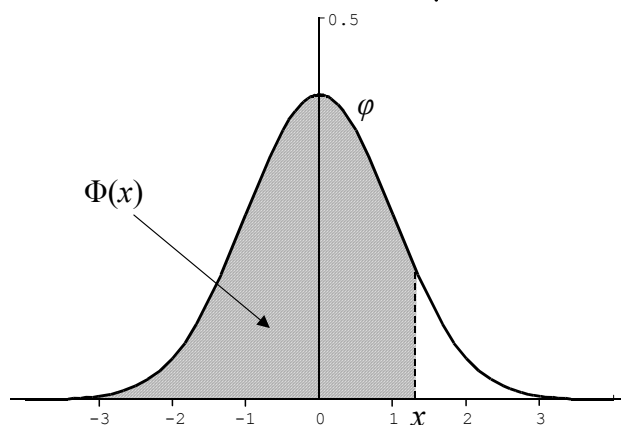


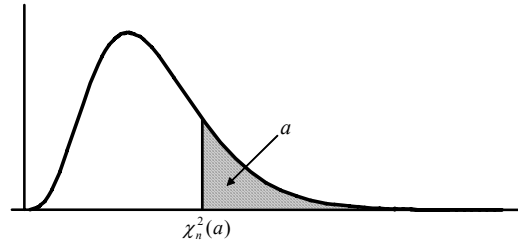
Πίνακας τιμών της σ.κ. Φ της τυπικής κανονικής κατανομής ($x = 0, 0.01, 0.02, \dots, 3.09$)

$$\Phi(x) = \int_{-\infty}^x \varphi(t)dt = \int_{-\infty}^x \frac{1}{\sqrt{2\pi}} e^{-\frac{t^2}{2}} dt$$



x	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
0.0	.5000	.5040	.5080	.5120	.5160	.5199	.5239	.5279	.5319	.5359
0.1	.5398	.5438	.5478	.5517	.5557	.5596	.5636	.5675	.5714	.5753
0.2	.5793	.5832	.5871	.5910	.5948	.5987	.6026	.6064	.6103	.6141
0.3	.6179	.6217	.6255	.6293	.6331	.6368	.6406	.6443	.6480	.6517
0.4	.6554	.6591	.6628	.6664	.6700	.6736	.6772	.6808	.6844	.6879
0.5	.6915	.6950	.6985	.7019	.7054	.7088	.7123	.7157	.7190	.7224
0.6	.7257	.7291	.7324	.7357	.7389	.7422	.7454	.7486	.7517	.7549
0.7	.7580	.7611	.7642	.7673	.7704	.7734	.7764	.7794	.7823	.7852
0.8	.7881	.7910	.7939	.7967	.7995	.8023	.8051	.8078	.8106	.8133
0.9	.8159	.8186	.8212	.8238	.8264	.8289	.8315	.8340	.8365	.8389
1.0	.8413	.8438	.8461	.8485	.8508	.8531	.8554	.8577	.8599	.8621
1.1	.8643	.8665	.8686	.8708	.8729	.8749	.8770	.8790	.8810	.8830
1.2	.8849	.8869	.8888	.8907	.8925	.8944	.8962	.8980	.8997	.9015
1.3	.9032	.9049	.9066	.9082	.9099	.9115	.9131	.9147	.9162	.9177
1.4	.9192	.9207	.9222	.9236	.9251	.9265	.9279	.9292	.9306	.9319
1.5	.9332	.9345	.9357	.9370	.9382	.9394	.9406	.9418	.9429	.9441
1.6	.9452	.9463	.9474	.9484	.9495	.9505	.9515	.9525	.9535	.9545
1.7	.9554	.9564	.9573	.9582	.9591	.9599	.9608	.9616	.9625	.9633
1.8	.9641	.9649	.9656	.9664	.9671	.9678	.9686	.9693	.9699	.9706
1.9	.9713	.9719	.9726	.9732	.9738	.9744	.9750	.9756	.9761	.9767
2.0	.9772	.9778	.9783	.9788	.9793	.9798	.9803	.9808	.9812	.9817
2.1	.9821	.9826	.9830	.9834	.9838	.9842	.9846	.9850	.9854	.9857
2.2	.9861	.9864	.9868	.9871	.9875	.9878	.9881	.9884	.9887	.9890
2.3	.9893	.9896	.9898	.9901	.9904	.9906	.9909	.9911	.9913	.9916
2.4	.9918	.9920	.9922	.9925	.9927	.9929	.9931	.9932	.9934	.9936
2.5	.9938	.9940	.9941	.9943	.9945	.9946	.9948	.9949	.9951	.9952
2.6	.9953	.9955	.9956	.9957	.9959	.9960	.9961	.9962	.9963	.9964
2.7	.9965	.9966	.9967	.9968	.9969	.9970	.9971	.9972	.9973	.9974
2.8	.9974	.9975	.9976	.9977	.9977	.9978	.9979	.9979	.9980	.9981
2.9	.9981	.9982	.9982	.9983	.9984	.9984	.9985	.9985	.9986	.9986
3.0	.9987	.9987	.9987	.9988	.9988	.9989	.9989	.9989	.9990	.9990

Άνω α-σημεία ($\chi_n^2(a)$) της κατανομής χ^2 με n βαθμούς ελευθερίας (Αν $X \sim \chi_n^2$ τότε $P(X > \chi_n^2(a)) = a$)

