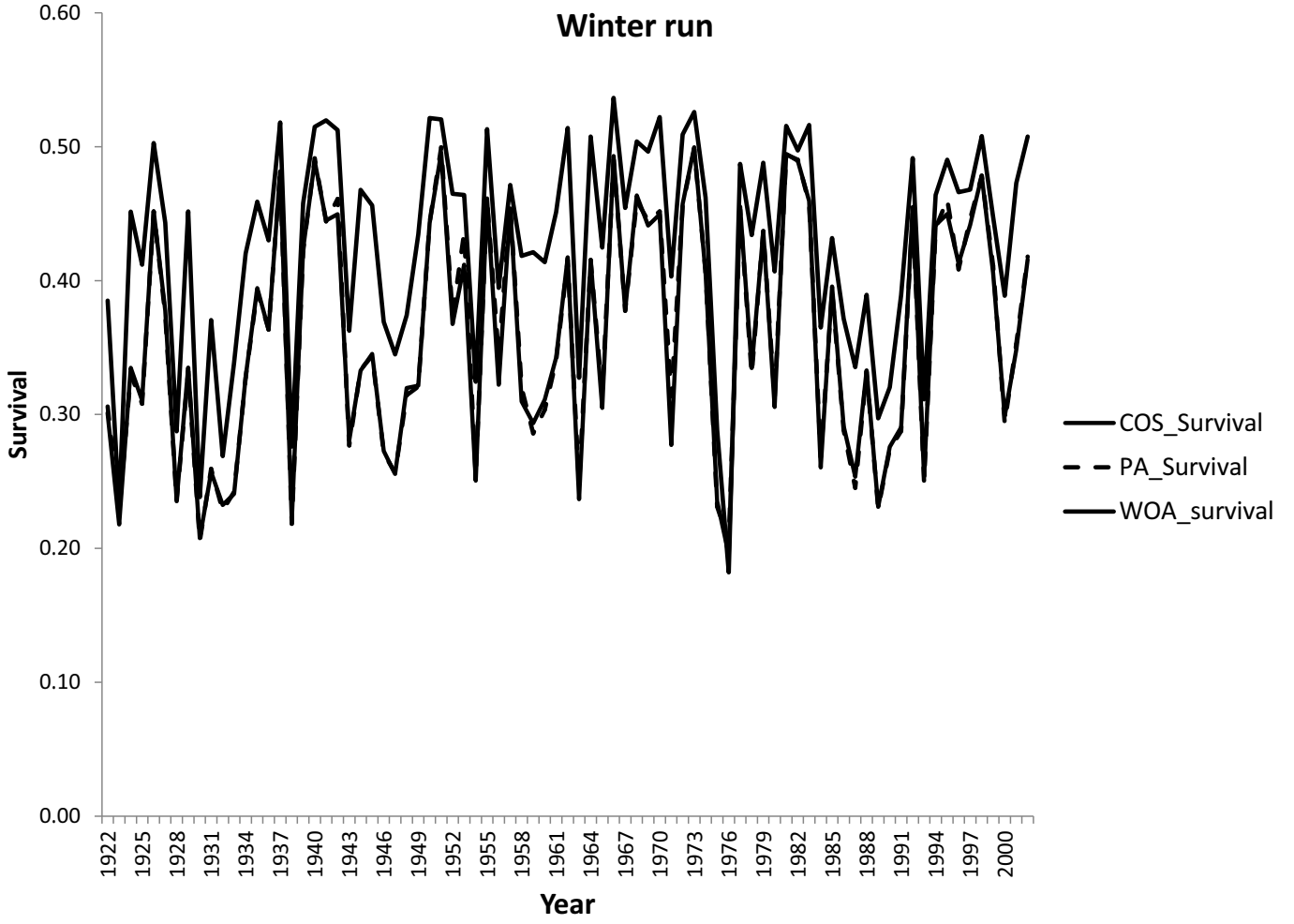


Winter run



| Year | Type | COS_Survival | COS_2.5th percentile | COS_97.5th percentile |
|------|------|--------------|----------------------|-----------------------|
| 1922 | AN | 0.301116713 | 0.286917926 | 0.315896097 |
| 1923 | BN | 0.217909807 | 0.202480548 | 0.231816294 |
| 1924 | C | 0.334814876 | 0.321869545 | 0.350858037 |
| 1925 | D | 0.31065617 | 0.295322637 | 0.323801526 |
| 1926 | D | 0.451789108 | 0.437180483 | 0.465142862 |
| 1927 | W | 0.377597718 | 0.364177272 | 0.395355445 |
| 1928 | AN | 0.236012688 | 0.218057217 | 0.247285841 |
| 1929 | C | 0.334965247 | 0.316146779 | 0.354827356 |
| 1930 | D | 0.207706363 | 0.193494619 | 0.22597632 |
| 1931 | C | 0.256935855 | 0.237787754 | 0.276067261 |
| 1932 | D | 0.232387541 | 0.212760282 | 0.248860113 |
| 1933 | C | 0.240676056 | 0.226484455 | 0.255585593 |
| 1934 | C | 0.328090823 | 0.309811531 | 0.34043102 |
| 1935 | BN | 0.394392293 | 0.379932126 | 0.412434724 |
| 1936 | BN | 0.363460706 | 0.344965123 | 0.376409584 |
| 1937 | BN | 0.481595178 | 0.464142647 | 0.496967384 |
| 1938 | W | 0.220683755 | 0.202363552 | 0.240571076 |
| 1939 | D | 0.423624714 | 0.406738561 | 0.441047373 |
| 1940 | AN | 0.489191851 | 0.476066944 | 0.504773447 |
| 1941 | W | 0.444839431 | 0.427386215 | 0.461745924 |
| 1942 | W | 0.449510565 | 0.432781571 | 0.464136882 |
| 1943 | W | 0.280693594 | 0.265694301 | 0.296327379 |
| 1944 | D | 0.332820197 | 0.319025485 | 0.345463814 |
| 1945 | BN | 0.345256251 | 0.331265657 | 0.361718623 |
| 1946 | BN | 0.272825235 | 0.261024594 | 0.28908926 |
| 1947 | D | 0.255528192 | 0.239766635 | 0.270002179 |
| 1948 | BN | 0.319811747 | 0.303043677 | 0.335038729 |
| 1949 | D | 0.321509253 | 0.308808517 | 0.337029664 |
| 1950 | BN | 0.442944983 | 0.429848497 | 0.460040419 |
| 1951 | AN | 0.495484588 | 0.482874425 | 0.51222409 |
| 1952 | W | 0.367552897 | 0.353285176 | 0.381591865 |
| 1953 | W | 0.411826141 | 0.39482526 | 0.426987879 |
| 1954 | AN | 0.250541438 | 0.234840211 | 0.264300127 |
| 1955 | D | 0.461332601 | 0.446604377 | 0.477683851 |
| 1956 | W | 0.322312163 | 0.309640306 | 0.341605547 |
| 1957 | AN | 0.453922985 | 0.439996478 | 0.471103242 |
| 1958 | W | 0.30976424 | 0.295460966 | 0.327773559 |
| 1959 | BN | 0.293456678 | 0.27383565 | 0.308837344 |
| 1960 | D | 0.311078492 | 0.297512627 | 0.324142741 |
| 1961 | D | 0.342411036 | 0.328411536 | 0.357986318 |
| 1962 | BN | 0.417338252 | 0.397016329 | 0.434905267 |
| 1963 | W | 0.236808455 | 0.220868173 | 0.253834581 |
| 1964 | D | 0.415463926 | 0.401448479 | 0.425044619 |
| 1965 | W | 0.304976116 | 0.291057526 | 0.318605824 |
| 1966 | BN | 0.492947556 | 0.478259292 | 0.508718443 |

| | | | | |
|------|----|-------------|-------------|--------------|
| 1967 | W | 0.378060403 | 0.362800844 | 0.391573699 |
| 1968 | BN | 0.463597461 | 0.445974675 | 0.477230367 |
| 1969 | W | 0.441062341 | 0.426958889 | 0.458878079 |
| 1970 | W | 0.449404048 | 0.436908635 | 0.466652597 |
| 1971 | W | 0.277205799 | 0.261492915 | 0.292893653 |
| 1972 | BN | 0.457259438 | 0.441632214 | 0.472474834 |
| 1973 | AN | 0.499567469 | 0.487989695 | 0.513565874 |
| 1974 | W | 0.405582209 | 0.387866722 | 0.424917625 |
| 1975 | W | 0.235152125 | 0.217353074 | 0.250051186 |
| 1976 | C | 0.195318131 | 0.180938583 | 0.212631479 |
| 1977 | C | 0.455234488 | 0.436273444 | 0.47419644 |
| 1978 | AN | 0.334770868 | 0.317875083 | 0.353544363 |
| 1979 | BN | 0.436860935 | 0.420920615 | 0.454486996 |
| 1980 | AN | 0.305589696 | 0.294543575 | 0.319929677 |
| 1981 | D | 0.494516381 | 0.472897767 | 0.511196327 |
| 1982 | W | 0.489336359 | 0.473024444 | 0.506514591 |
| 1983 | W | 0.459520402 | 0.444302168 | 0.475674205 |
| 1984 | W | 0.260427339 | 0.244164027 | 0.274679089 |
| 1985 | D | 0.395679801 | 0.380513567 | 0.407545355 |
| 1986 | W | 0.291336321 | 0.277211702 | 0.307179163 |
| 1987 | D | 0.253568946 | 0.237878481 | 0.269628266 |
| 1988 | C | 0.332902694 | 0.317478064 | 0.349782424 |
| 1989 | D | 0.231108726 | 0.217165564 | 0.246642813 |
| 1990 | C | 0.275912156 | 0.261680202 | 0.290077007 |
| 1991 | C | 0.290405532 | 0.273171566 | 0.303971206 |
| 1992 | C | 0.455017061 | 0.43979 | 0.471036157 |
| 1993 | AN | 0.253608368 | 0.235789942 | 0.266111213 |
| 1994 | C | 0.441443386 | 0.424933727 | 0.453985398 |
| 1995 | W | 0.449777897 | 0.432411735 | 0.466889678 |
| 1996 | W | 0.412829045 | 0.394046263 | 0.423592487 |
| 1997 | W | 0.441649642 | 0.425966451 | 0.453756034 |
| 1998 | W | 0.478225362 | 0.458899797 | 0.495519686 |
| 1999 | W | 0.405696838 | 0.388874015 | 0.420258567 |
| 2000 | AN | 0.298704873 | 0.282267255 | 0.313076943 |
| 2001 | D | 0.348355098 | 0.333873351 | 0.367471437 |
| 2002 | D | 0.415740461 | 0.4008114 | 0.4344446846 |

Average 0.35885176 0.343184721 0.37447046

Median 0.345256251 0.331265657 0.361718623

Difference -0.001335352

| PA_Survival | PA_2.5th percentile | PA_97.5th percentile | WOA_survival |
|-------------|---------------------|----------------------|--------------|
| 0.305969808 | 0.291940735 | 0.320363852 | 0.385056905 |
| 0.226992804 | 0.212510093 | 0.240196166 | 0.230928547 |
| 0.330014895 | 0.317118038 | 0.345734309 | 0.45147417 |
| 0.308104551 | 0.292680275 | 0.321419774 | 0.41182876 |
| 0.451536056 | 0.436939844 | 0.465037702 | 0.502748103 |
| 0.37431249 | 0.361003569 | 0.392175762 | 0.443176828 |
| 0.234905484 | 0.217289143 | 0.246073312 | 0.28750901 |
| 0.33233595 | 0.313795289 | 0.351997228 | 0.451708699 |
| 0.205387201 | 0.191245306 | 0.222944444 | 0.238325887 |
| 0.259444389 | 0.239919981 | 0.278785357 | 0.370566632 |
| 0.228252806 | 0.20935286 | 0.243929692 | 0.268972836 |
| 0.242310763 | 0.228194387 | 0.257340515 | 0.338587193 |
| 0.327624538 | 0.310295147 | 0.340289123 | 0.420276487 |
| 0.392295248 | 0.377859709 | 0.410307053 | 0.45893658 |
| 0.363452091 | 0.344705066 | 0.376335555 | 0.430091132 |
| 0.481799129 | 0.464213251 | 0.497135527 | 0.518101502 |
| 0.218383507 | 0.200367264 | 0.239558916 | 0.276060804 |
| 0.421867658 | 0.405044666 | 0.439032556 | 0.457713408 |
| 0.491199923 | 0.478319269 | 0.507268956 | 0.514831789 |
| 0.444140431 | 0.426426986 | 0.461168082 | 0.519626231 |
| 0.460998827 | 0.444788149 | 0.475339293 | 0.512480603 |
| 0.276895968 | 0.261921844 | 0.293259232 | 0.3624779 |
| 0.333446943 | 0.319460252 | 0.346565285 | 0.467737097 |
| 0.343920899 | 0.329892226 | 0.360458879 | 0.456095382 |
| 0.271270422 | 0.259283043 | 0.287280987 | 0.369134817 |
| 0.256379573 | 0.241758588 | 0.270364892 | 0.344926754 |
| 0.314523401 | 0.298262188 | 0.32964769 | 0.374099163 |
| 0.320790048 | 0.308030277 | 0.336490448 | 0.434336208 |
| 0.443544576 | 0.430396882 | 0.460506214 | 0.52131078 |
| 0.499503287 | 0.4857585 | 0.516878626 | 0.52028356 |
| 0.374554438 | 0.360047756 | 0.389179334 | 0.464730409 |
| 0.43580923 | 0.417987204 | 0.450516194 | 0.463988666 |
| 0.254029977 | 0.238663261 | 0.268026902 | 0.324528484 |
| 0.460037774 | 0.445512822 | 0.476342407 | 0.513149153 |
| 0.343772253 | 0.330548567 | 0.36299888 | 0.394487923 |
| 0.45604193 | 0.442259909 | 0.473705067 | 0.471412708 |
| 0.319905881 | 0.30372729 | 0.339557676 | 0.418384804 |
| 0.285846157 | 0.265789364 | 0.301130395 | 0.421232844 |
| 0.303501702 | 0.290073749 | 0.316743362 | 0.413734808 |
| 0.340094383 | 0.326023108 | 0.35592678 | 0.451080128 |
| 0.415379215 | 0.394921164 | 0.432867691 | 0.513871341 |
| 0.247562019 | 0.231025111 | 0.264968985 | 0.327400592 |
| 0.41528793 | 0.401255931 | 0.42496575 | 0.507508353 |
| 0.314585322 | 0.300815357 | 0.328743134 | 0.424747757 |
| 0.490329718 | 0.475504328 | 0.506164008 | 0.536450367 |

| | | | |
|-------------|-------------|-------------|-------------|
| 0.377480383 | 0.362362048 | 0.391213843 | 0.454233245 |
| 0.459596906 | 0.442278469 | 0.473507391 | 0.503913691 |
| 0.444700126 | 0.43029118 | 0.462535077 | 0.496370305 |
| 0.451692051 | 0.43890212 | 0.469647524 | 0.522078442 |
| 0.313631659 | 0.299488884 | 0.329183292 | 0.403047908 |
| 0.456153691 | 0.440741396 | 0.471214356 | 0.50902138 |
| 0.498076194 | 0.486483 | 0.511924091 | 0.52595134 |
| 0.406500772 | 0.387830225 | 0.426126611 | 0.462085859 |
| 0.231140181 | 0.21293008 | 0.246268934 | 0.288415573 |
| 0.205069726 | 0.193042776 | 0.220808898 | 0.182144994 |
| 0.452971507 | 0.43423389 | 0.471878357 | 0.487109765 |
| 0.329884229 | 0.312791198 | 0.347114399 | 0.433942963 |
| 0.436949401 | 0.420896168 | 0.454521838 | 0.48796518 |
| 0.312238169 | 0.300040248 | 0.325752734 | 0.406908416 |
| 0.494311775 | 0.472645758 | 0.510900766 | 0.515490928 |
| 0.490240006 | 0.473910512 | 0.507441199 | 0.497248967 |
| 0.457462924 | 0.442387052 | 0.473507199 | 0.516132473 |
| 0.26826986 | 0.25191641 | 0.282614024 | 0.364944031 |
| 0.392721553 | 0.377486612 | 0.404667881 | 0.431764451 |
| 0.288242395 | 0.27447899 | 0.30440103 | 0.371569495 |
| 0.245248203 | 0.230909814 | 0.261017068 | 0.335367054 |
| 0.331858561 | 0.317721495 | 0.349369155 | 0.38940283 |
| 0.229909062 | 0.216194155 | 0.245464605 | 0.297214609 |
| 0.273972426 | 0.26029103 | 0.287674823 | 0.320363315 |
| 0.287683981 | 0.270774589 | 0.300913106 | 0.389176178 |
| 0.452367875 | 0.437081493 | 0.468365307 | 0.491499487 |
| 0.249660625 | 0.232112458 | 0.261655794 | 0.31130862 |
| 0.4391536 | 0.42255272 | 0.45201755 | 0.464010163 |
| 0.460552541 | 0.442731498 | 0.477958579 | 0.490212668 |
| 0.408318919 | 0.389079855 | 0.419293146 | 0.466092405 |
| 0.446076632 | 0.430182528 | 0.458569749 | 0.467995077 |
| 0.478294924 | 0.459214239 | 0.495266932 | 0.507829928 |
| 0.41093997 | 0.394360957 | 0.424944763 | 0.447541694 |
| 0.293689764 | 0.27767919 | 0.307941075 | 0.388755899 |
| 0.352710005 | 0.33823411 | 0.3716539 | 0.472759634 |
| 0.417913799 | 0.402961615 | 0.436641864 | 0.50762453 |
| 0.360049704 | 0.344446253 | 0.375675294 | |
| 0.343920899 | 0.330548567 | 0.36299888 | |

| WOA 2.5th percentile | WOA_97.5th percentile | All WY | PA-COS | % Change |
|----------------------|-----------------------|--------|--------------|----------|
| 0.367761497 | 0.401048772 | | 0.004853095 | 1.61% |
| 0.214247938 | 0.24906524 | | 0.009082997 | 4.17% |
| 0.436685489 | 0.468028899 | | -0.00479998 | -1.43% |
| 0.396194899 | 0.425511947 | | -0.002551619 | -0.82% |
| 0.487395072 | 0.518798211 | | -0.000253052 | -0.06% |
| 0.428623135 | 0.463182168 | | -0.003285229 | -0.87% |
| 0.272589457 | 0.301327495 | | -0.001107204 | -0.47% |
| 0.429828557 | 0.472163047 | | -0.002629297 | -0.78% |
| 0.223832883 | 0.256273514 | | -0.002319162 | -1.12% |
| 0.349340485 | 0.388256493 | | 0.002508533 | 0.98% |
| 0.247415689 | 0.285681817 | | -0.004134736 | -1.78% |
| 0.322717623 | 0.354761337 | | 0.001634708 | 0.68% |
| 0.401531211 | 0.434359014 | | -0.000466285 | -0.14% |
| 0.439922693 | 0.481210415 | | -0.002097044 | -0.53% |
| 0.41358007 | 0.44288573 | | -8.61541E-06 | 0.00% |
| 0.497734721 | 0.535836631 | | 0.000203951 | 0.04% |
| 0.257832637 | 0.297360817 | | -0.002300248 | -1.04% |
| 0.437488076 | 0.477324909 | | -0.001757056 | -0.41% |
| 0.500775073 | 0.531523594 | | 0.002008072 | 0.41% |
| 0.499161449 | 0.538060999 | | -0.000699 | -0.16% |
| 0.494344245 | 0.52932972 | | 0.011488262 | 2.56% |
| 0.348120607 | 0.38105092 | | -0.003797626 | -1.35% |
| 0.452668457 | 0.481324095 | | 0.000626745 | 0.19% |
| 0.441080038 | 0.475298405 | | -0.001335352 | -0.39% |
| 0.356045659 | 0.388273813 | | -0.001554813 | -0.57% |
| 0.330596857 | 0.359641433 | | 0.000851381 | 0.33% |
| 0.355233157 | 0.390097283 | | -0.005288347 | -1.65% |
| 0.418793912 | 0.454123987 | | -0.000719205 | -0.22% |
| 0.504474801 | 0.542029893 | | 0.000599594 | 0.14% |
| 0.506681672 | 0.537226257 | | 0.004018699 | 0.81% |
| 0.447852074 | 0.480232623 | | 0.007001541 | 1.90% |
| 0.444126388 | 0.480160235 | | 0.023983089 | 5.82% |
| 0.309087664 | 0.340051576 | | 0.003488539 | 1.39% |
| 0.49499484 | 0.529500169 | | -0.001294827 | -0.28% |
| 0.381012985 | 0.416502008 | | 0.021460091 | 6.66% |
| 0.456518693 | 0.490594992 | | 0.002118944 | 0.47% |
| 0.398729371 | 0.436713147 | | 0.010141641 | 3.27% |
| 0.401689285 | 0.438893731 | | -0.007610521 | -2.59% |
| 0.395999941 | 0.428235923 | | -0.00757679 | -2.44% |
| 0.434547906 | 0.46819429 | | -0.002316652 | -0.68% |
| 0.492803578 | 0.533340248 | | -0.001959037 | -0.47% |
| 0.309955387 | 0.343499622 | | 0.010753564 | 4.54% |
| 0.491057716 | 0.518540245 | | -0.000175997 | -0.04% |
| 0.409236099 | 0.441157807 | | 0.009609206 | 3.15% |
| 0.520196009 | 0.55347504 | | -0.002617837 | -0.53% |

| | | | |
|-------------|-------------|--------------|--------|
| 0.436884731 | 0.470108329 | -0.00058002 | -0.15% |
| 0.482879978 | 0.518553472 | -0.004000555 | -0.86% |
| 0.48104338 | 0.5143444 | 0.003637784 | 0.82% |
| 0.506880763 | 0.542916605 | 0.002288004 | 0.51% |
| 0.387331857 | 0.419474977 | 0.03642586 | 13.14% |
| 0.493965751 | 0.524030247 | -0.001105746 | -0.24% |
| 0.512676349 | 0.541144606 | -0.001491275 | -0.30% |
| 0.4401391 | 0.484045783 | 0.000918563 | 0.23% |
| 0.270206532 | 0.30546108 | -0.004011945 | -1.71% |
| 0.169054899 | 0.196923269 | 0.009751595 | 4.99% |
| 0.46836672 | 0.507697505 | -0.002262981 | -0.50% |
| 0.416377312 | 0.450680345 | -0.004886639 | -1.46% |
| 0.4696145 | 0.508324051 | 8.8466E-05 | 0.02% |
| 0.392591675 | 0.422861925 | 0.006648473 | 2.18% |
| 0.491177669 | 0.533486664 | -0.000204606 | -0.04% |
| 0.47978494 | 0.516200286 | 0.000903648 | 0.18% |
| 0.498540309 | 0.533283386 | -0.002057478 | -0.45% |
| 0.348436354 | 0.379147902 | 0.007842521 | 3.01% |
| 0.417269668 | 0.444902898 | -0.002958248 | -0.75% |
| 0.355535819 | 0.390249623 | -0.003093927 | -1.06% |
| 0.319543219 | 0.355719037 | -0.008320743 | -3.28% |
| 0.373013841 | 0.408358224 | -0.001044133 | -0.31% |
| 0.283426379 | 0.314396214 | -0.001199664 | -0.52% |
| 0.305122526 | 0.333781959 | -0.00193973 | -0.70% |
| 0.368837877 | 0.403276889 | -0.002721551 | -0.94% |
| 0.474326468 | 0.510350615 | -0.002649187 | -0.58% |
| 0.293956925 | 0.32781153 | -0.003947743 | -1.56% |
| 0.444436219 | 0.476656273 | -0.002289786 | -0.52% |
| 0.472849788 | 0.510315001 | 0.010774644 | 2.40% |
| 0.447845909 | 0.480700739 | -0.004510126 | -1.09% |
| 0.452513658 | 0.481179862 | 0.00442699 | 1.00% |
| 0.487280671 | 0.524230236 | 6.95624E-05 | 0.01% |
| 0.429799348 | 0.462693591 | 0.005243132 | 1.29% |
| 0.370391847 | 0.402599046 | -0.005015109 | -1.68% |
| 0.457464394 | 0.489248633 | 0.004354907 | 1.25% |
| 0.490850957 | 0.527577329 | 0.002173338 | 0.52% |

All --Difference

| <i>Column1</i> | | <i>Column2</i> | |
|-------------------------|--------------|-------------------------|----------|
| Mean | 0.001197943 | Mean | 0.003845 |
| Standard Error | 0.000766567 | Standard Error | 0.002551 |
| Median | -0.000699 | Median | -0.00157 |
| Mode | #N/A | Mode | #N/A |
| Standard Deviation | 0.0068991 | Standard Deviation | 0.022958 |
| Sample Variance | 4.75976E-05 | Sample Variance | 0.000527 |
| Kurtosis | 9.171183806 | Kurtosis | 11.71358 |
| Skewness | 2.533332218 | Skewness | 2.761173 |
| Range | 0.044746603 | Range | 0.164218 |
| Minimum | -0.008320743 | Minimum | -0.03281 |
| Maximum | 0.03642586 | Maximum | 0.131404 |
| Sum | 0.097033418 | Sum | 0.311477 |
| Count | 81 | Count | 81 |
| Largest(2) | 0.023983089 | Largest(2) | 0.066582 |
| Smallest(2) | -0.007610521 | Smallest(2) | -0.02593 |
| Confidence Level(95.0%) | 0.001525516 | Confidence Level(95.0%) | 0.005076 |

COS

| <i>Column1</i> | |
|-------------------------|--------------|
| Mean | 0.35885176 |
| Standard Error | 0.009803852 |
| Median | 0.345256251 |
| Mode | #N/A |
| Standard Deviation | 0.088234664 |
| Sample Variance | 0.007785356 |
| Kurtosis | -1.307064642 |
| Skewness | -0.052357785 |
| Range | 0.304249338 |
| Minimum | 0.195318131 |
| Maximum | 0.499567469 |
| Sum | 29.06699257 |
| Count | 81 |
| Largest(2) | 0.495484588 |
| Smallest(2) | 0.207706363 |
| Confidence Level(95.0%) | 0.019510286 |

