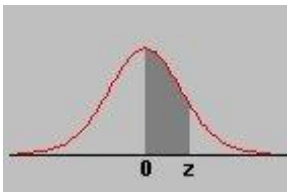
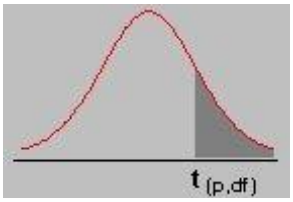
Tabele probabiliste

Funcţia Laplace



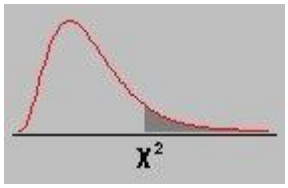
z	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	0.0000	0.0040	0.0080	0.0120	0.0160	0.0199	0.0239	0.0279	0.0319	0.0359
0.1	0.0398	0.0438	0.0478	0.0517	0.0557	0.0596	0.0636	0.0675	0.0714	0.0753
0.2	0.0793	0.0832	0.0871	0.0910	0.0948	0.0987	0.1026	0.1064	0.1103	0.1141
0.3	0.1179	0.1217	0.1255	0.1293	0.1331	0.1368	0.1406	0.1443	0.1480	0.1517
0.4	0.1554	0.1591	0.1628	0.1664	0.1700	0.1736	0.1772	0.1808	0.1844	0.1879
0.5	0.1915	0.1950	0.1985	0.2019	0.2054	0.2088	0.2123	0.2157	0.2190	0.2224
0.6	0.2257	0.2291	0.2324	0.2357	0.2389	0.2422	0.2454	0.2486	0.2517	0.2549
0.7	0.2580	0.2611	0.2642	0.2673	0.2704	0.2734	0.2764	0.2794	0.2823	0.2852
0.8	0.2881	0.2910	0.2939	0.2967	0.2995	0.3023	0.3051	0.3078	0.3106	0.3133
0.9	0.3159	0.3186	0.3212	0.3238	0.3264	0.3289	0.3315	0.3340	0.3365	0.3389
1.0	0.3413	0.3438	0.3461	0.3485	0.3508	0.3531	0.3554	0.3577	0.3599	0.3621
1.1	0.3643	0.3665	0.3686	0.3708	0.3729	0.3749	0.3770	0.3790	0.3810	0.3830
1.2	0.3849	0.3869	0.3888	0.3907	0.3925	0.3944	0.3962	0.3980	0.3997	0.4015
1.3	0.4032	0.4049	0.4066	0.4082	0.4099	0.4115	0.4131	0.4147	0.4162	0.4177
1.4	0.4192	0.4207	0.4222	0.4236	0.4251	0.4265	0.4279	0.4292	0.4306	0.4319
1.5	0.4332	0.4345	0.4357	0.4370	0.4382	0.4394	0.4406	0.4418	0.4429	0.4441
1.6	0.4452	0.4463	0.4474	0.4484	0.4495	0.4505	0.4515	0.4525	0.4535	0.4545
1.7	0.4554	0.4564	0.4573	0.4582	0.4591	0.4599	0.4608	0.4616	0.4625	0.4633
1.8	0.4641	0.4649	0.4656	0.4664	0.4671	0.4678	0.4686	0.4693	0.4699	0.4706
1.9	0.4713	0.4719	0.4726	0.4732	0.4738	0.4744	0.4750	0.4756	0.4761	0.4767
2.0	0.4772	0.4778	0.4783	0.4788	0.4793	0.4798	0.4803	0.4808	0.4812	0.4817
2.1	0.4821	0.4826	0.4830	0.4834	0.4838	0.4842	0.4846	0.4850	0.4854	0.4857
2.2	0.4861	0.4864	0.4868	0.4871	0.4875	0.4878	0.4881	0.4884	0.4887	0.4890
2.3	0.4893	0.4896	0.4898	0.4901	0.4904	0.4906	0.4909	0.4911	0.4913	0.4916
2.4	0.4918	0.4920	0.4922	0.4925	0.4927	0.4929	0.4931	0.4932	0.4934	0.4936
2.5	0.4938	0.4940	0.4941	0.4943	0.4945	0.4946	0.4948	0.4949	0.4951	0.4952
2.6	0.4953	0.4955	0.4956	0.4957	0.4959	0.4960	0.4961	0.4962	0.4963	0.4964
2.7	0.4965	0.4966	0.4967	0.4968	0.4969	0.4970	0.4971	0.4972	0.4973	0.4974
2.8	0.4974	0.4975	0.4976	0.4977	0.4977	0.4978	0.4979	0.4979	0.4980	0.4981
2.9	0.4981	0.4982	0.4982	0.4983	0.4984	0.4984	0.4985	0.4985	0.4986	0.4986
3.0	0.4987	0.4987	0.4987	0.4988	0.4988	0.4989	0.4989	0.4989	0.4990	0.4990

