

Table 3.1(a) Critical values of \hat{C}_{pk} for $w=1.00, p = 0.90$.

n	$\delta = 0$	$\delta = 0.5$	$\delta = 1.0$	$\delta = 1.5$	$\delta = 2.0$
5	2.4309	2.2879	2.1880	2.1214	2.0777
10	1.6861	1.5690	1.5233	1.5079	1.5026
15	1.4928	1.3929	1.3702	1.3663	1.3655
20	1.3989	1.3115	1.2997	1.2986	1.2985
25	1.3419	1.2640	1.2576	1.2573	1.2573
30	1.3029	1.2324	1.2289	1.2288	1.2288
35	1.2742	1.2098	1.2077	1.2077	1.2077
40	1.2520	1.1925	1.1913	1.1913	1.1913
45	1.2342	1.1789	1.1781	1.1781	1.1781
50	1.2195	1.1677	1.1673	1.1673	1.1673
55	1.2072	1.1583	1.1581	1.1581	1.1581
60	1.1967	1.1504	1.1502	1.1502	1.1502
65	1.1876	1.1435	1.1434	1.1434	1.1434
70	1.1795	1.1374	1.1373	1.1373	1.1373
75	1.1724	1.1320	1.1320	1.1320	1.1320
80	1.1661	1.1272	1.1272	1.1272	1.1272
85	1.1603	1.1229	1.1229	1.1229	1.1229
90	1.1552	1.1190	1.1190	1.1190	1.1190
95	1.1504	1.1154	1.1154	1.1154	1.1154
100	1.1461	1.1121	1.1121	1.1121	1.1121
105	1.1421	1.1091	1.1091	1.1091	1.1091
110	1.1384	1.1063	1.1063	1.1063	1.1063
115	1.1349	1.1037	1.1037	1.1037	1.1037
120	1.1317	1.1013	1.1013	1.1013	1.1013
125	1.1287	1.0990	1.0990	1.0990	1.0990
130	1.1259	1.0969	1.0969	1.0969	1.0969
135	1.1233	1.0949	1.0949	1.0949	1.0949
140	1.1208	1.0930	1.0930	1.0930	1.0930
145	1.1185	1.0912	1.0912	1.0912	1.0912
150	1.1163	1.0895	1.0895	1.0895	1.0895
155	1.1142	1.0879	1.0879	1.0879	1.0879
160	1.1122	1.0864	1.0864	1.0864	1.0864

Table 3.1(b) Critical values of \hat{C}_{pk} for $w=1.00, p = 0.95$.

n	$\delta = 0$	$\delta = 0.5$	$\delta = 1.0$	$\delta = 1.5$	$\delta = 2.0$
5	2.9513	2.8054	2.6979	2.6219	2.5690
10	1.8769	1.7593	1.7123	1.6958	1.6899
15	1.6180	1.5196	1.4977	1.4938	1.4930
20	1.4956	1.4108	1.4001	1.3991	1.3990
25	1.4222	1.3477	1.3422	1.3419	1.3419
30	1.3725	1.3059	1.3029	1.3029	1.3029
35	1.3362	1.2758	1.2742	1.2742	1.2742
40	1.3083	1.2529	1.2520	1.2520	1.2520
45	1.2860	1.2347	1.2342	1.2342	1.2342
50	1.2677	1.2199	1.2195	1.2195	1.2195
55	1.2524	1.2074	1.2072	1.2072	1.2072
60	1.2393	1.1968	1.1967	1.1967	1.1967
65	1.2279	1.1876	1.1876	1.1876	1.1876
70	1.2180	1.1796	1.1795	1.1795	1.1795
75	1.2092	1.1725	1.1724	1.1724	1.1724
80	1.2014	1.1661	1.1661	1.1661	1.1661
85	1.1943	1.1604	1.1603	1.1603	1.1603
90	1.1879	1.1552	1.1552	1.1552	1.1552
95	1.1821	1.1504	1.1504	1.1504	1.1504
100	1.1767	1.1461	1.1461	1.1461	1.1461
105	1.1718	1.1421	1.1421	1.1421	1.1421
110	1.1673	1.1384	1.1384	1.1384	1.1384
115	1.1631	1.1349	1.1349	1.1349	1.1349
120	1.1592	1.1317	1.1317	1.1317	1.1317
125	1.1555	1.1287	1.1287	1.1287	1.1287
130	1.1521	1.1259	1.1259	1.1259	1.1259
135	1.1488	1.1233	1.1233	1.1233	1.1233
140	1.1458	1.1208	1.1208	1.1208	1.1208
145	1.1430	1.1185	1.1185	1.1185	1.1185
150	1.1403	1.1163	1.1163	1.1163	1.1163
155	1.1377	1.1142	1.1142	1.1142	1.1142
160	1.1353	1.1122	1.1122	1.1122	1.1122

Table 3.1(c) Critical values of \hat{C}_{pk} for $w= 1.00, p =0.99$.

n	$\delta = 0$	$\delta = 0.5$	$\delta = 1.0$	$\delta = 1.5$	$\delta = 2.0$
5	4.5278	4.3756	4.2514	4.1525	4.0748
10	2.3530	2.2315	2.1777	2.1564	2.1478
15	1.9116	1.8128	1.7898	1.7853	1.7843
20	1.7150	1.6323	1.6220	1.6209	1.6208
25	1.6010	1.5300	1.5251	1.5248	1.5248
30	1.5254	1.4631	1.4606	1.4606	1.4606
35	1.4709	1.4153	1.4141	1.4141	1.4141
40	1.4296	1.3792	1.3785	1.3785	1.3785
45	1.3968	1.3507	1.3503	1.3503	1.3503
50	1.3702	1.3275	1.3273	1.3273	1.3273
55	1.3480	1.3081	1.3080	1.3080	1.3080
60	1.3291	1.2917	1.2916	1.2916	1.2916
65	1.3128	1.2775	1.2775	1.2775	1.2775
70	1.2987	1.2651	1.2651	1.2651	1.2651
75	1.2861	1.2541	1.2541	1.2541	1.2541
80	1.2750	1.2444	1.2444	1.2444	1.2444
85	1.2650	1.2356	1.2356	1.2356	1.2356
90	1.2559	1.2277	1.2277	1.2277	1.2277
95	1.2477	1.2205	1.2205	1.2205	1.2205
100	1.2402	1.2139	1.2139	1.2139	1.2139
105	1.2333	1.2079	1.2079	1.2079	1.2079
110	1.2270	1.2023	1.2023	1.2023	1.2023
115	1.2211	1.1971	1.1971	1.1971	1.1971
120	1.2156	1.1923	1.1923	1.1923	1.1923
125	1.2105	1.1878	1.1878	1.1878	1.1878
130	1.2057	1.1836	1.1836	1.1836	1.1836
135	1.2012	1.1796	1.1796	1.1796	1.1796
140	1.1970	1.1759	1.1759	1.1759	1.1759
145	1.1931	1.1724	1.1724	1.1724	1.1724
150	1.1893	1.1691	1.1691	1.1691	1.1691
155	1.1858	1.1660	1.1660	1.1660	1.1660
160	1.1824	1.1630	1.1630	1.1630	1.1630

Table 3.2(a) Critical values of \hat{C}_{pk} for $w=1.33, p = 0.90$.