PA

| <i>Column1</i> | |
|----------------|-------------|
| Mean | 0.360049704 |

| | |
|--------------------------------|--------------------|
| Standard Error | 0.009798255 |
| Median | 0.343920899 |
| Mode | #N/A |
| Standard Deviation | 0.088184291 |
| Sample Variance | 0.007776469 |
| Kurtosis | -1.318320033 |
| Skewness | -0.056417974 |
| Range | 0.294433561 |
| Minimum | 0.205069726 |
| Maximum | 0.499503287 |
| Sum | 29.16402599 |
| Count | 81 |
| Largest(2) | 0.498076194 |
| Smallest(2) | 0.205387201 |
| <u>Confidence Level(95.0%)</u> | <u>0.019499148</u> |

| Year | Type | COS_Survival | COS_2.5th percentile |
|------|------|--------------|----------------------|
| 1922 | AN | 0.301116713 | 0.286917926 |
| 1928 | AN | 0.236012688 | 0.218057217 |
| 1940 | AN | 0.489191851 | 0.476066944 |
| 1951 | AN | 0.495484588 | 0.482874425 |
| 1954 | AN | 0.250541438 | 0.234840211 |
| 1957 | AN | 0.453922985 | 0.439996478 |
| 1973 | AN | 0.499567469 | 0.487989695 |
| 1978 | AN | 0.334770868 | 0.317875083 |
| 1980 | AN | 0.305589696 | 0.294543575 |
| 1993 | AN | 0.253608368 | 0.235789942 |
| 2000 | AN | 0.298704873 | 0.282267255 |
| 1923 | BN | 0.217909807 | 0.202480548 |
| 1935 | BN | 0.394392293 | 0.379932126 |
| 1936 | BN | 0.363460706 | 0.344965123 |
| 1937 | BN | 0.481595178 | 0.464142647 |
| 1945 | BN | 0.345256251 | 0.331265657 |
| 1946 | BN | 0.272825235 | 0.261024594 |
| 1948 | BN | 0.319811747 | 0.303043677 |
| 1950 | BN | 0.442944983 | 0.429848497 |
| 1959 | BN | 0.293456678 | 0.27383565 |
| 1962 | BN | 0.417338252 | 0.397016329 |
| 1966 | BN | 0.492947556 | 0.478259292 |
| 1968 | BN | 0.463597461 | 0.445974675 |
| 1972 | BN | 0.457259438 | 0.441632214 |
| 1979 | BN | 0.436860935 | 0.420920615 |
| 1924 | C | 0.334814876 | 0.321869545 |
| 1929 | C | 0.334965247 | 0.316146779 |
| 1931 | C | 0.256935855 | 0.237787754 |
| 1933 | C | 0.240676056 | 0.226484455 |
| 1934 | C | 0.328090823 | 0.309811531 |
| 1976 | C | 0.195318131 | 0.180938583 |
| 1977 | C | 0.455234488 | 0.436273444 |
| 1988 | C | 0.332902694 | 0.317478064 |
| 1990 | C | 0.275912156 | 0.261680202 |
| 1991 | C | 0.290405532 | 0.273171566 |
| 1992 | C | 0.455017061 | 0.43979 |
| 1994 | C | 0.441443386 | 0.424933727 |
| 1925 | D | 0.31065617 | 0.295322637 |
| 1926 | D | 0.451789108 | 0.437180483 |
| 1930 | D | 0.207706363 | 0.193494619 |
| 1932 | D | 0.232387541 | 0.212760282 |
| 1939 | D | 0.423624714 | 0.406738561 |
| 1944 | D | 0.332820197 | 0.319025485 |
| 1947 | D | 0.255528192 | 0.239766635 |
| 1949 | D | 0.321509253 | 0.308808517 |

| | | |
|--------|-------------|-------------|
| 1955 D | 0.461332601 | 0.446604377 |
| 1960 D | 0.311078492 | 0.297512627 |
| 1961 D | 0.342411036 | 0.328411536 |
| 1964 D | 0.415463926 | 0.401448479 |
| 1981 D | 0.494516381 | 0.472897767 |
| 1985 D | 0.395679801 | 0.380513567 |
| 1987 D | 0.253568946 | 0.237878481 |
| 1989 D | 0.231108726 | 0.217165564 |
| 2001 D | 0.348355098 | 0.333873351 |
| 2002 D | 0.415740461 | 0.4008114 |
| 1927 W | 0.377597718 | 0.364177272 |
| 1938 W | 0.220683755 | 0.202363552 |
| 1941 W | 0.444839431 | 0.427386215 |
| 1942 W | 0.449510565 | 0.432781571 |
| 1943 W | 0.280693594 | 0.265694301 |
| 1952 W | 0.367552897 | 0.353285176 |
| 1953 W | 0.411826141 | 0.39482526 |
| 1956 W | 0.322312163 | 0.309640306 |
| 1958 W | 0.30976424 | 0.295460966 |
| 1963 W | 0.236808455 | 0.220868173 |
| 1965 W | 0.304976116 | 0.291057526 |
| 1967 W | 0.378060403 | 0.362800844 |
| 1969 W | 0.441062341 | 0.426958889 |
| 1970 W | 0.449404048 | 0.436908635 |
| 1971 W | 0.277205799 | 0.261492915 |
| 1974 W | 0.405582209 | 0.387866722 |
| 1975 W | 0.235152125 | 0.217353074 |
| 1982 W | 0.489336359 | 0.473024444 |
| 1983 W | 0.459520402 | 0.444302168 |
| 1984 W | 0.260427339 | 0.244164027 |
| 1986 W | 0.291336321 | 0.277211702 |
| 1995 W | 0.449777897 | 0.432411735 |
| 1996 W | 0.412829045 | 0.394046263 |
| 1997 W | 0.441649642 | 0.425966451 |
| 1998 W | 0.478225362 | 0.458899797 |
| 1999 W | 0.405696838 | 0.388874015 |

THIS CONTENT IS UNAVAILABLE

Editing this shape or
permanently break th

| COS_97.5th percentile | PA_Survival | PA_2.5th percentile | PA_97.5th percentile |
|-----------------------|-------------|---------------------|----------------------|
| 0.315896097 | 0.30596981 | 0.291940735 | 0.320363852 |
| 0.247285841 | 0.23490548 | 0.217289143 | 0.246073312 |
| 0.504773447 | 0.49119992 | 0.478319269 | 0.507268956 |
| 0.51222409 | 0.49950329 | 0.4857585 | 0.516878626 |
| 0.264300127 | 0.25402998 | 0.238663261 | 0.268026902 |
| 0.471103242 | 0.45604193 | 0.442259909 | 0.473705067 |
| 0.513565874 | 0.49807619 | 0.486483 | 0.511924091 |
| 0.353544363 | 0.32988423 | 0.312791198 | 0.347114399 |
| 0.319929677 | 0.31223817 | 0.300040248 | 0.325752734 |
| 0.266111213 | 0.24966062 | 0.232112458 | 0.261655794 |
| 0.313076943 | 0.29368976 | 0.27767919 | 0.307941075 |
| 0.231816294 | 0.2269928 | 0.212510093 | 0.240196166 |
| 0.412434724 | 0.39229525 | 0.377859709 | 0.410307053 |
| 0.376409584 | 0.36345209 | 0.344705066 | 0.376335555 |
| 0.496967384 | 0.48179913 | 0.464213251 | 0.497135527 |
| 0.361718623 | 0.3439209 | 0.329892226 | 0.360458879 |
| 0.28908926 | 0.27127042 | 0.259283043 | 0.287280987 |
| 0.335038729 | 0.3145234 | 0.298262188 | 0.32964769 |
| 0.460040419 | 0.44354458 | 0.430396882 | 0.460506214 |
| 0.308837344 | 0.28584616 | 0.265789364 | 0.301130395 |
| 0.434905267 | 0.41537922 | 0.394921164 | 0.432867691 |
| 0.508718443 | 0.49032972 | 0.475504328 | 0.506164008 |
| 0.477230367 | 0.45959691 | 0.442278469 | 0.473507391 |
| 0.472474834 | 0.45615369 | 0.440741396 | 0.471214356 |
| 0.454486996 | 0.4369494 | 0.420896168 | 0.454521838 |
| 0.350858037 | 0.3300149 | 0.317118038 | 0.345734309 |
| 0.354827356 | 0.33233595 | 0.313795289 | 0.351997228 |
| 0.276067261 | 0.25944439 | 0.239919981 | 0.278785357 |
| 0.255585593 | 0.24231076 | 0.228194387 | 0.257340515 |
| 0.34043102 | 0.32762454 | 0.310295147 | 0.340289123 |
| 0.212631479 | 0.20506973 | 0.193042776 | 0.220808898 |
| 0.47419644 | 0.45297151 | 0.43423389 | 0.471878357 |
| 0.349782424 | 0.33185856 | 0.317721495 | 0.349369155 |
| 0.290077007 | 0.27397243 | 0.26029103 | 0.287674823 |
| 0.303971206 | 0.28768398 | 0.270774589 | 0.300913106 |
| 0.471036157 | 0.45236787 | 0.437081493 | 0.468365307 |
| 0.453985398 | 0.4391536 | 0.42255272 | 0.45201755 |
| 0.323801526 | 0.30810455 | 0.292680275 | 0.321419774 |
| 0.465142862 | 0.45153606 | 0.436939844 | 0.465037702 |
| 0.22597632 | 0.2053872 | 0.191245306 | 0.222944444 |
| 0.248860113 | 0.22825281 | 0.20935286 | 0.243929692 |
| 0.441047373 | 0.42186766 | 0.405044666 | 0.439032556 |
| 0.345463814 | 0.33344694 | 0.319460252 | 0.346565285 |
| 0.270002179 | 0.25637957 | 0.241758588 | 0.270364892 |
| 0.337029664 | 0.32079005 | 0.308030277 | 0.336490448 |

| | | | |
|-------------|------------|-------------|-------------|
| 0.477683851 | 0.46003777 | 0.445512822 | 0.476342407 |
| 0.324142741 | 0.3035017 | 0.290073749 | 0.316743362 |
| 0.357986318 | 0.34009438 | 0.326023108 | 0.35592678 |
| 0.425044619 | 0.41528793 | 0.401255931 | 0.42496575 |
| 0.511196327 | 0.49431178 | 0.472645758 | 0.510900766 |
| 0.407545355 | 0.39272155 | 0.377486612 | 0.404667881 |
| 0.269628266 | 0.2452482 | 0.230909814 | 0.261017068 |
| 0.246642813 | 0.22990906 | 0.216194155 | 0.245464605 |
| 0.367471437 | 0.35271001 | 0.33823411 | 0.3716539 |
| 0.434446846 | 0.4179138 | 0.402961615 | 0.436641864 |
| 0.395355445 | 0.37431249 | 0.361003569 | 0.392175762 |
| 0.240571076 | 0.21838351 | 0.200367264 | 0.239558916 |
| 0.461745924 | 0.44414043 | 0.426426986 | 0.461168082 |
| 0.464136882 | 0.46099883 | 0.444788149 | 0.475339293 |
| 0.296327379 | 0.27689597 | 0.261921844 | 0.293259232 |
| 0.381591865 | 0.37455444 | 0.360047756 | 0.389179334 |
| 0.426987879 | 0.43580923 | 0.417987204 | 0.450516194 |
| 0.341605547 | 0.34377225 | 0.330548567 | 0.36299888 |
| 0.327773559 | 0.31990588 | 0.30372729 | 0.339557676 |
| 0.253834581 | 0.24756202 | 0.231025111 | 0.264968985 |
| 0.318605824 | 0.31458532 | 0.300815357 | 0.328743134 |
| 0.391573699 | 0.37748038 | 0.362362048 | 0.391213843 |
| 0.458878079 | 0.44470013 | 0.43029118 | 0.462535077 |
| 0.466652597 | 0.45169205 | 0.43890212 | 0.469647524 |
| 0.292893653 | 0.31363166 | 0.299488884 | 0.329183292 |
| 0.424917625 | 0.40650077 | 0.387830225 | 0.426126611 |
| 0.250051186 | 0.23114018 | 0.21293008 | 0.246268934 |
| 0.506514591 | 0.49024001 | 0.473910512 | 0.507441199 |
| 0.475674205 | 0.45746292 | 0.442387052 | 0.473507199 |
| 0.274679089 | 0.26826986 | 0.25191641 | 0.282614024 |
| 0.307179163 | 0.28824239 | 0.27447899 | 0.30440103 |
| 0.466889678 | 0.46055254 | 0.442731498 | 0.477958579 |
| 0.423592487 | 0.40831892 | 0.389079855 | 0.419293146 |
| 0.453756034 | 0.44607663 | 0.430182528 | 0.458569749 |
| 0.495519686 | 0.47829492 | 0.459214239 | 0.495266932 |
| 0.420258567 | 0.41093997 | 0.394360957 | 0.424944763 |

Use in your version of Excel.

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re chart.

| PA-COS | % change |
|----------|----------|
| 0.004853 | 1.61% |
| -0.00111 | -0.47% |
| 0.002008 | 0.41% |
| 0.004019 | 0.81% |
| 0.003489 | 1.39% |
| 0.002119 | 0.47% |
| -0.00149 | -0.30% |
| -0.00489 | -1.46% |
| 0.006648 | 2.18% |
| -0.00395 | -1.56% |
| -0.00502 | -1.68% |
| 0.009083 | 4.17% |
| -0.0021 | -0.53% |
| -8.6E-06 | 0.00% |
| 0.000204 | 0.04% |
| -0.00134 | -0.39% |
| -0.00155 | -0.57% |
| -0.00529 | -1.65% |
| 0.0006 | 0.14% |
| -0.00761 | -2.59% |
| -0.00196 | -0.47% |
| -0.00262 | -0.53% |
| -0.004 | -0.86% |
| -0.00111 | -0.24% |
| 8.85E-05 | 0.02% |
| -0.0048 | -1.43% |
| -0.00263 | -0.78% |
| 0.002509 | 0.98% |
| 0.001635 | 0.68% |
| -0.00047 | -0.14% |
| 0.009752 | 4.99% |
| -0.00226 | -0.50% |
| -0.00104 | -0.31% |
| -0.00194 | -0.70% |
| -0.00272 | -0.94% |
| -0.00265 | -0.58% |
| -0.00229 | -0.52% |
| -0.00255 | -0.82% |
| -0.00025 | -0.06% |
| -0.00232 | -1.12% |
| -0.00413 | -1.78% |
| -0.00176 | -0.41% |
| 0.000627 | 0.19% |
| 0.000851 | 0.33% |
| -0.00072 | -0.22% |

| PA-COS | |
|----------------------------|----------|
| Wet | |
| <hr/> <i>Column1</i> <hr/> | |
| Mean | 0.005486 |
| Standard Error | 0.001921 |
| Median | 0.002963 |
| Mode | #N/A |
| Standard Deviation | 0.009795 |
| Sample Variance | 9.59E-05 |
| Kurtosis | 2.963563 |
| Skewness | 1.614478 |
| Range | 0.040936 |
| Minimum | -0.00451 |
| Maximum | 0.036426 |
| Sum | 0.142633 |
| Count | 26 |
| Largest(2) | 0.023983 |
| Smallest(2) | -0.00401 |
| Confidence Level(95.0%) | 0.003956 |

| Above Normal | |
|----------------------------|----------|
| <hr/> <i>Column1</i> <hr/> | |
| Mean | 0.000608 |
| Standard Error | 0.001238 |
| Median | 0.002008 |
| Mode | #N/A |
| Standard Deviation | 0.004106 |
| Sample Variance | 1.69E-05 |
| Kurtosis | -1.43232 |
| Skewness | -0.15159 |
| Range | 0.011664 |
| Minimum | -0.00502 |
| Maximum | 0.006648 |
| Sum | 0.006688 |
| Count | 11 |
| Largest(2) | 0.004853 |
| Smallest(2) | -0.00489 |
| Confidence Level(95.0%) | 0.002758 |

| Below Normal | |
|----------------------------|----------|
| <hr/> <i>Column1</i> <hr/> | |
| Mean | -0.00126 |
| Standard Error | 0.001003 |

-0.00129 -0.28%
 -0.00758 -2.44%
 -0.00232 -0.68%
 -0.00018 -0.04%
 -0.0002 -0.04%
 -0.00296 -0.75%
 -0.00832 -3.28%
 -0.0012 -0.52%
 0.004355 1.25%
 0.002173 0.52%
 -0.00329 -0.87%
 -0.0023 -1.04%
 -0.0007 -0.16%
 0.011488 2.56%
 -0.0038 -1.35%
 0.007002 1.90%
 0.023983 5.82%
 0.02146 6.66%
 0.010142 3.27%
 0.010754 4.54%
 0.009609 3.15%
 -0.00058 -0.15%
 0.003638 0.82%
 0.002288 0.51%
 0.036426 13.14%
 0.000919 0.23%
 -0.00401 -1.71%
 0.000904 0.18%
 -0.00206 -0.45%
 0.007843 3.01%
 -0.00309 -1.06%
 0.010775 2.40%
 -0.00451 -1.09%
 0.004427 1.00%
 6.96E-05 0.01%
 0.005243 1.29%

Median -0.00145
 Mode #N/A
 Standard Deviation 0.003754
 Sample Variance 1.41E-05
 Kurtosis 4.42361
 Skewness 1.312342
 Range 0.016694
 Minimum -0.00761
 Maximum 0.009083
 Sum -0.0176
 Count 14
 Largest(2) 0.0006
 Smallest(2) -0.00529
 Confidence Level(95.0%) 0.002167

Dry

Column1

Mean -0.00154
 Standard Error 0.00072
 Median -0.00125
 Mode #N/A
 Standard Deviation 0.003054
 Sample Variance 9.33E-06
 Kurtosis 1.159982
 Skewness -0.61581
 Range 0.012676
 Minimum -0.00832
 Maximum 0.004355
 Sum -0.02778
 Count 18
 Largest(2) 0.002173
 Smallest(2) -0.00758
 Confidence Level(95.0%) 0.001519

Critical

Column1

Mean -0.00058
 Standard Error 0.001101
 Median -0.0021
 Mode #N/A
 Standard Deviation 0.003813
 Sample Variance 1.45E-05
 Kurtosis 4.830432
 Skewness 2.020137

| | |
|-------------------------|----------|
| Range | 0.014552 |
| Minimum | -0.0048 |
| Maximum | 0.009752 |
| Sum | -0.00691 |
| Count | 12 |
| Largest(2) | 0.002509 |
| Smallest(2) | -0.00272 |
| Confidence Level(95.0%) | 0.002422 |

COS
Wet

Column1

| | |
|-------------------------|----------|
| Mean | 0.369301 |
| Standard Error | 0.016554 |
| Median | 0.391821 |
| Mode | #N/A |
| Standard Deviation | 0.084407 |
| Sample Variance | 0.007125 |
| Kurtosis | -1.29077 |
| Skewness | -0.3676 |
| Range | 0.268653 |
| Minimum | 0.220684 |
| Maximum | 0.489336 |
| Sum | 9.601831 |
| Count | 26 |
| Largest(2) | 0.478225 |
| Smallest(2) | 0.235152 |
| Confidence Level(95.0%) | 0.034093 |

Above Normal

Column1

| | |
|-------------------------|----------|
| Mean | 0.356228 |
| Standard Error | 0.032006 |
| Median | 0.30559 |
| Mode | #N/A |
| Standard Deviation | 0.106153 |
| Sample Variance | 0.011269 |
| Kurtosis | -1.75071 |
| Skewness | 0.452919 |
| Range | 0.263555 |
| Minimum | 0.236013 |
| Maximum | 0.499567 |
| Sum | 3.918512 |
| Count | 11 |
| Largest(2) | 0.495485 |
| Smallest(2) | 0.250541 |
| Confidence Level(95.0%) | 0.071315 |

Below Normal

Column1

| | |
|----------------|----------|
| Mean | 0.38569 |
| Standard Error | 0.022815 |

PA
Wet

Column1

| | |
|-------------------------|----------|
| Mean | 0.374787 |
| Standard Error | 0.016388 |
| Median | 0.391991 |
| Mode | #N/A |
| Standard Deviation | 0.083563 |
| Sample Variance | 0.006983 |
| Kurtosis | -1.12847 |
| Skewness | -0.44299 |
| Range | 0.271856 |
| Minimum | 0.218384 |
| Maximum | 0.49024 |
| Sum | 9.744464 |
| Count | 26 |
| Largest(2) | 0.478295 |
| Smallest(2) | 0.23114 |
| Confidence Level(95.0%) | 0.033752 |

Above Normal

Column1

| | |
|-------------------------|----------|
| Mean | 0.356836 |
| Standard Error | 0.032251 |
| Median | 0.312238 |
| Mode | #N/A |
| Standard Deviation | 0.106963 |
| Sample Variance | 0.011441 |
| Kurtosis | -1.74819 |
| Skewness | 0.449565 |
| Range | 0.264598 |
| Minimum | 0.234905 |
| Maximum | 0.499503 |
| Sum | 3.925199 |
| Count | 11 |
| Largest(2) | 0.498076 |
| Smallest(2) | 0.249661 |
| Confidence Level(95.0%) | 0.071859 |

Below Normal

Column1

| | |
|----------------|----------|
| Mean | 0.384432 |
| Standard Error | 0.02261 |

| | |
|-------------------------|----------|
| Median | 0.405865 |
| Mode | #N/A |
| Standard Deviation | 0.085365 |
| Sample Variance | 0.007287 |
| Kurtosis | -0.73559 |
| Skewness | -0.5769 |
| Range | 0.275038 |
| Minimum | 0.21791 |
| Maximum | 0.492948 |
| Sum | 5.399657 |
| Count | 14 |
| Largest(2) | 0.481595 |
| Smallest(2) | 0.272825 |
| Confidence Level(95.0%) | 0.049288 |

| | |
|-------------------------|----------|
| Median | 0.403837 |
| Mode | #N/A |
| Standard Deviation | 0.084599 |
| Sample Variance | 0.007157 |
| Kurtosis | -0.98736 |
| Skewness | -0.51009 |
| Range | 0.263337 |
| Minimum | 0.226993 |
| Maximum | 0.49033 |
| Sum | 5.382054 |
| Count | 14 |
| Largest(2) | 0.481799 |
| Smallest(2) | 0.27127 |
| Confidence Level(95.0%) | 0.048846 |

Dry

Column1

| | |
|-------------------------|----------|
| Mean | 0.344738 |
| Standard Error | 0.020606 |
| Median | 0.337616 |
| Mode | #N/A |
| Standard Deviation | 0.087423 |
| Sample Variance | 0.007643 |
| Kurtosis | -1.13084 |
| Skewness | 0.048413 |
| Range | 0.28681 |
| Minimum | 0.207706 |
| Maximum | 0.494516 |
| Sum | 6.205277 |
| Count | 18 |
| Largest(2) | 0.461333 |
| Smallest(2) | 0.231109 |
| Confidence Level(95.0%) | 0.043474 |

Dry

Column1

| | |
|-------------------------|----------|
| Mean | 0.343195 |
| Standard Error | 0.020873 |
| Median | 0.336771 |
| Mode | #N/A |
| Standard Deviation | 0.088557 |
| Sample Variance | 0.007842 |
| Kurtosis | -1.15761 |
| Skewness | 0.039794 |
| Range | 0.288925 |
| Minimum | 0.205387 |
| Maximum | 0.494312 |
| Sum | 6.177501 |
| Count | 18 |
| Largest(2) | 0.460038 |
| Smallest(2) | 0.228253 |
| Confidence Level(95.0%) | 0.044038 |

Critical

Column1

| | |
|--------------------|----------|
| Mean | 0.328476 |
| Standard Error | 0.024574 |
| Median | 0.330497 |
| Mode | #N/A |
| Standard Deviation | 0.085128 |
| Sample Variance | 0.007247 |
| Kurtosis | -0.77118 |
| Skewness | 0.336122 |

Critical

Column1

| | |
|--------------------|----------|
| Mean | 0.327901 |
| Standard Error | 0.023865 |
| Median | 0.32882 |
| Mode | #N/A |
| Standard Deviation | 0.08267 |
| Sample Variance | 0.006834 |
| Kurtosis | -0.82081 |
| Skewness | 0.432314 |

| | |
|-------------------------|----------|
| Range | 0.259916 |
| Minimum | 0.195318 |
| Maximum | 0.455234 |
| Sum | 3.941716 |
| Count | 12 |
| Largest(2) | 0.455017 |
| Smallest(2) | 0.240676 |
| Confidence Level(95.0%) | 0.054088 |

| | |
|-------------------------|----------|
| Range | 0.247902 |
| Minimum | 0.20507 |
| Maximum | 0.452972 |
| Sum | 3.934808 |
| Count | 12 |
| Largest(2) | 0.452368 |
| Smallest(2) | 0.242311 |
| Confidence Level(95.0%) | 0.052526 |

% Relative Change

Wet

Column1

| | |
|-------------------------|----------|
| Mean | 0.016395 |
| Standard Error | 0.006326 |
| Median | 0.006669 |
| Mode | #N/A |
| Standard Deviation | 0.032257 |
| Sample Variance | 0.00104 |
| Kurtosis | 5.525087 |
| Skewness | 2.045631 |
| Range | 0.148465 |
| Minimum | -0.01706 |
| Maximum | 0.131404 |
| Sum | 0.426257 |
| Count | 26 |
| Largest(2) | 0.066582 |
| Smallest(2) | -0.01353 |
| Confidence Level(95.0%) | 0.013029 |

Above Normal

Column1

| | |
|-------------------------|----------|
| Mean | 0.001277 |
| Standard Error | 0.004025 |
| Median | 0.004105 |
| Mode | #N/A |
| Standard Deviation | 0.013348 |
| Sample Variance | 0.000178 |
| Kurtosis | -1.25299 |
| Skewness | -0.03633 |
| Range | 0.038546 |
| Minimum | -0.01679 |
| Maximum | 0.021756 |
| Sum | 0.014052 |
| Count | 11 |
| Largest(2) | 0.016117 |
| Smallest(2) | -0.01557 |
| Confidence Level(95.0%) | 0.008967 |

Below Normal

Column1

| | |
|----------------|----------|
| Mean | -0.00248 |
| Standard Error | 0.003926 |

| | |
|-------------------------|----------|
| Median | -0.00428 |
| Mode | #N/A |
| Standard Deviation | 0.01469 |
| Sample Variance | 0.000216 |
| Kurtosis | 7.060401 |
| Skewness | 1.989291 |
| Range | 0.067616 |
| Minimum | -0.02593 |
| Maximum | 0.041682 |
| Sum | -0.03477 |
| Count | 14 |
| Largest(2) | 0.001354 |
| Smallest(2) | -0.01654 |
| Confidence Level(95.0%) | 0.008482 |

Dry

Column1

| | |
|-------------------------|----------|
| Mean | -0.00563 |
| Standard Error | 0.002534 |
| Median | -0.00348 |
| Mode | #N/A |
| Standard Deviation | 0.010751 |
| Sample Variance | 0.000116 |
| Kurtosis | 1.567502 |
| Skewness | -1.05238 |
| Range | 0.045316 |
| Minimum | -0.03281 |
| Maximum | 0.012501 |
| Sum | -0.10142 |
| Count | 18 |
| Largest(2) | 0.005228 |
| Smallest(2) | -0.02436 |
| Confidence Level(95.0%) | 0.005346 |

Critical

Column1

| | |
|--------------------|----------|
| Mean | 0.000613 |
| Standard Error | 0.004871 |
| Median | -0.00508 |
| Mode | #N/A |
| Standard Deviation | 0.016872 |
| Sample Variance | 0.000285 |
| Kurtosis | 7.623307 |
| Skewness | 2.608331 |