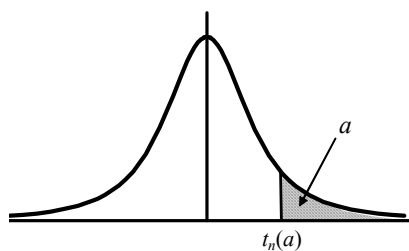


n	$\alpha=.995$	$\alpha=.99$	$\alpha=.975$	$\alpha=.95$	$\alpha=.05$	$\alpha=.025$	$\alpha=.01$	$\alpha=.005$
1	0.	0.	0.001	0.004	3.841	5.024	6.635	7.879
2	0.01	0.02	0.051	0.103	5.991	7.378	9.21	10.597
3	0.072	0.115	0.216	0.352	7.815	9.348	11.345	12.838
4	0.207	0.297	0.484	0.711	9.488	11.143	13.277	14.86
5	0.412	0.554	0.831	1.145	11.07	12.833	15.086	16.75
6	0.676	0.872	1.237	1.635	12.592	14.449	16.812	18.548
7	0.989	1.239	1.69	2.167	14.067	16.013	18.475	20.278
8	1.344	1.646	2.18	2.733	15.507	17.535	20.09	21.955
9	1.735	2.088	2.7	3.325	16.919	19.023	21.666	23.589
10	2.156	2.558	3.247	3.94	18.307	20.483	23.209	25.188
11	2.603	3.053	3.816	4.575	19.675	21.92	24.725	26.757
12	3.074	3.571	4.404	5.226	21.026	23.337	26.217	28.3
13	3.565	4.107	5.009	5.892	22.362	24.736	27.688	29.819
14	4.075	4.66	5.629	6.571	23.685	26.119	29.141	31.319
15	4.601	5.229	6.262	7.261	24.996	27.488	30.578	32.801
16	5.142	5.812	6.908	7.962	26.296	28.845	32.	34.267
17	5.697	6.408	7.564	8.672	27.587	30.191	33.409	35.718
18	6.265	7.015	8.231	9.39	28.869	31.526	34.805	37.156
19	6.844	7.633	8.907	10.117	30.144	32.852	36.191	38.582
20	7.434	8.26	9.591	10.851	31.41	34.17	37.566	39.997
21	8.034	8.897	10.283	11.591	32.671	35.479	38.932	41.401
22	8.643	9.542	10.982	12.338	33.924	36.781	40.289	42.796
23	9.26	10.196	11.689	13.091	35.172	38.076	41.638	44.181
24	9.886	10.856	12.401	13.848	36.415	39.364	42.98	45.559
25	10.52	11.524	13.12	14.611	37.652	40.646	44.314	46.928
26	11.16	12.198	13.844	15.379	38.885	41.923	45.642	48.29
27	11.808	12.879	14.573	16.151	40.113	43.195	46.963	49.645
28	12.461	13.565	15.308	16.928	41.337	44.461	48.278	50.993
29	13.121	14.256	16.047	17.708	42.557	45.722	49.588	52.336
30	13.787	14.953	16.791	18.493	43.773	46.979	50.892	53.672
31	14.458	15.655	17.539	19.281	44.985	48.232	52.191	55.003
32	15.134	16.362	18.291	20.072	46.194	49.48	53.486	56.328
33	15.815	17.074	19.047	20.867	47.4	50.725	54.776	57.648
34	16.501	17.789	19.806	21.664	48.602	51.966	56.061	58.964
35	17.192	18.509	20.569	22.465	49.802	53.203	57.342	60.275
36	17.887	19.233	21.336	23.269	50.998	54.437	58.619	61.581
37	18.586	19.96	22.106	24.075	52.192	55.668	59.893	62.883
38	19.289	20.691	22.878	24.884	53.384	56.896	61.162	64.181
39	19.996	21.426	23.654	25.695	54.572	58.12	62.428	65.476
40	20.707	22.164	24.433	26.509	55.758	59.342	63.691	66.766
41	21.421	22.906	25.215	27.326	56.942	60.561	64.95	68.053
42	22.138	23.65	25.999	28.144	58.124	61.777	66.206	69.336
43	22.859	24.398	26.785	28.965	59.304	62.99	67.459	70.616
44	23.584	25.148	27.575	29.787	60.481	64.201	68.71	71.893
45	24.311	25.901	28.366	30.612	61.656	65.41	69.957	73.166
46	25.041	26.657	29.16	31.439	62.83	66.617	71.201	74.437
47	25.775	27.416	29.956	32.268	64.001	67.821	72.443	75.704
48	26.511	28.177	30.755	33.098	65.171	69.023	73.683	76.969
49	27.249	28.941	31.555	33.93	66.339	70.222	74.919	78.231
50	27.991	29.707	32.357	34.764	67.505	71.42	76.154	79.49

n	$\alpha=.995$	$\alpha=.99$	$\alpha=.975$	$\alpha=.95$	$\alpha=.05$	$\alpha=.025$	$\alpha=.01$	$\alpha=.005$
51	28.735	30.475	33.162	35.6	68.669	72.616	77.386	80.747
52	29.481	31.246	33.968	36.437	69.832	73.81	78.616	82.001
53	30.23	32.018	34.776	37.276	70.993	75.002	79.843	83.253
54	30.981	32.793	35.586	38.116	72.153	76.192	81.069	84.502
55	31.735	33.57	36.398	38.958	73.311	77.38	82.292	85.749
56	32.49	34.35	37.212	39.801	74.468	78.567	83.513	86.994
57	33.248	35.131	38.027	40.646	75.624	79.752	84.733	88.236
58	34.008	35.913	38.844	41.492	76.778	80.936	85.95	89.477
59	34.77	36.698	39.662	42.339	77.931	82.117	87.166	90.715
60	35.534	37.485	40.482	43.188	79.082	83.298	88.379	91.952
61	36.301	38.273	41.303	44.038	80.232	84.476	89.591	93.186
62	37.068	39.063	42.126	44.889	81.381	85.654	90.802	94.419
63	37.838	39.855	42.95	45.741	82.529	86.83	92.01	95.649
64	38.61	40.649	43.776	46.595	83.675	88.004	93.217	96.878
65	39.383	41.444	44.603	47.45	84.821	89.177	94.422	98.105
66	40.158	42.24	45.431	48.305	85.965	90.349	95.626	99.33
67	40.935	43.038	46.261	49.162	87.108	91.519	96.828	100.554
68	41.713	43.838	47.092	50.02	88.25	92.689	98.028	101.776
69	42.494	44.639	47.924	50.879	89.391	93.856	99.228	102.996
70	43.275	45.442	48.758	51.739	90.531	95.023	100.425	104.215
71	44.058	46.246	49.592	52.6	91.67	96.189	101.621	105.432
72	44.843	47.051	50.428	53.462	92.808	97.353	102.816	106.648
73	45.629	47.858	51.265	54.325	93.945	98.516	104.01	107.862
74	46.417	48.666	52.103	55.189	95.081	99.678	105.202	109.074
75	47.206	49.475	52.942	56.054	96.217	100.839	106.393	110.286
76	47.997	50.286	53.782	56.92	97.351	101.999	107.583	111.495
77	48.788	51.097	54.623	57.786	98.484	103.158	108.771	112.704
78	49.582	51.91	55.466	58.654	99.617	104.316	109.958	113.911
79	50.376	52.725	56.309	59.522	100.749	105.473	111.144	115.117
80	51.172	53.54	57.153	60.391	101.879	106.629	112.329	116.321
81	51.969	54.357	57.998	61.261	103.01	107.783	113.512	117.524
82	52.767	55.174	58.845	62.132	104.139	108.937	114.695	118.726
83	53.567	55.993	59.692	63.004	105.267	110.09	115.876	119.927
84	54.368	56.813	60.54	63.876	106.395	111.242	117.057	121.126
85	55.17	57.634	61.389	64.749	107.522	112.393	118.236	122.325
86	55.973	58.456	62.239	65.623	108.648	113.544	119.414	123.522
87	56.777	59.279	63.089	66.498	109.773	114.693	120.591	124.718
88	57.582	60.103	63.941	67.373	110.898	115.841	121.767	125.913
89	58.389	60.928	64.793	68.249	112.022	116.989	122.942	127.106
90	59.196	61.754	65.647	69.126	113.145	118.136	124.116	128.299
91	60.005	62.581	66.501	70.003	114.268	119.282	125.289	129.491
92	60.815	63.409	67.356	70.882	115.39	120.427	126.462	130.681
93	61.625	64.238	68.211	71.76	116.511	121.571	127.633	131.871
94	62.437	65.068	69.068	72.64	117.632	122.715	128.803	133.059
95	63.25	65.898	69.925	73.52	118.752	123.858	129.973	134.247
96	64.063	66.73	70.783	74.401	119.871	125.	131.141	135.433
97	64.878	67.562	71.642	75.282	120.99	126.141	132.309	136.619
98	65.694	68.396	72.501	76.164	122.108	127.282	133.476	137.803
99	66.51	69.23	73.361	77.046	123.225	128.422	134.642	138.987
100	67.328	70.065	74.222	77.929	124.342	129.561	135.807	140.169