Repartiția Student



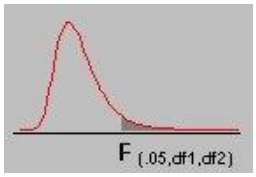
n\p	0.10	0.05	0.025	0.01	0.005
1	3,078	6,314	12,706	31,821	63,657
2	1,886	2,920	4,303	6,965	9,925
3	1,638	2,353	3,182	4,541	5,841
4	1,533	2,132	2,776	3,747	4,604
5	1,476	2,015	2,571	3,365	4,032
6	1,440	1,943	2,447	3,143	3,707
7	1,415	1,895	2,365	2,998	3,499
8	1,397	1,860	2,306	2,896	3,355
9	1,383	1,833	2,262	2,821	3,250
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	1,350	1,771	2,160	2,650	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	2,120	2,583	2,921
17	1,333	1,740	2,110	2,567	2,898
18	1,330	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	2,080	2,518	2,831
22	1,321	1,717	2,074	2,508	2,819
23	1,319	1,714	2,069	2,500	2,807
24	1,318	1,711	2,064	2,492	2,797
25	1,316	1,708	2,060	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	1,310	1,697	2,042	2,457	2,750
n>30	1,282	1,645	1,960	2,326	2,576

Repartiţia Chi-pătrat



n\p	.100	.050	.025	.010	.005
1	2,706	3,841	5,024	6,635	7,879
2	4,605	5,991	7,378	9,210	10,597
3	6,251	7,815	9,348	11,345	12,838
4	7,779	9,488	11,143	13,277	14,860
5	9,236	11,071	12,833	15,086	16,750
6	10,645	12,592	14,449	16,812	18,548
7	12,017	14,067	16,013	18,475	20,278
8	13,362	15,507	17,535	20,090	21,955
9	14,684	16,919	19,023	21,666	23,589
10	15,987	18,307	20,483	23,209	25,188
11	17,275	19,675	21,920	24,725	26,757
12	18,549	21,026	23,337	26,217	28,300
13	19,812	22,362	24,736	27,688	29,819
14	21,064	23,685	26,119	29,141	31,319
15	22,307	24,996	27,488	30,578	32,801
16	23,542	26,296	28,845	32,000	34,267
17	24,769	27,587	30,191	33,409	35,718
18	25,989	28,869	31,526	34,805	37,156
19	27,204	30,144	32,852	36,191	38,582
20	28,412	31,410	34,170	37,566	39,997
21	29,615	32,671	35,479	38,932	41,401
22	30,813	33,924	36,781	40,289	42,796
23	32,007	35,172	38,076	41,638	44,181
24	33,196	36,415	39,364	42,980	45,559
25	34,382	37,652	40,646	44,314	46,928
26	35,563	38,885	41,923	45,642	48,290
27	36,741	40,113	43,195	46,963	49,645
28	37,916	41,337	44,461	48,278	50,993
29	39,087	42,557	45,722	49,588	52,336
30	40,256	43,773	46,979	50,892	53,672