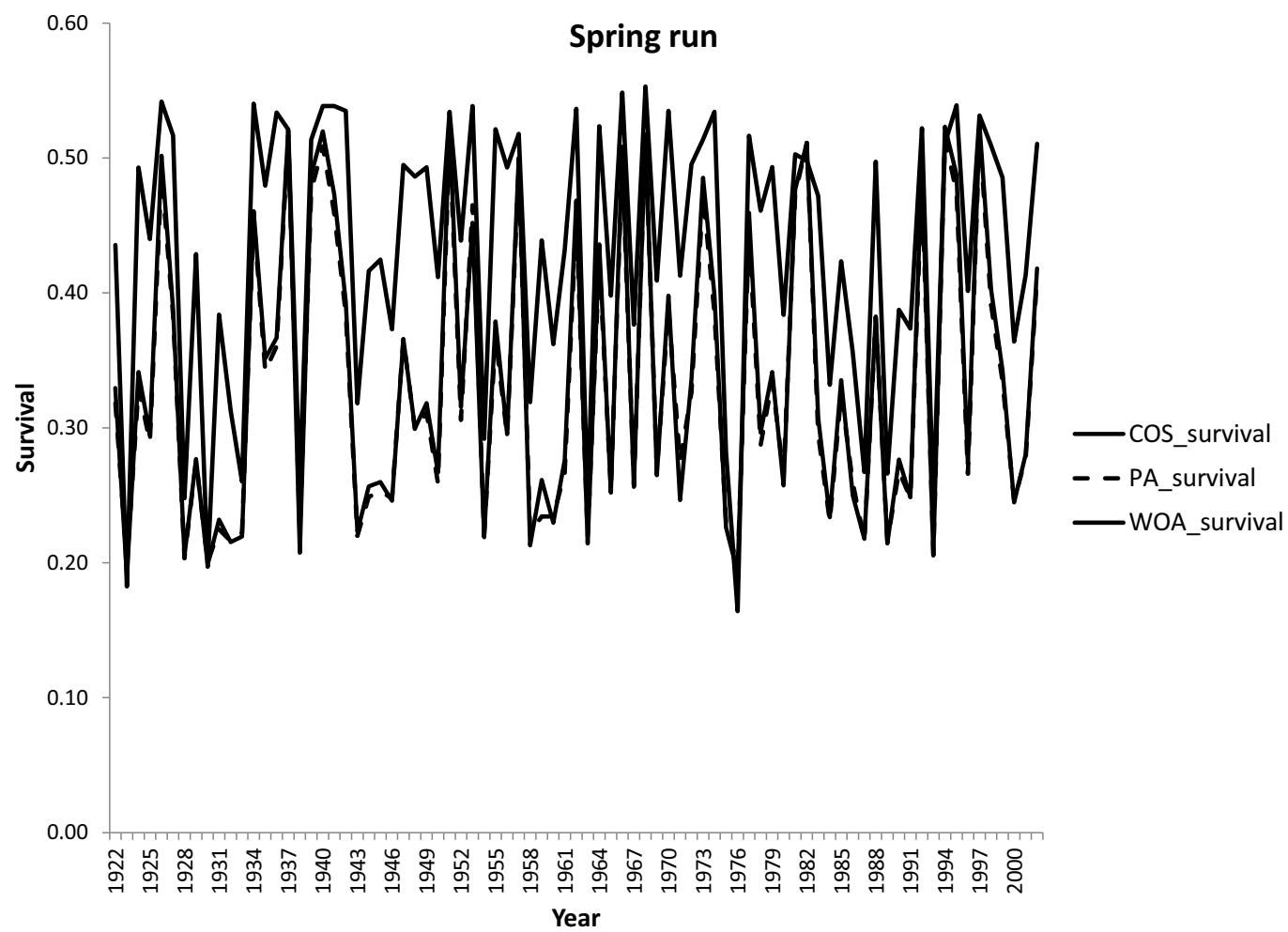
| | |
|-------------------------|----------|
| Range | 0.064263 |
| Minimum | -0.01434 |
| Maximum | 0.049927 |
| Sum | 0.007357 |
| Count | 12 |
| Largest(2) | 0.009763 |
| Smallest(2) | -0.00937 |
| Confidence Level(95.0%) | 0.01072 |

All

Column1

| | |
|-------------------------|----------|
| Mean | 0.003845 |
| Standard Error | 0.002551 |
| Median | -0.00157 |
| Mode | #N/A |
| Standard Deviation | 0.022958 |
| Sample Variance | 0.000527 |
| Kurtosis | 11.71358 |
| Skewness | 2.761173 |
| Range | 0.164218 |
| Minimum | -0.03281 |
| Maximum | 0.131404 |
| Sum | 0.311477 |
| Count | 81 |
| Largest(2) | 0.066582 |
| Smallest(2) | -0.02593 |
| Confidence Level(95.0%) | 0.005076 |

Spring run



| | | COS_survival | COS_2.5th percentile | COS_97.5th percentile |
|------|----|--------------|----------------------|-----------------------|
| 1922 | AN | 0.329502936 | 0.305097012 | 0.356332478 |
| 1923 | BN | 0.19083988 | 0.168855295 | 0.221269821 |
| 1924 | C | 0.341481485 | 0.321120808 | 0.365487975 |
| 1925 | D | 0.294589866 | 0.267311439 | 0.316418891 |
| 1926 | D | 0.501768732 | 0.475304443 | 0.52779105 |
| 1927 | W | 0.388074416 | 0.358368461 | 0.414353465 |
| 1928 | AN | 0.205222741 | 0.181195484 | 0.227558199 |
| 1929 | C | 0.276801147 | 0.25337584 | 0.302120668 |
| 1930 | D | 0.198582224 | 0.175932267 | 0.223567406 |
| 1931 | C | 0.232053699 | 0.206603467 | 0.251122218 |
| 1932 | D | 0.215362238 | 0.18672471 | 0.238313096 |
| 1933 | C | 0.21941762 | 0.197735372 | 0.242462374 |
| 1934 | C | 0.460615618 | 0.430410099 | 0.48059127 |
| 1935 | BN | 0.351400304 | 0.32446322 | 0.379910176 |
| 1936 | BN | 0.366614844 | 0.340043293 | 0.388875911 |
| 1937 | BN | 0.52055415 | 0.493771543 | 0.550396588 |
| 1938 | W | 0.207337333 | 0.183756644 | 0.228354216 |
| 1939 | D | 0.487603853 | 0.459004286 | 0.516396633 |
| 1940 | AN | 0.519848612 | 0.490340929 | 0.546382311 |
| 1941 | W | 0.47311331 | 0.449218039 | 0.494588985 |
| 1942 | W | 0.393154109 | 0.37260374 | 0.417378025 |
| 1943 | W | 0.223073615 | 0.200379138 | 0.24272839 |
| 1944 | D | 0.256525412 | 0.231119279 | 0.280561671 |
| 1945 | BN | 0.25991439 | 0.236326931 | 0.285237017 |
| 1946 | BN | 0.245983077 | 0.222113603 | 0.268191169 |
| 1947 | D | 0.365810176 | 0.340701345 | 0.386399697 |
| 1948 | BN | 0.299526625 | 0.276371735 | 0.318777463 |
| 1949 | D | 0.31830254 | 0.293484269 | 0.345430148 |
| 1950 | BN | 0.266852149 | 0.244721416 | 0.286278559 |
| 1951 | AN | 0.52510519 | 0.501292941 | 0.555475315 |
| 1952 | W | 0.315500642 | 0.289802183 | 0.335386556 |
| 1953 | W | 0.451991506 | 0.41790096 | 0.476042737 |
| 1954 | AN | 0.218858318 | 0.18887615 | 0.246732224 |
| 1955 | D | 0.378945327 | 0.35995595 | 0.400600447 |
| 1956 | W | 0.295247111 | 0.270827764 | 0.327352351 |
| 1957 | AN | 0.500249082 | 0.467944859 | 0.532944936 |
| 1958 | W | 0.212810976 | 0.187307373 | 0.237046243 |
| 1959 | BN | 0.261355043 | 0.246632417 | 0.286492521 |
| 1960 | D | 0.229571426 | 0.206529972 | 0.254827023 |
| 1961 | D | 0.276030741 | 0.255930804 | 0.304583168 |
| 1962 | BN | 0.468581111 | 0.447508885 | 0.488548769 |
| 1963 | W | 0.214314764 | 0.184915663 | 0.237741038 |
| 1964 | D | 0.436091132 | 0.4099849 | 0.457913955 |
| 1965 | W | 0.25194909 | 0.234785876 | 0.272352378 |
| 1966 | BN | 0.508451769 | 0.485265532 | 0.528768098 |

| | | | | |
|------|----|-------------|-------------|-------------|
| 1967 | W | 0.256323663 | 0.231301127 | 0.279660927 |
| 1968 | BN | 0.517473126 | 0.48735653 | 0.54070721 |
| 1969 | W | 0.264902983 | 0.242285223 | 0.286750852 |
| 1970 | W | 0.398076338 | 0.368098667 | 0.420899969 |
| 1971 | W | 0.246446299 | 0.220620455 | 0.269760975 |
| 1972 | BN | 0.335504174 | 0.309682982 | 0.353352278 |
| 1973 | AN | 0.485404046 | 0.466697553 | 0.502711928 |
| 1974 | W | 0.398616045 | 0.373929033 | 0.420760326 |
| 1975 | W | 0.226061201 | 0.203161269 | 0.247696146 |
| 1976 | C | 0.192509897 | 0.170102225 | 0.217153991 |
| 1977 | C | 0.459334593 | 0.440591277 | 0.485971943 |
| 1978 | AN | 0.296571871 | 0.275278066 | 0.320729306 |
| 1979 | BN | 0.341477855 | 0.322762525 | 0.362846103 |
| 1980 | AN | 0.257193448 | 0.233175802 | 0.273665085 |
| 1981 | D | 0.476763198 | 0.448459895 | 0.500253907 |
| 1982 | W | 0.511145302 | 0.488498965 | 0.534452441 |
| 1983 | W | 0.307468175 | 0.281022941 | 0.335736808 |
| 1984 | W | 0.233626077 | 0.212466945 | 0.249988484 |
| 1985 | D | 0.335314615 | 0.315269183 | 0.355272238 |
| 1986 | W | 0.249948669 | 0.227521343 | 0.272126159 |
| 1987 | D | 0.217726184 | 0.193308602 | 0.244369783 |
| 1988 | C | 0.382554788 | 0.355012709 | 0.408735988 |
| 1989 | D | 0.21427375 | 0.190129638 | 0.24019317 |
| 1990 | C | 0.276475106 | 0.256709254 | 0.297256345 |
| 1991 | C | 0.248477689 | 0.225771409 | 0.267603016 |
| 1992 | C | 0.496809945 | 0.470563988 | 0.519864014 |
| 1993 | AN | 0.205242346 | 0.18768748 | 0.224895213 |
| 1994 | C | 0.523235807 | 0.488487944 | 0.551224026 |
| 1995 | W | 0.487454436 | 0.460879934 | 0.509694135 |
| 1996 | W | 0.273107368 | 0.242249334 | 0.293956126 |
| 1997 | W | 0.524466167 | 0.50183773 | 0.54686915 |
| 1998 | W | 0.402260273 | 0.383153418 | 0.436524385 |
| 1999 | W | 0.342810962 | 0.319104679 | 0.369625045 |
| 2000 | AN | 0.24479866 | 0.218824989 | 0.265492608 |
| 2001 | D | 0.280562564 | 0.258355077 | 0.301830441 |
| 2002 | D | 0.418146854 | 0.397487606 | 0.444217919 |

Avg 0.336833886 0.312466199 0.360480643

median 0.307468175 0.281022941 0.335386556

PA-COS -0.004087831

PA-COS -0.009150917

| PA_surviva | PA_2.5th percentile | PA_97.5th percentile | WOA_survival |
|------------|---------------------|----------------------|--------------|
| 0.318118 | 0.293284237 | 0.343528308 | 0.435574769 |
| 0.199431 | 0.175807698 | 0.229328397 | 0.1823767 |
| 0.329365 | 0.310049094 | 0.351776326 | 0.492935101 |
| 0.28964 | 0.263218024 | 0.312636994 | 0.439962691 |
| 0.488407 | 0.463053447 | 0.513265759 | 0.541826655 |
| 0.383348 | 0.352997251 | 0.409310119 | 0.516757046 |
| 0.203413 | 0.179820509 | 0.224924316 | 0.247784904 |
| 0.275573 | 0.25401905 | 0.300602077 | 0.428798573 |
| 0.200294 | 0.178740712 | 0.223607302 | 0.197082746 |
| 0.224804 | 0.200148816 | 0.243818148 | 0.383861279 |
| 0.216041 | 0.187876866 | 0.240755241 | 0.312828764 |
| 0.222122 | 0.199370413 | 0.244301187 | 0.260181909 |
| 0.457447 | 0.427407733 | 0.477265023 | 0.54028916 |
| 0.342154 | 0.315592076 | 0.370113929 | 0.479456472 |
| 0.360518 | 0.334376368 | 0.382353112 | 0.533699676 |
| 0.516612 | 0.490042059 | 0.545797509 | 0.521137826 |
| 0.222483 | 0.196938773 | 0.244693597 | 0.255977848 |
| 0.475767 | 0.448184058 | 0.504495397 | 0.513640647 |
| 0.508595 | 0.479462135 | 0.534215841 | 0.538523096 |
| 0.459166 | 0.436660974 | 0.478843015 | 0.538469459 |
| 0.384422 | 0.364512973 | 0.408431166 | 0.534935484 |
| 0.219974 | 0.198690545 | 0.237870611 | 0.318148879 |
| 0.248921 | 0.224729248 | 0.271855274 | 0.416210353 |
| 0.252786 | 0.2303421 | 0.275101119 | 0.424684223 |
| 0.24775 | 0.222919862 | 0.269202036 | 0.372987442 |
| 0.365982 | 0.34122608 | 0.386464414 | 0.494759019 |
| 0.298317 | 0.276790348 | 0.317393592 | 0.486303219 |
| 0.31116 | 0.287241407 | 0.337543972 | 0.493180181 |
| 0.259035 | 0.23797005 | 0.277621697 | 0.41168731 |
| 0.515396 | 0.491988905 | 0.545199952 | 0.534194231 |
| 0.305982 | 0.281725299 | 0.325481196 | 0.438834928 |
| 0.464961 | 0.431722578 | 0.487603392 | 0.538562272 |
| 0.220657 | 0.191365322 | 0.248724251 | 0.291797452 |
| 0.367376 | 0.348737875 | 0.388498296 | 0.521391241 |
| 0.294102 | 0.269803736 | 0.325490679 | 0.492977722 |
| 0.492176 | 0.460377055 | 0.523860085 | 0.517808669 |
| 0.222637 | 0.196851661 | 0.247542901 | 0.318981173 |
| 0.234198 | 0.216907419 | 0.257606502 | 0.438992719 |
| 0.234332 | 0.211503108 | 0.257216786 | 0.36198349 |
| 0.266568 | 0.246823269 | 0.293996935 | 0.43166738 |
| 0.456658 | 0.436243062 | 0.478045793 | 0.536461683 |
| 0.21915 | 0.192491375 | 0.243118829 | 0.244391319 |
| 0.425398 | 0.399267323 | 0.445750964 | 0.523499207 |
| 0.254356 | 0.238558803 | 0.274598354 | 0.39805974 |
| 0.497897 | 0.47485159 | 0.517495313 | 0.548559905 |

| | | | |
|----------|-------------|-------------|-------------|
| 0.257689 | 0.236172622 | 0.27969991 | 0.376479589 |
| 0.515393 | 0.48574646 | 0.538403711 | 0.553021993 |
| 0.268116 | 0.248078824 | 0.28995892 | 0.409244085 |
| 0.388346 | 0.359891474 | 0.410132504 | 0.534947939 |
| 0.275028 | 0.249864241 | 0.298480293 | 0.41277045 |
| 0.326327 | 0.301738553 | 0.343516167 | 0.495292078 |
| 0.472717 | 0.45411337 | 0.489854941 | 0.513805239 |
| 0.385398 | 0.361279972 | 0.407817733 | 0.534264526 |
| 0.230446 | 0.208616416 | 0.251255405 | 0.281812465 |
| 0.196891 | 0.174219126 | 0.22221601 | 0.164106753 |
| 0.445352 | 0.427198495 | 0.470828469 | 0.516558254 |
| 0.287198 | 0.266839141 | 0.309919742 | 0.460933078 |
| 0.334503 | 0.316502699 | 0.355492809 | 0.493341497 |
| 0.264611 | 0.240017003 | 0.282508001 | 0.383759664 |
| 0.473281 | 0.445291965 | 0.496540688 | 0.502736097 |
| 0.511246 | 0.488588263 | 0.534553197 | 0.498175967 |
| 0.295289 | 0.269890535 | 0.322740319 | 0.471715363 |
| 0.230574 | 0.210460975 | 0.246835798 | 0.331980556 |
| 0.325382 | 0.305709007 | 0.344484493 | 0.423422999 |
| 0.259265 | 0.237657508 | 0.282887726 | 0.355878871 |
| 0.216302 | 0.195367871 | 0.242258839 | 0.26732182 |
| 0.38156 | 0.35548514 | 0.406773563 | 0.497225358 |
| 0.216173 | 0.192092077 | 0.240337465 | 0.26607933 |
| 0.267705 | 0.249358881 | 0.287511727 | 0.387471697 |
| 0.248207 | 0.225587688 | 0.26739908 | 0.373523355 |
| 0.483722 | 0.458614305 | 0.506934673 | 0.522053638 |
| 0.206387 | 0.18855377 | 0.226024535 | 0.244641525 |
| 0.514081 | 0.480673964 | 0.541153896 | 0.510617895 |
| 0.474495 | 0.448577392 | 0.497159719 | 0.539063 |
| 0.266133 | 0.237369485 | 0.286626379 | 0.401383585 |
| 0.519393 | 0.496750887 | 0.541647372 | 0.531480392 |
| 0.390895 | 0.37193432 | 0.423872536 | 0.509157259 |
| 0.334453 | 0.311467442 | 0.360005735 | 0.485587597 |
| 0.245981 | 0.22048042 | 0.267535977 | 0.36400141 |
| 0.277785 | 0.255984832 | 0.298639946 | 0.413414767 |
| 0.412613 | 0.392062441 | 0.438444769 | 0.510494431 |
| 0.332746 | 0.308999122 | 0.35589875 | 0.431975174 |
| 0.298317 | 0.276790348 | 0.325481196 | 0.460933078 |

| WOA_2.5th percentile | WOA_97.5th percentile | All Years | PA-COS | % Change |
|----------------------|-----------------------|-----------|----------|----------|
| 0.411542061 | 0.462388428 | | -0.01139 | -3.46% |
| 0.163284815 | 0.207741673 | | 0.008591 | 4.50% |
| 0.473048773 | 0.516577175 | | -0.01212 | -3.55% |
| 0.41241055 | 0.462946197 | | -0.00495 | -1.68% |
| 0.515703931 | 0.570442042 | | -0.01336 | -2.66% |
| 0.484751137 | 0.543811643 | | -0.00473 | -1.22% |
| 0.229039355 | 0.271673423 | | -0.00181 | -0.88% |
| 0.406341103 | 0.455952916 | | -0.00123 | -0.44% |
| 0.175905076 | 0.22034419 | | 0.001711 | 0.86% |
| 0.361835586 | 0.402848414 | | -0.00725 | -3.12% |
| 0.282996085 | 0.342496353 | | 0.000679 | 0.32% |
| 0.239498074 | 0.280698425 | | 0.002704 | 1.23% |
| 0.506656101 | 0.562231198 | | -0.00317 | -0.69% |
| 0.451942466 | 0.508162618 | | -0.00925 | -2.63% |
| 0.505858749 | 0.557470286 | | -0.0061 | -1.66% |
| 0.494217061 | 0.552609795 | | -0.00394 | -0.76% |
| 0.234330486 | 0.278339191 | | 0.015145 | 7.30% |
| 0.491943389 | 0.541007224 | | -0.01184 | -2.43% |
| 0.510200524 | 0.566703841 | | -0.01125 | -2.16% |
| 0.51384196 | 0.56361165 | | -0.01395 | -2.95% |
| 0.513912168 | 0.559527102 | | -0.00873 | -2.22% |
| 0.296760516 | 0.33843777 | | -0.0031 | -1.39% |
| 0.392296258 | 0.440202807 | | -0.0076 | -2.96% |
| 0.4035016 | 0.448156011 | | -0.00713 | -2.74% |
| 0.351101987 | 0.404118964 | | 0.001767 | 0.72% |
| 0.471223703 | 0.515201756 | | 0.000172 | 0.05% |
| 0.460316411 | 0.50672597 | | -0.00121 | -0.40% |
| 0.466594973 | 0.518368262 | | -0.00714 | -2.24% |
| 0.386436881 | 0.434448734 | | -0.00782 | -2.93% |
| 0.509456617 | 0.562930173 | | -0.00971 | -1.85% |
| 0.412581223 | 0.457989462 | | -0.00952 | -3.02% |
| 0.500517572 | 0.565646777 | | 0.012969 | 2.87% |
| 0.26304341 | 0.314721833 | | 0.001799 | 0.82% |
| 0.500564805 | 0.542676929 | | -0.01157 | -3.05% |
| 0.472798759 | 0.524784225 | | -0.00114 | -0.39% |
| 0.480998427 | 0.551462239 | | -0.00807 | -1.61% |
| 0.294730043 | 0.344138184 | | 0.009826 | 4.62% |
| 0.422135507 | 0.462964237 | | -0.02716 | -10.39% |
| 0.334007098 | 0.384729742 | | 0.00476 | 2.07% |
| 0.412249166 | 0.459119695 | | -0.00946 | -3.43% |
| 0.517187759 | 0.557297844 | | -0.01192 | -2.54% |
| 0.218926571 | 0.267540292 | | 0.004835 | 2.26% |
| 0.495202628 | 0.547391704 | | -0.01069 | -2.45% |
| 0.378292394 | 0.415793715 | | 0.002407 | 0.96% |
| 0.518390533 | 0.57279129 | | -0.01055 | -2.08% |

| | | | |
|-------------|-------------|----------|--------|
| 0.354329588 | 0.402256346 | 0.001365 | 0.53% |
| 0.517804694 | 0.579549521 | -0.00208 | -0.40% |
| 0.386275616 | 0.433464961 | 0.003213 | 1.21% |
| 0.500889015 | 0.559623852 | -0.00973 | -2.44% |
| 0.391469717 | 0.438552906 | 0.028581 | 11.60% |
| 0.468419056 | 0.516708672 | -0.00918 | -2.74% |
| 0.493618792 | 0.534327343 | -0.01269 | -2.61% |
| 0.505355367 | 0.558502781 | -0.01322 | -3.32% |
| 0.257605165 | 0.303571427 | 0.004385 | 1.94% |
| 0.143536191 | 0.186156038 | 0.004381 | 2.28% |
| 0.493042462 | 0.545835742 | -0.01398 | -3.04% |
| 0.441191034 | 0.484094614 | -0.00937 | -3.16% |
| 0.470691442 | 0.513754138 | -0.00697 | -2.04% |
| 0.363042483 | 0.402484985 | 0.007418 | 2.88% |
| 0.474676779 | 0.529405302 | -0.00348 | -0.73% |
| 0.478440735 | 0.518383372 | 0.0001 | 0.02% |
| 0.444407868 | 0.496939529 | -0.01218 | -3.96% |
| 0.311839668 | 0.352140543 | -0.00305 | -1.31% |
| 0.401288965 | 0.44834763 | -0.00993 | -2.96% |
| 0.331581268 | 0.379222149 | 0.009317 | 3.73% |
| 0.251081068 | 0.292521855 | -0.00142 | -0.65% |
| 0.469775744 | 0.528062344 | -0.00099 | -0.26% |
| 0.239360595 | 0.292486784 | 0.001899 | 0.89% |
| 0.367810667 | 0.41082228 | -0.00877 | -3.17% |
| 0.34697655 | 0.394310485 | -0.00027 | -0.11% |
| 0.487901568 | 0.545563582 | -0.01309 | -2.63% |
| 0.224322823 | 0.268698221 | 0.001145 | 0.56% |
| 0.484756365 | 0.534170398 | -0.00915 | -1.75% |
| 0.51015957 | 0.562118822 | -0.01296 | -2.66% |
| 0.364443475 | 0.420547117 | -0.00697 | -2.55% |
| 0.509341753 | 0.555584213 | -0.00507 | -0.97% |
| 0.488399681 | 0.543142033 | -0.01137 | -2.83% |
| 0.458000849 | 0.512888661 | -0.00836 | -2.44% |
| 0.337362643 | 0.385609779 | 0.001183 | 0.48% |
| 0.387230335 | 0.439373823 | -0.00278 | -0.99% |
| 0.48941984 | 0.535802397 | -0.00553 | -1.32% |
| 0.407215108 | 0.456422803 | -0.00409 | |
| 0.441191034 | 0.484094614 | -0.00409 | |

PA-COS

| <i>Column1</i> | | <i>Column2</i> | |
|-------------------------|--------------|-------------------------|----------|
| Mean | -0.004087831 | Mean | -0.00893 |
| Standard Error | 0.00090352 | Standard Error | 0.003116 |
| Median | -0.005073237 | Median | -0.0139 |
| Mode | #N/A | Mode | #N/A |
| Standard Deviation | 0.008131683 | Standard Deviation | 0.028044 |
| Sample Variance | 6.61243E-05 | Sample Variance | 0.000786 |
| Kurtosis | 2.701651882 | Kurtosis | 5.744452 |
| Skewness | 0.881528856 | Skewness | 1.20078 |
| Range | 0.055738279 | Range | 0.219882 |
| Minimum | -0.027156894 | Minimum | -0.10391 |
| Maximum | 0.028581386 | Maximum | 0.115974 |
| Sum | -0.331114317 | Sum | -0.72363 |
| Count | 81 | Count | 81 |
| Largest(2) | 0.015145214 | Largest(2) | 0.073046 |
| Smallest(2) | -0.013982306 | Smallest(2) | -0.03961 |
| Confidence Level(95.0%) | 0.001798063 | Confidence Level(95.0%) | 0.006201 |

COS

Column1

| | |
|-------------------------|--------------|
| Mean | 0.336833886 |
| Standard Error | 0.012038386 |
| Median | 0.307468175 |
| Mode | #N/A |
| Standard Deviation | 0.108345476 |
| Sample Variance | 0.011738742 |
| Kurtosis | -1.225639802 |
| Skewness | 0.444486184 |
| Range | 0.33426531 |
| Minimum | 0.19083988 |
| Maximum | 0.52510519 |
| Sum | 27.28354481 |
| Count | 81 |
| Largest(2) | 0.524466167 |
| Smallest(2) | 0.192509897 |
| Confidence Level(95.0%) | 0.023957152 |