n	$\delta = 0$	$\delta = 0.5$	$\delta = 1.0$	$\delta = 1.5$	$\delta = 2.0$
5	3.1998	3.0514	2.9375	2.8528	2.7912
10	2.2194	2.0920	2.0280	1.9996	1.9874
15	1.9668	1.8540	1.8159	1.8057	1.8030
20	1.8446	1.7430	1.7195	1.7157	1.7150
25	1.7704	1.6778	1.6630	1.6615	1.6614
30	1.7198	1.6346	1.6251	1.6244	1.6244
35	1.6826	1.6036	1.5974	1.5971	1.5971
40	1.6539	1.5802	1.5760	1.5759	1.5759
45	1.6309	1.5617	1.5589	1.5589	1.5589
50	1.6120	1.5468	1.5448	1.5448	1.5448
55	1.5961	1.5343	1.5330	1.5330	1.5330
60	1.5825	1.5237	1.5228	1.5228	1.5228
65	1.5707	1.5146	1.5135	1.5135	1.5135
70	1.5604	1.5067	1.5062	1.5062	1.5062
75	1.5512	1.4997	1.4993	1.4993	1.4993
80	1.5430	1.4934	1.4931	1.4931	1.4931
85	1.5356	1.4872	1.4870	1.4870	1.4870
90	1.5289	1.4827	1.4825	1.4825	1.4825
95	1.5228	1.4780	1.4779	1.4779	1.4779
100	1.5172	1.4738	1.4737	1.4737	1.4737
105	1.5121	1.4699	1.4698	1.4698	1.4698
110	1.5073	1.4662	1.4662	1.4662	1.4662
115	1.5029	1.4629	1.4629	1.4629	1.4629
120	1.4988	1.4598	1.4598	1.4598	1.4598
125	1.4950	1.4568	1.4568	1.4568	1.4568
130	1.4914	1.4541	1.4541	1.4541	1.4541
135	1.4880	1.4515	1.4515	1.4515	1.4515
140	1.4848	1.4491	1.4491	1.4491	1.4491
145	1.4818	1.4468	1.4468	1.4468	1.4468
150	1.4789	1.4447	1.4447	1.4447	1.4447
155	1.4762	1.4444	1.4444	1.4444	1.4444
160	1.4737	1.4443	1.4443	1.4443	1.4443

Table 3.2(b) Critical values of \hat{C}_{pk} for $w=1.33, p = 0.95$.

n	$\delta = 0$	$\delta = 0.5$	$\delta = 1.0$	$\delta = 1.5$	$\delta = 2.0$
5	3.8811	3.7304	3.6101	3.5167	3.4454
10	2.4674	2.3395	2.2742	2.4445	2.2312
15	2.1290	2.0175	1.9806	1.9706	1.9679
20	1.9695	1.8705	1.8488	1.8453	1.8447
25	1.8741	1.7850	1.7719	1.7706	1.7704
30	1.8096	1.7285	1.7203	1.7198	1.7198
35	1.7626	1.6880	1.6828	1.6826	1.6826
40	1.7264	1.6573	1.6540	1.6539	1.6539
45	1.6976	1.6331	1.6309	1.6309	1.6309
50	1.6739	1.6135	1.6120	1.6120	1.6120
55	1.6541	1.5971	1.5961	1.5961	1.5961
60	1.6372	1.5832	1.5825	1.5825	1.5825
65	1.6226	1.5712	1.5707	1.5707	1.5707
70	1.6098	1.5607	1.5604	1.5604	1.5604
75	1.5985	1.5514	1.5512	1.5512	1.5512
80	1.5883	1.5432	1.5430	1.5430	1.5430
85	1.5792	1.5357	1.5356	1.5356	1.5356
90	1.5710	1.5290	1.5289	1.5289	1.5289
95	1.5635	1.5229	1.5228	1.5228	1.5228
100	1.5566	1.5173	1.5172	1.5172	1.5172
105	1.5503	1.5121	1.5121	1.5121	1.5121
110	1.5444	1.5074	1.5074	1.5074	1.5074
115	1.5390	1.5029	1.5029	1.5029	1.5029
120	1.5340	1.4988	1.4988	1.4988	1.4988
125	1.5293	1.4950	1.4950	1.4950	1.4950
130	1.5249	1.4914	1.4914	1.4914	1.4914
135	1.5207	1.4880	1.4880	1.4880	1.4880
140	1.5168	1.4848	1.4848	1.4848	1.4848
145	1.5132	1.4818	1.4818	1.4818	1.4818
150	1.5097	1.4789	1.4789	1.4789	1.4789
155	1.5064	1.4762	1.4762	1.4762	1.4762
160	1.5033	1.4736	1.4736	1.4736	1.4736

Table 3.2(c) Critical values of \hat{C}_{pk} for $w=1.33, p = 0.99$.

n	$\delta = 0$	$\delta = 0.5$	$\delta = 1.0$	$\delta = 1.5$	$\delta = 2.0$
5	5.9473	5.7917	5.6579	5.5444	5.4495
10	3.0871	2.9560	2.8838	2.8476	2.8299
15	2.5099	2.3981	2.3600	2.3489	2.3457
20	2.2536	2.1565	2.1358	2.1323	2.1316
25	2.1053	2.0197	2.0080	2.0069	2.0067
30	2.0071	1.9305	1.9238	1.9234	1.9233
35	1.9365	1.8672	1.8632	1.8630	1.8630
40	1.8828	1.8195	1.8170	1.8170	1.8170
45	1.8405	1.7820	1.7805	1.7805	1.7805
50	1.8060	1.7516	1.7507	1.7507	1.7507
55	1.7773	1.7264	1.7258	1.7258	1.7258
60	1.7529	1.7050	1.7046	1.7046	1.7046
65	1.7319	1.6866	1.6863	1.6863	1.6863
70	1.7136	1.6705	1.6703	1.6703	1.6703
75	1.6974	1.6563	1.6562	1.6562	1.6562
80	1.6830	1.6437	1.6437	1.6437	1.6437
85	1.6701	1.6324	1.6324	1.6324	1.6324
90	1.6585	1.6222	1.6222	1.6222	1.6222
95	1.6479	1.6129	1.6129	1.6129	1.6129
100	1.6382	1.6044	1.6044	1.6044	1.6044
105	1.6293	1.5966	1.5966	1.5966	1.5966
110	1.6211	1.5894	1.5894	1.5894	1.5894
115	1.6135	1.5827	1.5827	1.5827	1.5827
120	1.6065	1.5765	1.5765	1.5765	1.5765
125	1.5999	1.5707	1.5707	1.5707	1.5707
130	1.5937	1.5653	1.5653	1.5653	1.5653
135	1.5880	1.5602	1.5602	1.5602	1.5602
140	1.5826	1.5554	1.5554	1.5554	1.5554
145	1.5775	1.5509	1.5509	1.5509	1.5509
150	1.5726	1.5467	1.5467	1.5467	1.5467
155	1.5681	1.5426	1.5426	1.5426	1.5426
160	1.5638	1.5388	1.5388	1.5388	1.5388

Table 3.3(a) Critical values of \hat{C}_{pk} for $w=1.50, p = 0.90$.

