Verjetnostne porazdelitve vrednosti statističnih enot v statistični populaciji

Kazalo vsebine

1 Normalna (ali tudi Gaussova) porazdelitev

z	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
0.0	.0000	.0040	.0080	.0120	.0160	.0199	.0239	.0279	.0319	.0359
0.1	.0398	.0438	.0478	.0517	.0557	.0596	.0636	.0675	.0714	.0753
0.2	.0793	.0832	.0871	.0910	.0948	.0987	.1026	.1064	.1103	.1141
0.3	.1179	.1217	.1255	.1293	.1331	.1368	.1406	.1443	.1480	.1517
0.4	.1554	.1591	.1628	.1664	.1700	.1736	.1772	.1808	.1844	.1879
0.5	.1915	.1950	.1985	.2019	.2054	.2088	.2123	.2157	.2190	.2224
0.6	.2257	.2291	.2324	.2357	.2389	.2422	.2454	.2486	.2517	.2549
0.7	.2580	.2611	.2642	.2673	.2704	.2734	.2764	.2794	.2823	.2852
0.8	.2881	.2910	.2939	.2967	.2995	.3023	.3051	.3078	.3106	.3133
0.9	.3159	.3186	.3212	.3238	.3264	.3289	.3315	.3340	.3365	.3389
1.0	.3413	.3438	.3461	.3485	.3508	.3531	.3554	.3577	.3599	.3621
1.1	.3643	.3665	.3686	.3708	.3729	.3749	.3770	.3790	.3810	.3830
1.2	.3849	.3869	.3888	.3907	.3925	.3944	.3962	.3980	.3997	.4015
1.3	.4032	.4049	.4066	.4082	.4099	.4115	.4131	.4147	.4162	.4177
1.4	.4192	.4207	.4222	.4236	.4251	.4265	.4279	.4292	.4306	.4319
1.5	.4332	.4345	.4357	.4370	.4382	.4394	.4406	.4418	.4429	.4441
1.6	.4452	.4463	.4474	.4484	.4495	.4505	.4515	.4525	.4535	.4545
1.7	.4554	.4564	.4573	.4582	.4591	.4599	.4608	.4616	.4625	.4633
1.8	.4641	.4649	.4656	.4664	.4671	.4678	.4686	.4693	.4699	.4706
1.9	.4713	.4719	.4726	.4732	.4738	.4744	.4750	.4756	.4761	.4767
2.0	.4772	.4778	.4783	.4788	.4793	.4798	.4803	.4808	.4812	.4817
2.1	.4821	.4826	.4830	.4834	.4838	.4842	.4846	.4850	.4854	.4857
2.2	.4861	.4864	.4868	.4871	.4875	.4878	.4881	.4884	.4887	.4890
2.3	.4893	.4896	.4898	.4901	.4904	.4906	.4909	.4911	.4913	.4916
2.4	.4918	.4920	.4922	.4925	.4927	.4929	.4931	.4932	.4934	.4936
2.5	.4938	.4940	.4941	.4943	.4945	.4946	.4948	.4949	.4951	.4952
2.6	.4953	.4955	.4956	.4957	.4959	.4960	.4961	.4962	.4963	.4964
2.7	.4965	.4966	.4967	.4968	.4969	.4970	.4971	.4972	.4973	.4974
2.8	.4974	.4975	.4976	.4977	.4977	.4978	.4979	.4979	.4980	.4981
2.9	.4981	.4982	.4982	.4983	.4984	.4984	.4985	.4985	.4986	.4986
3.0	.4987	.4987	.4987	.4988	.4988	.4989	.4989	.4989	.4990	.4990
3.1	.4990	.4991	.4991	.4991	.4992	.4992	.4992	.4992	.4993	.4993
3.2	.4993	.4993	.4994	.4994	.4994	.4994	.4994	.4995	.4995	.4995
3.3	.4995	.4995	.4995	.4996	.4996	.4996	.4996	.4996	.4996	.4997
3.4	.4997	.4997	.4997	.4997	.4997	.4997	.4997	.4997	.4997	.4998
3.5	.4998	.4998	.4998	.4998	.4998	.4998	.4998	.4998	.4998	.4998