PA

| <i>Column1</i> | |
|----------------|-------------|
| Mean | 0.332746055 |
| Standard Error | 0.01162365 |
| Median | 0.298317259 |

| | |
|-------------------------|--------------|
| Mode | #N/A |
| Standard Deviation | 0.10461285 |
| Sample Variance | 0.010943848 |
| Kurtosis | -1.187864249 |
| Skewness | 0.494334929 |
| Range | 0.322502043 |
| Minimum | 0.196890887 |
| Maximum | 0.51939293 |
| Sum | 26.95243049 |
| Count | 81 |
| Largest(2) | 0.516612204 |
| Smallest(2) | 0.199430773 |
| Confidence Level(95.0%) | 0.023131801 |

| Year | WY | COS_survival | COS_2.5th percentile | COS_97.5th percentile |
|------|----|--------------|----------------------|-----------------------|
| 1922 | AN | 0.329502936 | 0.305097012 | 0.356332478 |
| 1928 | AN | 0.205222741 | 0.181195484 | 0.227558199 |
| 1940 | AN | 0.519848612 | 0.490340929 | 0.546382311 |
| 1951 | AN | 0.52510519 | 0.501292941 | 0.555475315 |
| 1954 | AN | 0.218858318 | 0.18887615 | 0.246732224 |
| 1957 | AN | 0.500249082 | 0.467944859 | 0.532944936 |
| 1973 | AN | 0.485404046 | 0.466697553 | 0.502711928 |
| 1978 | AN | 0.296571871 | 0.275278066 | 0.320729306 |
| 1980 | AN | 0.257193448 | 0.233175802 | 0.273665085 |
| 1993 | AN | 0.205242346 | 0.18768748 | 0.224895213 |
| 2000 | AN | 0.24479866 | 0.218824989 | 0.265492608 |
| 1923 | BN | 0.19083988 | 0.168855295 | 0.221269821 |
| 1935 | BN | 0.351400304 | 0.32446322 | 0.379910176 |
| 1936 | BN | 0.366614844 | 0.340043293 | 0.388875911 |
| 1937 | BN | 0.52055415 | 0.493771543 | 0.550396588 |
| 1945 | BN | 0.25991439 | 0.236326931 | 0.285237017 |
| 1946 | BN | 0.245983077 | 0.222113603 | 0.268191169 |
| 1948 | BN | 0.299526625 | 0.276371735 | 0.318777463 |
| 1950 | BN | 0.266852149 | 0.244721416 | 0.286278559 |
| 1959 | BN | 0.261355043 | 0.246632417 | 0.286492521 |
| 1962 | BN | 0.468581111 | 0.447508885 | 0.488548769 |
| 1966 | BN | 0.508451769 | 0.485265532 | 0.528768098 |
| 1968 | BN | 0.517473126 | 0.48735653 | 0.54070721 |
| 1972 | BN | 0.335504174 | 0.309682982 | 0.353352278 |
| 1979 | BN | 0.341477855 | 0.322762525 | 0.362846103 |
| 1924 | C | 0.341481485 | 0.321120808 | 0.365487975 |
| 1929 | C | 0.276801147 | 0.25337584 | 0.302120668 |
| 1931 | C | 0.232053699 | 0.206603467 | 0.251122218 |
| 1933 | C | 0.21941762 | 0.197735372 | 0.242462374 |
| 1934 | C | 0.460615618 | 0.430410099 | 0.48059127 |
| 1976 | C | 0.192509897 | 0.170102225 | 0.217153991 |
| 1977 | C | 0.459334593 | 0.440591277 | 0.485971943 |
| 1988 | C | 0.382554788 | 0.355012709 | 0.408735988 |
| 1990 | C | 0.276475106 | 0.256709254 | 0.297256345 |
| 1991 | C | 0.248477689 | 0.225771409 | 0.267603016 |
| 1992 | C | 0.496809945 | 0.470563988 | 0.519864014 |
| 1994 | C | 0.523235807 | 0.488487944 | 0.551224026 |
| 1925 | D | 0.294589866 | 0.267311439 | 0.316418891 |
| 1926 | D | 0.501768732 | 0.475304443 | 0.52779105 |
| 1930 | D | 0.198582224 | 0.175932267 | 0.223567406 |
| 1932 | D | 0.215362238 | 0.18672471 | 0.238313096 |
| 1939 | D | 0.487603853 | 0.459004286 | 0.516396633 |
| 1944 | D | 0.256525412 | 0.231119279 | 0.280561671 |
| 1947 | D | 0.365810176 | 0.340701345 | 0.386399697 |
| 1949 | D | 0.31830254 | 0.293484269 | 0.345430148 |

| | | | | |
|------|---|-------------|-------------|-------------|
| 1955 | D | 0.378945327 | 0.35995595 | 0.400600447 |
| 1960 | D | 0.229571426 | 0.206529972 | 0.254827023 |
| 1961 | D | 0.276030741 | 0.255930804 | 0.304583168 |
| 1964 | D | 0.436091132 | 0.4099849 | 0.457913955 |
| 1981 | D | 0.476763198 | 0.448459895 | 0.500253907 |
| 1985 | D | 0.335314615 | 0.315269183 | 0.355272238 |
| 1987 | D | 0.217726184 | 0.193308602 | 0.244369783 |
| 1989 | D | 0.21427375 | 0.190129638 | 0.24019317 |
| 2001 | D | 0.280562564 | 0.258355077 | 0.301830441 |
| 2002 | D | 0.418146854 | 0.397487606 | 0.444217919 |
| 1927 | W | 0.388074416 | 0.358368461 | 0.414353465 |
| 1938 | W | 0.207337333 | 0.183756644 | 0.228354216 |
| 1941 | W | 0.47311331 | 0.449218039 | 0.494588985 |
| 1942 | W | 0.393154109 | 0.37260374 | 0.417378025 |
| 1943 | W | 0.223073615 | 0.200379138 | 0.24272839 |
| 1952 | W | 0.315500642 | 0.289802183 | 0.335386556 |
| 1953 | W | 0.451991506 | 0.41790096 | 0.476042737 |
| 1956 | W | 0.295247111 | 0.270827764 | 0.327352351 |
| 1958 | W | 0.212810976 | 0.187307373 | 0.237046243 |
| 1963 | W | 0.214314764 | 0.184915663 | 0.237741038 |
| 1965 | W | 0.25194909 | 0.234785876 | 0.272352378 |
| 1967 | W | 0.256323663 | 0.231301127 | 0.279660927 |
| 1969 | W | 0.264902983 | 0.242285223 | 0.286750852 |
| 1970 | W | 0.398076338 | 0.368098667 | 0.420899969 |
| 1971 | W | 0.246446299 | 0.220620455 | 0.269760975 |
| 1974 | W | 0.398616045 | 0.373929033 | 0.420760326 |
| 1975 | W | 0.226061201 | 0.203161269 | 0.247696146 |
| 1982 | W | 0.511145302 | 0.488498965 | 0.534452441 |
| 1983 | W | 0.307468175 | 0.281022941 | 0.335736808 |
| 1984 | W | 0.233626077 | 0.212466945 | 0.249988484 |
| 1986 | W | 0.249948669 | 0.227521343 | 0.272126159 |
| 1995 | W | 0.487454436 | 0.460879934 | 0.509694135 |
| 1996 | W | 0.273107368 | 0.242249334 | 0.293956126 |
| 1997 | W | 0.524466167 | 0.50183773 | 0.54686915 |
| 1998 | W | 0.402260273 | 0.383153418 | 0.436524385 |
| 1999 | W | 0.342810962 | 0.319104679 | 0.369625045 |

| PA_survival | PA_2.5th percentile | PA_97.5th percentile | PA-COS | % |
|-------------|---------------------|----------------------|----------|---------|
| 0.31811774 | 0.293284237 | 0.343528308 | -0.01139 | -3.46% |
| 0.20341295 | 0.179820509 | 0.224924316 | -0.00181 | -0.88% |
| 0.50859523 | 0.479462135 | 0.534215841 | -0.01125 | -2.16% |
| 0.51539555 | 0.491988905 | 0.545199952 | -0.00971 | -1.85% |
| 0.22065746 | 0.191365322 | 0.248724251 | 0.001799 | 0.82% |
| 0.49217643 | 0.460377055 | 0.523860085 | -0.00807 | -1.61% |
| 0.47271715 | 0.45411337 | 0.489854941 | -0.01269 | -2.61% |
| 0.28719822 | 0.266839141 | 0.309919742 | -0.00937 | -3.16% |
| 0.26461127 | 0.240017003 | 0.282508001 | 0.007418 | 2.88% |
| 0.20638724 | 0.18855377 | 0.226024535 | 0.001145 | 0.56% |
| 0.24598124 | 0.22048042 | 0.267535977 | 0.001183 | 0.48% |
| 0.19943077 | 0.175807698 | 0.229328397 | 0.008591 | 4.50% |
| 0.34215446 | 0.315592076 | 0.370113929 | -0.00925 | -2.63% |
| 0.36051809 | 0.334376368 | 0.382353112 | -0.0061 | -1.66% |
| 0.5166122 | 0.490042059 | 0.545797509 | -0.00394 | -0.76% |
| 0.25278592 | 0.2303421 | 0.275101119 | -0.00713 | -2.74% |
| 0.24775037 | 0.222919862 | 0.269202036 | 0.001767 | 0.72% |
| 0.29831726 | 0.276790348 | 0.317393592 | -0.00121 | -0.40% |
| 0.25903528 | 0.23797005 | 0.277621697 | -0.00782 | -2.93% |
| 0.23419815 | 0.216907419 | 0.257606502 | -0.02716 | -10.39% |
| 0.45665826 | 0.436243062 | 0.478045793 | -0.01192 | -2.54% |
| 0.49789712 | 0.47485159 | 0.517495313 | -0.01055 | -2.08% |
| 0.51539311 | 0.48574646 | 0.538403711 | -0.00208 | -0.40% |
| 0.32632717 | 0.301738553 | 0.343516167 | -0.00918 | -2.74% |
| 0.33450336 | 0.316502699 | 0.355492809 | -0.00697 | -2.04% |
| 0.32936514 | 0.310049094 | 0.351776326 | -0.01212 | -3.55% |
| 0.27557332 | 0.25401905 | 0.300602077 | -0.00123 | -0.44% |
| 0.22480386 | 0.200148816 | 0.243818148 | -0.00725 | -3.12% |
| 0.22212164 | 0.199370413 | 0.244301187 | 0.002704 | 1.23% |
| 0.45744744 | 0.427407733 | 0.477265023 | -0.00317 | -0.69% |
| 0.19689089 | 0.174219126 | 0.22221601 | 0.004381 | 2.28% |
| 0.44535229 | 0.427198495 | 0.470828469 | -0.01398 | -3.04% |
| 0.38155986 | 0.35548514 | 0.406773563 | -0.00099 | -0.26% |
| 0.267705 | 0.249358881 | 0.287511727 | -0.00877 | -3.17% |
| 0.24820696 | 0.225587688 | 0.26739908 | -0.00027 | -0.11% |
| 0.48372202 | 0.458614305 | 0.506934673 | -0.01309 | -2.63% |
| 0.5140813 | 0.480673964 | 0.541153896 | -0.00915 | -1.75% |
| 0.28964013 | 0.263218024 | 0.312636994 | -0.00495 | -1.68% |
| 0.48840735 | 0.463053447 | 0.513265759 | -0.01336 | -2.66% |
| 0.20029362 | 0.178740712 | 0.223607302 | 0.001711 | 0.86% |
| 0.21604144 | 0.187876866 | 0.240755241 | 0.000679 | 0.32% |
| 0.47576698 | 0.448184058 | 0.504495397 | -0.01184 | -2.43% |
| 0.24892079 | 0.224729248 | 0.271855274 | -0.0076 | -2.96% |
| 0.36598245 | 0.34122608 | 0.386464414 | 0.000172 | 0.05% |
| 0.31115963 | 0.287241407 | 0.337543972 | -0.00714 | -2.24% |

| | | | | |
|------------|-------------|-------------|----------|--------|
| 0.36737593 | 0.348737875 | 0.388498296 | -0.01157 | -3.05% |
| 0.23433179 | 0.211503108 | 0.257216786 | 0.00476 | 2.07% |
| 0.2665678 | 0.246823269 | 0.293996935 | -0.00946 | -3.43% |
| 0.4253978 | 0.399267323 | 0.445750964 | -0.01069 | -2.45% |
| 0.47328088 | 0.445291965 | 0.496540688 | -0.00348 | -0.73% |
| 0.32538199 | 0.305709007 | 0.344484493 | -0.00993 | -2.96% |
| 0.21630211 | 0.195367871 | 0.242258839 | -0.00142 | -0.65% |
| 0.21617294 | 0.192092077 | 0.240337465 | 0.001899 | 0.89% |
| 0.27778525 | 0.255984832 | 0.298639946 | -0.00278 | -0.99% |
| 0.41261336 | 0.392062441 | 0.438444769 | -0.00553 | -1.32% |
| 0.38334843 | 0.352997251 | 0.409310119 | -0.00473 | -1.22% |
| 0.22248255 | 0.196938773 | 0.244693597 | 0.015145 | 7.30% |
| 0.45916605 | 0.436660974 | 0.478843015 | -0.01395 | -2.95% |
| 0.38442248 | 0.364512973 | 0.408431166 | -0.00873 | -2.22% |
| 0.21997375 | 0.198690545 | 0.237870611 | -0.0031 | -1.39% |
| 0.30598249 | 0.281725299 | 0.325481196 | -0.00952 | -3.02% |
| 0.46496056 | 0.431722578 | 0.487603392 | 0.012969 | 2.87% |
| 0.29410211 | 0.269803736 | 0.325490679 | -0.00114 | -0.39% |
| 0.22263696 | 0.196851661 | 0.247542901 | 0.009826 | 4.62% |
| 0.21914964 | 0.192491375 | 0.243118829 | 0.004835 | 2.26% |
| 0.25435566 | 0.238558803 | 0.274598354 | 0.002407 | 0.96% |
| 0.25768882 | 0.236172622 | 0.27969991 | 0.001365 | 0.53% |
| 0.26811612 | 0.248078824 | 0.28995892 | 0.003213 | 1.21% |
| 0.38834643 | 0.359891474 | 0.410132504 | -0.00973 | -2.44% |
| 0.27502769 | 0.249864241 | 0.298480293 | 0.028581 | 11.60% |
| 0.38539827 | 0.361279972 | 0.407817733 | -0.01322 | -3.32% |
| 0.23044574 | 0.208616416 | 0.251255405 | 0.004385 | 1.94% |
| 0.51124568 | 0.488588263 | 0.534553197 | 0.0001 | 0.02% |
| 0.29528911 | 0.269890535 | 0.322740319 | -0.01218 | -3.96% |
| 0.23057396 | 0.210460975 | 0.246835798 | -0.00305 | -1.31% |
| 0.25926525 | 0.237657508 | 0.282887726 | 0.009317 | 3.73% |
| 0.47449545 | 0.448577392 | 0.497159719 | -0.01296 | -2.66% |
| 0.26613268 | 0.237369485 | 0.286626379 | -0.00697 | -2.55% |
| 0.51939293 | 0.496750887 | 0.541647372 | -0.00507 | -0.97% |
| 0.39089511 | 0.37193432 | 0.423872536 | -0.01137 | -2.83% |
| 0.33445265 | 0.311467442 | 0.360005735 | -0.00836 | -2.44% |

PA-COS

Wet

| <i>Column1</i> | |
|-------------------------|----------|
| Mean | -0.00123 |
| Standard Error | 0.002031 |
| Median | -0.00308 |
| Mode | #N/A |
| Standard Deviation | 0.010358 |
| Sample Variance | 0.000107 |
| Kurtosis | 1.200678 |
| Skewness | 1.044951 |
| Range | 0.042529 |
| Minimum | -0.01395 |
| Maximum | 0.028581 |
| Sum | -0.03193 |
| Count | 26 |
| Largest(2) | 0.015145 |
| Smallest(2) | -0.01322 |
| Confidence Level(95.0%) | 0.004184 |

Above Normal

| <i>Column1</i> | |
|-------------------------|----------|
| Mean | -0.0048 |
| Standard Error | 0.00208 |
| Median | -0.00807 |
| Mode | #N/A |
| Standard Deviation | 0.006898 |
| Sample Variance | 4.76E-05 |
| Kurtosis | -1.30183 |
| Skewness | 0.469636 |
| Range | 0.020105 |
| Minimum | -0.01269 |
| Maximum | 0.007418 |
| Sum | -0.05275 |
| Count | 11 |
| Largest(2) | 0.001799 |
| Smallest(2) | -0.01139 |
| Confidence Level(95.0%) | 0.004634 |

Below Normal

| <i>Column1</i> | |
|----------------|----------|
| Mean | -0.00664 |

COS

Wet

| <i>Column1</i> | |
|-------------------------|--|
| Mean | |
| Standard Error | |
| Median | |
| Mode | |
| Standard Deviation | |
| Sample Variance | |
| Kurtosis | |
| Skewness | |
| Range | |
| Minimum | |
| Maximum | |
| Sum | |
| Count | |
| Largest(2) | |
| Smallest(2) | |
| Confidence Level(95.0%) | |

Above Normal

| <i>Column1</i> | |
|-------------------------|--|
| Mean | |
| Standard Error | |
| Median | |
| Mode | |
| Standard Deviation | |
| Sample Variance | |
| Kurtosis | |
| Skewness | |
| Range | |
| Minimum | |
| Maximum | |
| Sum | |
| Count | |
| Largest(2) | |
| Smallest(2) | |
| Confidence Level(95.0%) | |

Below Normal

| <i>Column1</i> | |
|----------------|--|
| Mean | |

| | |
|-------------------------|----------|
| Standard Error | 0.002148 |
| Median | -0.00705 |
| Mode | #N/A |
| Standard Deviation | 0.008037 |
| Sample Variance | 6.46E-05 |
| Kurtosis | 3.154785 |
| Skewness | -0.77449 |
| Range | 0.035748 |
| Minimum | -0.02716 |
| Maximum | 0.008591 |
| Sum | -0.09295 |
| Count | 14 |
| Largest(2) | 0.001767 |
| Smallest(2) | -0.01192 |
| Confidence Level(95.0%) | 0.00464 |

Dry

Column1

| | |
|-------------------------|----------|
| Mean | -0.00503 |
| Standard Error | 0.001297 |
| Median | -0.00524 |
| Mode | #N/A |
| Standard Deviation | 0.005504 |
| Sample Variance | 3.03E-05 |
| Kurtosis | -1.2014 |
| Skewness | 0.15102 |
| Range | 0.018122 |
| Minimum | -0.01336 |
| Maximum | 0.00476 |
| Sum | -0.09055 |
| Count | 18 |
| Largest(2) | 0.001899 |
| Smallest(2) | -0.01184 |
| Confidence Level(95.0%) | 0.002737 |

Critical

Column1

| | |
|--------------------|----------|
| Mean | -0.00524 |
| Standard Error | 0.001817 |
| Median | -0.00521 |
| Mode | #N/A |
| Standard Deviation | 0.006295 |
| Sample Variance | 3.96E-05 |
| Kurtosis | -1.42024 |

| | |
|-------------------------|--|
| Standard Error | |
| Median | |
| Mode | |
| Standard Deviation | |
| Sample Variance | |
| Kurtosis | |
| Skewness | |
| Range | |
| Minimum | |
| Maximum | |
| Sum | |
| Count | |
| Largest(2) | |
| Smallest(2) | |
| Confidence Level(95.0%) | |

Dry

Column1

| | |
|-------------------------|--|
| Mean | |
| Standard Error | |
| Median | |
| Mode | |
| Standard Deviation | |
| Sample Variance | |
| Kurtosis | |
| Skewness | |
| Range | |
| Minimum | |
| Maximum | |
| Sum | |
| Count | |
| Largest(2) | |
| Smallest(2) | |
| Confidence Level(95.0%) | |

Critical

Column1

| | |
|--------------------|--|
| Mean | |
| Standard Error | |
| Median | |
| Mode | |
| Standard Deviation | |
| Sample Variance | |
| Kurtosis | |

| | |
|-------------------------|----------|
| Skewness | 0.035908 |
| Range | 0.018363 |
| Minimum | -0.01398 |
| Maximum | 0.004381 |
| Sum | -0.06294 |
| Count | 12 |
| Largest(2) | 0.002704 |
| Smallest(2) | -0.01309 |
| Confidence Level(95.0%) | 0.004 |

| | |
|-------------------------|--|
| Skewness | |
| Range | |
| Minimum | |
| Maximum | |
| Sum | |
| Count | |
| Largest(2) | |
| Smallest(2) | |
| Confidence Level(95.0%) | |

PA

Wet

Column1

| | | |
|----------|-------------------------|----------|
| 0.328818 | Mean | 0.32759 |
| 0.020032 | Standard Error | 0.019119 |
| 0.301358 | Median | 0.294696 |
| #N/A | Mode | #N/A |
| 0.102144 | Standard Deviation | 0.097486 |
| 0.010433 | Sample Variance | 0.009503 |
| -1.04282 | Kurtosis | -0.87434 |
| 0.553271 | Skewness | 0.65148 |
| 0.317129 | Range | 0.300243 |
| 0.207337 | Minimum | 0.21915 |
| 0.524466 | Maximum | 0.519393 |
| 8.549281 | Sum | 8.517347 |
| 26 | Count | 26 |
| 0.511145 | Largest(2) | 0.511246 |
| 0.212811 | Smallest(2) | 0.219974 |
| 0.041257 | Confidence Level(95.0%) | 0.039375 |

Above Normal

Column1

| | | |
|----------|-------------------------|----------|
| 0.344363 | Mean | 0.339568 |
| 0.040692 | Standard Error | 0.039138 |
| 0.296572 | Median | 0.287198 |
| #N/A | Mode | #N/A |
| 0.134959 | Standard Deviation | 0.129807 |
| 0.018214 | Sample Variance | 0.01685 |
| -1.86741 | Kurtosis | -1.84016 |
| 0.436413 | Skewness | 0.459195 |
| 0.319882 | Range | 0.311983 |
| 0.205223 | Minimum | 0.203413 |
| 0.525105 | Maximum | 0.515396 |
| 3.787997 | Sum | 3.73525 |
| 11 | Count | 11 |
| 0.519849 | Largest(2) | 0.508595 |
| 0.205242 | Smallest(2) | 0.206387 |
| 0.090666 | Confidence Level(95.0%) | 0.087205 |

Below Normal

Column1

| | | |
|----------|------|----------|
| 0.352466 | Mean | 0.345827 |
|----------|------|----------|

| | | |
|----------|-------------------------|----------|
| 0.029498 | Standard Error | 0.029279 |
| 0.338491 | Median | 0.330415 |
| #N/A | Mode | #N/A |
| 0.110372 | Standard Deviation | 0.109553 |
| 0.012182 | Sample Variance | 0.012002 |
| -1.0962 | Kurtosis | -1.11615 |
| 0.456855 | Skewness | 0.524917 |
| 0.329714 | Range | 0.317181 |
| 0.19084 | Minimum | 0.199431 |
| 0.520554 | Maximum | 0.516612 |
| 4.934528 | Sum | 4.841582 |
| 14 | Count | 14 |
| 0.517473 | Largest(2) | 0.515393 |
| 0.245983 | Smallest(2) | 0.234198 |
| 0.063727 | Confidence Level(95.0%) | 0.063254 |

Dry

Column1

| | | |
|----------|-------------------------|----------|
| 0.327887 | Mean | 0.322857 |
| 0.024063 | Standard Error | 0.023203 |
| 0.306446 | Median | 0.3004 |
| #N/A | Mode | #N/A |
| 0.102089 | Standard Deviation | 0.098442 |
| 0.010422 | Sample Variance | 0.009691 |
| -1.17773 | Kurtosis | -1.19038 |
| 0.425077 | Skewness | 0.457554 |
| 0.303187 | Range | 0.288114 |
| 0.198582 | Minimum | 0.200294 |
| 0.501769 | Maximum | 0.488407 |
| 5.901971 | Sum | 5.811422 |
| 18 | Count | 18 |
| 0.487604 | Largest(2) | 0.475767 |
| 0.214274 | Smallest(2) | 0.216041 |
| 0.050768 | Confidence Level(95.0%) | 0.048954 |

Critical

Column1

| | | |
|----------|--------------------|----------|
| 0.342481 | Mean | 0.337236 |
| 0.03405 | Standard Error | 0.03292 |
| 0.309141 | Median | 0.302469 |
| #N/A | Mode | #N/A |
| 0.117954 | Standard Deviation | 0.114038 |
| 0.013913 | Sample Variance | 0.013005 |
| -1.57648 | Kurtosis | -1.59976 |

| | | |
|-----------------|--------------------------------|-----------------|
| 0.326071 | Skewness | 0.351201 |
| 0.330726 | Range | 0.31719 |
| 0.19251 | Minimum | 0.196891 |
| 0.523236 | Maximum | 0.514081 |
| 4.109767 | Sum | 4.04683 |
| 12 | Count | 12 |
| 0.49681 | Largest(2) | 0.483722 |
| 0.219418 | Smallest(2) | 0.222122 |
| <u>0.074944</u> | <u>Confidence Level(95.0%)</u> | <u>0.072456</u> |

% Relative Change

| <i>Column1</i> | |
|-------------------------|----------|
| Mean | 0.0013 |
| Standard Error | 0.007141 |
| Median | -0.01093 |
| Mode | #N/A |
| Standard Deviation | 0.036414 |
| Sample Variance | 0.001326 |
| Kurtosis | 2.833885 |
| Skewness | 1.578023 |
| Range | 0.155585 |
| Minimum | -0.03961 |
| Maximum | 0.115974 |
| Sum | 0.033801 |
| Count | 26 |
| Largest(2) | 0.073046 |
| Smallest(2) | -0.03316 |
| Confidence Level(95.0%) | 0.014708 |

| <i>Column1</i> | |
|-------------------------|----------|
| Mean | -0.00999 |
| Standard Error | 0.005939 |
| Median | -0.01614 |
| Mode | #N/A |
| Standard Deviation | 0.019698 |
| Sample Variance | 0.000388 |
| Kurtosis | -0.31079 |
| Skewness | 0.641118 |
| Range | 0.063394 |
| Minimum | -0.03455 |
| Maximum | 0.028841 |
| Sum | -0.10992 |
| Count | 11 |
| Largest(2) | 0.008221 |
| Smallest(2) | -0.03161 |
| Confidence Level(95.0%) | 0.013233 |

| <i>Column1</i> | |
|----------------|----------|
| Mean | -0.01864 |

| | |
|-------------------------|----------|
| Standard Error | 0.008426 |
| Median | -0.02059 |
| Mode | #N/A |
| Standard Deviation | 0.031529 |
| Sample Variance | 0.000994 |
| Kurtosis | 4.811269 |
| Skewness | -0.97492 |
| Range | 0.148924 |
| Minimum | -0.10391 |
| Maximum | 0.045016 |
| Sum | -0.26098 |
| Count | 14 |
| Largest(2) | 0.007185 |
| Smallest(2) | -0.02929 |
| Confidence Level(95.0%) | 0.018204 |