n	$\delta = 0$	$\delta = 0.5$	$\delta = 1.0$	$\delta = 1.5$	$\delta = 2.0$
5	3.5982	3.4478	3.3286	3.2367	3.1670
10	2.4957	2.3644	2.2924	2.2570	2.2404
15	2.2122	2.0944	2.0485	2.0341	2.0298
20	2.0752	1.9679	1.9378	1.9317	1.9305
25	1.9921	1.8934	1.8733	1.8706	1.8703
30	1.9354	1.8439	1.8302	1.8290	1.8289
35	1.8938	1.8083	1.7989	1.7983	1.7983
40	1.8617	1.7815	1.7748	1.7746	1.7746
45	1.8360	1.7603	1.7557	1.7555	1.7555
50	1.8148	1.7432	1.7398	1.7398	1.7398
55	1.7970	1.7290	1.7266	1.7266	1.7266
60	1.7818	1.7170	1.7152	1.7152	1.7152
65	1.7687	1.7066	1.7053	1.7053	1.7053
70	1.7571	1.6976	1.6967	1.6967	1.6967
75	1.7469	1.6897	1.6889	1.6889	1.6889
80	1.7377	1.6826	1.6821	1.6821	1.6821
85	1.7295	1.6763	1.6760	1.6760	1.6760
90	1.7220	1.6705	1.6702	1.6702	1.6702
95	1.7152	1.6653	1.6651	1.6651	1.6651
100	1.7089	1.6605	1.6603	1.6603	1.6603
105	1.7032	1.6561	1.6560	1.6560	1.6560
110	1.6978	1.6521	1.6520	1.6520	1.6520
115	1.6929	1.6483	1.6482	1.6482	1.6482
120	1.6883	1.6448	1.6447	1.6447	1.6447
125	1.6840	1.6415	1.6414	1.6414	1.6414
130	1.6800	1.6385	1.6384	1.6384	1.6384
135	1.6762	1.6356	1.6356	1.6356	1.6356
140	1.6727	1.6385	1.6385	1.6385	1.6385
145	1.6693	1.6303	1.6303	1.6303	1.6303
150	1.6661	1.6279	1.6279	1.6279	1.6279
155	1.6631	1.6257	1.6257	1.6257	1.6257
160	1.6603	1.6237	1.6237	1.6237	1.6237

Table 3.3(b) Critical values of \hat{C}_{pk} for $w=1.50, p = 0.95$.

n	$\delta = 0$	$\delta = 0.5$	$\delta = 1.0$	$\delta = 1.5$	$\delta = 2.0$
5	4.3631	4.2106	4.0856	3.9853	3.9062
10	2.7735	2.6417	2.5685	2.5317	2.5139
15	2.3937	2.2771	2.2326	2.2186	2.2143
20	2.2149	2.1100	2.0822	2.0766	2.0755
25	2.1080	2.0127	1.9948	1.9925	1.9922
30	2.0358	1.9483	1.9365	1.9355	1.9354
35	1.9831	1.9021	1.8943	1.8938	1.8938
40	1.9427	1.8072	1.8619	1.8617	1.8617
45	1.9104	1.8397	1.8361	1.8360	1.8360
50	1.8840	1.8174	1.8144	1.8148	1.8148
55	1.8619	1.7989	1.7971	1.7970	1.7970
60	1.8430	1.7831	1.7819	1.7818	1.7818
65	1.8266	1.7696	1.7687	1.7687	1.7687
70	1.8123	1.7578	1.7571	1.7571	1.7571
75	1.7996	1.7473	1.7469	1.7469	1.7469
80	1.7883	1.7381	1.7377	1.7377	1.7377
85	1.7781	1.7298	1.7295	1.7295	1.7295
90	1.7689	1.7222	1.7220	1.7220	1.7220
95	1.7605	1.7153	1.7152	1.7152	1.7152
100	1.7090	1.7090	1.7089	1.7089	1.7089
105	1.7458	1.7032	1.7032	1.7032	1.7032
110	1.7393	1.6979	1.6978	1.6978	1.6978
115	1.7332	1.6930	1.6930	1.6930	1.6930
120	1.7276	1.6883	1.6883	1.6883	1.6883
125	1.7223	1.6840	1.6840	1.6840	1.6840
130	1.7174	1.6800	1.6800	1.6800	1.6800
135	1.7128	1.6762	1.6762	1.6762	1.6762
140	1.7084	1.6727	1.6727	1.6727	1.6727
145	1.7043	1.6693	1.6693	1.6693	1.6693
150	1.7004	1.6661	1.6661	1.6661	1.6661
155	1.6968	1.6631	1.6631	1.6631	1.6631
160	1.6933	1.6602	1.6602	1.6602	1.6602

Table 3.3(c) Critical values of \hat{C}_{pk} for $w=1.50, p = 0.99$.

n	$\delta = 0$	$\delta = 0.5$	$\delta = 1.0$	$\delta = 1.5$	$\delta = 2.0$
5	6.6836	6.5267	6.3895	6.2708	6.1689
10	3.4681	3.3333	3.2534	3.2098	3.1867
15	2.8203	2.7033	2.6576	2.6424	2.6374
20	2.5328	2.4298	2.4032	2.3977	2.3965
25	2.3666	2.2747	2.2588	2.2567	2.2564
30	2.2566	2.1737	2.1639	2.1630	2.1630
35	2.1775	2.1020	2.0958	2.0954	2.0954
40	2.1175	2.0480	2.0441	2.0439	2.0439
45	2.0701	2.0057	2.0031	2.0031	2.0031
50	2.0315	1.9714	1.9697	1.9697	1.9697
55	1.9994	1.9430	1.9419	1.9419	1.9419
60	1.9721	1.9190	1.9182	1.9182	1.9182
65	1.9487	1.8983	1.8977	1.8977	1.8977
70	1.9282	1.8803	1.8799	1.8799	1.8799
75	1.9101	1.8644	1.8641	1.8641	1.8641
80	1.8940	1.8504	1.8501	1.8501	1.8501
85	1.8796	1.8377	1.8375	1.8375	1.8375
90	1.8666	1.8261	1.8260	1.8260	1.8260
95	1.8547	1.8157	1.8157	1.8157	1.8157
100	1.8439	1.8062	1.8062	1.8062	1.8062
105	1.8340	1.7975	1.7975	1.7975	1.7975
110	1.8248	1.7894	1.7894	1.7894	1.7894
115	1.8164	1.7819	1.7819	1.7819	1.7819
120	1.8085	1.7750	1.7750	1.7750	1.7750
125	1.8011	1.7685	1.7685	1.7685	1.7685
130	1.7943	1.7625	1.7625	1.7625	1.7625
135	1.7878	1.7568	1.7568	1.7568	1.7568
140	1.7819	1.7515	1.7515	1.7515	1.7515
145	1.7761	1.7465	1.7465	1.7465	1.7465
150	1.7707	1.7417	1.7417	1.7417	1.7417
155	1.7656	1.7372	1.7372	1.7372	1.7372
160	1.7608	1.7330	1.7330	1.7330	1.7330

Table 3.4(a) Critical values of \hat{C}_{pk} for $w=2.00, p = 0.90$.

n	$\delta = 0$	$\delta = 0.5$	$\delta = 1.0$	$\delta = 1.5$	$\delta = 2.0$
5	4.7747	4.6204	4.4901	4.3822	4.2939
10	3.3115	3.1720	3.0815	3.0271	2.9960
15	2.9365	2.8079	2.7422	2.7135	2.7019
20	2.7556	2.6357	2.5870	2.5715	2.5670
25	2.6461	2.5335	2.4968	2.4883	2.4865
30	2.5714	2.4651	2.4372	2.4324	2.4317
35	2.5166	2.4158	2.3944	2.3916	2.3913
40	2.4744	2.3784	2.3618	2.3602	2.3601
45	2.4405	2.3489	2.3360	2.3351	2.3350
50	2.4127	2.3251	2.3149	2.3144	2.3143
55	2.3893	2.3053	2.2973	2.2969	2.2969
60	2.3694	2.2886	2.2822	2.2820	2.2820
65	2.3521	2.2743	2.2692	2.2690	2.2690
70	2.3369	2.2618	2.2577	2.2576	2.2576
75	2.3234	2.2509	2.2476	2.2475	2.2475
80	2.3114	2.2412	2.2385	2.2385	2.2385
85	2.3006	2.2322	2.2301	2.2301	2.2301
90	2.2908	2.2247	2.2229	2.2229	2.2229
95	2.2818	2.2176	2.2162	2.2162	2.2162
100	2.2736	2.2112	2.2100	2.2100	2.2100
105	2.2661	2.2053	2.2043	2.2043	2.2043
110	2.2591	2.1998	2.1990	2.1990	2.1990
115	2.2526	2.1948	2.1941	2.1941	2.1941
120	2.2466	2.1901	2.1895	2.1895	2.1895
125	2.2410	2.1857	2.1852	2.1852	2.1852
130	2.2357	2.1816	2.1812	2.1812	2.1812
135	2.2307	2.1778	2.1775	2.1775	2.1775
140	2.2261	2.1742	2.1739	2.1739	2.1739
145	2.2217	2.1708	2.1706	2.1706	2.1706
150	2.2175	2.1676	2.1675	2.1675	2.1675
155	2.2135	2.1646	2.1645	2.1645	2.1645
160	2.2098	2.1615	2.1615	2.1615	2.1615