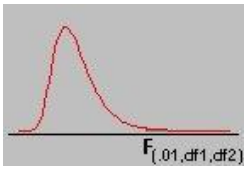
Repartiţia Fisher



n_2/n_1	1	2	3	4	5	6	7
1	161,448	199,500	215,707	224,583	230,162	233,986	236,768
2	18,513	19,000	19,164	19,247	19,296	19,330	19,353
3	10,128	9,552	9,277	9,117	9,014	8,941	8,887
4	7,709	6,944	6,591	6,388	6,256	6,163	6,094
5	6,608	5,786	5,410	5,192	5,050	4,950	4,876
6	5,987	5,143	4,757	4,534	4,387	4,284	4,207
7	5,591	4,737	4,347	4,120	3,972	3,866	3,787
8	5,318	4,459	4,066	3,838	3,688	3,581	3,501
9	5,117	4,257	3,863	3,633	3,482	3,374	3,293
10	4,965	4,103	3,708	3,478	3,326	3,217	3,136
11	4,844	3,982	3,587	3,357	3,204	3,095	3,012
12	4,747	3,885	3,490	3,259	3,106	2,996	2,913
13	4,667	3,806	3,411	3,179	3,025	2,915	2,832
14	4,600	3,739	3,344	3,112	2,958	2,848	2,764
15	4,543	3,682	3,287	3,056	2,901	2,791	2,707
16	4,494	3,634	3,239	3,007	2,852	2,741	2,657
17	4,451	3,592	3,197	2,965	2,810	2,699	2,614
18	4,414	3,555	3,160	2,928	2,773	2,661	2,577
19	4,381	3,522	3,127	2,895	2,740	2,628	2,544
20	4,351	3,493	3,098	2,866	2,711	2,599	2,514
21	4,325	3,467	3,073	2,840	2,685	2,573	2,488
22	4,301	3,443	3,049	2,817	2,661	2,549	2,464
23	4,279	3,422	3,028	2,796	2,640	2,528	2,442
24	4,260	3,403	3,009	2,776	2,621	2,508	2,423
25	4,242	3,385	2,991	2,759	2,603	2,490	2,405
26	4,225	3,369	2,975	2,743	2,587	2,474	2,388
27	4,210	3,354	2,960	2,728	2,572	2,459	2,373
28	4,196	3,340	2,947	2,714	2,558	2,445	2,359
29	4,183	3,328	2,934	2,701	2,545	2,432	2,346
30	4,171	3,316	2,922	2,690	2,534	2,421	2,334
40	4,085	3,232	2,839	2,606	2,450	2,336	2,249
60	4,001	3,150	2,758	2,525	2,368	2,254	2,167
120	3,920	3,072	2,680	2,447	2,290	2,175	2,087
n>120	3,842	2,996	2,605	2,372	2,214	2,099	2,010

n_2/n_1	8	9	10	20	30	120	$n_1>120$
1	238,883	240,543	241,882	248,013	250,095	253,253	254,314
2	19,371	19,385	19,396	19,446	19,462	19,487	19,496
3	8,845	8,812	8,786	8,660	8,617	8,549	8,526
4	6,041	5,999	5,964	5,803	5,746	5,658	5,628
5	4,818	4,773	4,735	4,558	4,496	4,399	4,365
6	4,147	4,099	4,060	3,874	3,808	3,705	3,669
7	3,726	3,677	3,637	3,445	3,376	3,267	3,230
8	3,438	3,388	3,347	3,150	3,079	2,967	2,928
9	3,230	3,179	3,137	2,937	2,864	2,748	2,707
10	3,072	3,020	2,978	2,774	2,700	2,580	2,538
11	2,948	2,896	2,854	2,646	2,571	2,448	2,405
12	2,849	2,796	2,753	2,544	2,466	2,341	2,296
13	2,767	2,714	2,671	2,459	2,380	2,252	2,206
14	2,699	2,646	2,602	2,388	2,308	2,178	2,131
15	2,641	2,588	2,544	2,328	2,247	2,114	2,066
16	2,591	2,538	2,494	2,276	2,194	2,059	2,010
17	2,548	2,494	2,450	2,230	2,148	2,011	1,960
18	2,510	2,456	2,412	2,191	2,107	1,968	1,917
19	2,477	2,423	2,378	2,156	2,071	1,930	1,878
20	2,447	2,393	2,348	2,124	2,039	1,896	1,843
21	2,421	2,366	2,321	2,096	2,010	1,866	1,812
22	2,397	2,342	2,297	2,071	1,984	1,838	1,783
23	2,375	2,320	2,275	2,048	1,961	1,813	1,757
24	2,355	2,300	2,255	2,027	1,939	1,790	1,733
25	2,337	2,282	2,237	2,008	1,919	1,768	1,711
26	2,321	2,266	2,220	1,990	1,901	1,749	1,691
27	2,305	2,250	2,204	1,974	1,884	1,731	1,672
28	2,291	2,236	2,190	1,959	1,869	1,714	1,654
29	2,278	2,223	2,177	1,945	1,854	1,698	1,638
30	2,266	2,211	2,165	1,932	1,841	1,684	1,622
40	2,180	2,124	2,077	1,839	1,744	1,577	1,509
60	2,097	2,040	1,993	1,748	1,649	1,467	1,389
120	2,016	1,959	1,911	1,659	1,554	1,352	1,254
$n_2>120$	1,938	1,880	1,831	1,571	1,459	1,221	1,000