Column1

| | |
|-------------------------|----------|
| Mean | -0.01299 |
| Standard Error | 0.003823 |
| Median | -0.01502 |
| Mode | #N/A |
| Standard Deviation | 0.01622 |
| Sample Variance | 0.000263 |
| Kurtosis | -0.73708 |
| Skewness | 0.548736 |
| Range | 0.055018 |
| Minimum | -0.03428 |
| Maximum | 0.020736 |
| Sum | -0.23388 |
| Count | 18 |
| Largest(2) | 0.008863 |
| Smallest(2) | -0.03053 |
| Confidence Level(95.0%) | 0.008066 |

Column1

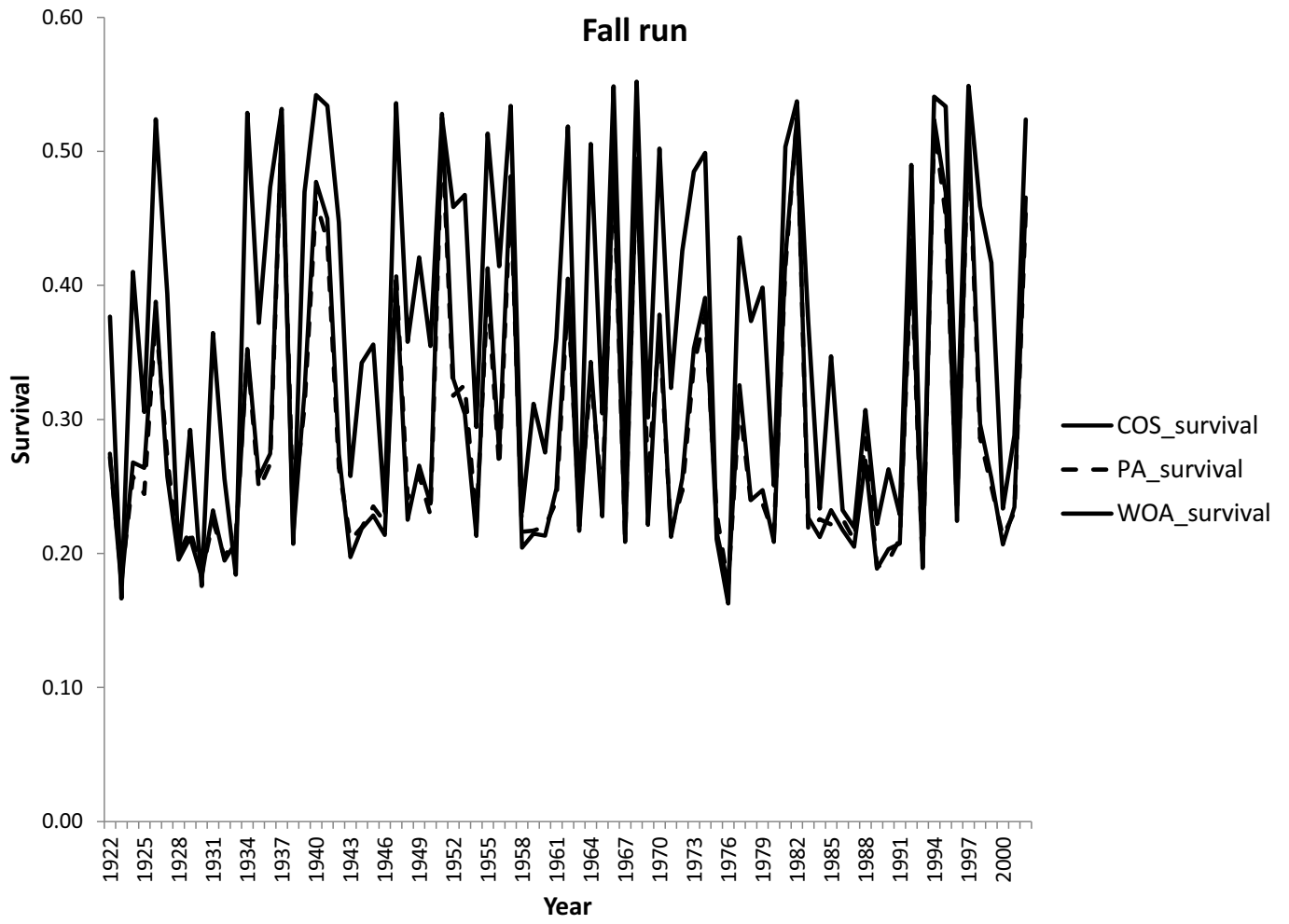
| | |
|--------------------|----------|
| Mean | -0.01272 |
| Standard Error | 0.005485 |
| Median | -0.01219 |
| Mode | #N/A |
| Standard Deviation | 0.019 |
| Sample Variance | 0.000361 |
| Kurtosis | -0.81404 |

| | |
|-------------------------|----------|
| Skewness | 0.485694 |
| Range | 0.058239 |
| Minimum | -0.03548 |
| Maximum | 0.022757 |
| Sum | -0.15265 |
| Count | 12 |
| Largest(2) | 0.012324 |
| Smallest(2) | -0.03172 |
| Confidence Level(95.0%) | 0.012072 |

All

Column1

| | |
|-------------------------|----------|
| Mean | -0.00893 |
| Standard Error | 0.003116 |
| Median | -0.0139 |
| Mode | #N/A |
| Standard Deviation | 0.028044 |
| Sample Variance | 0.000786 |
| Kurtosis | 5.744452 |
| Skewness | 1.20078 |
| Range | 0.219882 |
| Minimum | -0.10391 |
| Maximum | 0.115974 |
| Sum | -0.72363 |
| Count | 81 |
| Largest(2) | 0.073046 |
| Smallest(2) | -0.03961 |
| Confidence Level(95.0%) | 0.006201 |



| | | COS_survival | COS_2.5th percentile | COS_97.5th percentile |
|------|----|--------------|----------------------|-----------------------|
| 1922 | AN | 0.274499527 | 0.250345983 | 0.298752196 |
| 1923 | BN | 0.176339872 | 0.155951369 | 0.199692943 |
| 1924 | C | 0.267989277 | 0.240927047 | 0.294216099 |
| 1925 | D | 0.263827141 | 0.242545408 | 0.29193313 |
| 1926 | D | 0.387910174 | 0.3644052 | 0.419936916 |
| 1927 | W | 0.257459463 | 0.229510201 | 0.286198235 |
| 1928 | AN | 0.19529222 | 0.170502143 | 0.221740029 |
| 1929 | C | 0.211750771 | 0.19322045 | 0.242193415 |
| 1930 | D | 0.182527608 | 0.162195179 | 0.210472168 |
| 1931 | C | 0.232088005 | 0.20496644 | 0.254496622 |
| 1932 | D | 0.194613082 | 0.169030553 | 0.220457636 |
| 1933 | C | 0.20846296 | 0.183410472 | 0.234600548 |
| 1934 | C | 0.35259949 | 0.329519641 | 0.382754746 |
| 1935 | BN | 0.256999842 | 0.228742749 | 0.285384752 |
| 1936 | BN | 0.274505374 | 0.249329099 | 0.295251845 |
| 1937 | BN | 0.519843188 | 0.493592341 | 0.544906002 |
| 1938 | W | 0.213802924 | 0.188850591 | 0.242571409 |
| 1939 | D | 0.320690238 | 0.295222676 | 0.343429302 |
| 1940 | AN | 0.477218632 | 0.450830737 | 0.502197039 |
| 1941 | W | 0.449957433 | 0.427438712 | 0.475160614 |
| 1942 | W | 0.274387457 | 0.249831907 | 0.307995604 |
| 1943 | W | 0.197262967 | 0.170612158 | 0.226700969 |
| 1944 | D | 0.218533602 | 0.192302656 | 0.241069561 |
| 1945 | BN | 0.228371216 | 0.201404037 | 0.249844224 |
| 1946 | BN | 0.213792875 | 0.19188026 | 0.2327449 |
| 1947 | D | 0.404011957 | 0.379391977 | 0.428271949 |
| 1948 | BN | 0.225070049 | 0.199851763 | 0.25110341 |
| 1949 | D | 0.265493019 | 0.24339835 | 0.28915616 |
| 1950 | BN | 0.23715861 | 0.214328422 | 0.259662502 |
| 1951 | AN | 0.528118555 | 0.504196855 | 0.558183068 |
| 1952 | W | 0.330164791 | 0.306126489 | 0.357520306 |
| 1953 | W | 0.304101649 | 0.276639441 | 0.329338975 |
| 1954 | AN | 0.2130027 | 0.184274495 | 0.240124879 |
| 1955 | D | 0.412805093 | 0.393271303 | 0.443031558 |
| 1956 | W | 0.275060466 | 0.24270781 | 0.308802217 |
| 1957 | AN | 0.481482718 | 0.454094835 | 0.504982045 |
| 1958 | W | 0.204206779 | 0.173862796 | 0.227564958 |
| 1959 | BN | 0.214821852 | 0.1893535 | 0.243624098 |
| 1960 | D | 0.213305619 | 0.18694394 | 0.235242367 |
| 1961 | D | 0.248295277 | 0.225071899 | 0.275583689 |
| 1962 | BN | 0.405085302 | 0.380217437 | 0.429504816 |
| 1963 | W | 0.216825505 | 0.188250965 | 0.239182352 |
| 1964 | D | 0.342934513 | 0.31708508 | 0.364459522 |
| 1965 | W | 0.227693763 | 0.202815493 | 0.250473194 |
| 1966 | BN | 0.501370724 | 0.470496516 | 0.523500794 |

| | | | | |
|------|----|-------------|-------------|-------------|
| 1967 | W | 0.208583074 | 0.177575048 | 0.228335889 |
| 1968 | BN | 0.493803226 | 0.466705939 | 0.526517797 |
| 1969 | W | 0.221406169 | 0.195546093 | 0.252593912 |
| 1970 | W | 0.378210222 | 0.351185571 | 0.404660164 |
| 1971 | W | 0.212396789 | 0.180742088 | 0.239121874 |
| 1972 | BN | 0.255924405 | 0.230254236 | 0.272219574 |
| 1973 | AN | 0.352973743 | 0.325014728 | 0.376342234 |
| 1974 | W | 0.3907026 | 0.370160827 | 0.41252237 |
| 1975 | W | 0.216046518 | 0.18457756 | 0.248238713 |
| 1976 | C | 0.176272156 | 0.149831884 | 0.204388417 |
| 1977 | C | 0.32553103 | 0.304831822 | 0.342942187 |
| 1978 | AN | 0.239968026 | 0.215722637 | 0.269740929 |
| 1979 | BN | 0.247380693 | 0.220325345 | 0.27645431 |
| 1980 | AN | 0.208538172 | 0.187416746 | 0.231870009 |
| 1981 | D | 0.420727756 | 0.399418473 | 0.442670478 |
| 1982 | W | 0.524967786 | 0.492416979 | 0.549738213 |
| 1983 | W | 0.226643372 | 0.205883659 | 0.252423783 |
| 1984 | W | 0.212149316 | 0.188464143 | 0.233214292 |
| 1985 | D | 0.232388369 | 0.204883074 | 0.258556451 |
| 1986 | W | 0.217465478 | 0.193696405 | 0.240917468 |
| 1987 | D | 0.204893991 | 0.185580459 | 0.229102542 |
| 1988 | C | 0.269397008 | 0.245315648 | 0.295812395 |
| 1989 | D | 0.188551567 | 0.160194793 | 0.219517281 |
| 1990 | C | 0.203262978 | 0.178993106 | 0.229573464 |
| 1991 | C | 0.207368036 | 0.180444857 | 0.234435701 |
| 1992 | C | 0.433762012 | 0.409313029 | 0.455834609 |
| 1993 | AN | 0.189228822 | 0.171644843 | 0.214323632 |
| 1994 | C | 0.523557847 | 0.497309244 | 0.546018782 |
| 1995 | W | 0.469173705 | 0.443700829 | 0.491935049 |
| 1996 | W | 0.224259051 | 0.201637616 | 0.258368869 |
| 1997 | W | 0.522045365 | 0.496628848 | 0.551397231 |
| 1998 | W | 0.296751358 | 0.273421644 | 0.319858812 |
| 1999 | W | 0.2563867 | 0.232790682 | 0.284413131 |
| 2000 | AN | 0.206640429 | 0.181878569 | 0.232320812 |
| 2001 | D | 0.234608796 | 0.212009062 | 0.259299076 |
| 2002 | D | 0.465575272 | 0.441227141 | 0.490177679 |

| PA_survival | PA_2.5th percentile | PA_97.5th percentile | WOA_survival |
|-------------|---------------------|----------------------|--------------|
| 0.27167973 | 0.24767024 | 0.295303763 | 0.376684614 |
| 0.18150207 | 0.162335126 | 0.204728463 | 0.166447704 |
| 0.25730838 | 0.231245729 | 0.282373621 | 0.410118335 |
| 0.24455539 | 0.217679886 | 0.275971676 | 0.305679631 |
| 0.3761158 | 0.353921877 | 0.408556287 | 0.523916993 |
| 0.2714822 | 0.245297465 | 0.299731004 | 0.393643764 |
| 0.19885347 | 0.167777721 | 0.227162412 | 0.197160447 |
| 0.21793236 | 0.194487256 | 0.246118031 | 0.292254096 |
| 0.18462902 | 0.164025174 | 0.21376555 | 0.175718737 |
| 0.22413124 | 0.197888009 | 0.246212158 | 0.364465519 |
| 0.19757349 | 0.171359845 | 0.222482672 | 0.25561069 |
| 0.21157412 | 0.185954895 | 0.238937692 | 0.184246631 |
| 0.34935754 | 0.326488969 | 0.379255648 | 0.528682796 |
| 0.24792349 | 0.219434995 | 0.275534113 | 0.372019571 |
| 0.26687736 | 0.242527167 | 0.287450209 | 0.473371353 |
| 0.51612658 | 0.490152566 | 0.540696022 | 0.531721281 |
| 0.23144364 | 0.205662421 | 0.257557821 | 0.207232688 |
| 0.30995954 | 0.28589195 | 0.331528686 | 0.469723089 |
| 0.46245366 | 0.436599956 | 0.48692365 | 0.541931088 |
| 0.43298654 | 0.411171445 | 0.457572773 | 0.534047071 |
| 0.26411553 | 0.241417684 | 0.297649017 | 0.446951223 |
| 0.20988696 | 0.187608089 | 0.233669231 | 0.257830475 |
| 0.21951198 | 0.193695388 | 0.238382362 | 0.342308077 |
| 0.23497391 | 0.212366344 | 0.258737209 | 0.355784511 |
| 0.22339649 | 0.200478013 | 0.241594302 | 0.231342471 |
| 0.4086616 | 0.384350839 | 0.432103395 | 0.5359133 |
| 0.24120263 | 0.218895051 | 0.266943532 | 0.357824386 |
| 0.25820551 | 0.237050644 | 0.281424212 | 0.42087601 |
| 0.2285742 | 0.205683469 | 0.250118092 | 0.354735496 |
| 0.51545439 | 0.49214047 | 0.545637602 | 0.525304081 |
| 0.31777986 | 0.294186562 | 0.344955924 | 0.458536672 |
| 0.32581068 | 0.301026319 | 0.34871092 | 0.467456402 |
| 0.22229908 | 0.192976324 | 0.253485204 | 0.294364571 |
| 0.39641848 | 0.376794232 | 0.426425833 | 0.513180008 |
| 0.26453601 | 0.233115413 | 0.297823492 | 0.414351156 |
| 0.4685947 | 0.441561303 | 0.492415228 | 0.533836325 |
| 0.2161478 | 0.188707033 | 0.23874868 | 0.231371588 |
| 0.21701077 | 0.193486147 | 0.249623636 | 0.311693105 |
| 0.22012648 | 0.194978601 | 0.240026482 | 0.27538554 |
| 0.23918377 | 0.217244911 | 0.266163674 | 0.36057738 |
| 0.39224972 | 0.368393502 | 0.416349851 | 0.518602243 |
| 0.22752061 | 0.200220185 | 0.245573724 | 0.220337959 |
| 0.33190124 | 0.307340442 | 0.353316362 | 0.505494163 |
| 0.24115956 | 0.216382275 | 0.26501302 | 0.304560755 |
| 0.4873427 | 0.457494867 | 0.508915752 | 0.548442846 |

| | | | |
|------------|-------------|-------------|-------------|
| 0.21112746 | 0.182544688 | 0.23304076 | 0.254657961 |
| 0.49431536 | 0.467231208 | 0.527041519 | 0.551986926 |
| 0.25689118 | 0.232352159 | 0.285391293 | 0.301427614 |
| 0.36508034 | 0.339043765 | 0.390808783 | 0.502127987 |
| 0.21704441 | 0.186960071 | 0.243704107 | 0.32350885 |
| 0.24688412 | 0.222507595 | 0.263200004 | 0.425833635 |
| 0.34059103 | 0.314246805 | 0.363148007 | 0.484937897 |
| 0.37768207 | 0.357103792 | 0.398717512 | 0.498818741 |
| 0.2293246 | 0.202921679 | 0.260563357 | 0.210676404 |
| 0.17690758 | 0.146551717 | 0.200581557 | 0.162693772 |
| 0.31254975 | 0.292790857 | 0.328984131 | 0.435817675 |
| 0.23695798 | 0.21324789 | 0.266767396 | 0.373463837 |
| 0.23740194 | 0.209597779 | 0.265748346 | 0.398275678 |
| 0.21361172 | 0.193275893 | 0.238705958 | 0.250788401 |
| 0.41387018 | 0.392074314 | 0.436026132 | 0.5033934 |
| 0.52512947 | 0.492563674 | 0.549907613 | 0.537310908 |
| 0.21734063 | 0.197311249 | 0.242317498 | 0.372907569 |
| 0.2254967 | 0.201385487 | 0.247015867 | 0.233598396 |
| 0.22159162 | 0.194639635 | 0.24701845 | 0.347081456 |
| 0.22585994 | 0.201190489 | 0.249764763 | 0.232328567 |
| 0.21003832 | 0.187895571 | 0.22916095 | 0.219423589 |
| 0.28591847 | 0.260542174 | 0.311522846 | 0.306994573 |
| 0.18967365 | 0.161269746 | 0.219699905 | 0.221931394 |
| 0.19452575 | 0.170068891 | 0.218521449 | 0.262854157 |
| 0.21098469 | 0.186370785 | 0.23784444 | 0.2290437 |
| 0.41906687 | 0.394687708 | 0.43998044 | 0.489887683 |
| 0.19002142 | 0.170602535 | 0.213916204 | 0.199963069 |
| 0.51897333 | 0.493136261 | 0.540682861 | 0.540842207 |
| 0.45221553 | 0.428038712 | 0.473178303 | 0.533627014 |
| 0.23602408 | 0.213020957 | 0.265758656 | 0.284112836 |
| 0.51160372 | 0.486376451 | 0.539813882 | 0.548837365 |
| 0.28618941 | 0.263760743 | 0.309224588 | 0.458978902 |
| 0.24994276 | 0.226970971 | 0.27682296 | 0.416921947 |
| 0.2125635 | 0.184828424 | 0.23655971 | 0.233597685 |
| 0.23100832 | 0.209925944 | 0.255816449 | 0.288128676 |
| 0.45603779 | 0.432773237 | 0.481707571 | 0.52379578 |

| WOA_2.5th percentile | WOA_97.5th percentile | All Years | PA-COS |
|----------------------|-----------------------|-----------|----------|
| 0.352889994 | 0.399205157 | | -0.00282 |
| 0.138906793 | 0.190974721 | | 0.005162 |
| 0.379146798 | 0.435966113 | | -0.01068 |
| 0.279664013 | 0.334487736 | | -0.01927 |
| 0.495384935 | 0.555692148 | | -0.01179 |
| 0.36745384 | 0.421396562 | | 0.014023 |
| 0.174372394 | 0.224665974 | | 0.003561 |
| 0.2663634 | 0.318464942 | | 0.006182 |
| 0.148926237 | 0.198472208 | | 0.002101 |
| 0.337958342 | 0.389857616 | | -0.00796 |
| 0.230673231 | 0.286067562 | | 0.00296 |
| 0.158182661 | 0.205342814 | | 0.003111 |
| 0.50195097 | 0.560742539 | | -0.00324 |
| 0.345346022 | 0.403121212 | | -0.00908 |
| 0.441750708 | 0.500721838 | | -0.00763 |
| 0.500662291 | 0.560733911 | | -0.00372 |
| 0.180566496 | 0.232607698 | | 0.017641 |
| 0.449338795 | 0.501376292 | | -0.01073 |
| 0.513040137 | 0.572195488 | | -0.01476 |
| 0.511573219 | 0.561229172 | | -0.01697 |
| 0.419254011 | 0.482990137 | | -0.01027 |
| 0.23519703 | 0.282510336 | | 0.012624 |
| 0.316082919 | 0.368791147 | | 0.000978 |
| 0.328231984 | 0.378937432 | | 0.006603 |
| 0.208464337 | 0.251342024 | | 0.009604 |
| 0.507291344 | 0.566345751 | | 0.00465 |
| 0.334683102 | 0.379554327 | | 0.016133 |
| 0.396077232 | 0.443867414 | | -0.00729 |
| 0.330452029 | 0.378309177 | | -0.00858 |
| 0.499461028 | 0.554870659 | | -0.01266 |
| 0.433770193 | 0.484330764 | | -0.01238 |
| 0.439505185 | 0.493258202 | | 0.021709 |
| 0.265494671 | 0.320760828 | | 0.009296 |
| 0.492592569 | 0.542919481 | | -0.01639 |
| 0.385793327 | 0.444389349 | | -0.01052 |
| 0.503028196 | 0.560715699 | | -0.01289 |
| 0.203447092 | 0.254696172 | | 0.011941 |
| 0.283855024 | 0.343002176 | | 0.002189 |
| 0.249779089 | 0.298621957 | | 0.006821 |
| 0.33655839 | 0.388462469 | | -0.00911 |
| 0.488431837 | 0.545633963 | | -0.01284 |
| 0.19586347 | 0.244669855 | | 0.010695 |
| 0.476050371 | 0.534370315 | | -0.01103 |
| 0.277942747 | 0.328409305 | | 0.013466 |
| 0.515199324 | 0.571636015 | | -0.01403 |

| | | |
|-------------|-------------|----------|
| 0.225241643 | 0.27513907 | 0.002544 |
| 0.52079592 | 0.586955285 | 0.000512 |
| 0.273411019 | 0.327708529 | 0.035485 |
| 0.474285677 | 0.53123118 | -0.01313 |
| 0.299473557 | 0.35246236 | 0.004648 |
| 0.403816608 | 0.443391046 | -0.00904 |
| 0.458861324 | 0.507430109 | -0.01238 |
| 0.479880601 | 0.523423585 | -0.01302 |
| 0.186423995 | 0.235448389 | 0.013278 |
| 0.14499656 | 0.184305431 | 0.000635 |
| 0.4118186 | 0.459297699 | -0.01298 |
| 0.343924481 | 0.403492273 | -0.00301 |
| 0.367847413 | 0.432558085 | -0.00998 |
| 0.22956548 | 0.274691336 | 0.005074 |
| 0.476102932 | 0.527218702 | -0.00686 |
| 0.504183748 | 0.562346575 | 0.000162 |
| 0.349073617 | 0.402214576 | -0.0093 |
| 0.207817214 | 0.261335164 | 0.013347 |
| 0.321627592 | 0.372094433 | -0.0108 |
| 0.208072253 | 0.256795265 | 0.008394 |
| 0.198528076 | 0.241680323 | 0.005144 |
| 0.28438088 | 0.332315858 | 0.016521 |
| 0.193146671 | 0.255444594 | 0.001122 |
| 0.243651246 | 0.286626795 | -0.00874 |
| 0.195208763 | 0.253120156 | 0.003617 |
| 0.462045281 | 0.513083795 | -0.0147 |
| 0.180029814 | 0.221223812 | 0.000793 |
| 0.514730349 | 0.565350968 | -0.00458 |
| 0.506779245 | 0.556113648 | -0.01696 |
| 0.259944923 | 0.3169268 | 0.011765 |
| 0.520410708 | 0.58071391 | -0.01044 |
| 0.434780122 | 0.484483646 | -0.01056 |
| 0.395229508 | 0.442849547 | -0.00644 |
| 0.202488245 | 0.258712764 | 0.005923 |
| 0.263326755 | 0.311338496 | -0.0036 |
| 0.497960289 | 0.547059208 | -0.00954 |

| PA-COS | | Year |
|-------------------------|----------|------|
| <i>Column1</i> | | 1922 |
| <hr/> | | 1928 |
| Mean | -0.00163 | 1940 |
| Standard Error | 0.001208 | 1951 |
| Median | -0.00324 | 1954 |
| Mode | #N/A | 1957 |
| Standard Deviation | 0.010871 | 1973 |
| Sample Variance | 0.000118 | 1978 |
| Kurtosis | 0.269734 | 1980 |
| Skewness | 0.693353 | 1993 |
| Range | 0.054757 | 2000 |
| Minimum | -0.01927 | 1923 |
| Maximum | 0.035485 | 1935 |
| Sum | -0.1323 | 1936 |
| Count | 81 | 1937 |
| Largest(2) | 0.021709 | 1945 |
| Smallest(2) | -0.01697 | 1946 |
| Confidence Level(95.0%) | 0.002404 | 1948 |
| <hr/> | | 1950 |
| COS | | 1959 |
| <i>Column1</i> | | 1962 |
| <hr/> | | 1966 |
| Mean | 0.293324 | 1968 |
| Standard Error | 0.011785 | 1972 |
| Median | 0.248295 | 1979 |
| Mode | #N/A | 1924 |
| Standard Deviation | 0.106063 | 1929 |
| Sample Variance | 0.011249 | 1931 |
| Kurtosis | -0.34736 | 1933 |
| Skewness | 1.006571 | 1934 |
| Range | 0.351846 | 1976 |
| Minimum | 0.176272 | 1977 |
| Maximum | 0.528119 | 1988 |
| Sum | 23.75928 | 1990 |
| Count | 81 | 1991 |
| Largest(2) | 0.524968 | 1992 |
| Smallest(2) | 0.17634 | 1994 |
| Confidence Level(95.0%) | 0.023452 | 1925 |
| <hr/> | | 1926 |
| PA | | 1930 |
| <i>Column1</i> | | 1932 |
| <hr/> | | 1939 |
| Mean | 0.291691 | 1944 |
| Standard Error | 0.011197 | 1947 |
| Median | 0.244555 | 1949 |

| | | |
|-------------------------|----------|------|
| Mode | #N/A | 1955 |
| Standard Deviation | 0.100777 | 1960 |
| Sample Variance | 0.010156 | 1961 |
| Kurtosis | -0.17182 | 1964 |
| Skewness | 1.06652 | 1981 |
| Range | 0.348222 | 1985 |
| Minimum | 0.176908 | 1987 |
| Maximum | 0.525129 | 1989 |
| Sum | 23.62698 | 2001 |
| Count | 81 | 2002 |
| Largest(2) | 0.518973 | 1927 |
| Smallest(2) | 0.181502 | 1938 |
| Confidence Level(95.0%) | 0.022284 | 1941 |
| | | 1942 |
| | | 1943 |
| | | 1952 |
| | | 1953 |
| | | 1956 |
| | | 1958 |
| | | 1963 |
| | | 1965 |
| | | 1967 |
| | | 1969 |
| | | 1970 |
| | | 1971 |
| | | 1974 |
| | | 1975 |
| | | 1982 |
| | | 1983 |
| | | 1984 |
| | | 1986 |
| | | 1995 |
| | | 1996 |
| | | 1997 |
| | | 1998 |
| | | 1999 |