Table 3.4(b) Critical values of \hat{C}_{pk} for $w=2.00, p = 0.95$.

n	$\delta = 0$	$\delta = 0.5$	$\delta = 1.0$	$\delta = 1.5$	$\delta = 2.0$
5	5.7870	5.6310	5.4963	5.3813	5.2844
10	3.6778	3.5379	3.4463	3.3906	3.3580
15	3.1754	3.0478	2.9838	2.9559	2.9446
20	2.9393	2.8215	2.7758	2.7615	2.7574
25	2.7985	2.6888	2.6556	2.6481	2.6465
30	2.7033	2.6007	2.5762	2.5722	2.5716
35	2.6339	2.5374	2.5191	2.5169	2.5167
40	2.5807	2.4894	2.4757	2.4745	2.4744
45	2.5383	2.4517	2.4413	2.4406	2.4405
50	2.5035	2.4211	2.4131	2.4127	2.4127
55	2.4744	2.3958	2.3896	2.3894	2.3894
60	2.4495	2.3743	2.3695	2.3694	2.3694
65	2.4281	2.3559	2.3522	2.3521	2.3521
70	2.4092	2.3399	2.3369	2.3369	2.3369
75	2.3926	2.3258	2.3235	2.3235	2.3235
80	2.3777	2.3133	2.3114	2.3114	2.3114
85	2.3644	2.3021	2.3006	2.3006	2.3006
90	2.3523	2.2920	2.2908	2.2908	2.2908
95	2.3413	2.2828	2.2818	2.2818	2.2818
100	2.3312	2.2744	2.2736	2.2736	2.2736
105	2.3219	2.2667	2.2661	2.2661	2.2661
110	2.3132	2.2596	2.2591	2.2591	2.2591
115	2.3054	2.2530	2.2526	2.2526	2.2526
120	2.2980	2.2469	2.2466	2.2466	2.2466
125	2.2911	2.2412	2.2410	2.2410	2.2410
130	2.2847	2.2359	2.2357	2.2357	2.2357
135	2.2786	2.2309	2.2307	2.2307	2.2307
140	2.2729	2.2262	2.2261	2.2261	2.2261
145	2.2675	2.2218	2.2217	2.2217	2.2217
150	2.2624	2.2176	2.2175	2.2175	2.2175
155	2.2576	2.2136	2.2136	2.2136	2.2136
160	2.2530	2.2098	2.2098	2.2098	2.2098

Table 3.4(c) Critical values of \hat{C}_{pk} for $w=2.00, p = 0.99$.

n	$\delta = 0$	$\delta = 0.5$	$\delta = 1.0$	$\delta = 1.5$	$\delta = 2.0$
5	8.8599	8.7003	8.5561	8.4261	8.3099
10	4.5944	4.4521	4.3546	4.2915	4.2522
15	3.7375	3.6095	3.5444	3.5152	3.5027
20	3.3578	3.2416	3.1977	3.1839	3.1798
25	3.1386	3.0321	3.0020	2.9953	2.9939
30	2.9935	2.8953	2.8743	2.8710	2.8705
35	2.8894	2.7982	2.7833	2.7816	2.7815
40	2.8103	2.7253	2.7146	2.7137	2.7136
45	2.7480	2.6681	2.6603	2.6599	2.6598
50	2.6972	2.6219	2.6162	2.6160	2.6160
55	2.6549	2.5837	2.5795	2.5794	2.5794
60	2.6191	2.5515	2.5483	2.5482	2.5482
65	2.5882	2.5238	2.5214	2.5213	2.5213
70	2.5613	2.4998	2.4979	2.4978	2.4978
75	2.5375	2.4786	2.4772	2.4771	2.4771
80	2.5164	2.4598	2.4587	2.4586	2.4586
85	2.4975	2.4430	2.4422	2.4421	2.4421
90	2.4804	2.4278	2.4136	2.4271	2.4271
95	2.4648	1.4141	2.4011	2.4135	2.4135
100	2.4506	1.4015	2.3896	2.4011	2.4011
105	2.4376	2.3900	2.3791	2.3791	2.3791
110	2.4255	2.3793	2.3691	2.3691	2.3691
115	2.4144	2.3692	2.3602	2.3602	2.3602
120	2.4041	2.3604	2.3517	2.3517	2.3517
125	2.3944	2.3518	2.3438	2.3438	2.3438
130	2.3854	2.3439	2.3363	2.3363	2.3363
135	2.3770	2.3364	2.3293	2.3293	2.3293
140	2.3690	2.3294	2.3227	2.3227	2.3227
145	2.3616	2.3228	2.3165	2.3165	2.3165
150	2.3545	2.3165	2.3165	2.3165	2.3165
155	2.3478	2.3106	2.3106	2.3106	2.3106
160	2.3415	2.3050	2.3050	2.3050	2.3050

Table 3.5 Critical values of \tilde{c}_I for $w = 1.25$, $n = 10(10)300$ and $p = 0.99, 0.975, 0.95$.

n	$p = 0.99$	$p = 0.975$	$p = 0.95$
10	2.420	2.124	1.910
20	1.927	1.780	1.667
30	1.763	1.659	1.576
40	1.677	1.593	1.526
50	1.622	1.551	1.493
60	1.584	1.521	1.470
70	1.555	1.498	1.452
80	1.532	1.480	1.438
90	1.513	1.465	1.426
100	1.498	1.453	1.416
110	1.485	1.443	1.408
120	1.474	1.434	1.401
130	1.464	1.426	1.394
140	1.455	1.419	1.389
150	1.448	1.413	1.384
160	1.441	1.407	1.379
170	1.434	1.402	1.375
180	1.429	1.398	1.372
190	1.424	1.393	1.368
200	1.419	1.389	1.365
210	1.414	1.386	1.362
220	1.410	1.383	1.359
230	1.406	1.379	1.357
240	1.403	1.377	1.355
250	1.400	1.374	1.352
260	1.396	1.371	1.350
270	1.393	1.369	1.348
280	1.391	1.367	1.346
290	1.388	1.365	1.345
300	1.386	1.362	1.343

Table 3.6 Critical values of \tilde{c}_I for $w = 1.45$, $n = 10(10)300$ and $p = 0.99, 0.975, 0.95$.