2 Student-ova porazdelitev

enostranski	0.50	0.25	0.20	0.15	0.10	0.05	0.025	0.01	0.005	0.001	0.0005
dvostranski	**1.00**	**0.50**	**0.25**	**0.20**	**0.15**	**0.10**	**0.05**	**0.025**	**0.01**	**0.005**	**0.001**
1	0.000	1.000	1.376	1.963	3.078	6.314	12.71	31.82	63.66	318.31	636.62
2	0.000	0.816	1.061	1.386	1.886	2.920	4.303	6.965	9.925	22.327	31.599
3	0.000	0.765	0.978	1.250	1.638	2.353	3.182	4.541	5.841	10.215	12.924
4	0.000	0.741	0.941	1.190	1.533	2.132	2.776	3.747	4.604	7.173	8.610
5	0.000	0.727	0.920	1.156	1.476	2.015	2.571	3.365	4.032	5.893	6.869
6	0.000	0.718	0.906	1.134	1.440	1.943	2.447	3.143	3.707	5.208	5.959
7	0.000	0.711	0.896	1.119	1.415	1.895	2.365	2.998	3.499	4.785	5.408
8	0.000	0.706	0.889	1.108	1.397	1.860	2.306	2.896	3.355	4.501	5.041
9	0.000	0.703	0.883	1.100	1.383	1.833	2.262	2.821	3.250	4.297	4.781
10	0.000	0.700	0.879	1.093	1.372	1.812	2.228	2.764	3.169	4.144	4.587
11	0.000	0.697	0.876	1.088	1.363	1.796	2.201	2.718	3.106	4.025	4.437
12	0.000	0.695	0.873	1.083	1.356	1.782	2.179	2.681	3.055	3.930	4.318
13	0.000	0.694	0.870	1.079	1.350	1.771	2.160	2.650	3.012	3.852	4.221
14	0.000	0.692	0.868	1.076	1.345	1.761	2.145	2.624	2.977	3.787	4.140
15	0.000	0.691	0.866	1.074	1.341	1.753	2.131	2.602	2.947	3.733	4.073
16	0.000	0.690	0.865	1.071	1.337	1.746	2.120	2.583	2.921	3.686	4.015
17	0.000	0.689	0.863	1.069	1.333	1.740	2.110	2.567	2.898	3.646	3.965
18	0.000	0.688	0.862	1.067	1.330	1.734	2.101	2.552	2.878	3.610	3.922
19	0.000	0.688	0.861	1.066	1.328	1.729	2.093	2.539	2.861	3.579	3.883
20	0.000	0.687	0.860	1.064	1.325	1.725	2.086	2.528	2.845	3.552	3.850
21	0.000	0.686	0.859	1.063	1.323	1.721	2.080	2.518	2.831	3.527	3.819
22	0.000	0.686	0.858	1.061	1.321	1.717	2.074	2.508	2.819	3.505	3.792
23	0.000	0.685	0.858	1.060	1.319	1.714	2.069	2.500	2.807	3.485	3.768
24	0.000	0.685	0.857	1.059	1.318	1.711	2.064	2.492	2.797	3.467	3.745
25	0.000	0.684	0.856	1.058	1.316	1.708	2.060	2.485	2.787	3.450	3.725
26	0.000	0.684	0.856	1.058	1.315	1.706	2.056	2.479	2.779	3.435	3.707
27	0.000	0.684	0.855	1.057	1.314	1.703	2.052	2.473	2.771	3.421	3.690
28	0.000	0.683	0.855	1.056	1.313	1.701	2.048	2.467	2.763	3.408	3.674
29	0.000	0.683	0.854	1.055	1.311	1.699	2.045	2.462	2.756	3.396	3.659
30	0.000	0.683	0.854	1.055	1.310	1.697	2.042	2.457	2.750	3.385	3.646
40	0.000	0.681	0.851	1.050	1.303	1.684	2.021	2.423	2.704	3.307	3.551
60	0.000	0.679	0.848	1.045	1.296	1.671	2.000	2.390	2.660	3.232	3.460
80	0.000	0.678	0.846	1.043	1.292	1.664	1.990	2.374	2.639	3.195	3.416
100	0.000	0.677	0.845	1.042	1.290	1.660	1.984	2.364	2.626	3.174	3.390
1000	0.000	0.675	0.842	1.037	1.282	1.646	1.962	2.330	2.581	3.098	3.300
z	0.000	0.674	0.842	1.036	1.282	1.645	1.960	2.326	2.576	3.090	3.291