| WY Type | COS_survival | COS_2.5th percentile | COS_97.5th percentile |
|---------|--------------|----------------------|-----------------------|
| AN | 0.274499527 | 0.250345983 | 0.298752196 |
| AN | 0.19529222 | 0.170502143 | 0.221740029 |
| AN | 0.477218632 | 0.450830737 | 0.502197039 |
| AN | 0.528118555 | 0.504196855 | 0.558183068 |
| AN | 0.2130027 | 0.184274495 | 0.240124879 |
| AN | 0.481482718 | 0.454094835 | 0.504982045 |
| AN | 0.352973743 | 0.325014728 | 0.376342234 |
| AN | 0.239968026 | 0.215722637 | 0.269740929 |
| AN | 0.208538172 | 0.187416746 | 0.231870009 |
| AN | 0.189228822 | 0.171644843 | 0.214323632 |
| AN | 0.206640429 | 0.181878569 | 0.232320812 |
| BN | 0.176339872 | 0.155951369 | 0.199692943 |
| BN | 0.256999842 | 0.228742749 | 0.285384752 |
| BN | 0.274505374 | 0.249329099 | 0.295251845 |
| BN | 0.519843188 | 0.493592341 | 0.544906002 |
| BN | 0.228371216 | 0.201404037 | 0.249844224 |
| BN | 0.213792875 | 0.19188026 | 0.2327449 |
| BN | 0.225070049 | 0.199851763 | 0.25110341 |
| BN | 0.23715861 | 0.214328422 | 0.259662502 |
| BN | 0.214821852 | 0.1893535 | 0.243624098 |
| BN | 0.405085302 | 0.380217437 | 0.429504816 |
| BN | 0.501370724 | 0.470496516 | 0.523500794 |
| BN | 0.493803226 | 0.466705939 | 0.526517797 |
| BN | 0.255924405 | 0.230254236 | 0.272219574 |
| BN | 0.247380693 | 0.220325345 | 0.27645431 |
| C | 0.267989277 | 0.240927047 | 0.294216099 |
| C | 0.211750771 | 0.19322045 | 0.242193415 |
| C | 0.232088005 | 0.20496644 | 0.254496622 |
| C | 0.20846296 | 0.183410472 | 0.234600548 |
| C | 0.35259949 | 0.329519641 | 0.382754746 |
| C | 0.176272156 | 0.149831884 | 0.204388417 |
| C | 0.32553103 | 0.304831822 | 0.342942187 |
| C | 0.269397008 | 0.245315648 | 0.295812395 |
| C | 0.203262978 | 0.178993106 | 0.229573464 |
| C | 0.207368036 | 0.180444857 | 0.234435701 |
| C | 0.433762012 | 0.409313029 | 0.455834609 |
| C | 0.523557847 | 0.497309244 | 0.546018782 |
| D | 0.263827141 | 0.242545408 | 0.29193313 |
| D | 0.387910174 | 0.3644052 | 0.419936916 |
| D | 0.182527608 | 0.162195179 | 0.210472168 |
| D | 0.194613082 | 0.169030553 | 0.220457636 |
| D | 0.320690238 | 0.295222676 | 0.343429302 |
| D | 0.218533602 | 0.192302656 | 0.241069561 |
| D | 0.404011957 | 0.379391977 | 0.428271949 |
| D | 0.265493019 | 0.24339835 | 0.28915616 |

| | | | |
|---|-------------|-------------|-------------|
| D | 0.412805093 | 0.393271303 | 0.443031558 |
| D | 0.213305619 | 0.18694394 | 0.235242367 |
| D | 0.248295277 | 0.225071899 | 0.275583689 |
| D | 0.342934513 | 0.31708508 | 0.364459522 |
| D | 0.420727756 | 0.399418473 | 0.442670478 |
| D | 0.232388369 | 0.204883074 | 0.258556451 |
| D | 0.204893991 | 0.185580459 | 0.229102542 |
| D | 0.188551567 | 0.160194793 | 0.219517281 |
| D | 0.234608796 | 0.212009062 | 0.259299076 |
| D | 0.465575272 | 0.441227141 | 0.490177679 |
| W | 0.257459463 | 0.229510201 | 0.286198235 |
| W | 0.213802924 | 0.188850591 | 0.242571409 |
| W | 0.449957433 | 0.427438712 | 0.475160614 |
| W | 0.274387457 | 0.249831907 | 0.307995604 |
| W | 0.197262967 | 0.170612158 | 0.226700969 |
| W | 0.330164791 | 0.306126489 | 0.357520306 |
| W | 0.304101649 | 0.276639441 | 0.329338975 |
| W | 0.275060466 | 0.24270781 | 0.308802217 |
| W | 0.204206779 | 0.173862796 | 0.227564958 |
| W | 0.216825505 | 0.188250965 | 0.239182352 |
| W | 0.227693763 | 0.202815493 | 0.250473194 |
| W | 0.208583074 | 0.177575048 | 0.228335889 |
| W | 0.221406169 | 0.195546093 | 0.252593912 |
| W | 0.378210222 | 0.351185571 | 0.404660164 |
| W | 0.212396789 | 0.180742088 | 0.239121874 |
| W | 0.3907026 | 0.370160827 | 0.41252237 |
| W | 0.216046518 | 0.18457756 | 0.248238713 |
| W | 0.524967786 | 0.492416979 | 0.549738213 |
| W | 0.226643372 | 0.205883659 | 0.252423783 |
| W | 0.212149316 | 0.188464143 | 0.233214292 |
| W | 0.217465478 | 0.193696405 | 0.240917468 |
| W | 0.469173705 | 0.443700829 | 0.491935049 |
| W | 0.224259051 | 0.201637616 | 0.258368869 |
| W | 0.522045365 | 0.496628848 | 0.551397231 |
| W | 0.296751358 | 0.273421644 | 0.319858812 |
| W | 0.2563867 | 0.232790682 | 0.284413131 |

| PA_survival | PA_2.5th percentile | PA_97.5th percentile | All Years | PA-COS |
|-------------|---------------------|----------------------|-----------|--------------|
| 0.27167973 | 0.24767024 | 0.295303763 | | -0.002819792 |
| 0.19885347 | 0.167777721 | 0.227162412 | | 0.003561248 |
| 0.46245366 | 0.436599956 | 0.48692365 | | -0.014764973 |
| 0.51545439 | 0.49214047 | 0.545637602 | | -0.012664165 |
| 0.22229908 | 0.192976324 | 0.253485204 | | 0.009296379 |
| 0.4685947 | 0.441561303 | 0.492415228 | | -0.012888023 |
| 0.34059103 | 0.314246805 | 0.363148007 | | -0.012382715 |
| 0.23695798 | 0.21324789 | 0.266767396 | | -0.003010042 |
| 0.21361172 | 0.193275893 | 0.238705958 | | 0.005073545 |
| 0.19002142 | 0.170602535 | 0.213916204 | | 0.000792595 |
| 0.2125635 | 0.184828424 | 0.23655971 | | 0.005923068 |
| 0.18150207 | 0.162335126 | 0.204728463 | | 0.005162203 |
| 0.24792349 | 0.219434995 | 0.275534113 | | -0.009076349 |
| 0.26687736 | 0.242527167 | 0.287450209 | | -0.007628014 |
| 0.51612658 | 0.490152566 | 0.540696022 | | -0.003716608 |
| 0.23497391 | 0.212366344 | 0.258737209 | | 0.006602692 |
| 0.22339649 | 0.200478013 | 0.241594302 | | 0.00960362 |
| 0.24120263 | 0.218895051 | 0.266943532 | | 0.016132581 |
| 0.2285742 | 0.205683469 | 0.250118092 | | -0.008584414 |
| 0.21701077 | 0.193486147 | 0.249623636 | | 0.002188914 |
| 0.39224972 | 0.368393502 | 0.416349851 | | -0.012835581 |
| 0.4873427 | 0.457494867 | 0.508915752 | | -0.01402802 |
| 0.49431536 | 0.467231208 | 0.527041519 | | 0.000512139 |
| 0.24688412 | 0.222507595 | 0.263200004 | | -0.009040287 |
| 0.23740194 | 0.209597779 | 0.265748346 | | -0.009978754 |
| 0.25730838 | 0.231245729 | 0.282373621 | | -0.0106809 |
| 0.21793236 | 0.194487256 | 0.246118031 | | 0.006181589 |
| 0.22413124 | 0.197888009 | 0.246212158 | | -0.007956764 |
| 0.21157412 | 0.185954895 | 0.238937692 | | 0.003111161 |
| 0.34935754 | 0.326488969 | 0.379255648 | | -0.003241952 |
| 0.17690758 | 0.146551717 | 0.200581557 | | 0.00063542 |
| 0.31254975 | 0.292790857 | 0.328984131 | | -0.01298128 |
| 0.28591847 | 0.260542174 | 0.311522846 | | 0.016521459 |
| 0.19452575 | 0.170068891 | 0.218521449 | | -0.008737228 |
| 0.21098469 | 0.186370785 | 0.23784444 | | 0.003616654 |
| 0.41906687 | 0.394687708 | 0.43998044 | | -0.01469514 |
| 0.51897333 | 0.493136261 | 0.540682861 | | -0.004584513 |
| 0.24455539 | 0.217679886 | 0.275971676 | | -0.019271747 |
| 0.3761158 | 0.353921877 | 0.408556287 | | -0.011794377 |
| 0.18462902 | 0.164025174 | 0.21376555 | | 0.002101415 |
| 0.19757349 | 0.171359845 | 0.222482672 | | 0.002960404 |
| 0.30995954 | 0.28589195 | 0.331528686 | | -0.0107307 |
| 0.21951198 | 0.193695388 | 0.238382362 | | 0.00097838 |
| 0.4086616 | 0.384350839 | 0.432103395 | | 0.004649642 |
| 0.25820551 | 0.237050644 | 0.281424212 | | -0.007287505 |

| | | | |
|------------|-------------|-------------|--------------|
| 0.39641848 | 0.376794232 | 0.426425833 | -0.016386616 |
| 0.22012648 | 0.194978601 | 0.240026482 | 0.006820865 |
| 0.23918377 | 0.217244911 | 0.266163674 | -0.009111507 |
| 0.33190124 | 0.307340442 | 0.353316362 | -0.011033272 |
| 0.41387018 | 0.392074314 | 0.436026132 | -0.006857577 |
| 0.22159162 | 0.194639635 | 0.24701845 | -0.010796753 |
| 0.21003832 | 0.187895571 | 0.22916095 | 0.005144325 |
| 0.18967365 | 0.161269746 | 0.219699905 | 0.001122081 |
| 0.23100832 | 0.209925944 | 0.255816449 | -0.003600472 |
| 0.45603779 | 0.432773237 | 0.481707571 | -0.009537487 |
| 0.2714822 | 0.245297465 | 0.299731004 | 0.014022738 |
| 0.23144364 | 0.205662421 | 0.257557821 | 0.017640717 |
| 0.43298654 | 0.411171445 | 0.457572773 | -0.016970888 |
| 0.26411553 | 0.241417684 | 0.297649017 | -0.010271926 |
| 0.20988696 | 0.187608089 | 0.233669231 | 0.012623993 |
| 0.31777986 | 0.294186562 | 0.344955924 | -0.012384935 |
| 0.32581068 | 0.301026319 | 0.34871092 | 0.021709032 |
| 0.26453601 | 0.233115413 | 0.297823492 | -0.010524455 |
| 0.2161478 | 0.188707033 | 0.23874868 | 0.011941016 |
| 0.22752061 | 0.200220185 | 0.245573724 | 0.01069511 |
| 0.24115956 | 0.216382275 | 0.26501302 | 0.013465799 |
| 0.21112746 | 0.182544688 | 0.23304076 | 0.002544389 |
| 0.25689118 | 0.232352159 | 0.285391293 | 0.035485011 |
| 0.36508034 | 0.339043765 | 0.390808783 | -0.013129882 |
| 0.21704441 | 0.186960071 | 0.243704107 | 0.004647625 |
| 0.37768207 | 0.357103792 | 0.398717512 | -0.013020531 |
| 0.2293246 | 0.202921679 | 0.260563357 | 0.013278081 |
| 0.52512947 | 0.492563674 | 0.549907613 | 0.00016168 |
| 0.21734063 | 0.197311249 | 0.242317498 | -0.009302741 |
| 0.2254967 | 0.201385487 | 0.247015867 | 0.013347379 |
| 0.22585994 | 0.201190489 | 0.249764763 | 0.008394465 |
| 0.45221553 | 0.428038712 | 0.473178303 | -0.016958173 |
| 0.23602408 | 0.213020957 | 0.265758656 | 0.011765027 |
| 0.51160372 | 0.486376451 | 0.539813882 | -0.010441646 |
| 0.28618941 | 0.263760743 | 0.309224588 | -0.01056195 |
| 0.24994276 | 0.226970971 | 0.27682296 | -0.006443937 |

| % change | PA-COS | |
|----------|-------------------------|----------|
| -1.03% | Wet | |
| 1.82% | <i>Column1</i> | |
| -3.09% | | |
| -2.40% | Mean | 0.002373 |
| 4.36% | Standard Error | 0.00275 |
| -2.68% | Median | 0.003596 |
| -3.51% | Mode | #N/A |
| -1.25% | Standard Deviation | 0.014024 |
| 2.43% | Sample Variance | 0.000197 |
| 0.42% | Kurtosis | -0.68015 |
| 2.87% | Skewness | 0.321518 |
| 2.93% | Range | 0.052456 |
| -3.53% | Minimum | -0.01697 |
| -2.78% | Maximum | 0.035485 |
| -0.71% | Sum | 0.061711 |
| 2.89% | Count | 26 |
| 4.49% | Largest(2) | 0.021709 |
| 7.17% | Smallest(2) | -0.01696 |
| -3.62% | Confidence Level(95.0%) | 0.005664 |
| 1.02% | | |
| -3.17% | Above Normal | |
| -2.80% | <i>Column1</i> | |
| 0.10% | | |
| -3.53% | Mean | -0.00308 |
| -4.03% | Standard Error | 0.002648 |
| -3.99% | Median | -0.00282 |
| 2.92% | Mode | #N/A |
| -3.43% | Standard Deviation | 0.008781 |
| 1.49% | Sample Variance | 7.71E-05 |
| -0.92% | Kurtosis | -1.68575 |
| 0.36% | Skewness | -0.12731 |
| -3.99% | Range | 0.024061 |
| 6.13% | Minimum | -0.01476 |
| -4.30% | Maximum | 0.009296 |
| 1.74% | Sum | -0.03388 |
| -3.39% | Count | 11 |
| -0.88% | Largest(2) | 0.005923 |
| -7.30% | Smallest(2) | -0.01289 |
| -3.04% | Confidence Level(95.0%) | 0.005899 |
| 1.15% | | |
| 1.52% | Below Normal | |
| -3.35% | <i>Column1</i> | |
| 0.45% | | |
| 1.15% | Mean | -0.00248 |
| -2.74% | Standard Error | 0.002473 |

| COS | |
|-------------------------|---------|
| Wet | |
| <i>Column1</i> | |
| Mean | 0.28954 |
| Standard Error | 0.0201 |
| Median | 0.24204 |
| Mode | #N/A |
| Standard Deviation | 0.1025 |
| Sample Variance | 0.01051 |
| Kurtosis | 0.42637 |
| Skewness | 1.27703 |
| Range | 0.3277 |
| Minimum | 0.19726 |
| Maximum | 0.52497 |
| Sum | 7.52811 |
| Count | 26 |
| Largest(2) | 0.52205 |
| Smallest(2) | 0.20421 |
| Confidence Level(95.0%) | 0.0414 |
| | |
| Above Normal | |
| <i>Column1</i> | |
| Mean | 0.30609 |
| Standard Error | 0.03942 |
| Median | 0.23997 |
| Mode | #N/A |
| Standard Deviation | 0.13074 |
| Sample Variance | 0.01709 |
| Kurtosis | -1.1167 |
| Skewness | 0.84571 |
| Range | 0.33889 |
| Minimum | 0.18923 |
| Maximum | 0.52812 |
| Sum | 3.36696 |
| Count | 11 |
| Largest(2) | 0.48148 |
| Smallest(2) | 0.19529 |
| Confidence Level(95.0%) | 0.08783 |
| | |
| Below Normal | |
| <i>Column1</i> | |
| Mean | 0.3036 |
| Standard Error | 0.03224 |

| | |
|--------------------------------|----------|
| -3.97% Median | -0.00567 |
| 3.20% Mode | #N/A |
| -3.67% Standard Deviation | 0.009252 |
| -3.22% Sample Variance | 8.56E-05 |
| -1.63% Kurtosis | -0.66182 |
| -4.65% Skewness | 0.625651 |
| 2.51% Range | 0.030161 |
| 0.60% Minimum | -0.01403 |
| -1.53% Maximum | 0.016133 |
| -2.05% Sum | -0.03469 |
| 5.45% Count | 14 |
| 8.25% Largest(2) | 0.009604 |
| -3.77% Smallest(2) | -0.01284 |
| -3.74% Confidence Level(95.0%) | 0.005342 |

6.40%

-3.75% Dry

7.14% Column1

-3.83%

| | |
|--------------------------------|----------|
| 5.85% Mean | -0.00515 |
| 4.93% Standard Error | 0.001855 |
| 5.91% Median | -0.00707 |
| 1.22% Mode | #N/A |
| 16.03% Standard Deviation | 0.00787 |
| -3.47% Sample Variance | 6.19E-05 |
| 2.19% Kurtosis | -1.15321 |
| -3.33% Skewness | -0.01581 |
| 6.15% Range | 0.026093 |
| 0.03% Minimum | -0.01927 |
| -4.10% Maximum | 0.006821 |
| 6.29% Sum | -0.09263 |
| 3.86% Count | 18 |
| -3.61% Largest(2) | 0.005144 |
| 5.25% Smallest(2) | -0.01639 |
| -2.00% Confidence Level(95.0%) | 0.003914 |

-3.56%

-2.51% Critical

Column1

| | |
|--------------------|----------|
| Mean | -0.00273 |
| Standard Error | 0.002632 |
| Median | -0.00391 |
| Mode | #N/A |
| Standard Deviation | 0.009117 |
| Sample Variance | 8.31E-05 |
| Kurtosis | 0.168955 |
| Skewness | 0.674921 |

| | |
|-------------------------|---------|
| Median | 0.25165 |
| Mode | #N/A |
| Standard Deviation | 0.12063 |
| Sample Variance | 0.01455 |
| Kurtosis | -0.5873 |
| Skewness | 1.05667 |
| Range | 0.3435 |
| Minimum | 0.17634 |
| Maximum | 0.51984 |
| Sum | 4.25047 |
| Count | 14 |
| Largest(2) | 0.50137 |
| Smallest(2) | 0.21379 |
| Confidence Level(95.0%) | 0.06965 |

Dry

Column1

| | |
|-------------------------|---------|
| Mean | 0.28898 |
| Standard Error | 0.02198 |
| Median | 0.25606 |
| Mode | #N/A |
| Standard Deviation | 0.09327 |
| Sample Variance | 0.0087 |
| Kurtosis | -1.1443 |
| Skewness | 0.61129 |
| Range | 0.28305 |
| Minimum | 0.18253 |
| Maximum | 0.46558 |
| Sum | 5.20169 |
| Count | 18 |
| Largest(2) | 0.42073 |
| Smallest(2) | 0.18855 |
| Confidence Level(95.0%) | 0.04638 |

Critical

Column1

| | |
|--------------------|---------|
| Mean | 0.28434 |
| Standard Error | 0.03069 |
| Median | 0.25004 |
| Mode | #N/A |
| Standard Deviation | 0.10632 |
| Sample Variance | 0.0113 |
| Kurtosis | 1.00041 |
| Skewness | 1.28854 |

| | |
|-------------------------|----------|
| Range | 0.031217 |
| Minimum | -0.0147 |
| Maximum | 0.016521 |
| Sum | -0.03281 |
| Count | 12 |
| Largest(2) | 0.006182 |
| Smallest(2) | -0.01298 |
| Confidence Level(95.0%) | 0.005793 |

| | |
|-------------------------|---------|
| Range | 0.34729 |
| Minimum | 0.17627 |
| Maximum | 0.52356 |
| Sum | 3.41204 |
| Count | 12 |
| Largest(2) | 0.43376 |
| Smallest(2) | 0.20326 |
| Confidence Level(95.0%) | 0.06755 |

PA
Wet

| <i>Column1</i> | |
|-------------------------|----------|
| Mean | 0.291916 |
| Standard Error | 0.018568 |
| Median | 0.253417 |
| Mode | #N/A |
| Standard Deviation | 0.094678 |
| Sample Variance | 0.008964 |
| Kurtosis | 0.856512 |
| Skewness | 1.386567 |
| Range | 0.315243 |
| Minimum | 0.209887 |
| Maximum | 0.525129 |
| Sum | 7.589822 |
| Count | 26 |
| Largest(2) | 0.511604 |
| Smallest(2) | 0.211127 |
| Confidence Level(95.0%) | 0.038241 |

% Relative Change

| <i>Column1</i> | |
|-------------------------|----------|
| Mean | 0.018173 |
| Standard Error | 0.010475 |
| Median | 0.01704 |
| Mode | #N/A |
| Standard Deviation | 0.053412 |
| Sample Variance | 0.002853 |
| Kurtosis | 0.000339 |
| Skewness | 0.615557 |
| Range | 0.201317 |
| Minimum | -0.04105 |
| Maximum | 0.160271 |
| Sum | 0.472511 |
| Count | 26 |
| Largest(2) | 0.082509 |
| Smallest(2) | -0.03826 |
| Confidence Level(95.0%) | 0.021574 |

Above Normal

| <i>Column1</i> | |
|-------------------------|----------|
| Mean | 0.303007 |
| Standard Error | 0.037054 |
| Median | 0.236958 |
| Mode | #N/A |
| Standard Deviation | 0.122895 |
| Sample Variance | 0.015103 |
| Kurtosis | -1.02328 |
| Skewness | 0.880031 |
| Range | 0.325433 |
| Minimum | 0.190021 |
| Maximum | 0.515454 |
| Sum | 3.333081 |
| Count | 11 |
| Largest(2) | 0.468595 |
| Smallest(2) | 0.198853 |
| Confidence Level(95.0%) | 0.082562 |

| <i>Column1</i> | |
|-------------------------|----------|
| Mean | -0.00187 |
| Standard Error | 0.008187 |
| Median | -0.01027 |
| Mode | #N/A |
| Standard Deviation | 0.027152 |
| Sample Variance | 0.000737 |
| Kurtosis | -1.34439 |
| Skewness | 0.364769 |
| Range | 0.078726 |
| Minimum | -0.03508 |
| Maximum | 0.043644 |
| Sum | -0.02052 |
| Count | 11 |
| Largest(2) | 0.028664 |
| Smallest(2) | -0.03094 |
| Confidence Level(95.0%) | 0.018241 |

Below Normal

| <i>Column1</i> | |
|----------------|----------|
| Mean | 0.301127 |
| Standard Error | 0.03129 |

| <i>Column1</i> | |
|----------------|----------|
| Mean | -0.00398 |
| Standard Error | 0.0096 |

| | |
|-------------------------|----------|
| Median | 0.244043 |
| Mode | #N/A |
| Standard Deviation | 0.117077 |
| Sample Variance | 0.013707 |
| Kurtosis | -0.46259 |
| Skewness | 1.123472 |
| Range | 0.334625 |
| Minimum | 0.181502 |
| Maximum | 0.516127 |
| Sum | 4.215781 |
| Count | 14 |
| Largest(2) | 0.494315 |
| Smallest(2) | 0.217011 |
| Confidence Level(95.0%) | 0.067598 |

| | |
|-------------------------|----------|
| Median | -0.01747 |
| Mode | #N/A |
| Standard Deviation | 0.035921 |
| Sample Variance | 0.00129 |
| Kurtosis | -0.39193 |
| Skewness | 0.840018 |
| Range | 0.112016 |
| Minimum | -0.04034 |
| Maximum | 0.071678 |
| Sum | -0.05577 |
| Count | 14 |
| Largest(2) | 0.04492 |
| Smallest(2) | -0.0362 |
| Confidence Level(95.0%) | 0.02074 |

Dry

| <i>Column1</i> | |
|-------------------------|----------|
| Mean | 0.283837 |
| Standard Error | 0.021158 |
| Median | 0.24187 |
| Mode | #N/A |
| Standard Deviation | 0.089764 |
| Sample Variance | 0.008058 |
| Kurtosis | -1.06817 |
| Skewness | 0.700536 |
| Range | 0.271409 |
| Minimum | 0.184629 |
| Maximum | 0.456038 |
| Sum | 5.109062 |
| Count | 18 |
| Largest(2) | 0.41387 |
| Smallest(2) | 0.189674 |
| Confidence Level(95.0%) | 0.044638 |

| <i>Column1</i> | |
|-------------------------|----------|
| Mean | -0.01477 |
| Standard Error | 0.00663 |
| Median | -0.01839 |
| Mode | #N/A |
| Standard Deviation | 0.028129 |
| Sample Variance | 0.000791 |
| Kurtosis | -0.55317 |
| Skewness | -0.08614 |
| Range | 0.105024 |
| Minimum | -0.07305 |
| Maximum | 0.031977 |
| Sum | -0.26577 |
| Count | 18 |
| Largest(2) | 0.025107 |
| Smallest(2) | -0.04646 |
| Confidence Level(95.0%) | 0.013988 |

Critical

| <i>Column1</i> | |
|--------------------|----------|
| Mean | 0.281603 |
| Standard Error | 0.029796 |
| Median | 0.24072 |
| Mode | #N/A |
| Standard Deviation | 0.103216 |
| Sample Variance | 0.010654 |
| Kurtosis | 1.25355 |
| Skewness | 1.324151 |

| <i>Column1</i> | |
|--------------------|----------|
| Mean | -0.00686 |
| Standard Error | 0.009574 |
| Median | -0.00898 |
| Mode | #N/A |
| Standard Deviation | 0.033165 |
| Sample Variance | 0.0011 |
| Kurtosis | -0.24685 |
| Skewness | 0.688954 |

| | |
|-------------------------|----------|
| Range | 0.342066 |
| Minimum | 0.176908 |
| Maximum | 0.518973 |
| Sum | 3.37923 |
| Count | 12 |
| Largest(2) | 0.419067 |
| Smallest(2) | 0.194526 |
| Confidence Level(95.0%) | 0.065581 |