n	$p = 0.99$	$p = 0.975$	$p = 0.95$
10	2.793	2.452	2.206
20	2.225	2.057	1.927
30	2.038	1.918	1.823
40	1.939	1.843	1.766
50	1.876	1.794	1.728
60	1.832	1.760	1.701
70	1.798	1.734	1.681
80	1.772	1.713	1.664
90	1.751	1.696	1.651
100	1.734	1.682	1.640
110	1.719	1.670	1.630
120	1.706	1.660	1.622
130	1.695	1.651	1.615
140	1.685	1.643	1.609
150	1.676	1.636	1.603
160	1.668	1.630	1.598
170	1.661	1.624	1.593
180	1.654	1.619	1.589
190	1.648	1.614	1.585
200	1.643	1.609	1.581
210	1.638	1.605	1.578
220	1.633	1.601	1.575
230	1.629	1.598	1.572
240	1.625	1.595	1.569
250	1.621	1.591	1.567
260	1.617	1.589	1.565
270	1.614	1.586	1.562
280	1.611	1.583	1.560
290	1.608	1.581	1.558
300	1.605	1.578	1.556

Table 3.7 Critical values of \tilde{c}_I for $w = 1.60$, $n = 10(10)300$ and $p = 0.99, 0.975, 0.95$.

n	$p = 0.99$	$p = 0.975$	$p = 0.95$
10	3.074	2.700	2.430
20	2.450	2.265	2.122
30	2.244	2.112	2.009
40	2.135	2.030	1.946
50	2.066	1.977	1.904
60	2.018	1.939	1.875
70	1.981	1.910	1.852
80	1.953	1.888	1.835
90	1.930	1.870	1.820
100	1.910	1.854	1.808
110	1.894	1.841	1.798
120	1.880	1.830	1.789
130	1.868	1.820	1.781
140	1.857	1.811	1.774
150	1.847	1.804	1.767
160	1.839	1.797	1.762
170	1.831	1.790	1.757
180	1.824	1.785	1.752
190	1.817	1.779	1.748
200	1.811	1.774	1.744
210	1.805	1.770	1.740
220	1.800	1.766	1.737
230	1.796	1.762	1.734
240	1.791	1.758	1.731
250	1.787	1.755	1.728
260	1.783	1.752	1.725
270	1.779	1.749	1.723
280	1.776	1.746	1.721
290	1.773	1.743	1.718
300	1.769	1.741	1.716

Table 4.1 The minimum values of $C^*(p)$ for \hat{C}_p^*/w , with $m = 2(2)10,15$, $n = 10(5)30$ required to ensure $p = 0.99$.

$n \backslash m \ r$	10				15				20				25				30			
	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2	1.7577	1.6442	1.5502	1.4706	1.6297	1.5244	1.4373	1.3635	1.5601	1.4593	1.3759	1.3053	1.5151	1.4173	1.3362	1.2676	1.4831	1.3873	1.3079	1.2408
4	1.5168	1.4188	1.3376	1.2690	1.4566	1.3625	1.2846	1.2187	1.4208	1.3290	1.2530	1.1887	1.3964	1.3062	1.2316	1.1684	1.3785	1.2895	1.2158	1.1534
6	1.4296	1.3373	1.2608	1.1961	1.3908	1.3010	1.2266	1.1637	1.3665	1.2782	1.2051	1.1433	1.3494	1.2622	1.1900	1.1290	1.3366	1.2503	1.1788	1.1182
8	1.3821	1.2928	1.2189	1.1564	1.3543	1.2668	1.1943	1.1330	1.3359	1.2496	1.1781	1.1177	1.3227	1.2373	1.1665	1.1067	1.3127	1.2279	1.1577	1.0983
10	1.3514	1.2641	1.1918	1.1306	1.3303	1.2444	1.1732	1.1130	1.3158	1.2308	1.1604	1.1008	1.3051	1.2208	1.1510	1.0919	1.2968	1.2131	1.1437	1.0850
15	1.3061	1.2217	1.1518	1.0927	1.2946	1.2110	1.1418	1.0831	1.2856	1.2025	1.1338	1.0755	1.2785	1.1959	1.1275	1.0697	1.2728	1.1906	1.1225	1.0649

Table 4.2 The minimum values of $C^*(p)$ for \hat{C}_p^*/w , with $m = 2(2)10,15$, $n = 10(5)30$ required to ensure $p = 0.975$.

$n \backslash m \ r$	10				15				20				25				30			
	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2	1.6272	1.5221	1.4350	1.3614	1.5361	1.4369	1.3547	1.2852	1.4848	1.3889	1.3095	1.2422	1.4509	1.3572	1.2796	1.2140	1.4266	1.3345	1.2581	1.1936
4	1.4435	1.3503	1.2731	1.2077	1.4011	1.3106	1.2357	1.1723	1.3748	1.2860	1.2124	1.1503	1.3566	1.2689	1.1964	1.1350	1.3429	1.2562	1.1843	1.1236
6	1.3752	1.2863	1.2128	1.1505	1.3487	1.2616	1.1894	1.1284	1.3312	1.2452	1.1740	1.1137	1.3185	1.2334	1.1628	1.1032	1.3089	1.2243	1.1543	1.0951
8	1.3374	1.2510	1.1795	1.1189	1.3193	1.2341	1.1635	1.1038	1.3064	1.2220	1.1521	1.0930	1.2968	1.2131	1.1437	1.0850	1.2893	1.2061	1.1371	1.0787
10	1.3128	1.2280	1.1578	1.0984	1.2999	1.2159	1.1464	1.0876	1.2900	1.2067	1.1377	1.0793	1.2824	1.1996	1.1310	1.0729	1.2764	1.1939	1.1256	1.0679
15	1.2762	1.1938	1.1255	1.0677	1.2708	1.1887	1.1208	1.0632	1.2652	1.1835	1.1158	1.0586	1.2605	1.1791	1.1117	1.0546	1.2566	1.1755	1.1082	1.0514

Table 4.3 The minimum values of $C^*(p)$ for \hat{C}_p^*/w , with $m = 2(2)10,15$, $n = 10(5)30$ required to ensure $p = 0.95$.

$n \backslash m \ r$	10				15				20				25				30			
	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2	1.5268	1.4282	1.3465	1.2774	1.4622	1.3678	1.2896	1.2234	1.4246	1.3326	1.2564	1.1919	1.3992	1.3089	1.2340	1.1707	1.3808	1.2916	1.2177	1.1552
4	1.3850	1.2956	1.2215	1.1588	1.3561	1.2685	1.1960	1.1346	1.3372	1.2508	1.1793	1.1188	1.3237	1.2382	1.1674	1.1075	1.3135	1.2287	1.1584	1.0989
6	1.3310	1.2450	1.1738	1.1136	1.3141	1.2292	1.1589	1.0995	1.3020	1.2179	1.1482	1.0893	1.2929	1.2094	1.1402	1.0817	1.2858	1.2027	1.1340	1.0758
8	1.3008	1.2168	1.1472	1.0883	1.2903	1.2070	1.1380	1.0796	1.2818	1.1991	1.1305	1.0725	1.2752	1.1928	1.1246	1.0669	1.2698	1.1878	1.1199	1.0624
10	1.2810	1.1983	1.1297	1.0718	1.2746	1.1923	1.1241	1.0664	1.2685	1.1866	1.1187	1.0613	1.2634	1.1818	1.1142	1.0570	1.2592	1.1778	1.1105	1.0535
15	1.2514	1.1706	1.1036	1.0470	1.2509	1.1701	1.1032	1.0466	1.2482	1.1676	1.1008	1.0443	1.2454	1.1650	1.0984	1.0420	1.2429	1.1627	1.0961	1.0399