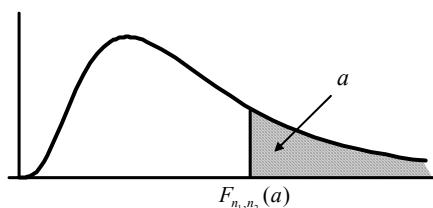
$$(\chi_n^2(a) \approx n + \sqrt{2n}Z_a \text{ για μεγάλο } n)$$

Άνω α-σημεία ($t_n(a)$) της κατανομής t με n βαθμούς ελευθερίας (Αν $X \sim t_n$ τότε $P(X > t_n(a)) = \alpha$)



n	$\alpha = .10$	$\alpha = .05$	$\alpha = .025$	$\alpha = .01$	$\alpha = .005$
1	3.078	6.314	12.706	31.821	63.657
2	1.886	2.92	4.303	6.965	9.925
3	1.638	2.353	3.182	4.541	5.841
4	1.533	2.132	2.776	3.747	4.604
5	1.476	2.015	2.571	3.365	4.032
6	1.44	1.943	2.447	3.143	3.707
7	1.415	1.895	2.365	2.998	3.499
8	1.397	1.86	2.306	2.896	3.355
9	1.383	1.833	2.262	2.821	3.25
10	1.372	1.812	2.228	2.764	3.169
11	1.363	1.796	2.201	2.718	3.106
12	1.356	1.782	2.179	2.681	3.055
13	1.35	1.771	2.16	2.65	3.012
14	1.345	1.761	2.145	2.624	2.977
15	1.341	1.753	2.131	2.602	2.947
16	1.337	1.746	2.12	2.583	2.921
17	1.333	1.74	2.11	2.567	2.898
18	1.33	1.734	2.101	2.552	2.878
19	1.328	1.729	2.093	2.539	2.861
20	1.325	1.725	2.086	2.528	2.845
21	1.323	1.721	2.08	2.518	2.831
22	1.321	1.717	2.074	2.508	2.819
23	1.319	1.714	2.069	2.5	2.807
24	1.318	1.711	2.064	2.492	2.797
25	1.316	1.708	2.06	2.485	2.787
26	1.315	1.706	2.056	2.479	2.779
27	1.314	1.703	2.052	2.473	2.771
28	1.313	1.701	2.048	2.467	2.763
29	1.311	1.699	2.045	2.462	2.756
30	1.31	1.697	2.042	2.457	2.75
35	1.306	1.69	2.03	2.438	2.724
40	1.303	1.684	2.021	2.423	2.704
45	1.301	1.679	2.014	2.412	2.69
50	1.299	1.676	2.009	2.403	2.678
55	1.297	1.673	2.004	2.396	2.668
60	1.296	1.671	2.	2.39	2.66
65	1.295	1.669	1.997	2.385	2.654
70	1.294	1.667	1.994	2.381	2.648
75	1.293	1.665	1.992	2.377	2.643
80	1.292	1.664	1.99	2.374	2.639
85	1.292	1.663	1.988	2.371	2.635
90	1.291	1.662	1.987	2.368	2.632
95	1.291	1.661	1.985	2.366	2.629
100	1.29	1.66	1.984	2.364	2.626
∞	1.282	1.645	1.96	2.326	2.576

Άνω α-σημεία ($F_{n_1, n_2}(a)$) της κατανομής F με n_1, n_2 βαθμούς ελευθερίας (Αν $X \sim F_{n_1, n_2}$ τότε $P(X > F_{n_1, n_2}(a)) = a$)



$$F_{\infty, n_2} = \frac{n_2}{\chi^2_{n_2}(1-a)}, \quad F_{n_1, \infty} = \frac{\chi^2_{n_1}(a)}{n_1}$$

$a = 0.1$

	$n_1=1$	2	3	4	5	6	7	8	9	10	12	14	16	18	20	25	30	40	50	100	∞
$n_2=1$	39.86	49.5	53.59	55.83	57.24	58.2	58.91	59.44	59.86	60.19	60.71	61.07	61.35	61.57	61.74	62.05	62.26	62.53	62.69	63.01	63.33
2	8.53	9.00	9.16	9.24	9.29	9.33	9.35	9.37	9.38	9.39	9.41	9.42	9.43	9.44	9.44	9.45	9.46	9.47	9.47	9.48	9.49
3	5.54	5.46	5.39	5.34	5.31	5.28	5.27	5.25	5.24	5.23	5.22	5.2	5.2	5.19	5.18	5.17	5.17	5.16	5.15	5.14	5.13
4	4.54	4.32	4.19	4.11	4.05	4.01	3.98	3.95	3.94	3.92	3.9	3.88	3.86	3.85	3.84	3.83	3.82	3.8	3.8	3.78	3.76
5	4.06	3.78	3.62	3.52	3.45	3.4	3.37	3.34	3.32	3.3	3.27	3.25	3.23	3.22	3.21	3.19	3.17	3.16	3.15	3.13	3.1
6	3.78	3.46	3.29	3.18	3.11	3.05	3.01	2.98	2.96	2.94	2.9	2.88	2.86	2.85	2.84	2.81	2.8	2.78	2.77	2.75	2.72
7	3.59	3.26	3.07	2.96	2.88	2.83	2.78	2.75	2.72	2.7	2.67	2.64	2.62	2.61	2.59	2.57	2.56	2.54	2.52	2.5	2.47
8	3.46	3.11	2.92	2.81	2.73	2.67	2.62	2.59	2.56	2.54	2.5	2.48	2.45	2.44	2.42	2.4	2.38	2.36	2.35	2.32	2.29
9	3.36	3.01	2.81	2.69	2.61	2.55	2.51	2.47	2.44	2.42	2.38	2.35	2.33	2.31	2.3	2.27	2.25	2.23	2.22	2.19	2.16
10	3.29	2.92	2.73	2.61	2.52	2.46	2.41	2.38	2.35	2.32	2.28	2.26	2.23	2.22	2.2	2.17	2.16	2.13	2.12	2.09	2.06
12	3.18	2.81	2.61	2.48	2.39	2.33	2.28	2.24	2.21	2.19	2.15	2.12	2.09	2.08	2.06	2.03	2.01	1.99	1.97	1.94	1.9
14	3.1	2.73	2.52	2.39	2.31	2.24	2.19	2.15	2.12	2.1	2.05	2.02	2.	1.98	1.96	1.93	1.91	1.89	1.87	1.83	1.8
16	3.05	2.67	2.46	2.33	2.24	2.18	2.13	2.09	2.06	2.03	1.99	1.95	1.93	1.91	1.89	1.86	1.84	1.81	1.79	1.76	1.72
18	3.01	2.62	2.42	2.29	2.2	2.13	2.08	2.04	2.	1.98	1.93	1.9	1.87	1.85	1.84	1.8	1.78	1.75	1.74	1.7	1.66
20	2.97	2.59	2.38	2.25	2.16	2.09	2.04	2.	1.96	1.94	1.89	1.86	1.83	1.81	1.79	1.76	1.74	1.71	1.69	1.65	1.61
25	2.92	2.53	2.32	2.18	2.09	2.02	1.97	1.93	1.89	1.87	1.82	1.79	1.76	1.74	1.72	1.68	1.66	1.63	1.61	1.56	1.52
30	2.88	2.49	2.28	2.14	2.05	1.98	1.93	1.88	1.85	1.82	1.77	1.74	1.71	1.69	1.67	1.63	1.61	1.57	1.55	1.51	1.46
40	2.84	2.44	2.23	2.09	2.	1.93	1.87	1.83	1.79	1.76	1.71	1.68	1.65	1.62	1.61	1.57	1.54	1.51	1.48	1.43	1.38
50	2.81	2.41	2.2	2.06	1.97	1.9	1.84	1.8	1.76	1.73	1.68	1.64	1.61	1.59	1.57	1.53	1.5	1.46	1.44	1.39	1.33
100	2.76	2.36	2.14	2.	1.91	1.83	1.78	1.73	1.69	1.66	1.61	1.57	1.54	1.52	1.49	1.45	1.42	1.38	1.35	1.29	1.21
∞	2.71	2.3	2.08	1.94	1.85	1.77	1.72	1.67	1.63	1.6	1.55	1.5	1.47	1.44	1.42	1.38	1.34	1.3	1.26	1.18	1