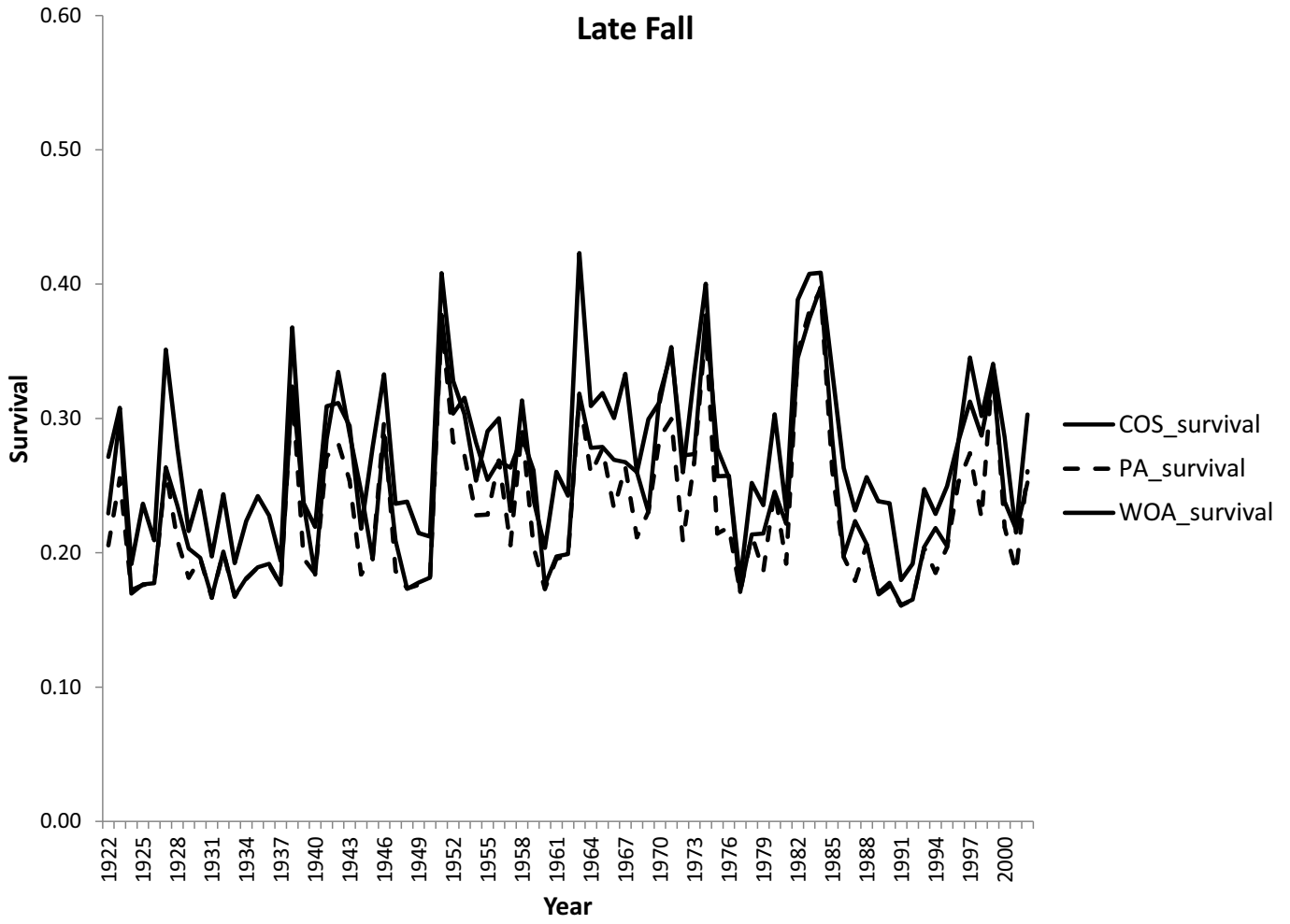
| | |
|-------------------------|----------|
| Range | 0.104312 |
| Minimum | -0.04298 |
| Maximum | 0.061328 |
| Sum | -0.08234 |
| Count | 12 |
| Largest(2) | 0.029193 |
| Smallest(2) | -0.03988 |
| Confidence Level(95.0%) | 0.021072 |

All

Column1

| | |
|-------------------------|----------|
| Mean | 0.000594 |
| Standard Error | 0.004553 |
| Median | -0.00919 |
| Mode | #N/A |
| Standard Deviation | 0.040976 |
| Sample Variance | 0.001679 |
| Kurtosis | 1.426847 |
| Skewness | 1.027397 |
| Range | 0.233318 |
| Minimum | -0.07305 |
| Maximum | 0.160271 |
| Sum | 0.048107 |
| Count | 81 |
| Largest(2) | 0.082509 |
| Smallest(2) | -0.04646 |
| Confidence Level(95.0%) | 0.009061 |

Late Fall



| Year | WY Type | COS_survival | COS_2.5th Percentile | COS_97.5th percentile |
|------|---------|--------------|----------------------|-----------------------|
| 1922 | AN | 0.229283191 | 0.2129355 | 0.2437975 |
| 1923 | BN | 0.300957872 | 0.283635 | 0.3156915 |
| 1924 | C | 0.16960383 | 0.1576115 | 0.1807575 |
| 1925 | D | 0.176388298 | 0.163732 | 0.1922075 |
| 1926 | D | 0.177313404 | 0.1605985 | 0.188579 |
| 1927 | W | 0.263659149 | 0.248552 | 0.2750495 |
| 1928 | AN | 0.235159362 | 0.2161345 | 0.250115 |
| 1929 | C | 0.203103404 | 0.1904265 | 0.2173865 |
| 1930 | D | 0.196297447 | 0.1805755 | 0.2198185 |
| 1931 | C | 0.167150213 | 0.152338 | 0.1826295 |
| 1932 | D | 0.200941702 | 0.18687 | 0.2161245 |
| 1933 | C | 0.167630851 | 0.153277 | 0.1807365 |
| 1934 | C | 0.181025106 | 0.1651015 | 0.1958335 |
| 1935 | BN | 0.189114255 | 0.176217 | 0.201804 |
| 1936 | BN | 0.191705106 | 0.1766905 | 0.205152 |
| 1937 | BN | 0.176096809 | 0.160906 | 0.1897505 |
| 1938 | W | 0.323792766 | 0.3108905 | 0.336634 |
| 1939 | D | 0.23635766 | 0.2244455 | 0.2487045 |
| 1940 | AN | 0.183768085 | 0.169107 | 0.1966605 |
| 1941 | W | 0.284585532 | 0.272024 | 0.300701 |
| 1942 | W | 0.334760638 | 0.3193325 | 0.350362 |
| 1943 | W | 0.288622128 | 0.27157 | 0.305185 |
| 1944 | D | 0.245746809 | 0.230847 | 0.2551335 |
| 1945 | BN | 0.194988723 | 0.179771 | 0.2084065 |
| 1946 | BN | 0.287416809 | 0.2708075 | 0.300569 |
| 1947 | D | 0.20898766 | 0.1949255 | 0.224541 |
| 1948 | BN | 0.17327 | 0.157281 | 0.190498 |
| 1949 | D | 0.177811489 | 0.16318 | 0.19101 |
| 1950 | BN | 0.181398936 | 0.1672805 | 0.1975345 |
| 1951 | AN | 0.377190638 | 0.360999 | 0.3939475 |
| 1952 | W | 0.303639149 | 0.293071 | 0.315211 |
| 1953 | W | 0.315487021 | 0.30043 | 0.3302995 |
| 1954 | AN | 0.282053617 | 0.2685515 | 0.302587 |
| 1955 | D | 0.254221915 | 0.2395525 | 0.268994 |
| 1956 | W | 0.268154894 | 0.2544375 | 0.283226 |
| 1957 | AN | 0.263277021 | 0.2507295 | 0.2798245 |
| 1958 | W | 0.286184255 | 0.271212 | 0.303234 |
| 1959 | BN | 0.261472553 | 0.2474125 | 0.2795455 |
| 1960 | D | 0.175862979 | 0.1620085 | 0.1875715 |
| 1961 | D | 0.197201915 | 0.18098 | 0.2130345 |
| 1962 | BN | 0.198984043 | 0.1882855 | 0.210659 |
| 1963 | W | 0.318614894 | 0.3043305 | 0.330303 |
| 1964 | D | 0.278135532 | 0.2651795 | 0.292182 |
| 1965 | W | 0.278866809 | 0.2670045 | 0.2928015 |
| 1966 | BN | 0.269180638 | 0.2570565 | 0.2880385 |

| | | | | |
|------|----|-------------|-----------|-----------|
| 1967 | W | 0.267454681 | 0.255233 | 0.284624 |
| 1968 | BN | 0.259972766 | 0.244584 | 0.2731045 |
| 1969 | W | 0.230207872 | 0.217713 | 0.2445955 |
| 1970 | W | 0.318280638 | 0.3044425 | 0.3314105 |
| 1971 | W | 0.349234894 | 0.3345925 | 0.36663 |
| 1972 | BN | 0.272475745 | 0.2544635 | 0.286382 |
| 1973 | AN | 0.273528511 | 0.258922 | 0.283941 |
| 1974 | W | 0.376772553 | 0.363126 | 0.394389 |
| 1975 | W | 0.277458085 | 0.2625625 | 0.2884525 |
| 1976 | C | 0.256099574 | 0.2421395 | 0.2697 |
| 1977 | C | 0.170750426 | 0.155916 | 0.184049 |
| 1978 | AN | 0.213592979 | 0.194228 | 0.2277745 |
| 1979 | BN | 0.214263617 | 0.19763 | 0.2279115 |
| 1980 | AN | 0.245479574 | 0.23393 | 0.2591145 |
| 1981 | D | 0.221517872 | 0.2087585 | 0.233567 |
| 1982 | W | 0.344950213 | 0.329372 | 0.362611 |
| 1983 | W | 0.374125745 | 0.3631145 | 0.388121 |
| 1984 | W | 0.397655106 | 0.383645 | 0.4116075 |
| 1985 | D | 0.285249362 | 0.272062 | 0.302788 |
| 1986 | W | 0.19791383 | 0.1848565 | 0.2128255 |
| 1987 | D | 0.22351 | 0.2066685 | 0.2357505 |
| 1988 | C | 0.206421064 | 0.1887455 | 0.2269595 |
| 1989 | D | 0.169901064 | 0.1593425 | 0.184545 |
| 1990 | C | 0.177674043 | 0.162533 | 0.186657 |
| 1991 | C | 0.16122383 | 0.1490355 | 0.1762305 |
| 1992 | C | 0.165084681 | 0.1485415 | 0.1807245 |
| 1993 | AN | 0.204346809 | 0.1918855 | 0.219038 |
| 1994 | C | 0.218352128 | 0.2053905 | 0.2310505 |
| 1995 | W | 0.204875745 | 0.1902215 | 0.216794 |
| 1996 | W | 0.284297021 | 0.2683875 | 0.295728 |
| 1997 | W | 0.345397234 | 0.3315895 | 0.358759 |
| 1998 | W | 0.301719787 | 0.2872565 | 0.3166525 |
| 1999 | W | 0.340732766 | 0.328034 | 0.3550905 |
| 2000 | AN | 0.286019362 | 0.2676985 | 0.301172 |
| 2001 | D | 0.215065745 | 0.20142 | 0.2289915 |
| 2002 | D | 0.252363191 | 0.237631 | 0.272907 |

| | PA_survival | PA_2.5th Percentile | PA_97.5th Percentile | |
|------|-------------|---------------------|----------------------|------|
| 1922 | 0.20546426 | 0.191339 | 0.22009 | 1922 |
| 1923 | 0.25534702 | 0.239914 | 0.269066 | 1923 |
| 1924 | 0.17219766 | 0.1605825 | 0.182046 | 1924 |
| 1925 | 0.17613979 | 0.163727 | 0.191939 | 1925 |
| 1926 | 0.17633043 | 0.1596045 | 0.189157 | 1926 |
| 1927 | 0.26138277 | 0.2466255 | 0.2723025 | 1927 |
| 1928 | 0.20917489 | 0.192979 | 0.2222685 | 1928 |
| 1929 | 0.18146085 | 0.1683955 | 0.1946975 | 1929 |
| 1930 | 0.19548957 | 0.1798675 | 0.219162 | 1930 |
| 1931 | 0.16640149 | 0.1511085 | 0.1819325 | 1931 |
| 1932 | 0.20039106 | 0.18626 | 0.215676 | 1932 |
| 1933 | 0.1672734 | 0.153117 | 0.1795265 | 1933 |
| 1934 | 0.1804066 | 0.164453 | 0.1952035 | 1934 |
| 1935 | 0.18914298 | 0.1762395 | 0.2018075 | 1935 |
| 1936 | 0.19095511 | 0.1760735 | 0.204251 | 1936 |
| 1937 | 0.17591936 | 0.1605525 | 0.1915 | 1937 |
| 1938 | 0.3230617 | 0.309913 | 0.3364925 | 1938 |
| 1939 | 0.19564213 | 0.184425 | 0.207715 | 1939 |
| 1940 | 0.1844766 | 0.170361 | 0.197267 | 1940 |
| 1941 | 0.27156468 | 0.258054 | 0.2856125 | 1941 |
| 1942 | 0.28152489 | 0.267561 | 0.295118 | 1942 |
| 1943 | 0.25390447 | 0.238141 | 0.2702985 | 1943 |
| 1944 | 0.18386851 | 0.168559 | 0.195078 | 1944 |
| 1945 | 0.19691426 | 0.1813655 | 0.210981 | 1945 |
| 1946 | 0.29708213 | 0.2802405 | 0.3109685 | 1946 |
| 1947 | 0.18641064 | 0.1725345 | 0.200583 | 1947 |
| 1948 | 0.17341255 | 0.1575335 | 0.190395 | 1948 |
| 1949 | 0.17618 | 0.161126 | 0.1894915 | 1949 |
| 1950 | 0.18055915 | 0.1670175 | 0.1964375 | 1950 |
| 1951 | 0.37222745 | 0.356386 | 0.388892 | 1951 |
| 1952 | 0.28258957 | 0.272159 | 0.293051 | 1952 |
| 1953 | 0.27266106 | 0.258602 | 0.2892895 | 1953 |
| 1954 | 0.22787511 | 0.2175745 | 0.2465495 | 1954 |
| 1955 | 0.22832447 | 0.2127565 | 0.2428355 | 1955 |
| 1956 | 0.26874426 | 0.2556835 | 0.2850705 | 1956 |
| 1957 | 0.20567255 | 0.19381 | 0.2207485 | 1957 |
| 1958 | 0.29256745 | 0.2779405 | 0.3098155 | 1958 |
| 1959 | 0.20412532 | 0.1878715 | 0.219031 | 1959 |
| 1960 | 0.17298362 | 0.1610975 | 0.185214 | 1960 |
| 1961 | 0.19561 | 0.179638 | 0.21232 | 1961 |
| 1962 | 0.19760426 | 0.1867295 | 0.2091825 | 1962 |
| 1963 | 0.31675936 | 0.3026795 | 0.328437 | 1963 |
| 1964 | 0.25871064 | 0.2446065 | 0.272106 | 1964 |
| 1965 | 0.2775166 | 0.264744 | 0.291138 | 1965 |
| 1966 | 0.2329534 | 0.2220775 | 0.250855 | 1966 |

| | | | | |
|------|------------|-----------|-----------|------|
| 1967 | 0.26395404 | 0.251057 | 0.279962 | 1967 |
| 1968 | 0.21153915 | 0.1984095 | 0.2259515 | 1968 |
| 1969 | 0.23057426 | 0.218513 | 0.245697 | 1969 |
| 1970 | 0.28590532 | 0.270293 | 0.2979415 | 1970 |
| 1971 | 0.29949809 | 0.2851585 | 0.3156215 | 1971 |
| 1972 | 0.20888234 | 0.1917465 | 0.2210505 | 1972 |
| 1973 | 0.26731809 | 0.2540975 | 0.276819 | 1973 |
| 1974 | 0.36602511 | 0.352567 | 0.382167 | 1974 |
| 1975 | 0.21422468 | 0.199345 | 0.2256015 | 1975 |
| 1976 | 0.21894596 | 0.2048485 | 0.232025 | 1976 |
| 1977 | 0.17069383 | 0.155111 | 0.1832415 | 1977 |
| 1978 | 0.21307553 | 0.1944205 | 0.22793 | 1978 |
| 1979 | 0.18625936 | 0.170676 | 0.1980335 | 1979 |
| 1980 | 0.24657149 | 0.233308 | 0.261032 | 1980 |
| 1981 | 0.19202468 | 0.1794935 | 0.20238 | 1981 |
| 1982 | 0.3490634 | 0.3334015 | 0.367363 | 1982 |
| 1983 | 0.3798517 | 0.3684795 | 0.3937615 | 1983 |
| 1984 | 0.39598638 | 0.382002 | 0.409945 | 1984 |
| 1985 | 0.26157 | 0.2499345 | 0.27655 | 1985 |
| 1986 | 0.19676915 | 0.183654 | 0.2118395 | 1986 |
| 1987 | 0.17919319 | 0.165607 | 0.1918125 | 1987 |
| 1988 | 0.20610979 | 0.188967 | 0.226323 | 1988 |
| 1989 | 0.16869468 | 0.1573575 | 0.1839485 | 1989 |
| 1990 | 0.17510234 | 0.160988 | 0.184166 | 1990 |
| 1991 | 0.16070787 | 0.149188 | 0.1757145 | 1991 |
| 1992 | 0.1648517 | 0.1486895 | 0.180602 | 1992 |
| 1993 | 0.20369404 | 0.191259 | 0.21824 | 1993 |
| 1994 | 0.18509809 | 0.170499 | 0.2015655 | 1994 |
| 1995 | 0.20409277 | 0.18947 | 0.2179995 | 1995 |
| 1996 | 0.25294064 | 0.2387295 | 0.263705 | 1996 |
| 1997 | 0.2739217 | 0.258358 | 0.2873275 | 1997 |
| 1998 | 0.22576532 | 0.2119155 | 0.2393875 | 1998 |
| 1999 | 0.34208319 | 0.329367 | 0.356517 | 1999 |
| 2000 | 0.21901915 | 0.1992055 | 0.2328995 | 2000 |
| 2001 | 0.18590936 | 0.1730235 | 0.199747 | 2001 |
| 2002 | 0.26069915 | 0.24589 | 0.280407 | 2002 |

| WOA_survival | WOA_2.5th Percentile | WOA_97.5th Percentile | All Years | PA-COS |
|--------------|----------------------|-----------------------|-----------|----------|
| 0.271401064 | 0.254215 | 0.293048 | | -0.02382 |
| 0.307907234 | 0.291188 | 0.323217 | | -0.04561 |
| 0.19155766 | 0.1758475 | 0.204703 | | 0.002594 |
| 0.236466809 | 0.2197865 | 0.254284 | | -0.00025 |
| 0.209394681 | 0.193099 | 0.223336 | | -0.00098 |
| 0.351236809 | 0.334407 | 0.364174 | | -0.00228 |
| 0.27802617 | 0.255645 | 0.2971415 | | -0.02598 |
| 0.216253191 | 0.1999575 | 0.2320275 | | -0.02164 |
| 0.246253404 | 0.2272135 | 0.269583 | | -0.00081 |
| 0.197279787 | 0.1819175 | 0.2135195 | | -0.00075 |
| 0.243462979 | 0.2280395 | 0.2625295 | | -0.00055 |
| 0.192280851 | 0.174041 | 0.20807 | | -0.00036 |
| 0.223563404 | 0.2016965 | 0.2395585 | | -0.00062 |
| 0.242084043 | 0.2229895 | 0.2648575 | | 2.87E-05 |
| 0.227795745 | 0.212608 | 0.242325 | | -0.00075 |
| 0.194028936 | 0.1785145 | 0.21616 | | -0.00018 |
| 0.367712553 | 0.350984 | 0.386965 | | -0.00073 |
| 0.236997234 | 0.225012 | 0.2509805 | | -0.04072 |
| 0.219273617 | 0.204385 | 0.236621 | | 0.000709 |
| 0.309120638 | 0.292653 | 0.3267715 | | -0.01302 |
| 0.311560213 | 0.296023 | 0.3271545 | | -0.05324 |
| 0.294464255 | 0.275015 | 0.312016 | | -0.03472 |
| 0.21789 | 0.199392 | 0.2335475 | | -0.06188 |
| 0.278865106 | 0.265266 | 0.2953345 | | 0.001926 |
| 0.332754894 | 0.3145485 | 0.3484 | | 0.009665 |
| 0.236519574 | 0.218701 | 0.2557625 | | -0.02258 |
| 0.238035319 | 0.220607 | 0.2550315 | | 0.000143 |
| 0.214603617 | 0.1986115 | 0.233932 | | -0.00163 |
| 0.212128936 | 0.1950835 | 0.2335885 | | -0.00084 |
| 0.408123404 | 0.390654 | 0.4277925 | | -0.00496 |
| 0.328087447 | 0.3152305 | 0.3413435 | | -0.02105 |
| 0.30327383 | 0.286777 | 0.3219115 | | -0.04283 |
| 0.253702553 | 0.241553 | 0.2727265 | | -0.05418 |
| 0.290567234 | 0.275064 | 0.309936 | | -0.0259 |
| 0.300106596 | 0.28602 | 0.3215635 | | 0.000589 |
| 0.231215957 | 0.219219 | 0.247718 | | -0.0576 |
| 0.313345745 | 0.297597 | 0.3330965 | | 0.006383 |
| 0.239444468 | 0.223609 | 0.2581855 | | -0.05735 |
| 0.203683404 | 0.185673 | 0.219688 | | -0.00288 |
| 0.260240213 | 0.2423895 | 0.2791825 | | -0.00159 |
| 0.242475106 | 0.2286365 | 0.2565495 | | -0.00138 |
| 0.423087021 | 0.406775 | 0.436594 | | -0.00186 |
| 0.309224255 | 0.2921525 | 0.324607 | | -0.01942 |
| 0.318957447 | 0.30609 | 0.334375 | | -0.00135 |
| 0.300351064 | 0.281791 | 0.3214995 | | -0.03623 |

| | | | |
|-------------|-----------|-----------|----------|
| 0.333098936 | 0.3150155 | 0.352817 | -0.0035 |
| 0.259853404 | 0.2441885 | 0.276665 | -0.04843 |
| 0.299388298 | 0.281949 | 0.3150335 | 0.000366 |
| 0.31232383 | 0.2972875 | 0.328419 | -0.03238 |
| 0.353149787 | 0.3359565 | 0.370433 | -0.04974 |
| 0.25989766 | 0.2412425 | 0.27604 | -0.06359 |
| 0.332912766 | 0.3185465 | 0.343507 | -0.00621 |
| 0.400320426 | 0.3837975 | 0.4193735 | -0.01075 |
| 0.256996809 | 0.240015 | 0.271436 | -0.06323 |
| 0.25738766 | 0.242034 | 0.272362 | -0.03715 |
| 0.179212766 | 0.1577835 | 0.1933575 | -5.7E-05 |
| 0.251952128 | 0.230402 | 0.268125 | -0.00052 |
| 0.235514681 | 0.2168505 | 0.2543725 | -0.028 |
| 0.302989362 | 0.2855945 | 0.3210655 | 0.001092 |
| 0.231726809 | 0.2190845 | 0.243275 | -0.02949 |
| 0.388378723 | 0.3705915 | 0.408015 | 0.004113 |
| 0.407688085 | 0.3936 | 0.42435 | 0.005726 |
| 0.40857766 | 0.392431 | 0.4248035 | -0.00167 |
| 0.33538617 | 0.321012 | 0.350262 | -0.02368 |
| 0.262932979 | 0.2456995 | 0.281221 | -0.00114 |
| 0.231511702 | 0.213831 | 0.2440915 | -0.04432 |
| 0.256264468 | 0.235403 | 0.2796465 | -0.00031 |
| 0.23839234 | 0.219619 | 0.258155 | -0.00121 |
| 0.236894468 | 0.221502 | 0.249256 | -0.00257 |
| 0.179755106 | 0.1639475 | 0.197128 | -0.00052 |
| 0.191786383 | 0.177706 | 0.2079205 | -0.00023 |
| 0.24727617 | 0.2310155 | 0.2656175 | -0.00065 |
| 0.228894894 | 0.211766 | 0.24608 | -0.03325 |
| 0.249565319 | 0.231499 | 0.263329 | -0.00078 |
| 0.283667447 | 0.26566 | 0.298767 | -0.03136 |
| 0.312589149 | 0.298711 | 0.3271705 | -0.07148 |
| 0.287282128 | 0.2688585 | 0.3031695 | -0.07595 |
| 0.330321064 | 0.314523 | 0.350361 | 0.00135 |
| 0.23799766 | 0.218329 | 0.257066 | -0.067 |
| 0.217828511 | 0.197289 | 0.2347365 | -0.02916 |
| 0.302929149 | 0.2846755 | 0.3258545 | 0.008336 |

| All Years | PA-COS | Year | WY Type |
|-----------|-------------------------|------|---------|
| | <i>Column1</i> | 1922 | AN |
| | | 1928 | AN |
| | Mean | 1940 | AN |
| | Standard Error | 1951 | AN |
| | Median | 1954 | AN |
| | Mode | 1957 | AN |
| | Standard Deviation | 1973 | AN |
| | Sample Variance | 1978 | AN |
| | Kurtosis | 1980 | AN |
| | Skewness | 1993 | AN |
| | Range | 2000 | AN |
| | Minimum | 1923 | BN |
| | Maximum | 1935 | BN |
| | Sum | 1936 | BN |
| | Count | 1937 | BN |
| | Largest(2) | 1945 | BN |
| | Smallest(2) | 1946 | BN |
| | Confidence Level(95.0%) | 1948 | BN |
| | | 1950 | BN |
| | COS | 1959 | BN |
| | <i>Column1</i> | 1962 | BN |
| | | 1966 | BN |
| | Mean | 1968 | BN |
| | Standard Error | 1972 | BN |
| | Median | 1979 | BN |
| | Mode | 1924 | C |
| | Standard Deviation | 1929 | C |
| | Sample Variance | 1931 | C |
| | Kurtosis | 1933 | C |
| | Skewness | 1934 | C |
| | Range | 1976 | C |
| | Minimum | 1977 | C |
| | Maximum | 1988 | C |
| | Sum | 1990 | C |
| | Count | 1991 | C |
| | Largest(2) | 1992 | C |
| | Smallest(2) | 1994 | C |
| | Confidence Level(95.0%) | 1925 | D |
| | | 1926 | D |
| | PA | 1930 | D |
| | <i>Column1</i> | 1932 | D |
| | | 1939 | D |
| | Mean | 1944 | D |
| | Standard Error | 1947 | D |
| | Median | 1949 | D |