Table 4.4(a) Critical values $C^*(p)$ of \hat{C}_{pk}^* for multiple samples with $m = 2(2)10$, $n = 10$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $w = 1.00$, $p = 0.95$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			1.7651	1.6511	1.5567	1.4768	1.6871	1.5763	1.4848	1.4074	1.6740	1.5655	1.4756	1.3997	1.6723	1.5642	1.4747	1.3990	1.6721	1.5641	1.4746	1.3990
4			1.5371	1.4378	1.3556	1.2860	1.4974	1.4004	1.3202	1.2523	1.4964	1.3997	1.3197	1.2520	1.4964	1.3997	1.3197	1.2520	1.4964	1.3997	1.3197	1.2520
6			1.4551	1.3611	1.2833	1.2174	1.4304	1.3380	1.2615	1.1967	1.4303	1.3380	1.2614	1.1967	1.4303	1.3380	1.2614	1.1967	1.4303	1.3380	1.2614	1.1967
8			1.4107	1.3196	1.2442	1.1803	1.3937	1.3037	1.2292	1.1661	1.3937	1.3037	1.2292	1.1661	1.3937	1.3037	1.2292	1.1661	1.3937	1.3037	1.2292	1.1661
10			1.3823	1.2930	1.2191	1.1565	1.3698	1.2813	1.2081	1.1461	1.3698	1.2813	1.2081	1.1461	1.3698	1.2813	1.2081	1.1461	1.3698	1.2813	1.2081	1.1461

Table 4.4(b) Critical values $C^*(p)$ of \hat{C}_{pk}^* for multiple samples with $m = 2(2)10$, $n = 10$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $w = 1.00$, $p = 0.99$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			2.0245	1.8937	1.7854	1.6938	1.9511	1.8235	1.7179	1.6287	1.9392	1.8135	1.7095	1.6216	1.9375	1.8123	1.7086	1.6209	1.9372	1.8121	1.7085	1.6208
4			1.6807	1.5722	1.4823	1.4062	1.6483	1.5417	1.4534	1.3788	1.6477	1.5412	1.4531	1.3785	1.6476	1.5412	1.4531	1.3785	1.6476	1.5412	1.4531	1.3785
6			1.5622	1.4613	1.3777	1.3070	1.5438	1.4441	1.3615	1.2916	1.5438	1.4441	1.3615	1.2916	1.5438	1.4441	1.3615	1.2916	1.5438	1.4441	1.3615	1.2916
8			1.4992	1.4024	1.3222	1.2543	1.4873	1.3913	1.3117	1.2444	1.4873	1.3913	1.3117	1.2444	1.4873	1.3913	1.3117	1.2444	1.4873	1.3913	1.3117	1.2444
10			1.4591	1.3649	1.2868	1.2208	1.4509	1.3572	1.2796	1.2139	1.4509	1.3572	1.2796	1.2139	1.4509	1.3572	1.2796	1.2139	1.4509	1.3572	1.2796	1.2139

Table 4.5(a) Critical values $C^*(p)$ of \hat{C}_{pk}^* for multiple samples with $m = 2(2)10$, $n = 15$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $w = 1.00$, $p = 0.95$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			1.6269	1.5218	1.4348	1.3612	1.5620	1.4603	1.3762	1.3051	1.5574	1.4568	1.3734	1.3029	1.5572	1.4566	1.3733	1.3029	1.5572	1.4566	1.3733	1.3029
4			1.4642	1.3697	1.2913	1.2251	1.4305	1.3381	1.2615	1.1968	1.4303	1.3380	1.2614	1.1967	1.4303	1.3380	1.2614	1.1967	1.4303	1.3380	1.2614	1.1967
6			1.4027	1.3121	1.2371	1.1736	1.3807	1.2915	1.2176	1.1552	1.3807	1.2915	1.2176	1.1552	1.3807	1.2915	1.2176	1.1552	1.3807	1.2915	1.2176	1.1552
8			1.3686	1.2802	1.2070	1.1451	1.3527	1.2653	1.1930	1.1317	1.3527	1.2653	1.1930	1.1317	1.3527	1.2653	1.1930	1.1317	1.3527	1.2653	1.1930	1.1317
10			1.3465	1.2595	1.1875	1.1266	1.3342	1.2480	1.1767	1.1163	1.3342	1.2480	1.1767	1.1163	1.3342	1.2480	1.1767	1.1163	1.3342	1.2480	1.1767	1.1163

Table 4.5(b) Critical values $C^*(p)$ of \hat{C}_{pk}^* for multiple samples with $m = 2(2)10$, $n = 15$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $w = 1.00$, $p = 0.99$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			1.8083	1.6915	1.5948	1.5129	1.7495	1.6359	1.5418	1.4623	1.7459	1.6331	1.5397	1.4606	1.7457	1.6330	1.5396	1.4606	1.7457	1.633	1.5396	1.4606
4			1.5710	1.4695	1.3855	1.3144	1.5439	1.4441	1.3615	1.2916	1.5438	1.4441	1.3615	1.2916	1.5438	1.4441	1.3615	1.2916	1.5438	1.4441	1.3615	1.2916
6			1.4839	1.3881	1.3087	1.2415	1.4674	1.3726	1.2941	1.2277	1.4674	1.3726	1.2941	1.2277	1.4674	1.3726	1.2941	1.2277	1.4674	1.3726	1.2941	1.2277
8			1.4364	1.3436	1.2668	1.2018	1.4250	1.3330	1.2568	1.1923	1.4250	1.3330	1.2568	1.1923	1.4250	1.3330	1.2568	1.1923	1.4250	1.3330	1.2568	1.1923
10			1.4057	1.3149	1.2397	1.1761	1.3973	1.3071	1.2323	1.1691	1.3973	1.3071	1.2323	1.1691	1.3973	1.3071	1.2323	1.1691	1.3973	1.3071	1.2323	1.1691

Table 4.6(a) Critical values $C^*(p)$ of \hat{C}_{pk}^* for multiple samples with $m = 2(2)10$, $n = 10$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $w = 1.33$, $p = 0.95$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			2.3244	2.1743	2.0500	1.9448	2.2349	2.0878	1.9661	1.8634	2.2111	2.0671	1.9481	1.8475	2.2060	2.0632	1.9450	1.8450	2.2050	2.0625	1.9445	1.8446
4			2.0285	1.8975	1.7890	1.6972	1.9799	1.8515	1.7452	1.6553	1.9769	1.8492	1.7434	1.6539	1.9768	1.8491	1.7434	1.6539	1.9768	1.8491	1.7434	1.6539
6			1.9226	1.7984	1.6955	1.6085	1.8920	1.7696	1.6683	1.5827	1.8915	1.7693	1.6681	1.5825	1.8915	1.7693	1.6681	1.5825	1.8915	1.7693	1.6681	1.5825
8			1.8655	1.7450	1.6452	1.5608	1.8444	1.7252	1.6265	1.5430	1.8443	1.7251	1.6265	1.5430	1.8443	1.7251	1.6265	1.5430	1.8443	1.7251	1.6265	1.5430
10			1.8289	1.7108	1.6129	1.5302	1.8135	1.6963	1.5993	1.5173	1.8135	1.6963	1.5993	1.5172	1.8135	1.6963	1.5993	1.5172	1.8135	1.6963	1.5993	1.5172

Table 4.6(b) Critical values $C^*(p)$ of \hat{C}_{pk}^* for multiple samples with $m = 2(2)10$, $n = 10$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $w = 1.33$, $p = 0.99$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			2.6603	2.4885	2.3461	2.2257	2.5757	2.4068	2.2671	2.1490	2.5538	2.3878	2.2505	2.1344	2.5490	2.3841	2.2475	2.1320	2.5480	2.3833	2.2469	2.1320
4			2.2138	2.0708	1.9524	1.8522	2.1738	2.0330	1.9165	1.8179	2.1738	2.0315	1.9153	1.8170	2.1717	2.0315	1.9153	1.8170	2.1717	2.0315	1.9153	1.8170
6			2.0606	1.9275	1.8172	1.7240	2.0376	1.9060	1.9969	1.7047	2.0376	1.9058	1.7968	1.7046	2.0374	1.9058	1.7968	1.7046	2.0374	1.9058	1.7968	1.7046
8			1.9793	1.8515	1.7456	1.6560	1.9646	1.8377	1.7326	1.6437	1.9646	1.8377	1.7326	1.6437	1.9645	1.8377	1.7326	1.6437	1.9645	1.8377	1.7326	1.6437
10			1.9277	1.8032	1.7001	1.6128	1.9176	1.7937	1.6912	1.6044	1.9176	1.7937	1.6912	1.6044	1.9176	1.7937	1.6912	1.6044	1.9176	1.7937	1.6912	1.6044