$a = 0.05$

	$n_1=1$	2	3	4	5	6	7	8	9	10	12	14	16	18	20	25	30	40	50	100	∞
$n_2=1$	161.5	199.5	215.7	224.6	230.2	234	236.8	238.9	240.5	241.9	243.9	245.4	246.5	247.3	248.0	249.3	250.1	251.1	251.8	253.0	254.3
2	18.51	19.	19.16	19.25	19.3	19.33	19.35	19.37	19.38	19.4	19.41	19.42	19.43	19.44	19.45	19.46	19.46	19.47	19.48	19.49	19.5
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.74	8.71	8.69	8.67	8.66	8.63	8.62	8.59	8.58	8.55	8.53
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.	5.96	5.91	5.87	5.84	5.82	5.8	5.77	5.75	5.72	5.7	5.66	5.63
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.68	4.64	4.6	4.58	4.56	4.52	4.5	4.46	4.44	4.41	4.36
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.1	4.06	4.	3.96	3.92	3.9	3.87	3.83	3.81	3.77	3.75	3.71	3.67
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.57	3.53	3.49	3.47	3.44	3.4	3.38	3.34	3.32	3.27	3.23
8	5.32	4.46	4.07	3.84	3.69	3.58	3.5	3.44	3.39	3.35	3.28	3.24	3.2	3.17	3.15	3.11	3.08	3.04	3.02	2.97	2.93
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.07	3.03	2.99	2.96	2.94	2.89	2.86	2.83	2.8	2.76	2.71
10	4.96	4.1	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.91	2.86	2.83	2.8	2.77	2.73	2.7	2.66	2.64	2.59	2.54
12	4.75	3.89	3.49	3.26	3.11	3.	2.91	2.85	2.8	2.75	2.69	2.64	2.6	2.57	2.54	2.5	2.47	2.43	2.4	2.35	2.3
14	4.6	3.74	3.34	3.11	2.96	2.85	2.76	2.7	2.65	2.6	2.53	2.48	2.44	2.41	2.39	2.34	2.31	2.27	2.24	2.19	2.13
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.42	2.37	2.33	2.3	2.28	2.23	2.19	2.15	2.12	2.07	2.01
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.34	2.29	2.25	2.22	2.19	2.14	2.11	2.06	2.04	1.98	1.92
20	4.35	3.49	3.1	2.87	2.71	2.6	2.51	2.45	2.39	2.35	2.28	2.22	2.18	2.15	2.12	2.07	2.04	1.99	1.97	1.91	1.84
25	4.24	3.39	2.99	2.76	2.6	2.49	2.4	2.34	2.28	2.24	2.16	2.11	2.07	2.04	2.01	1.96	1.92	1.87	1.84	1.78	1.71
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.09	2.04	1.99	1.96	1.93	1.88	1.84	1.79	1.76	1.7	1.62
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	2.	1.95	1.9	1.87	1.84	1.78	1.74	1.69	1.66	1.59	1.51
50	4.03	3.18	2.79	2.56	2.4	2.29	2.2	2.13	2.07	2.03	1.95	1.89	1.85	1.81	1.78	1.73	1.69	1.63	1.6	1.52	1.44
100	3.94	3.09	2.7	2.46	2.31	2.19	2.1	2.03	1.97	1.93	1.85	1.79	1.75	1.71	1.68	1.62	1.57	1.52	1.48	1.39	1.28
∞	3.84	3.	2.6	2.37	2.21	2.1	2.01	1.94	1.88	1.83	1.75	1.69	1.64	1.6	1.57	1.51	1.46	1.39	1.35	1.24	1