| | | | |
|-------------------------|----------|------|---|
| Mode | #N/A | 1955 | D |
| Standard Deviation | 0.05697 | 1960 | D |
| Sample Variance | 0.003246 | 1961 | D |
| Kurtosis | 0.58384 | 1964 | D |
| Skewness | 1.098566 | 1981 | D |
| Range | 0.235279 | 1985 | D |
| Minimum | 0.160708 | 1987 | D |
| Maximum | 0.395986 | 1989 | D |
| Sum | 18.58162 | 2001 | D |
| Count | 81 | 2002 | D |
| Largest(2) | 0.379852 | 1927 | W |
| Smallest(2) | 0.164852 | 1938 | W |
| Confidence Level(95.0%) | 0.012597 | 1941 | W |
| | | 1942 | W |
| | | 1943 | W |
| | | 1952 | W |
| | | 1953 | W |
| | | 1956 | W |
| | | 1958 | W |
| | | 1963 | W |
| | | 1965 | W |
| | | 1967 | W |
| | | 1969 | W |
| | | 1970 | W |
| | | 1971 | W |
| | | 1974 | W |
| | | 1975 | W |
| | | 1982 | W |
| | | 1983 | W |
| | | 1984 | W |
| | | 1986 | W |
| | | 1995 | W |
| | | 1996 | W |
| | | 1997 | W |
| | | 1998 | W |
| | | 1999 | W |

| COS_survival | COS_2.5th Percentile | COS_97.5th percentile | PA_survival |
|--------------|----------------------|-----------------------|-------------|
| 0.229283191 | 0.2129355 | 0.2437975 | 0.20546426 |
| 0.235159362 | 0.2161345 | 0.250115 | 0.20917489 |
| 0.183768085 | 0.169107 | 0.1966605 | 0.1844766 |
| 0.377190638 | 0.360999 | 0.3939475 | 0.37222745 |
| 0.282053617 | 0.2685515 | 0.302587 | 0.22787511 |
| 0.263277021 | 0.2507295 | 0.2798245 | 0.20567255 |
| 0.273528511 | 0.258922 | 0.283941 | 0.26731809 |
| 0.213592979 | 0.194228 | 0.2277745 | 0.21307553 |
| 0.245479574 | 0.23393 | 0.2591145 | 0.24657149 |
| 0.204346809 | 0.1918855 | 0.219038 | 0.20369404 |
| 0.286019362 | 0.2676985 | 0.301172 | 0.21901915 |
| 0.300957872 | 0.283635 | 0.3156915 | 0.25534702 |
| 0.189114255 | 0.176217 | 0.201804 | 0.18914298 |
| 0.191705106 | 0.1766905 | 0.205152 | 0.19095511 |
| 0.176096809 | 0.160906 | 0.1897505 | 0.17591936 |
| 0.194988723 | 0.179771 | 0.2084065 | 0.19691426 |
| 0.287416809 | 0.2708075 | 0.300569 | 0.29708213 |
| 0.17327 | 0.157281 | 0.190498 | 0.17341255 |
| 0.181398936 | 0.1672805 | 0.1975345 | 0.18055915 |
| 0.261472553 | 0.2474125 | 0.2795455 | 0.20412532 |
| 0.198984043 | 0.1882855 | 0.210659 | 0.19760426 |
| 0.269180638 | 0.2570565 | 0.2880385 | 0.2329534 |
| 0.259972766 | 0.244584 | 0.2731045 | 0.21153915 |
| 0.272475745 | 0.2544635 | 0.286382 | 0.20888234 |
| 0.214263617 | 0.19763 | 0.2279115 | 0.18625936 |
| 0.16960383 | 0.1576115 | 0.1807575 | 0.17219766 |
| 0.203103404 | 0.1904265 | 0.2173865 | 0.18146085 |
| 0.167150213 | 0.152338 | 0.1826295 | 0.16640149 |
| 0.167630851 | 0.153277 | 0.1807365 | 0.1672734 |
| 0.181025106 | 0.1651015 | 0.1958335 | 0.1804066 |
| 0.256099574 | 0.2421395 | 0.2697 | 0.21894596 |
| 0.170750426 | 0.155916 | 0.184049 | 0.17069383 |
| 0.206421064 | 0.1887455 | 0.2269595 | 0.20610979 |
| 0.177674043 | 0.162533 | 0.186657 | 0.17510234 |
| 0.16122383 | 0.1490355 | 0.1762305 | 0.16070787 |
| 0.165084681 | 0.1485415 | 0.1807245 | 0.1648517 |
| 0.218352128 | 0.2053905 | 0.2310505 | 0.18509809 |
| 0.176388298 | 0.163732 | 0.1922075 | 0.17613979 |
| 0.177313404 | 0.1605985 | 0.188579 | 0.17633043 |
| 0.196297447 | 0.1805755 | 0.2198185 | 0.19548957 |
| 0.200941702 | 0.18687 | 0.2161245 | 0.20039106 |
| 0.23635766 | 0.2244455 | 0.2487045 | 0.19564213 |
| 0.245746809 | 0.230847 | 0.2551335 | 0.18386851 |
| 0.20898766 | 0.1949255 | 0.224541 | 0.18641064 |
| 0.177811489 | 0.16318 | 0.19101 | 0.17618 |

| | | | |
|-------------|-----------|-----------|------------|
| 0.254221915 | 0.2395525 | 0.268994 | 0.22832447 |
| 0.175862979 | 0.1620085 | 0.1875715 | 0.17298362 |
| 0.197201915 | 0.18098 | 0.2130345 | 0.19561 |
| 0.278135532 | 0.2651795 | 0.292182 | 0.25871064 |
| 0.221517872 | 0.2087585 | 0.233567 | 0.19202468 |
| 0.285249362 | 0.272062 | 0.302788 | 0.26157 |
| 0.22351 | 0.2066685 | 0.2357505 | 0.17919319 |
| 0.169901064 | 0.1593425 | 0.184545 | 0.16869468 |
| 0.215065745 | 0.20142 | 0.2289915 | 0.18590936 |
| 0.252363191 | 0.237631 | 0.272907 | 0.26069915 |
| 0.263659149 | 0.248552 | 0.2750495 | 0.26138277 |
| 0.323792766 | 0.3108905 | 0.336634 | 0.3230617 |
| 0.284585532 | 0.272024 | 0.300701 | 0.27156468 |
| 0.334760638 | 0.3193325 | 0.350362 | 0.28152489 |
| 0.288622128 | 0.27157 | 0.305185 | 0.25390447 |
| 0.303639149 | 0.293071 | 0.315211 | 0.28258957 |
| 0.315487021 | 0.30043 | 0.3302995 | 0.27266106 |
| 0.268154894 | 0.2544375 | 0.283226 | 0.26874426 |
| 0.286184255 | 0.271212 | 0.303234 | 0.29256745 |
| 0.318614894 | 0.3043305 | 0.330303 | 0.31675936 |
| 0.278866809 | 0.2670045 | 0.2928015 | 0.2775166 |
| 0.267454681 | 0.255233 | 0.284624 | 0.26395404 |
| 0.230207872 | 0.217713 | 0.2445955 | 0.23057426 |
| 0.318280638 | 0.3044425 | 0.3314105 | 0.28590532 |
| 0.349234894 | 0.3345925 | 0.36663 | 0.29949809 |
| 0.376772553 | 0.363126 | 0.394389 | 0.36602511 |
| 0.277458085 | 0.2625625 | 0.2884525 | 0.21422468 |
| 0.344950213 | 0.329372 | 0.362611 | 0.3490634 |
| 0.374125745 | 0.3631145 | 0.388121 | 0.3798517 |
| 0.397655106 | 0.383645 | 0.4116075 | 0.39598638 |
| 0.19791383 | 0.1848565 | 0.2128255 | 0.19676915 |
| 0.204875745 | 0.1902215 | 0.216794 | 0.20409277 |
| 0.284297021 | 0.2683875 | 0.295728 | 0.25294064 |
| 0.345397234 | 0.3315895 | 0.358759 | 0.2739217 |
| 0.301719787 | 0.2872565 | 0.3166525 | 0.22576532 |
| 0.340732766 | 0.328034 | 0.3550905 | 0.34208319 |

| PA_2.5th Percentile | PA_97.5th Percentile | PA-COS | % Relative |
|---------------------|----------------------|----------|------------|
| 0.191339 | 0.22009 | -0.02382 | -10.39% |
| 0.192979 | 0.2222685 | -0.02598 | -11.05% |
| 0.170361 | 0.197267 | 0.000709 | 0.39% |
| 0.356386 | 0.388892 | -0.00496 | -1.32% |
| 0.2175745 | 0.2465495 | -0.05418 | -19.21% |
| 0.19381 | 0.2207485 | -0.0576 | -21.88% |
| 0.2540975 | 0.276819 | -0.00621 | -2.27% |
| 0.1944205 | 0.22793 | -0.00052 | -0.24% |
| 0.233308 | 0.261032 | 0.001092 | 0.44% |
| 0.191259 | 0.21824 | -0.00065 | -0.32% |
| 0.1992055 | 0.2328995 | -0.067 | -23.43% |
| 0.239914 | 0.269066 | -0.04561 | -15.16% |
| 0.1762395 | 0.2018075 | 2.87E-05 | 0.02% |
| 0.1760735 | 0.204251 | -0.00075 | -0.39% |
| 0.1605525 | 0.1915 | -0.00018 | -0.10% |
| 0.1813655 | 0.210981 | 0.001926 | 0.99% |
| 0.2802405 | 0.3109685 | 0.009665 | 3.36% |
| 0.1575335 | 0.190395 | 0.000143 | 0.08% |
| 0.1670175 | 0.1964375 | -0.00084 | -0.46% |
| 0.1878715 | 0.219031 | -0.05735 | -21.93% |
| 0.1867295 | 0.2091825 | -0.00138 | -0.69% |
| 0.2220775 | 0.250855 | -0.03623 | -13.46% |
| 0.1984095 | 0.2259515 | -0.04843 | -18.63% |
| 0.1917465 | 0.2210505 | -0.06359 | -23.34% |
| 0.170676 | 0.1980335 | -0.028 | -13.07% |
| 0.1605825 | 0.182046 | 0.002594 | 1.53% |
| 0.1683955 | 0.1946975 | -0.02164 | -10.66% |
| 0.1511085 | 0.1819325 | -0.00075 | -0.45% |
| 0.153117 | 0.1795265 | -0.00036 | -0.21% |
| 0.164453 | 0.1952035 | -0.00062 | -0.34% |
| 0.2048485 | 0.232025 | -0.03715 | -14.51% |
| 0.155111 | 0.1832415 | -5.7E-05 | -0.03% |
| 0.188967 | 0.226323 | -0.00031 | -0.15% |
| 0.160988 | 0.184166 | -0.00257 | -1.45% |
| 0.149188 | 0.1757145 | -0.00052 | -0.32% |
| 0.1486895 | 0.180602 | -0.00023 | -0.14% |
| 0.170499 | 0.2015655 | -0.03325 | -15.23% |
| 0.163727 | 0.191939 | -0.00025 | -0.14% |
| 0.1596045 | 0.189157 | -0.00098 | -0.55% |
| 0.1798675 | 0.219162 | -0.00081 | -0.41% |
| 0.18626 | 0.215676 | -0.00055 | -0.27% |
| 0.184425 | 0.207715 | -0.04072 | -17.23% |
| 0.168559 | 0.195078 | -0.06188 | -25.18% |
| 0.1725345 | 0.200583 | -0.02258 | -10.80% |
| 0.161126 | 0.1894915 | -0.00163 | -0.92% |

| | | | |
|-----------|-----------|----------|---------|
| 0.2127565 | 0.2428355 | -0.0259 | -10.19% |
| 0.1610975 | 0.185214 | -0.00288 | -1.64% |
| 0.179638 | 0.21232 | -0.00159 | -0.81% |
| 0.2446065 | 0.272106 | -0.01942 | -6.98% |
| 0.1794935 | 0.20238 | -0.02949 | -13.31% |
| 0.2499345 | 0.27655 | -0.02368 | -8.30% |
| 0.165607 | 0.1918125 | -0.04432 | -19.83% |
| 0.1573575 | 0.1839485 | -0.00121 | -0.71% |
| 0.1730235 | 0.199747 | -0.02916 | -13.56% |
| 0.24589 | 0.280407 | 0.008336 | 3.30% |
| 0.2466255 | 0.2723025 | -0.00228 | -0.86% |
| 0.309913 | 0.3364925 | -0.00073 | -0.23% |
| 0.258054 | 0.2856125 | -0.01302 | -4.58% |
| 0.267561 | 0.295118 | -0.05324 | -15.90% |
| 0.238141 | 0.2702985 | -0.03472 | -12.03% |
| 0.272159 | 0.293051 | -0.02105 | -6.93% |
| 0.258602 | 0.2892895 | -0.04283 | -13.57% |
| 0.2556835 | 0.2850705 | 0.000589 | 0.22% |
| 0.2779405 | 0.3098155 | 0.006383 | 2.23% |
| 0.3026795 | 0.328437 | -0.00186 | -0.58% |
| 0.264744 | 0.291138 | -0.00135 | -0.48% |
| 0.251057 | 0.279962 | -0.0035 | -1.31% |
| 0.218513 | 0.245697 | 0.000366 | 0.16% |
| 0.270293 | 0.2979415 | -0.03238 | -10.17% |
| 0.2851585 | 0.3156215 | -0.04974 | -14.24% |
| 0.352567 | 0.382167 | -0.01075 | -2.85% |
| 0.199345 | 0.2256015 | -0.06323 | -22.79% |
| 0.3334015 | 0.367363 | 0.004113 | 1.19% |
| 0.3684795 | 0.3937615 | 0.005726 | 1.53% |
| 0.382002 | 0.409945 | -0.00167 | -0.42% |
| 0.183654 | 0.2118395 | -0.00114 | -0.58% |
| 0.18947 | 0.2179995 | -0.00078 | -0.38% |
| 0.2387295 | 0.263705 | -0.03136 | -11.03% |
| 0.258358 | 0.2873275 | -0.07148 | -20.69% |
| 0.2119155 | 0.2393875 | -0.07595 | -25.17% |
| 0.329367 | 0.356517 | 0.00135 | 0.40% |

PA-COS

Wet

| | <i>Column1</i> |
|-------------------------|----------------|
| Mean | -0.01902 |
| Standard Error | 0.005068 |
| Median | -0.00289 |
| Mode | #N/A |
| Standard Deviation | 0.025844 |
| Sample Variance | 0.000668 |
| Kurtosis | -0.33183 |
| Skewness | -0.99381 |
| Range | 0.082338 |
| Minimum | -0.07595 |
| Maximum | 0.006383 |
| Sum | -0.49451 |
| Count | 26 |
| Largest(2) | 0.005726 |
| Smallest(2) | -0.07148 |
| Confidence Level(95.0%) | 0.010439 |

Above Normal

| | <i>Column1</i> |
|-------------------------|----------------|
| Mean | -0.02174 |
| Standard Error | 0.007893 |
| Median | -0.00621 |
| Mode | #N/A |
| Standard Deviation | 0.026177 |
| Sample Variance | 0.000685 |
| Kurtosis | -1.03424 |
| Skewness | -0.83448 |
| Range | 0.068092 |
| Minimum | -0.067 |
| Maximum | 0.001092 |
| Sum | -0.23913 |
| Count | 11 |
| Largest(2) | 0.000709 |
| Smallest(2) | -0.0576 |
| Confidence Level(95.0%) | 0.017586 |

Below Normal

| | <i>Column1</i> |
|------|----------------|
| Mean | -0.01933 |

COS

Wet

| | <i>Column1</i> |
|-------------------------|----------------|
| Mean | 0.302979 |
| Standard Error | 0.009693 |
| Median | 0.302679 |
| Mode | #N/A |
| Standard Deviation | 0.049423 |
| Sample Variance | 0.002443 |
| Kurtosis | 0.005351 |
| Skewness | -0.2599 |
| Range | 0.199741 |
| Minimum | 0.197914 |
| Maximum | 0.397655 |
| Sum | 7.877443 |
| Count | 26 |
| Largest(2) | 0.376773 |
| Smallest(2) | 0.204876 |
| Confidence Level(95.0%) | 0.019962 |

Above Normal

| | <i>Column1</i> |
|-------------------------|----------------|
| Mean | 0.253973 |
| Standard Error | 0.015819 |
| Median | 0.24548 |
| Mode | #N/A |
| Standard Deviation | 0.052464 |
| Sample Variance | 0.002752 |
| Kurtosis | 2.266861 |
| Skewness | 1.166077 |
| Range | 0.193423 |
| Minimum | 0.183768 |
| Maximum | 0.377191 |
| Sum | 2.793699 |
| Count | 11 |
| Largest(2) | 0.286019 |
| Smallest(2) | 0.204347 |
| Confidence Level(95.0%) | 0.035246 |

Below Normal

| | <i>Column1</i> |
|------|----------------|
| Mean | 0.226521 |

| | |
|-------------------------|----------|
| Standard Error | 0.006924 |
| Median | -0.00111 |
| Mode | #N/A |
| Standard Deviation | 0.025908 |
| Sample Variance | 0.000671 |
| Kurtosis | -1.42888 |
| Skewness | -0.59774 |
| Range | 0.073259 |
| Minimum | -0.06359 |
| Maximum | 0.009665 |
| Sum | -0.2706 |
| Count | 14 |
| Largest(2) | 0.001926 |
| Smallest(2) | -0.05735 |
| Confidence Level(95.0%) | 0.014959 |

| | |
|-------------------------|----------|
| Standard Error | 0.012281 |
| Median | 0.206624 |
| Mode | #N/A |
| Standard Deviation | 0.045951 |
| Sample Variance | 0.002112 |
| Kurtosis | -1.68262 |
| Skewness | 0.345326 |
| Range | 0.127688 |
| Minimum | 0.17327 |
| Maximum | 0.300958 |
| Sum | 3.171298 |
| Count | 14 |
| Largest(2) | 0.287417 |
| Smallest(2) | 0.176097 |
| Confidence Level(95.0%) | 0.026532 |

Dry

Column1

| | |
|-------------------------|----------|
| Mean | -0.01659 |
| Standard Error | 0.00458 |
| Median | -0.01115 |
| Mode | #N/A |
| Standard Deviation | 0.019431 |
| Sample Variance | 0.000378 |
| Kurtosis | -0.06342 |
| Skewness | -0.80317 |
| Range | 0.070214 |
| Minimum | -0.06188 |
| Maximum | 0.008336 |
| Sum | -0.2987 |
| Count | 18 |
| Largest(2) | -0.00025 |
| Smallest(2) | -0.04432 |
| Confidence Level(95.0%) | 0.009663 |

Dry

Column1

| | |
|-------------------------|----------|
| Mean | 0.216271 |
| Standard Error | 0.008499 |
| Median | 0.212027 |
| Mode | #N/A |
| Standard Deviation | 0.036058 |
| Sample Variance | 0.0013 |
| Kurtosis | -0.80395 |
| Skewness | 0.475518 |
| Range | 0.115348 |
| Minimum | 0.169901 |
| Maximum | 0.285249 |
| Sum | 3.892874 |
| Count | 18 |
| Largest(2) | 0.278136 |
| Smallest(2) | 0.175863 |
| Confidence Level(95.0%) | 0.017931 |

Critical

Column1

| | |
|--------------------|----------|
| Mean | -0.00791 |
| Standard Error | 0.0041 |
| Median | -0.00057 |
| Mode | #N/A |
| Standard Deviation | 0.014204 |
| Sample Variance | 0.000202 |
| Kurtosis | 0.671305 |

Critical

Column1

| | |
|--------------------|----------|
| Mean | 0.18701 |
| Standard Error | 0.008256 |
| Median | 0.174212 |
| Mode | #N/A |
| Standard Deviation | 0.0286 |
| Sample Variance | 0.000818 |
| Kurtosis | 1.87826 |

| | |
|-------------------------|----------|
| Skewness | -1.50843 |
| Range | 0.039747 |
| Minimum | -0.03715 |
| Maximum | 0.002594 |
| Sum | -0.09487 |
| Count | 12 |
| Largest(2) | -5.7E-05 |
| Smallest(2) | -0.03325 |
| Confidence Level(95.0%) | 0.009025 |

| | |
|-------------------------|----------|
| Skewness | 1.486056 |
| Range | 0.094876 |
| Minimum | 0.161224 |
| Maximum | 0.2561 |
| Sum | 2.244119 |
| Count | 12 |
| Largest(2) | 0.218352 |
| Smallest(2) | 0.165085 |
| Confidence Level(95.0%) | 0.018171 |

PA

% Relative Change

Wet

| | <i>Column1</i> |
|-------------------------|----------------|
| Mean | 0.283959 |
| Standard Error | 0.010193 |
| Median | 0.275719 |
| Mode | #N/A |
| Standard Deviation | 0.051977 |
| Sample Variance | 0.002702 |
| Kurtosis | -0.16038 |
| Skewness | 0.452709 |
| Range | 0.199217 |
| Minimum | 0.196769 |
| Maximum | 0.395986 |
| Sum | 7.382933 |
| Count | 26 |
| Largest(2) | 0.379852 |
| Smallest(2) | 0.204093 |
| Confidence Level(95.0%) | 0.020994 |

| | <i>Column1</i> |
|-------------------------|----------------|
| Mean | -0.06119 |
| Standard Error | 0.016208 |
| Median | -0.01086 |
| Mode | #N/A |
| Standard Deviation | 0.082647 |
| Sample Variance | 0.00683 |
| Kurtosis | -0.16214 |
| Skewness | -1.0238 |
| Range | 0.274043 |
| Minimum | -0.25174 |
| Maximum | 0.022304 |
| Sum | -1.59083 |
| Count | 26 |
| Largest(2) | 0.015305 |
| Smallest(2) | -0.2279 |
| Confidence Level(95.0%) | 0.033382 |

Above Normal

| | <i>Column1</i> |
|-------------------------|----------------|
| Mean | 0.232234 |
| Standard Error | 0.015563 |
| Median | 0.213076 |
| Mode | #N/A |
| Standard Deviation | 0.051618 |
| Sample Variance | 0.002664 |
| Kurtosis | 5.981621 |
| Skewness | 2.308766 |
| Range | 0.187751 |
| Minimum | 0.184477 |
| Maximum | 0.372227 |
| Sum | 2.554569 |
| Count | 11 |
| Largest(2) | 0.267318 |
| Smallest(2) | 0.203694 |
| Confidence Level(95.0%) | 0.034678 |

| | <i>Column1</i> |
|-------------------------|----------------|
| Mean | -0.08115 |
| Standard Error | 0.028753 |
| Median | -0.0227 |
| Mode | #N/A |
| Standard Deviation | 0.095362 |
| Sample Variance | 0.009094 |
| Kurtosis | -1.33992 |
| Skewness | -0.68789 |
| Range | 0.238699 |
| Minimum | -0.23425 |
| Maximum | 0.004448 |
| Sum | -0.89269 |
| Count | 11 |
| Largest(2) | 0.003855 |
| Smallest(2) | -0.2188 |
| Confidence Level(95.0%) | 0.064065 |

Below Normal

| | <i>Column1</i> |
|------|----------------|
| Mean | 0.207193 |

| | <i>Column1</i> |
|------|----------------|
| Mean | -0.07342 |

| | |
|-------------------------|----------|
| Standard Error | 0.009123 |
| Median | 0.197259 |
| Mode | #N/A |
| Standard Deviation | 0.034135 |
| Sample Variance | 0.001165 |
| Kurtosis | 2.852375 |
| Skewness | 1.682822 |
| Range | 0.12367 |
| Minimum | 0.173413 |
| Maximum | 0.297082 |
| Sum | 2.900696 |
| Count | 14 |
| Largest(2) | 0.255347 |
| Smallest(2) | 0.175919 |
| Confidence Level(95.0%) | 0.019709 |

| | |
|-------------------------|----------|
| Standard Error | 0.025816 |
| Median | -0.00578 |
| Mode | #N/A |
| Standard Deviation | 0.096595 |
| Sample Variance | 0.009331 |
| Kurtosis | -1.5013 |
| Skewness | -0.55616 |
| Range | 0.267019 |
| Minimum | -0.23339 |
| Maximum | 0.033628 |
| Sum | -1.02786 |
| Count | 14 |
| Largest(2) | 0.009875 |
| Smallest(2) | -0.21932 |
| Confidence Level(95.0%) | 0.055772 |

Dry

| <i>Column1</i> | |
|-------------------------|----------|
| Mean | 0.199676 |
| Standard Error | 0.007305 |
| Median | 0.189218 |
| Mode | #N/A |
| Standard Deviation | 0.030992 |
| Sample Variance | 0.00096 |
| Kurtosis | 0.386267 |
| Skewness | 1.307133 |
| Range | 0.092875 |
| Minimum | 0.168695 |
| Maximum | 0.26157 |
| Sum | 3.594172 |
| Count | 18 |
| Largest(2) | 0.260699 |
| Smallest(2) | 0.172984 |
| Confidence Level(95.0%) | 0.015412 |

| <i>Column1</i> | |
|-------------------------|----------|
| Mean | -0.07085 |
| Standard Error | 0.019265 |
| Median | -0.04311 |
| Mode | #N/A |
| Standard Deviation | 0.081736 |
| Sample Variance | 0.006681 |
| Kurtosis | -0.36066 |
| Skewness | -0.77344 |
| Range | 0.284829 |
| Minimum | -0.2518 |
| Maximum | 0.033032 |
| Sum | -1.2753 |
| Count | 18 |
| Largest(2) | -0.00141 |
| Smallest(2) | -0.19828 |
| Confidence Level(95.0%) | 0.040646 |

Critical

| <i>Column1</i> | |
|--------------------|----------|
| Mean | 0.179104 |
| Standard Error | 0.005028 |
| Median | 0.17365 |
| Mode | #N/A |
| Standard Deviation | 0.017418 |
| Sample Variance | 0.000303 |
| Kurtosis | 1.551215 |

| <i>Column1</i> | |
|--------------------|----------|
| Mean | -0.03497 |
| Standard Error | 0.017714 |
| Median | -0.00331 |
| Mode | #N/A |
| Standard Deviation | 0.061362 |
| Sample Variance | 0.003765 |
| Kurtosis | 0.160402 |

| | |
|-------------------------|----------|
| Skewness | 1.431812 |
| Range | 0.058238 |
| Minimum | 0.160708 |
| Maximum | 0.218946 |
| Sum | 2.14925 |
| Count | 12 |
| Largest(2) | 0.20611 |
| Smallest(2) | 0.164852 |
| Confidence Level(95.0%) | 0.011067 |

| | |
|-------------------------|----------|
| Skewness | -1.387 |
| Range | 0.167589 |
| Minimum | -0.1523 |
| Maximum | 0.015293 |
| Sum | -0.41959 |
| Count | 12 |
| Largest(2) | -0.00033 |
| Smallest(2) | -0.14507 |
| Confidence Level(95.0%) | 0.038988 |

All

Column1

| | |
|-------------------------|----------|
| Mean | -0.06427 |
| Standard Error | 0.009243 |
| Median | -0.00918 |
| Mode | #N/A |
| Standard Deviation | 0.083189 |
| Sample Variance | 0.00692 |
| Kurtosis | -0.67208 |
| Skewness | -0.84235 |
| Range | 0.285425 |
| Minimum | -0.2518 |
| Maximum | 0.033628 |
| Sum | -5.20627 |
| Count | 81 |
| Largest(2) | 0.033032 |
| Smallest(2) | -0.25174 |
| Confidence Level(95.0%) | 0.018395 |