Repartiția Fisher



n_2/n_1	1	2	3	4	5	6	7
1	4052,181	4999,500	5403,352	5624,583	5763,650	5858,986	5928,356
2	98,503	99,000	99,166	99,249	99,299	99,333	99,356
3	34,116	30,817	29,457	28,710	28,237	27,911	27,672
4	21,198	18,000	16,694	15,977	15,522	15,207	14,976
5	16,258	13,274	12,060	11,392	10,967	10,672	10,456
6	13,745	10,925	9,780	9,148	8,746	8,466	8,260
7	12,246	9,547	8,451	7,847	7,460	7,191	6,993
8	11,259	8,649	7,591	7,006	6,632	6,371	6,178
9	10,561	8,022	6,992	6,422	6,057	5,802	5,613
10	10,044	7,559	6,552	5,994	5,636	5,386	5,200
11	9,646	7,206	6,217	5,668	5,316	5,069	4,886
12	9,330	6,927	5,953	5,412	5,064	4,821	4,640
13	9,074	6,701	5,739	5,205	4,862	4,620	4,441
14	8,862	6,515	5,564	5,035	4,695	4,456	4,278
15	8,683	6,359	5,417	4,893	4,556	4,318	4,142
16	8,531	6,226	5,292	4,773	4,437	4,202	4,026
17	8,400	6,112	5,185	4,669	4,336	4,102	3,927
18	8,285	6,013	5,092	4,579	4,248	4,015	3,841
19	8,185	5,926	5,010	4,500	4,171	3,939	3,765
20	8,096	5,849	4,938	4,431	4,103	3,871	3,699
21	8,017	5,780	4,874	4,369	4,042	3,812	3,640
22	7,945	5,719	4,817	4,313	3,988	3,758	3,587
23	7,881	5,664	4,765	4,264	3,939	3,710	3,539
24	7,823	5,614	4,718	4,218	3,895	3,667	3,496
25	7,770	5,568	4,675	4,177	3,855	3,627	3,457
26	7,721	5,526	4,637	4,140	3,818	3,591	3,421
27	7,677	5,488	4,601	4,106	3,785	3,558	3,388
28	7,636	5,453	4,568	4,074	3,754	3,528	3,358
29	7,598	5,420	4,538	4,045	3,725	3,499	3,330
30	7,562	5,390	4,510	4,018	3,699	3,473	3,304
40	7,314	5,179	4,313	3,828	3,514	3,291	3,124
60	7,077	4,977	4,126	3,649	3,339	3,119	2,953
120	6,851	4,787	3,949	3,480	3,174	2,956	2,792
$n_2>120$	6,635	4,605	3,782	3,319	3,017	2,802	2,639

n_2/n_1	8	9	10	20	30	120	$n_1>120$
1	5981,070	6022,473	6055,847	6208,730	6260,649	6339,391	6365,864
2	99,374	99,388	99,399	99,449	99,466	99,491	99,499
3	27,489	27,345	27,229	26,690	26,505	26,221	26,125
4	14,799	14,659	14,546	14,020	13,838	13,558	13,463
5	10,289	10,158	10,051	9,553	9,379	9,112	9,020
6	8,102	7,976	7,874	7,396	7,229	6,969	6,880
7	6,840	6,719	6,620	6,155	5,992	5,737	5,650
8	6,029	5,911	5,814	5,359	5,198	4,946	4,859
9	5,467	5,351	5,257	4,808	4,649	4,398	4,311
10	5,057	4,942	4,849	4,405	4,247	3,996	3,909
11	4,744	4,632	4,539	4,099	3,941	3,690	3,602
12	4,499	4,388	4,296	3,858	3,701	3,449	3,361
13	4,302	4,191	4,100	3,665	3,507	3,255	3,165
14	4,140	4,030	3,939	3,505	3,348	3,094	3,004
15	4,004	3,895	3,805	3,372	3,214	2,959	2,868
16	3,890	3,780	3,691	3,259	3,101	2,845	2,753
17	3,791	3,682	3,593	3,162	3,003	2,746	2,653
18	3,705	3,597	3,508	3,077	2,919	2,660	2,566
19	3,631	3,523	3,434	3,003	2,844	2,584	2,489
20	3,564	3,457	3,368	2,938	2,778	2,517	2,421
21	3,506	3,398	3,310	2,880	2,720	2,457	2,360
22	3,453	3,346	3,258	2,827	2,667	2,403	2,305
23	3,406	3,299	3,211	2,781	2,620	2,354	2,256
24	3,363	3,256	3,168	2,738	2,577	2,310	2,211
25	3,324	3,217	3,129	2,699	2,538	2,270	2,169
26	3,288	3,182	3,094	2,664	2,503	2,233	2,131
27	3,256	3,149	3,062	2,632	2,470	2,198	2,097
28	3,226	3,120	3,032	2,602	2,440	2,167	2,064
29	3,198	3,092	3,005	2,574	2,412	2,138	2,034
30	3,173	3,067	2,979	2,549	2,386	2,111	2,006
40	2,993	2,888	2,801	2,369	2,203	1,917	1,805
60	2,823	2,718	2,632	2,198	2,028	1,726	1,601
120	2,663	2,559	2,472	2,035	1,860	1,533	1,381
$n_2>120$	2,511	2,407	2,321	1,878	1,696	1,325	1,000