Table 4.7(a) Critical values $C^*(p)$ of \hat{C}_{pk}^* for multiple samples with $m = 2(2)10$, $n = 15$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $w = 1.33$, $p = 0.95$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			2.1450	2.0065	1.8918	1.7947	2.0676	1.9324	1.8207	1.7262	2.0567	1.9236	1.8134	1.7202	2.0557	1.9229	1.8129	1.7198	2.0557	1.9229	1.8129	1.7198
4			1.9345	1.8096	1.7061	1.6185	1.8923	1.7699	1.6685	1.5828	1.8915	1.7693	1.6681	1.5825	1.8915	1.7693	1.6681	1.5825	1.8915	1.7693	1.6681	1.5825
6			1.8552	1.7354	1.6361	1.5522	1.8275	1.7095	1.6117	1.5290	1.8274	1.7094	1.6116	1.5289	1.8274	1.7094	1.6116	1.5289	1.8274	1.7094	1.6116	1.5289
8			1.8114	1.6944	1.5975	1.5155	1.7914	1.6757	1.5799	1.4988	1.7914	1.6757	1.5799	1.4988	1.7914	1.6757	1.5799	1.4988	1.7914	1.6757	1.5799	1.4988
10			1.7829	1.6535	1.5724	1.4917	1.7677	1.6535	1.5589	1.4789	1.7677	1.6535	1.5589	1.4789	1.7677	1.6535	1.5589	1.4789	1.7677	1.6535	1.5589	1.4789

Table 4.7(b) Critical values $C^*(p)$ of \hat{C}_{pk}^* for multiple samples with $m = 2(2)10$, $n = 15$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $w = 1.33$, $p = 0.99$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			2.3794	2.2257	2.0984	1.9907	2.3086	2.1581	2.0336	1.9285	2.2997	2.1510	2.0278	1.9236	2.2989	2.1504	2.0274	1.9233	2.2988	2.1503	2.0274	1.9233
4			2.0720	1.9382	1.8273	1.7336	2.0379	1.9061	1.7970	1.7047	2.0374	1.9058	1.7968	1.7046	2.0374	1.9058	1.7968	1.7046	2.0374	1.9058	1.7968	1.7046
6			1.9597	1.8331	1.7283	1.6396	1.9389	1.8137	1.7099	1.6222	1.9388	1.8136	1.7099	1.6222	1.9388	1.8136	1.7099	1.6222	1.9388	1.8136	1.7099	1.6222
8			1.8985	1.7758	1.6743	1.5884	1.8843	1.7626	1.6618	1.5765	1.8843	1.7626	1.6618	1.5765	1.8843	1.7626	1.6618	1.5765	1.8843	1.7626	1.6618	1.5765
10			1.8590	1.7389	1.6395	1.5553	1.8486	1.7292	1.6303	1.5467	1.8486	1.7292	1.6303	1.5467	1.8486	1.7292	1.6303	1.5467	1.8486	1.7292	1.6303	1.5467

Table 4.8(a) Minimum values $C^*(p)$ of \hat{C}_{pm}^*/w for multiple samples with $m = 2(2)10$, $n = 5$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $p = 0.95$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			1.8318	1.8318	1.8318	1.8318	1.7410	1.7302	1.7180	1.7097	1.3495	1.3293	1.3120	1.2971	1.4430	1.4207	1.4012	1.3841	1.5571	1.5559	1.5368	1.5194
4			1.4464	1.4464	1.4464	1.4464	1.4059	1.4009	1.3961	1.3914	1.2079	1.1966	1.1870	1.1786	1.2585	1.2466	1.2361	1.2268	1.3275	1.3169	1.3072	1.2983
6			1.3264	1.3264	1.3264	1.3264	1.3006	1.2973	1.2941	1.2910	1.1600	1.1516	1.1444	1.1381	1.1975	1.1887	1.1810	1.1741	1.2471	1.2396	1.2327	1.2264
8			1.2654	1.2654	1.2654	1.2654	1.2465	1.2440	1.2416	1.2393	1.1344	1.1274	1.1215	1.1162	1.1650	1.1579	1.1516	1.1459	1.2050	1.1990	1.1935	1.1884
10			1.2276	1.2276	1.2276	1.2276	1.2127	1.2107	1.2008	1.2068	1.1178	1.1118	1.1066	1.1021	1.1443	1.1381	1.1327	1.1278	1.1783	1.1733	1.1686	1.1643

Table 4.8(b) Minimum values $C^*(p)$ of \hat{C}_{pm}^*/w for multiple samples with $m = 2(2)10$, $n = 10$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $p = 0.95$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			1.4464	1.4464	1.4464	1.4464	1.4099	1.4053	1.4008	1.3966	1.3364	1.3262	1.3169	1.3082	1.2690	1.2571	1.2466	1.2372	1.2180	1.2065	1.1966	1.1880
4			1.2654	1.2654	1.2654	1.2654	1.2485	1.2462	1.2440	1.2419	1.2100	1.2043	1.1990	1.1941	1.1712	1.1642	1.1579	1.1522	1.1406	1.1335	1.1274	1.1221
6			1.2016	1.2016	1.2016	1.2016	1.1906	1.1890	1.1875	1.1861	1.1632	1.1591	1.1552	1.1515	1.1343	1.1289	1.1241	1.1198	1.1109	1.1054	1.1007	1.0966
8			1.1674	1.1674	1.1674	1.1674	1.1592	1.1580	1.1569	1.1557	1.1375	1.1341	1.1309	1.1279	1.1137	1.1093	1.1053	1.1017	1.0942	1.0896	1.0857	1.0822
10			1.1455	1.1455	1.1455	1.1455	1.1390	1.1380	1.1371	1.1361	1.1207	1.1178	1.1151	1.1125	1.1002	1.0963	1.0929	1.0897	1.0832	1.0792	1.0758	1.0727

Table 4.8(c) Minimum values $C^*(p)$ of \hat{C}_{pm}^*/w for multiple samples with $m = 2(2)10$, $n = 15$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $p = 0.95$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			1.3264	1.3264	1.3264	1.3264	1.3040	1.3011	1.2982	1.2955	1.2553	1.2482	1.2417	1.2356	1.2075	1.1988	1.1911	1.1842	1.1699	1.1614	1.1539	1.1474
4			1.2016	1.2016	1.2016	1.2016	1.1909	1.1895	1.1880	1.1866	1.1643	1.1602	1.1564	1.1528	1.1357	1.1304	1.1256	1.1213	1.1123	1.1069	1.1022	1.0980
6			1.1554	1.1554	1.1554	1.1554	1.1484	1.1474	1.1464	1.1454	1.1291	1.1261	1.1232	1.1205	1.1075	1.1034	1.0997	1.0963	1.0893	1.0851	1.0814	1.0781
8			1.1302	1.1302	1.1302	1.1302	1.1249	1.1241	1.1233	1.1225	1.1094	1.1069	1.1045	1.1023	1.0914	1.0880	1.0849	1.0821	1.0762	1.0727	1.0695	1.0668
10			1.1138	1.1138	1.1138	1.1138	1.1096	1.1089	1.1082	1.1076	1.0964	1.0943	1.0922	1.0902	1.0808	1.0778	1.0751	1.0727	1.0675	1.0644	1.0616	1.0592

