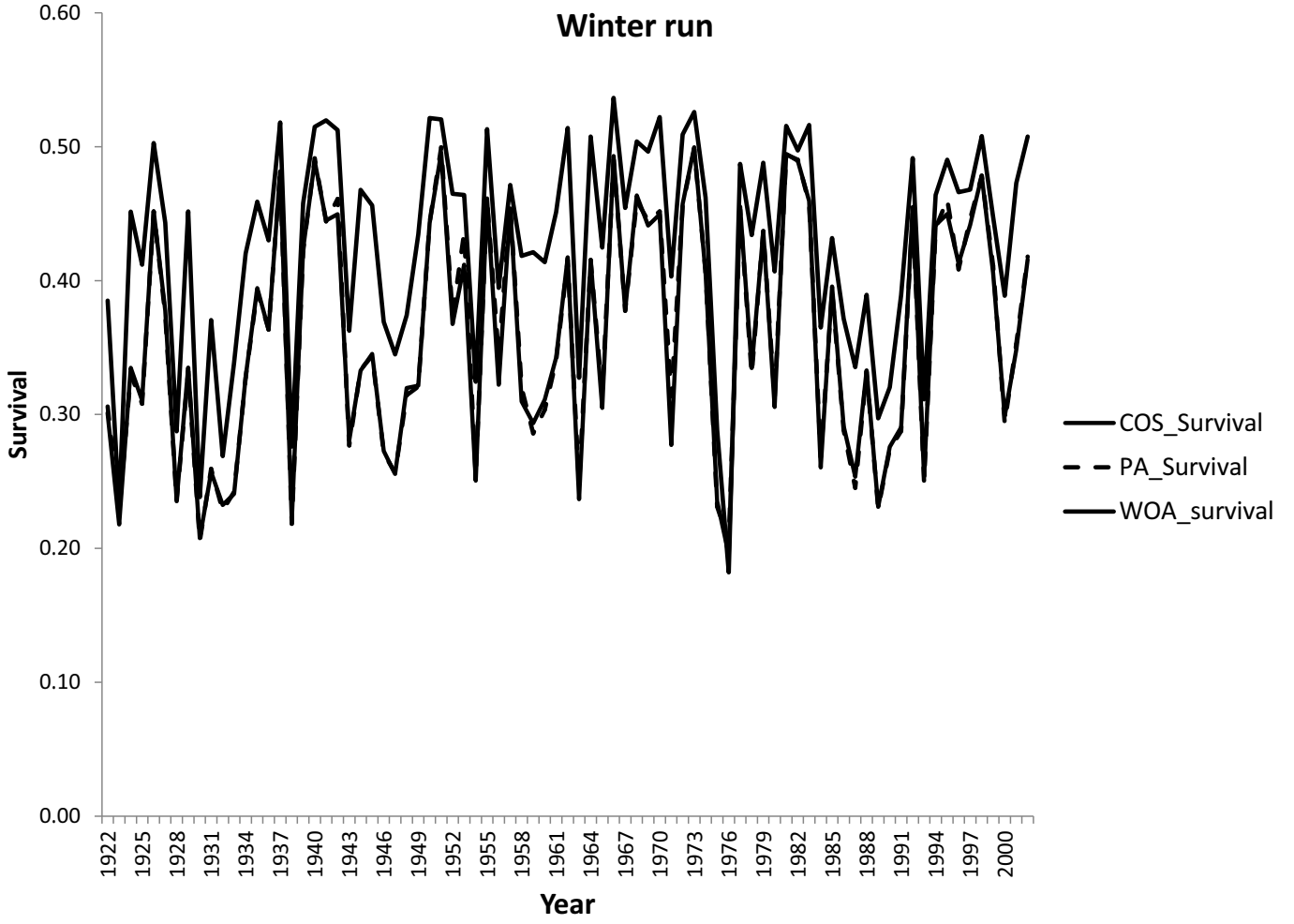


Winter run



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.

saving this workbook into a different file format will
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