$a = 0.025$

	$n_1=1$	2	3	4	5	6	7	8	9	10	12	14	16	18	20	25	30	40	50	100	∞
$n_2=1$	647.8	799.5	864.2	899.6	921.9	937.1	948.2	956.7	963.3	968.6	976.7	982.5	986.9	990.4	993.1	998.1	1001	1005	1008	1013	1018
2	38.51	39.	39.17	39.25	39.3	39.33	39.36	39.37	39.39	39.4	39.41	39.43	39.44	39.44	39.45	39.46	39.46	39.47	39.48	39.49	39.5
3	17.44	16.04	15.44	15.1	14.88	14.73	14.62	14.54	14.47	14.42	14.34	14.28	14.23	14.2	14.17	14.12	14.08	14.04	14.01	13.96	13.9
4	12.22	10.65	9.98	9.6	9.36	9.2	9.07	8.98	8.9	8.84	8.75	8.68	8.63	8.59	8.56	8.5	8.46	8.41	8.38	8.32	8.26
5	10.01	8.43	7.76	7.39	7.15	6.98	6.85	6.76	6.68	6.62	6.52	6.46	6.4	6.36	6.33	6.27	6.23	6.18	6.14	6.08	6.02
6	8.81	7.26	6.6	6.23	5.99	5.82	5.7	5.6	5.52	5.46	5.37	5.3	5.24	5.2	5.17	5.11	5.07	5.01	4.98	4.92	4.85
7	8.07	6.54	5.89	5.52	5.29	5.12	4.99	4.9	4.82	4.76	4.67	4.6	4.54	4.5	4.47	4.4	4.36	4.31	4.28	4.21	4.14
8	7.57	6.06	5.42	5.05	4.82	4.65	4.53	4.43	4.36	4.3	4.2	4.13	4.08	4.03	4.	3.94	3.89	3.84	3.81	3.74	3.67
9	7.21	5.71	5.08	4.72	4.48	4.32	4.2	4.1	4.03	3.96	3.87	3.8	3.74	3.7	3.67	3.6	3.56	3.51	3.47	3.4	3.33
10	6.94	5.46	4.83	4.47	4.24	4.07	3.95	3.85	3.78	3.72	3.62	3.55	3.5	3.45	3.42	3.35	3.31	3.26	3.22	3.15	3.08
12	6.55	5.1	4.47	4.12	3.89	3.73	3.61	3.51	3.44	3.37	3.28	3.21	3.15	3.11	3.07	3.01	2.96	2.91	2.87	2.8	2.72
14	6.3	4.86	4.24	3.89	3.66	3.5	3.38	3.29	3.21	3.15	3.05	2.98	2.92	2.88	2.84	2.78	2.73	2.67	2.64	2.56	2.49
16	6.12	4.69	4.08	3.73	3.5	3.34	3.22	3.12	3.05	2.99	2.89	2.82	2.76	2.72	2.68	2.61	2.57	2.51	2.47	2.4	2.32
18	5.98	4.56	3.95	3.61	3.38	3.22	3.1	3.01	2.93	2.87	2.77	2.7	2.64	2.6	2.56	2.49	2.44	2.38	2.35	2.27	2.19
20	5.87	4.46	3.86	3.51	3.29	3.13	3.01	2.91	2.84	2.77	2.68	2.6	2.55	2.5	2.46	2.4	2.35	2.29	2.25	2.17	2.09
25	5.69	4.29	3.69	3.35	3.13	2.97	2.85	2.75	2.68	2.61	2.51	2.44	2.38	2.34	2.3	2.23	2.18	2.12	2.08	2.	1.91
30	5.57	4.18	3.59	3.25	3.03	2.87	2.75	2.65	2.57	2.51	2.41	2.34	2.28	2.23	2.2	2.12	2.07	2.01	1.97	1.88	1.79
40	5.42	4.05	3.46	3.13	2.9	2.74	2.62	2.53	2.45	2.39	2.29	2.21	2.15	2.11	2.07	1.99	1.94	1.88	1.83	1.74	1.64
50	5.34	3.97	3.39	3.05	2.83	2.67	2.55	2.46	2.38	2.32	2.22	2.14	2.08	2.03	1.99	1.92	1.87	1.8	1.75	1.66	1.55
100	5.18	3.83	3.25	2.92	2.7	2.54	2.42	2.32	2.24	2.18	2.08	2.	1.94	1.89	1.85	1.77	1.71	1.64	1.59	1.48	1.35
∞	5.02	3.69	3.12	2.79	2.57	2.41	2.29	2.19	2.11	2.05	1.94	1.87	1.8	1.75	1.71	1.63	1.57	1.48	1.43	1.3	1

$a = 0.01$

	$n_1=1$	2	3	4	5	6	7	8	9	10	12	14	16	18	20	25	30	40	50	100	∞
$n_2=1$	4052	4999	5404	5625	5764	5859	5928	5981	6022	6056	6106	6143	6170	6191	6209	6240	6261	6287	6302	6334	6366
2	98.5	99.	99.17	99.25	99.3	99.33	99.36	99.37	99.39	99.4	99.42	99.43	99.44	99.44	99.45	99.46	99.47	99.47	99.48	99.49	99.5
3	34.12	30.82	29.46	28.71	28.24	27.91	27.67	27.49	27.35	27.23	27.05	26.92	26.83	26.75	26.69	26.58	26.5	26.41	26.35	26.24	26.13
4	21.2	18.	16.69	15.98	15.52	15.21	14.98	14.8	14.66	14.55	14.37	14.25	14.15	14.08	14.02	13.91	13.84	13.75	13.69	13.58	13.46
5	16.26	13.27	12.06	11.39	10.97	10.67	10.46	10.29	10.16	10.05	9.89	9.77	9.68	9.61	9.55	9.45	9.38	9.29	9.24	9.13	9.02
6	13.75	10.92	9.78	9.15	8.75	8.47	8.26	8.1	7.98	7.87	7.72	7.6	7.52	7.45	7.4	7.3	7.23	7.14	7.09	6.99	6.88
7	12.25	9.55	8.45	7.85	7.46	7.19	6.99	6.84	6.72	6.62	6.47	6.36	6.28	6.21	6.16	6.06	5.99	5.91	5.86	5.75	5.65
8	11.26	8.65	7.59	7.01	6.63	6.37	6.18	6.03	5.91	5.81	5.67	5.56	5.48	5.41	5.36	5.26	5.2	5.12	5.07	4.96	4.86
9	10.56	8.02	6.99	6.42	6.06	5.8	5.61	5.47	5.35	5.26	5.11	5.01	4.92	4.86	4.81	4.71	4.65	4.57	4.52	4.41	4.31
10	10.04	7.56	6.55	5.99	5.64	5.39	5.2	5.06	4.94	4.85	4.71	4.6	4.52	4.46	4.41	4.31	4.25	4.17	4.12	4.01	3.91
12	9.33	6.93	5.95	5.41	5.06	4.82	4.64	4.5	4.39	4.3	4.16	4.05	3.97	3.91	3.86	3.76	3.7	3.62	3.57	3.47	3.36
14	8.86	6.51	5.56	5.04	4.69	4.46	4.28	4.14	4.03	3.94	3.8	3.7	3.62	3.56	3.51	3.41	3.35	3.27	3.22	3.11	3.
16	8.53	6.23	5.29	4.77	4.44	4.2	4.03	3.89	3.78	3.69	3.55	3.45	3.37	3.31	3.26	3.16	3.1	3.02	2.97	2.86	2.75
18	8.29	6.01	5.09	4.58	4.25	4.01	3.84	3.71	3.6	3.51	3.37	3.27	3.19	3.13	3.08	2.98	2.92	2.84	2.78	2.68	2.57
20	8.1	5.85	4.94	4.43	4.1	3.87	3.7	3.56	3.46	3.37	3.23	3.13	3.05	2.99	2.94	2.84	2.78	2.69	2.64	2.54	2.42
25	7.77	5.57	4.68	4.18	3.85	3.63	3.46	3.32	3.22	3.13	2.99	2.89	2.81	2.75	2.7	2.6	2.54	2.45	2.4	2.29	2.17
30	7.56	5.39	4.51	4.02	3.7	3.47	3.3	3.17	3.07	2.98	2.84	2.74	2.66	2.6	2.55	2.45	2.39	2.3	2.25	2.13	2.01
40	7.31	5.18	4.31	3.83	3.51	3.29	3.12	2.99	2.89	2.8	2.66	2.56	2.48	2.42	2.37	2.27	2.2	2.11	2.06	1.94	1.8
50	7.17	5.06	4.2	3.72	3.41	3.19	3.02	2.89	2.78	2.7	2.56	2.46	2.38	2.32	2.27	2.17	2.1	2.01	1.95	1.82	1.68
100	6.9	4.82	3.98	3.51	3.21	2.99	2.82	2.69	2.59	2.5	2.37	2.27	2.19	2.12	2.07	1.97	1.89	1.8	1.74	1.6	1.43
∞	6.63	4.61	3.78	3.32	3.02	2.8	2.64	2.51	2.41	2.32	2.18	2.08	2.	1.93	1.88	1.77	1.7	1.59	1.52	1.36	1