Table 4.8(d) Minimum values $C^*(p)$ of \hat{C}_{pm}^*/w for multiple samples with $m = 2(2)10$, $n = 20$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $p = 0.95$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			1.2654	1.2654	1.2654	1.2654	1.2493	1.2472	1.2451	1.2430	1.2122	1.2066	1.2015	1.1967	1.1741	1.1671	1.1608	1.1551	1.1434	1.1364	1.1302	1.1248
4			1.1674	1.1674	1.1674	1.1674	1.1596	1.1585	1.1574	1.1563	1.1388	1.1355	1.1324	1.1295	1.1155	1.1111	1.1071	1.1035	1.0960	1.0915	1.0875	1.0840
6			1.1302	1.1302	1.1302	1.1302	1.1250	1.1242	1.1234	1.1226	1.1097	1.1072	1.1049	1.1026	1.0919	1.0885	1.0854	1.0826	1.0767	1.0731	1.0700	1.0672
8			1.1095	1.1095	1.1095	1.1095	1.1056	1.1050	1.1044	1.1038	1.0933	1.0912	1.0893	1.0874	1.0784	1.0755	1.0729	1.0706	1.0656	1.0626	1.0599	1.0576
10			1.0961	1.0961	1.0961	1.0961	1.0929	1.0924	1.0919	1.0914	1.0824	1.0806	1.0789	1.0773	1.0695	1.0669	1.0646	1.0626	1.0582	1.0556	1.0532	1.0511

Table 4.9(a) Minimum values $C^*(p)$ of \hat{C}_{pm}^*/w for multiple samples with $m = 2(2)10$, $n = 5$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $p = 0.99$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			2.3202	2.3202	2.3202	2.3202	2.1772	2.1600	2.1436	2.1277	1.1977	1.8838	1.8534	1.8257	1.7039	1.6682	1.6371	1.6097	1.5549	1.5221	1.4945	1.4706
4			1.6688	1.6688	1.6688	1.6688	1.6085	1.6011	1.5938	1.5869	1.4907	1.4747	1.4602	1.4468	1.3866	1.3687	1.3529	1.3889	1.3104	1.2935	1.2790	1.2663
6			1.4803	1.4803	1.4803	1.4803	1.4431	1.4383	1.4336	1.4290	1.3640	1.3529	1.3427	1.3333	1.2903	1.2774	1.2659	1.2557	1.2349	1.2225	1.2118	1.2024
8			1.3870	1.3870	1.3870	1.3870	1.3603	1.3567	1.3532	1.3498	1.2995	1.2907	1.2726	1.2751	1.2406	1.2301	1.2209	1.2126	1.1956	1.1854	1.1767	1.1670
10			1.3302	1.3302	1.3302	1.3302	1.3093	1.3065	1.3037	1.3001	1.2592	1.2518	1.245	1.2386	1.2093	1.2003	1.1924	1.1853	1.1707	1.1619	1.1543	1.1477

Table 4.9(b) Minimum values $C^*(p)$ of \hat{C}_{pm}^*/w for multiple samples with $m = 2(2)10$, $n = 10$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $p = 0.99$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			1.6688	1.6688	1.6688	1.6688	1.6145	1.6077	1.6011	1.5946	1.5042	1.4888	1.4747	1.4617	1.4025	1.3845	1.3687	1.3545	1.3256	1.3083	1.2935	1.2805
4			1.3870	1.3870	1.3870	1.3870	1.3631	1.3599	1.3567	1.3536	1.3069	1.2985	1.2907	1.2835	1.2498	1.2394	1.2301	1.2218	1.2047	1.1944	1.1854	1.1776
6			1.2913	1.2913	1.2913	1.2913	1.2761	1.2740	1.2718	1.2697	1.2366	1.2305	1.2248	1.2194	1.1943	1.1865	1.1795	1.1732	1.1601	1.1522	1.1454	1.1393
8			1.2408	1.2408	1.2408	1.2408	1.2297	1.2280	1.2264	1.2247	1.1984	1.1934	1.1888	1.1844	1.1638	1.1573	1.1515	1.1463	1.1355	1.1289	1.1232	1.1181
10			1.2088	1.2088	1.2088	1.2088	1.2000	1.1986	1.1973	1.1959	1.1737	1.1695	1.1655	1.1618	1.1440	1.1384	1.1333	1.1288	1.1193	1.1136	1.1086	1.1042

Table 4.9(c) Minimum values $C^*(p)$ of \hat{C}_{pm}^*/w for multiple samples with $m = 2(2)10$, $n = 15$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $p = 0.99$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			1.4803	1.4803	1.4803	1.4803	1.4480	1.4437	1.4396	1.4356	1.3762	1.3657	1.3560	1.3470	1.3052	1.2923	1.2809	1.2707	1.2495	1.2368	1.2258	1.2162
4			1.2913	1.2913	1.2913	1.2913	1.2767	1.2746	1.2725	1.2705	1.2382	1.2322	1.2265	1.2213	1.1964	1.1886	1.1816	1.1753	1.1623	1.1544	1.1475	1.1414
6			1.2322	1.2322	1.2322	1.2322	1.2137	1.2123	1.2109	1.2095	1.1861	1.1816	1.1774	1.1735	1.1546	1.1486	1.1433	1.1384	1.1283	1.1222	1.1169	1.1121
8			1.1864	1.1864	1.1864	1.1864	1.1793	1.1782	1.1771	1.1760	1.1571	1.1535	1.1500	1.1468	1.1311	1.1262	1.1217	1.1177	1.1092	1.1040	1.0995	1.0956
10			1.1627	1.1627	1.1627	1.1627	1.1570	1.1561	1.1551	1.1542	1.1382	1.1351	1.1321	1.1293	1.1157	1.1114	1.1075	1.1040	1.0965	1.0920	1.0881	1.0846

Table 4.9(d) Minimum values $C^*(p)$ of \hat{C}_{pm}^*/w for multiple samples with $m = 2(2)10$, $n = 20$, $\delta = 0.5(0.5)2.0$, $r = 0.7(0.1)1.0$, $p = 0.99$.

δ	0				0.5				1.0				1.5				2.0					
	m	r	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1	0.7	0.8	0.9	1
2			1.3870	1.3870	1.3870	1.3870	1.3643	1.3613	1.3582	1.3553	1.3101	1.3019	1.2943	1.2872	1.2540	1.2436	1.2344	1.2261	1.2089	1.1985	1.1895	1.1816
4			1.2408	1.2408	1.2408	1.2408	1.2303	1.2287	1.2271	1.2256	1.2003	1.1955	1.1910	1.1867	1.1664	1.1600	1.1542	1.1490	1.1381	1.1315	1.1258	1.1207
6			1.1864	1.1864	1.1864	1.1864	1.1794	1.1784	1.1773	1.1762	1.1576	1.1540	1.1506	1.1473	1.1318	1.1268	1.1224	1.1183	1.1099	1.1047	1.1002	1.0962
8			1.1565	1.1565	1.1565	1.1565	1.1513	1.1504	1.1495	1.1487	1.1336	1.1306	1.1278	1.1251	1.1122	1.1080	1.1043	1.1009	1.0938	1.0894	1.0856	1.0822
10			1.1371	1.1371	1.1371	1.1371	1.1329	1.1321	1.1314	1.1307	1.1178	1.1153	1.1128	1.1105	1.0992	1.0956	1.0923	1.0893	1.0831	1.0792	1.0759	1.0729