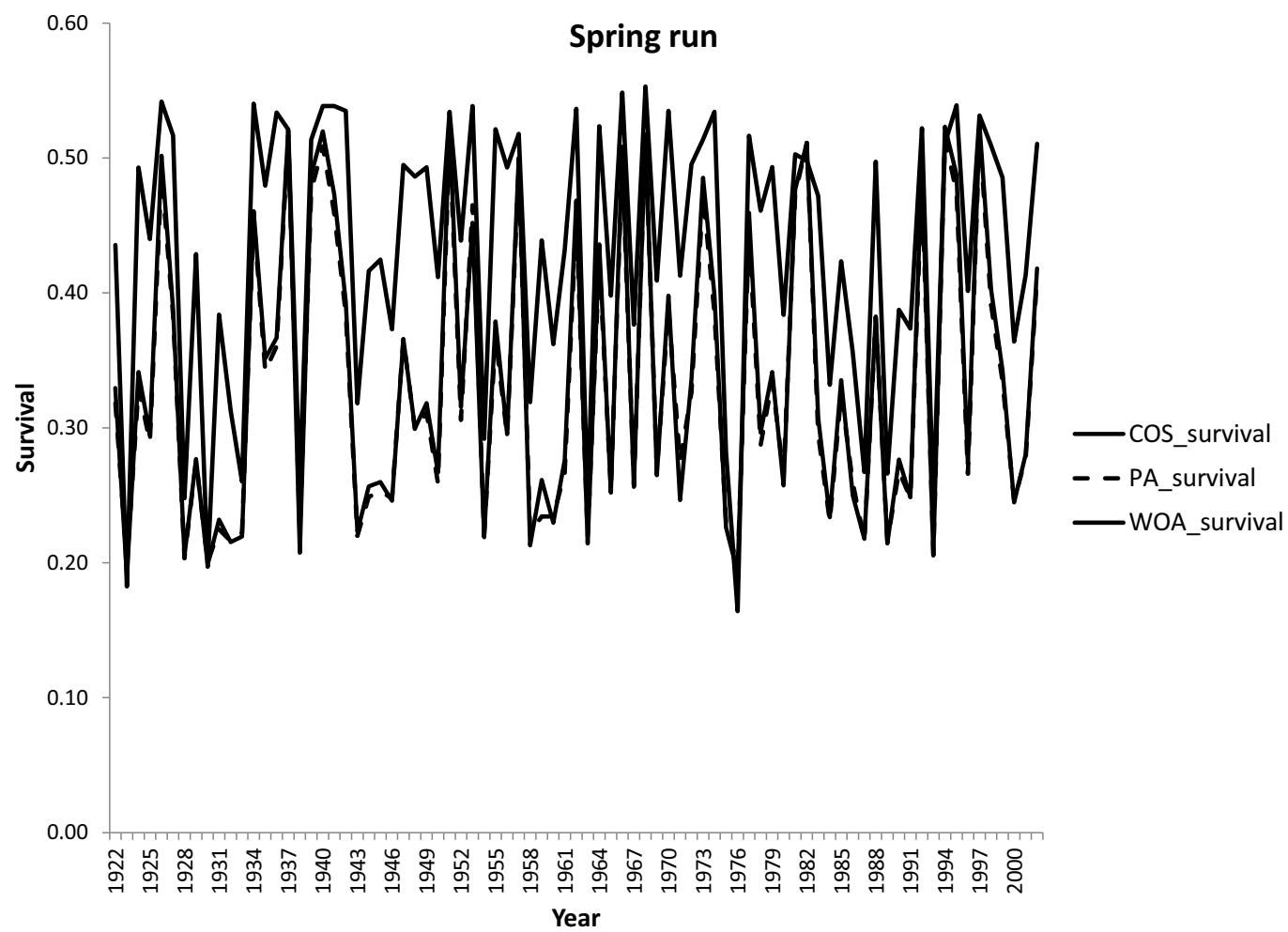
Range	0.064263
Minimum	-0.01434
Maximum	0.049927
Sum	0.007357
Count	12
Largest(2)	0.009763
Smallest(2)	-0.00937
Confidence Level(95.0%)	0.01072

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
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median		0.307468175	0.281022941	0.335386556
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PA-COS		-0.004087831		
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PA-COS		-0.009150917		
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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

Column1

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
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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