3 Chi-kvadrat porazdelitev

n / α	0.005	0.01	0.025	0.05	0.10	0.90	0.95	0.975	0.99	0.995
1	0.000	0.000	0.001	0.004	0.016	2.706	3.841	5.024	6.635	7.879
2	0.010	0.020	0.051	0.103	0.211	4.605	5.991	7.378	9.210	10.597
3	0.072	0.115	0.216	0.352	0.584	6.251	7.815	9.348	11.345	12.838
4	0.207	0.297	0.484	0.711	1.064	7.779	9.488	11.143	13.277	14.860
5	0.412	0.554	0.831	1.145	1.610	9.236	11.071	12.833	15.086	16.750
6	0.676	0.872	1.237	1.635	2.204	10.645	12.592	14.449	16.812	18.548
7	0.989	1.239	1.690	2.167	2.833	12.017	14.067	16.013	18.475	20.278
8	1.344	1.646	2.180	2.733	3.490	13.362	15.507	17.535	20.090	21.955
9	1.735	2.088	2.700	3.325	4.168	14.684	16.919	19.023	21.666	23.589
10	2.156	2.558	3.247	3.940	4.865	15.987	18.307	20.483	23.209	25.188
11	2.603	3.053	3.816	4.575	5.578	17.275	19.675	21.920	24.725	26.757
12	3.074	3.571	4.404	5.226	6.304	18.549	21.026	23.337	26.217	28.299
13	3.565	4.107	5.009	5.892	7.042	19.812	22.362	24.736	27.688	29.819
14	4.075	4.660	5.629	6.571	7.790	21.064	23.685	26.119	29.141	31.319
15	4.601	5.229	6.262	7.261	8.547	22.307	24.996	27.488	30.578	32.801
16	5.142	5.812	6.908	7.962	9.312	23.542	26.296	28.845	32.000	34.267
17	5.697	6.408	7.564	8.672	10.085	24.769	27.587	30.191	33.409	35.718
18	6.265	7.015	8.231	9.390	10.865	25.989	28.869	31.526	34.805	37.156
19	6.844	7.633	8.907	10.117	11.651	27.204	30.144	32.852	36.191	38.582
20	7.434	8.260	9.591	10.851	12.443	28.412	31.410	34.170	37.566	39.997
21	8.034	8.897	10.283	11.591	13.240	29.615	32.671	35.479	38.932	41.401
22	8.643	9.542	10.982	12.338	14.042	30.813	33.924	36.781	40.289	42.796
23	9.260	10.196	11.689	13.091	14.848	32.007	35.172	38.076	41.638	44.181
24	9.886	10.856	12.401	13.848	15.659	33.196	36.415	39.364	42.980	45.559
25	10.520	11.524	13.120	14.611	16.473	34.382	37.652	40.646	44.314	46.928
26	11.160	12.198	13.844	15.379	17.292	35.563	38.885	41.923	45.642	48.290
27	11.808	12.879	14.573	16.151	18.114	36.741	40.113	43.194	46.963	49.645
28	12.461	13.565	15.308	16.928	18.939	37.916	41.337	44.461	48.278	50.993
29	13.121	14.257	16.047	17.708	19.768	39.087	42.557	45.722	49.588	52.336
30	13.787	14.954	16.791	18.493	20.599	40.256	43.773	46.979	50.892	53.672
40	20.707	22.164	24.433	26.509	29.051	51.805	55.758	59.342	63.691	66.766
50	27.991	29.707	32.357	34.764	37.689	63.167	67.505	71.420	76.154	79.490
60	35.534	37.485	40.482	43.188	46.459	74.397	79.082	83.298	88.379	91.952
70	43.275	45.442	48.758	51.739	55.329	85.527	90.531	95.023	100.425	104.215
80	51.172	53.540	57.153	60.391	64.278	96.578	101.879	106.629	112.329	116.321
90	59.196	61.754	65.647	69.126	73.291	107.565	113.145	118.136	124.116	128.299
100	67.328	70.065	74.222	77.929	82.358	118.498	124.342	129.561	135.807	140.169

4   Wilcoxon-ova porazdelitev

n	Dvostranski test		Enostranski test	
	α = .05	α = .01	α = .05	α = .01
5	--	--	0	--
6	0	--	2	--
7	2	--	3	0
8	3	0	5	1
9	5	1	8	3
10	8	3	10	5
11	10	5	13	7
12	13	7	17	9
13	17	9	21	12
14	21	12	25	15
15	25	15	30	19
16	29	19	35	23
17	34	23	41	27
18	40	27	47	32
19	46	32	53	37
20	52	37	60	43
21	58	42	67	49
22	65	48	75	55
23	73	54	83	62
24	81	61	91	69
25	89	68	100	76
26	98	75	110	84
27	107	83	119	92
28	116	91	130	101
29	126	100	140	110
30	137	109	151	120