$a = 0.005$

	$n_1=1$	2	3	4	5	6	7	8	9	10	12	14	16	18	20	25	30	40	50	100	∞
$n_2=1$	16211	19999	21615	22499	23056	23437	23715	23925	24091	24224	24426	24572	24681	24767	24836	24960	25044	25148	25211	25337	25464
2	198.5	199.	199.2	199.2	199.3	199.3	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.5	199.5	199.5	199.5	199.5	199.5
3	55.55	49.8	47.47	46.19	45.39	44.84	44.43	44.13	43.88	43.69	43.39	43.17	43.01	42.88	42.78	42.59	42.47	42.31	42.21	42.02	41.83
4	31.33	26.28	24.26	23.15	22.46	21.97	21.62	21.35	21.14	20.97	20.7	20.51	20.37	20.26	20.17	20.	19.89	19.75	19.67	19.5	19.32
5	22.78	18.31	16.53	15.56	14.94	14.51	14.2	13.96	13.77	13.62	13.38	13.21	13.09	12.98	12.9	12.76	12.66	12.53	12.45	12.3	12.14
6	18.63	14.54	12.92	12.03	11.46	11.07	10.79	10.57	10.39	10.25	10.03	9.88	9.76	9.66	9.59	9.45	9.36	9.24	9.17	9.03	8.88
7	16.24	12.4	10.88	10.05	9.52	9.16	8.89	8.68	8.51	8.38	8.18	8.03	7.91	7.83	7.75	7.62	7.53	7.42	7.35	7.22	7.08
8	14.69	11.04	9.6	8.81	8.3	7.95	7.69	7.5	7.34	7.21	7.01	6.87	6.76	6.68	6.61	6.48	6.4	6.29	6.22	6.09	5.95
9	13.61	10.11	8.72	7.96	7.47	7.13	6.88	6.69	6.54	6.42	6.23	6.09	5.98	5.9	5.83	5.71	5.62	5.52	5.45	5.32	5.19
10	12.83	9.43	8.08	7.34	6.87	6.54	6.3	6.12	5.97	5.85	5.66	5.53	5.42	5.34	5.27	5.15	5.07	4.97	4.9	4.77	4.64
12	11.75	8.51	7.23	6.52	6.07	5.76	5.52	5.35	5.2	5.09	4.91	4.77	4.67	4.59	4.53	4.41	4.33	4.23	4.17	4.04	3.9
14	11.06	7.92	6.68	6.	5.56	5.26	5.03	4.86	4.72	4.6	4.43	4.3	4.2	4.12	4.06	3.94	3.86	3.76	3.7	3.57	3.44
16	10.58	7.51	6.3	5.64	5.21	4.91	4.69	4.52	4.38	4.27	4.1	3.97	3.87	3.8	3.73	3.62	3.54	3.44	3.37	3.25	3.11
18	10.22	7.21	6.03	5.37	4.96	4.66	4.44	4.28	4.14	4.03	3.86	3.73	3.64	3.56	3.5	3.38	3.3	3.2	3.14	3.01	2.87
20	9.94	6.99	5.82	5.17	4.76	4.47	4.26	4.09	3.96	3.85	3.68	3.55	3.46	3.38	3.32	3.2	3.12	3.02	2.96	2.83	2.69
25	9.48	6.6	5.46	4.84	4.43	4.15	3.94	3.78	3.64	3.54	3.37	3.25	3.15	3.08	3.01	2.9	2.82	2.72	2.65	2.52	2.38
30	9.18	6.35	5.24	4.62	4.23	3.95	3.74	3.58	3.45	3.34	3.18	3.06	2.96	2.89	2.82	2.71	2.63	2.52	2.46	2.32	2.18
40	8.83	6.07	4.98	4.37	3.99	3.71	3.51	3.35	3.22	3.12	2.95	2.83	2.74	2.66	2.6	2.48	2.4	2.3	2.23	2.09	1.93
50	8.63	5.9	4.83	4.23	3.85	3.58	3.38	3.22	3.09	2.99	2.82	2.7	2.61	2.53	2.47	2.35	2.27	2.16	2.1	1.95	1.79
100	8.24	5.59	4.54	3.96	3.59	3.33	3.13	2.97	2.85	2.74	2.58	2.46	2.37	2.29	2.23	2.11	2.02	1.91	1.84	1.68	1.49
∞	7.88	5.3	4.28	3.72	3.35	3.09	2.9	2.74	2.62	2.52	2.36	2.24	2.14	2.06	2	1.88	1.79	1.67	1.59	1.4	1

Δ.Ε. συντελεστού 1-α για έναν κανονικό πληθυσμό

για το μ (όταν σ^2 γνωστό):	$[\bar{X} - \frac{\sigma}{\sqrt{n}} Z_{a/2}, \bar{X} + \frac{\sigma}{\sqrt{n}} Z_{a/2}]$
για το μ (όταν σ^2 άγνωστο):	$[\bar{X} - \frac{S}{\sqrt{n}} t_{n-1}(a/2), \bar{X} + \frac{S}{\sqrt{n}} t_{n-1}(a/2)]$
για το σ^2 (όταν μ γνωστό):	$[\frac{\sum_{i=1}^n (X_i - \mu)^2}{\chi_n^2(a/2)}, \frac{\sum_{i=1}^n (X_i - \mu)^2}{\chi_n^2(1-a/2)}]$
για το σ^2 (όταν μ άγνωστο):	$[\frac{\sum_{i=1}^n (X_i - \bar{X})^2}{\chi_{n-1}^2(a/2)}, \frac{\sum_{i=1}^n (X_i - \bar{X})^2}{\chi_{n-1}^2(1-a/2)}]$