Column1

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

Column1

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

Column1

Mean	-0.01864
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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

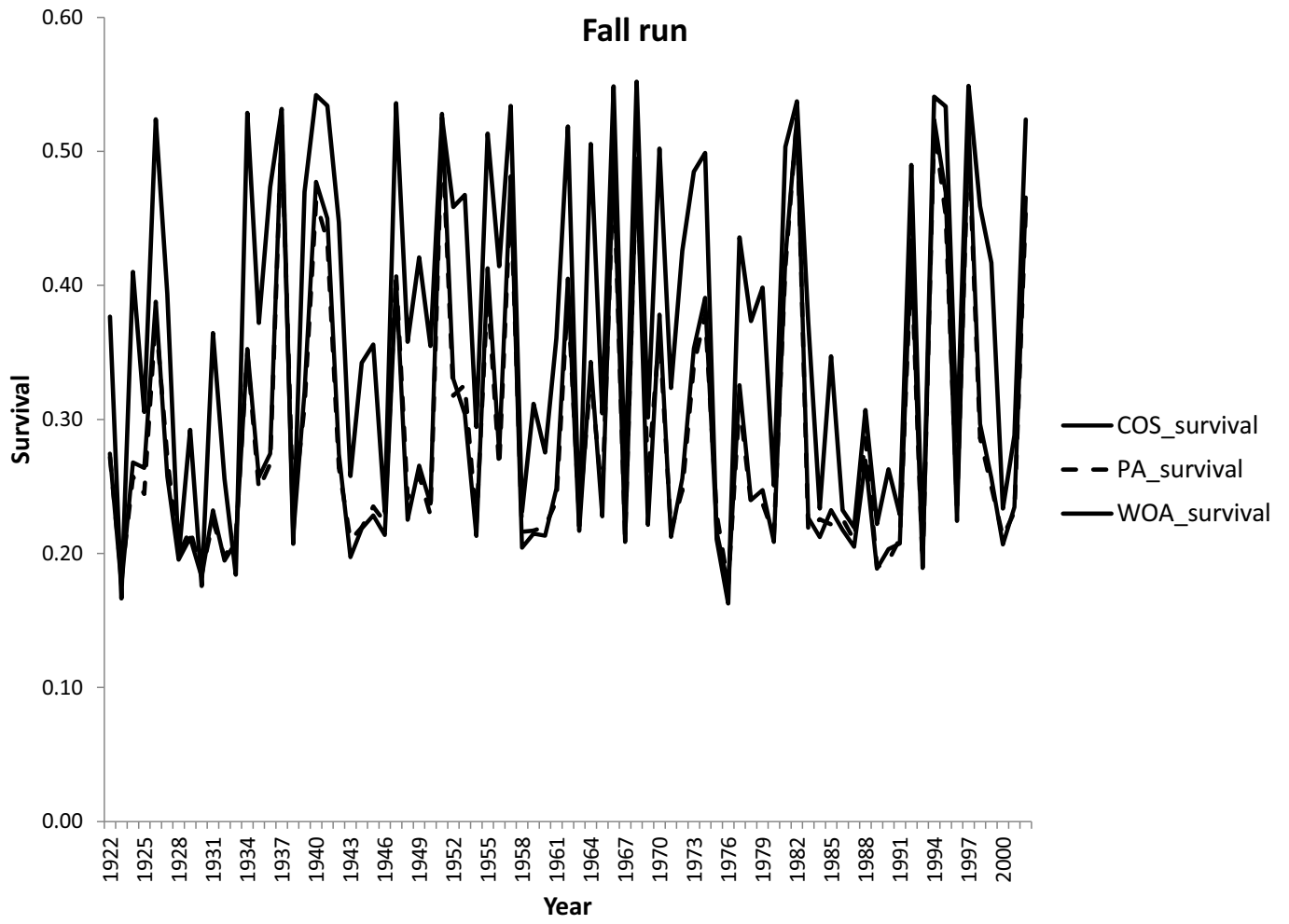
Mean	-0.01272
Standard Error	0.005485
Median	-0.01219
Mode	#N/A
Standard Deviation	0.019
Sample Variance	0.000361
Kurtosis	-0.81404