Repartiţia Durbin-Watson

α = 0,05; ***k*** reprezintă numărul de parametri din model

n	*k = 2*		*k = 3*		*k = 4*		*k = 5*	
	d_L	d_U	d_L	d_U	d_L	d_U	d_L	d_U
7	0,700	1,356	0,467	1,896				
8	0,763	1,332	0,559	1,777	0,367	2,287		
9	0,824	1,320	0,629	1,699	0,455	2,128	0,296	2,588
10	0,879	1,320	0,697	1,641	0,525	2,016	0,376	2,414
11	0,927	1,324	0,758	1,604	0,595	1,928	0,444	2,283
12	0,971	1,331	0,812	1,579	0,658	1,864	0,512	2,177
13	1,010	1,340	0,861	1,562	0,715	1,816	0,574	2,094
14	1,045	1,350	0,905	1,551	0,767	1,779	0,632	2,030
15	1,077	1,361	0,946	1,543	0,814	1,750	0,685	1,977
16	1,106	1,371	0,982	1,539	0,857	1,728	0,734	1,935
17	1,133	1,381	1,015	1,536	0,897	1,710	0,779	1,900
18	1,158	1,391	1,046	1,535	0,933	1,696	0,820	1,872
19	1,180	1,401	1,074	1,536	0,967	1,685	0,859	1,848
20	1,201	1,411	1,100	1,537	0,998	1,676	0,894	1,828
21	1,221	1,420	1,125	1,538	1,026	1,669	0,927	1,812
22	1,239	1,429	1,147	1,541	1,053	1,664	0,958	1,797
23	1,257	1,437	1,168	1,543	1,078	1,660	0,986	1,785
24	1,273	1,446	1,188	1,546	1,101	1,656	1,013	1,775
25	1,288	1,454	1,206	1,550	1,123	1,654	1,038	1,767
26	1,302	1,461	1,224	1,553	1,143	1,652	1,062	1,759
27	1,316	1,469	1,240	1,556	1,162	1,651	1,084	1,753
28	1,328	1,476	1,255	1,560	1,181	1,650	1,104	1,747
29	1,341	1,483	1,270	1,563	1,198	1,650	1,124	1,743
30	1,352	1,489	1,284	1,567	1,214	1,650	1,143	1,739
31	1,363	1,496	1,297	1,570	1,229	1,650	1,160	1,735
32	1,373	1,502	1,309	1,574	1,244	1,650	1,177	1,732
33	1,383	1,508	1,321	1,577	1,258	1,651	1,193	1,730
34	1,393	1,514	1,333	1,580	1,271	1,652	1,208	1,728
35	1,402	1,519	1,343	1,584	1,283	1,653	1,222	1,726
36	1,411	1,525	1,354	1,587	1,295	1,654	1,236	1,724
37	1,419	1,530	1,364	1,590	1,307	1,655	1,249	1,723
38	1,427	1,535	1,373	1,594	1,318	1,656	1,261	1,722
39	1,435	1,540	1,382	1,597	1,328	1,658	1,273	1,722
40	1,442	1,544	1,391	1,600	1,338	1,659	1,285	1,721
45	1,475	1,566	1,430	1,615	1,383	1,666	1,336	1,720
50	1,503	1,585	1,462	1,628	1,421	1,674	1,378	1,721
55	1,528	1,601	1,490	1,641	1,452	1,681	1,414	1,724
60	1,549	1,616	1,514	1,652	1,480	1,689	1,444	1,727
65	1,567	1,629	1,536	1,662	1,503	1,696	1,471	1,731
70	1,583	1,641	1,554	1,672	1,525	1,703	1,494	1,735
75	1,598	1,652	1,571	1,680	1,543	1,709	1,515	1,739
80	1,611	1,662	1,586	1,688	1,560	1,715	1,534	1,743
85	1,624	1,671	1,600	1,696	1,575	1,721	1,550	1,747
90	1,635	1,679	1,612	1,703	1,589	1,726	1,566	1,751
95	1,645	1,687	1,623	1,709	1,602	1,732	1,579	1,755
100	1,654	1,694	1,634	1,715	1,613	1,736	1,592	1,758
150	1,720	1,747	1,706	1,760	1,693	1,774	1,679	1,788
200	1,758	1,779	1,748	1,789	1,738	1,799	1,728	1,809