Δ.Ε. συντελεστού 1-α για δύο ανεξάρτητους κανονικούς πληθυσμούς

για το $\mu_1 - \mu_2$ (όταν σ_1, σ_2 γνωστά)	$[(\bar{X} - \bar{Y}) - \sqrt{\frac{\sigma_1^2}{n_1} + \frac{\sigma_2^2}{n_2}} Z_{a/2}, (\bar{X} - \bar{Y}) + \sqrt{\frac{\sigma_1^2}{n_1} + \frac{\sigma_2^2}{n_2}} Z_{a/2}].$
για το $\mu_1 - \mu_2$ (όταν σ_1, σ_2 άγνωστα και $\sigma_1 = \sigma_2$).	$\left[(\bar{X} - \bar{Y}) - \sqrt{\frac{(n_1 + n_2)((n_1 - 1)S_1^2 + (n_2 - 1)S_2^2)}{n_1 n_2 (n_1 + n_2 - 2)}} t_{n_1 + n_2 - 2}(a/2), \right. \\ \left. (\bar{X} - \bar{Y}) + \sqrt{\frac{(n_1 + n_2)((n_1 - 1)S_1^2 + (n_2 - 1)S_2^2)}{n_1 n_2 (n_1 + n_2 - 2)}} t_{n_1 + n_2 - 2}(a/2) \right]$
για το σ_2^2 / σ_1^2 (όταν μ_1, μ_2 γνωστά)	$\left[\frac{n_1 \sum_{i=1}^{n_2} (Y_i - \mu_2)^2}{n_2 \sum_{i=1}^{n_1} (X_i - \mu_1)^2} F_{n_1, n_2}(1 - \frac{a}{2}), \frac{n_1 \sum_{i=1}^{n_2} (Y_i - \mu_2)^2}{n_2 \sum_{i=1}^{n_1} (X_i - \mu_1)^2} F_{n_1, n_2}(\frac{a}{2}) \right].$
για το σ_2^2 / σ_1^2 (όταν μ_1, μ_2 άγνωστα)	$[\frac{S_2^2}{S_1^2} F_{n_1 - 1, n_2 - 1}(1 - \frac{a}{2}), \frac{S_2^2}{S_1^2} F_{n_1 - 1, n_2 - 1}(\frac{a}{2})]$

Προσεγγιστικό Δ.Ε. συντελεστού 1-α για το ποσοστό ενός πληθυσμού

δ.ε. για το p (όταν $n > 30$)	$[\bar{X} - \sqrt{\frac{\bar{X}(1-\bar{X})}{n}} Z_{a/2}, \bar{X} + \sqrt{\frac{\bar{X}(1-\bar{X})}{n}} Z_{a/2}]$
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Προσεγγιστικό Δ.Ε. συντ. 1-α για τη διαφορά ποσοστών δύο ανεξ. πληθυσμών

για το $p_1 - p_2$ (όταν $n_1, n_2 > 30$)	$[\bar{X} - \bar{Y} - \sqrt{\frac{\bar{X}(1-\bar{X})}{n_1} + \frac{\bar{Y}(1-\bar{Y})}{n_2}} Z_{a/2}, \bar{X} - \bar{Y} + \sqrt{\frac{\bar{X}(1-\bar{X})}{n_1} + \frac{\bar{Y}(1-\bar{Y})}{n_2}} Z_{a/2}]$
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Έλεγχοι υποθέσεων για έναν πληθυσμό σε επίπεδο σημαντικότητας α

- για το μ όταν το σ^2 είναι γνωστό: Στατιστική συνάρτηση: $T = \frac{\bar{X} - \mu_0}{\sigma/\sqrt{n}}$

$H_0: \mu = \mu_0,$ $H_1: \mu = \mu_1, \mu_1 > \mu_0$	$H_0: \mu = \mu_0,$ $H_1: \mu > \mu_0,$	$H_0: \mu \leq \mu_0,$ $H_1: \mu > \mu_0$	$K: T > Z_\alpha$
$H_0: \mu = \mu_0,$ $H_1: \mu = \mu_1, \mu_1 < \mu_0$	$H_0: \mu = \mu_0,$ $H_1: \mu < \mu_0$	$H_0: \mu \geq \mu_0,$ $H_1: \mu < \mu_0$	$K: T < -Z_\alpha$
$H_0: \mu = \mu_0$ $H_1: \mu \neq \mu_0,$			$K: T > Z_{\alpha/2}$

- για το μ όταν το σ^2 είναι άγνωστο: Στατιστική συνάρτηση: $T = \frac{\bar{X} - \mu_0}{S/\sqrt{n}}$

$H_0: \mu = \mu_0,$ $H_1: \mu = \mu_1, \mu_1 > \mu_0$	$H_0: \mu = \mu_0,$ $H_1: \mu > \mu_0,$	$H_0: \mu \leq \mu_0$ $H_1: \mu > \mu_0$	$K: T > t_{n-1}(\alpha)$
$H_0: \mu = \mu_0,$ $H_1: \mu = \mu_1, \mu_1 < \mu_0$	$H_0: \mu = \mu_0,$ $H_1: \mu < \mu_0,$	$H_0: \mu \geq \mu_0,$ $H_1: \mu \leq \mu_0$	$K: T < -t_{n-1}(\alpha)$
$H_0: \mu = \mu_0,$ $H_1: \mu \neq \mu_0,$			$K: T > t_{n-1}(\alpha/2)$

- για το σ όταν το μ είναι γνωστό: Στατιστική συνάρτηση: $T = \sum_{i=1}^n \left(\frac{X_i - \mu}{\sigma_0} \right)^2$

$H_0: \sigma = \sigma_0,$ $H_1: \sigma = \sigma_1, \sigma_1 > \sigma_0$	$H_0: \sigma = \sigma_0,$ $H_1: \sigma > \sigma_0,$	$H_0: \sigma \leq \sigma_0$ $H_1: \sigma > \sigma_0$	$K: T > \chi_n^2(\alpha)$
$H_0: \sigma = \sigma_0,$ $H_1: \sigma = \sigma_1, \sigma_1 < \sigma_0$	$H_0: \sigma = \sigma_0,$ $H_1: \sigma < \sigma_0,$	$H_0: \sigma \geq \sigma_0,$ $H_1: \sigma < \sigma_0.$	$K: T < \chi_n^2(1-\alpha)$
$H_0: \sigma = \sigma_0,$ $H_1: \sigma \neq \sigma_0$			$K: T < \chi_n^2(1-\frac{\alpha}{2}) \text{ ή } T > \chi_n^2(\frac{\alpha}{2})$

- για το σ όταν το μ είναι άγνωστο: Στατιστική συνάρτηση: $T = \frac{(n-1)S^2}{\sigma_0^2} = \sum_{i=1}^n \left(\frac{X_i - \bar{X}}{\sigma_0} \right)^2$

$H_0: \sigma = \sigma_0,$ $H_1: \sigma = \sigma_1, \sigma_1 > \sigma_0$	$H_0: \sigma = \sigma_0,$ $H_1: \sigma > \sigma_0,$	$H_0: \sigma \leq \sigma_0,$ $H_1: \sigma > \sigma_0$	$K: T > \chi_{n-1}^2(\alpha)$
$H_0: \sigma = \sigma_0,$ $H_1: \sigma = \sigma_1, \sigma_1 < \sigma_0$	$H_0: \sigma = \sigma_0,$ $H_1: \sigma < \sigma_0,$	$H_0: \sigma \geq \sigma_0,$ $H_1: \sigma \leq \sigma_0$	$K: T < \chi_{n-1}^2(1-\alpha)$
$H_0: \sigma = \sigma_0,$ $H_1: \sigma \neq \sigma_0,$			$K: T < \chi_{n-1}^2(1-\frac{\alpha}{2}) \text{ ή } T > \chi_{n-1}^2(\frac{\alpha}{2})$