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

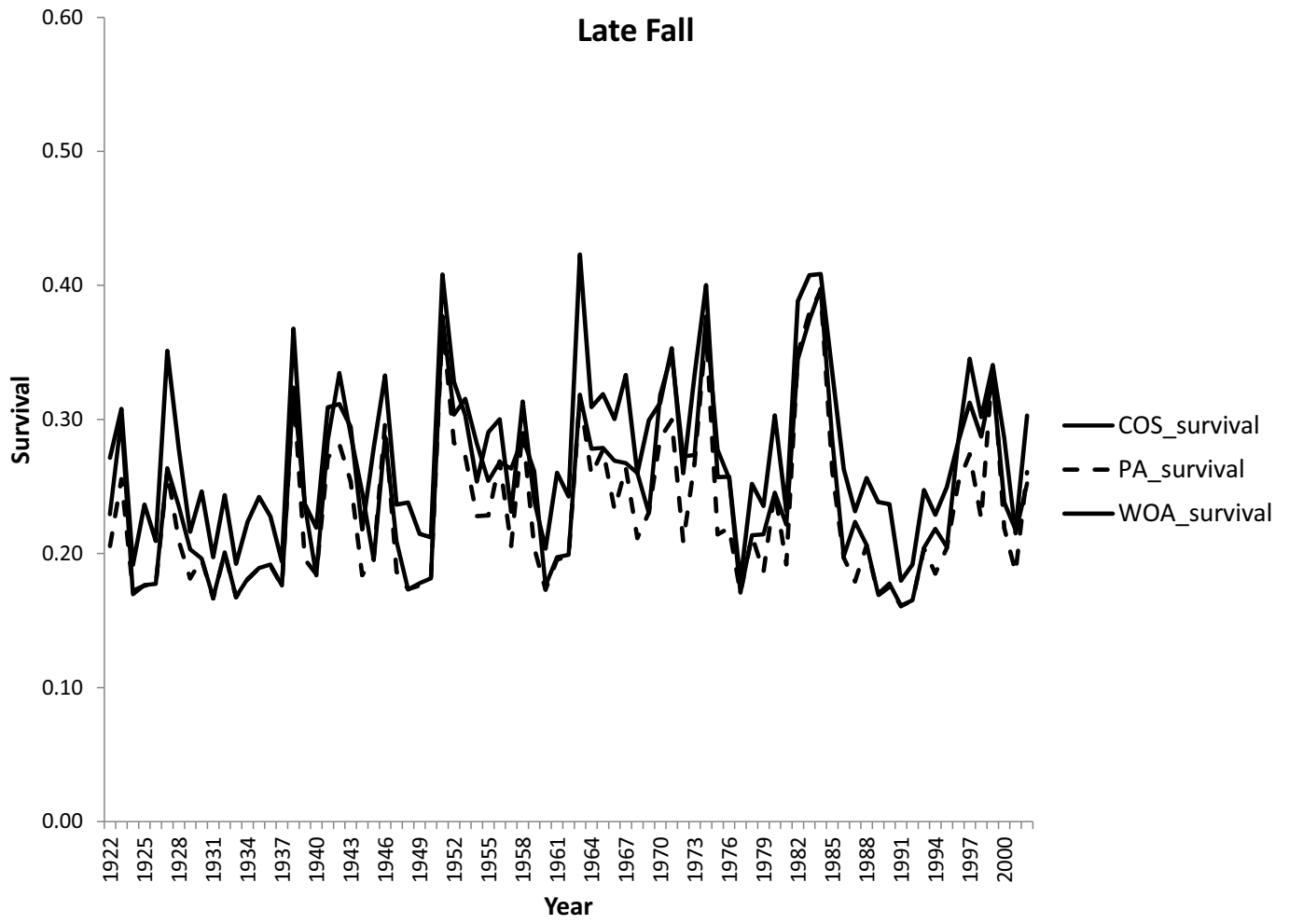
Range	0.104312
Minimum	-0.04298
Maximum	0.061328
Sum	-0.08234
Count	12
Largest(2)	0.029193
Smallest(2)	-0.03988
Confidence Level(95.0%)	0.021072

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