- για ποσοστό p ($n > 30$): σ.σ: $T = \frac{\bar{X} - p_0}{\sqrt{p_0(1-p_0)/n}}$, ($\bar{X}$: δειγματικό ποσοστό)

$H_0: p = p_0,$ $H_1: p = p_1, p_1 > p_0$	$H_0: p = p_0,$ $H_1: p > p_0,$	$H_0: p \leq p_0,$ $H_1: p > p_0$	$K: T > Z_\alpha$
$H_0: p = p_0,$ $H_1: p = p_1, p_1 < p_0$	$H_0: p = p_0,$ $H_1: p < p_0$	$H_0: p \geq p_0,$ $H_1: p < p_0$	$K: T < -Z_\alpha$
$H_0: p = p_0,$ $H_1: p \neq p_0$			$K: T > Z_{\alpha/2}$

Έλεγχτοι υποθέσεων για δύο ανεξάρτητους πληθυσμούς σε ε.σ. α

- για το $\mu_1 - \mu_2$ (σ_1^2, σ_2^2 γνωστά), Στατιστική συνάρτηση $T = \frac{(\bar{X} - \bar{Y} - \gamma)}{\sqrt{\frac{\sigma_1^2}{n_1} + \frac{\sigma_2^2}{n_2}}}$

$H_0: \mu_1 - \mu_2 = \gamma$ $H_1: \mu_1 - \mu_2 > \gamma$	$H_0: \mu_1 - \mu_2 \leq \gamma$ $H_1: \mu_1 - \mu_2 > \gamma$	$K: T > Z_\alpha$
$H_0: \mu_1 - \mu_2 = \gamma$ $H_1: \mu_1 - \mu_2 < \gamma$	$H_0: \mu_1 - \mu_2 \geq \gamma$ $H_1: \mu_1 - \mu_2 < \gamma$	$K: T < -Z_\alpha$
$H_0: \mu_1 - \mu_2 = \gamma$ $H_1: \mu_1 - \mu_2 \neq \gamma$		$K: T > Z_{\alpha/2}$

- για το $\mu_1 - \mu_2$ (σ_1^2, σ_2^2 άγνωστα και ίσα) σ.σ. $T = \frac{(\bar{X} - \bar{Y} - \gamma)}{\sqrt{\frac{n_1 + n_2}{n_1 n_2} \sqrt{\frac{(n_1 - 1)S_1^2 + (n_2 - 1)S_2^2}{n_1 + n_2 - 2}}}}$

$H_0: \mu_1 - \mu_2 = \gamma$ $H_1: \mu_1 - \mu_2 > \gamma$	$H_0: \mu_1 - \mu_2 \leq \gamma$ $H_1: \mu_1 - \mu_2 > \gamma$	$K: T > t_{n_1 + n_2 - 2}(\alpha)$
$H_0: \mu_1 - \mu_2 = \gamma$ $H_1: \mu_1 - \mu_2 < \gamma$	$H_0: \mu_1 - \mu_2 \geq \gamma$ $H_1: \mu_1 - \mu_2 < \gamma$	$K: T < -t_{n_1 + n_2 - 2}(\alpha)$
$H_0: \mu_1 - \mu_2 = \gamma$ $H_1: \mu_1 - \mu_2 \neq \gamma$		$K: T > t_{n_1 + n_2 - 2}(\alpha/2)$

- για το σ_1^2 / σ_2^2 (μ_1, μ_2 γνωστά) Στατιστική συνάρτηση $T = \frac{1}{\delta^2} \frac{n_2}{n_1} \frac{\sum_{i=1}^{n_1} (X_i - \mu_1)^2}{\sum_{j=1}^{n_2} (Y_j - \mu_2)^2}$.

$H_0: \sigma_1 / \sigma_2 = \delta$ $H_1: \sigma_1 / \sigma_2 > \delta$	$H_0: \sigma_1 / \sigma_2 \leq \delta$ $H_1: \sigma_1 / \sigma_2 > \delta$	$K: T > F_{n_1, n_2}(\alpha)$
$H_0: \sigma_1 / \sigma_2 = \delta$ $H_1: \sigma_1 / \sigma_2 < \delta$	$H_0: \sigma_1 / \sigma_2 \geq \delta$ $H_1: \sigma_1 / \sigma_2 < \delta$	$K: T < F_{n_1, n_2}(1 - \alpha)$
$H_0: \sigma_1 / \sigma_2 = \delta$ $H_1: \sigma_1 / \sigma_2 \neq \delta$		$K: T < F_{n_1, n_2}(1 - \alpha/2) \text{ ή } T > F_{n_1, n_2}(\alpha/2)$

- για το σ_1^2 / σ_2^2 (μ_1, μ_2 άγνωστα) Στατιστική συνάρτηση $T = \frac{1}{\delta^2} \frac{S_1^2}{S_2^2}$.

$H_0: \sigma_1 / \sigma_2 = \delta$ $H_1: \sigma_1 / \sigma_2 > \delta$	$H_0: \sigma_1 / \sigma_2 \leq \delta$ $H_1: \sigma_1 / \sigma_2 > \delta$	$K: T > F_{n_1 - 1, n_2 - 1}(\alpha)$
$H_0: \sigma_1 / \sigma_2 = \delta$ $H_1: \sigma_1 / \sigma_2 < \delta$	$H_0: \sigma_1 / \sigma_2 \geq \delta$ $H_1: \sigma_1 / \sigma_2 < \delta$	$K: T < F_{n_1 - 1, n_2 - 1}(1 - \alpha)$
$H_0: \sigma_1 / \sigma_2 = \delta$ $H_1: \sigma_1 / \sigma_2 \neq \delta$		$K: T < F_{n_1 - 1, n_2 - 1}(1 - \alpha/2) \text{ ή } T > F_{n_1 - 1, n_2 - 1}(\alpha/2)$

- για το $p_1 - p_2$ ($n_1, n_2 > 30$): σ.σ. $T = \frac{\bar{X} - \bar{Y}}{\sqrt{P(1-P)(1/n_1 + 1/n_2)}}$, $P = \frac{n_1 \bar{X} + n_2 \bar{Y}}{n_1 + n_2}$

$H_0: p_1 = p_2$ $H_1: p_1 > p_2$	$H_0: p_1 \leq p_2$ $H_1: p_1 > p_2$	$K: T > Z_\alpha$
$H_0: p_1 = p_2$ $H_1: p_1 < p_2$	$H_0: p_1 \geq p_2$ $H_1: p_1 < p_2$	$K: T < -Z_\alpha$
$H_0: p_1 = p_2$ $H_1: p_1 \neq p_2$		$K: T > Z_{\alpha/2}$