5 Mann-Whitney-eva porazdelitev (enostranski test)

n_2	α	n_1																	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
3	.05	0	0	1	2	2	3	4	4	5	5	6	7	7	8	9	9	10	11
	.01	--	0	0	0	0	0	1	1	1	2	2	2	3	3	4	4	4	5
4	.05	0	1	2	3	4	5	6	7	8	9	10	11	12	14	15	16	17	18
	.01	--	--	0	1	1	2	3	3	4	5	5	6	7	7	8	9	9	10
5	.05	1	2	4	5	6	8	9	11	12	13	15	16	18	19	20	22	23	25
	.01	--	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
6	.05	2	3	5	7	8	10	12	14	16	17	19	21	23	25	26	28	30	32
	.01	--	1	2	3	4	6	7	8	9	11	12	13	15	16	18	19	20	22
7	.05	2	4	6	8	11	13	15	17	19	21	24	26	28	30	33	35	37	39
	.01	0	1	3	4	6	7	9	11	12	14	16	17	19	21	23	24	26	28
8	.05	3	5	8	10	13	15	18	20	23	26	28	31	33	36	39	41	44	47
	.01	0	2	4	6	7	9	11	13	15	17	20	22	24	26	28	30	32	34
9	.05	4	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54
	.01	1	3	5	7	9	11	14	16	18	21	23	26	28	31	33	36	38	40
10	.05	4	7	11	14	17	20	24	27	31	34	37	41	44	48	51	55	58	62
	.01	1	3	6	8	11	13	16	19	22	24	27	30	33	36	38	41	44	47
11	.05	5	8	12	16	19	23	27	31	34	38	42	46	50	54	57	61	65	69
	.01	1	4	7	9	12	15	18	22	25	28	31	34	37	41	44	47	50	53
12	.05	5	9	13	17	21	26	30	34	38	42	47	51	55	60	64	68	72	77
	.01	2	5	8	11	14	17	21	24	28	31	35	38	42	46	49	53	56	60
13	.05	6	10	15	19	24	28	33	37	42	47	51	56	61	65	70	75	80	84
	.01	2	5	9	12	16	20	23	27	31	35	39	43	47	51	55	59	63	67
14	.05	7	11	16	21	26	31	36	41	46	51	56	61	66	71	77	82	87	92
	.01	2	6	10	13	17	22	26	30	34	38	43	47	51	56	60	65	69	73
15	.05	7	12	18	23	28	33	39	44	50	55	61	66	72	77	83	88	94	100
	.01	3	7	11	15	19	24	28	33	37	42	47	51	56	61	66	70	75	80
16	.05	8	14	19	25	30	36	42	48	54	60	65	71	77	83	89	95	101	107
	.01	3	7	12	16	21	26	31	36	41	46	51	56	61	66	71	76	82	87
17	.05	9	15	20	26	33	39	45	51	57	64	70	77	83	89	96	102	109	115
	.01	4	8	13	18	23	28	33	38	44	49	55	60	66	71	77	82	88	93
18	.05	9	16	22	28	35	41	48	55	61	68	75	82	88	95	102	109	116	123
	.01	4	9	14	19	24	30	36	41	47	53	59	65	70	76	82	88	94	100
19	.05	10	17	23	30	37	44	51	58	65	72	80	87	94	101	109	116	123	130
	.01	4	9	15	20	26	32	38	44	50	56	63	69	75	82	88	94	101	107
20	.05	11	18	25	32	39	47	54	62	69	77	84	92	100	107	115	123	130	138
	.01	5	10	16	22	28	34	40	47	53	60	67	73	80	87	93	100	107	114

6   Mann-Whitney-eva porazdelitev (dvostranski test)

n_2	α	n_1																	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
3	.05	--	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	.01	--	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	3	3
4	.05	--	0	1	2	3	4	4	5	6	7	8	9	10	11	11	12	13	14
	.01	--	--	0	0	0	1	1	2	2	3	3	4	5	5	6	6	7	8
5	.05	0	1	2	3	5	6	7	8	9	11	12	13	14	15	17	18	19	20
	.01	--	--	0	1	1	2	3	4	5	6	7	7	8	9	10	11	12	13
6	.05	1	2	3	5	6	8	10	11	13	14	16	17	19	21	22	24	25	27
	.01	--	0	1	2	3	4	5	6	7	9	10	11	12	13	15	16	17	18
7	.05	1	3	5	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34
	.01	--	0	1	3	4	6	7	9	10	12	13	15	16	18	19	21	22	24
8	.05	2	4	6	8	10	13	15	17	19	22	24	26	29	31	34	36	38	41
	.01	--	1	2	4	6	7	9	11	13	15	17	18	20	22	24	26	28	30
9	.05	2	4	7	10	12	15	17	20	23	26	28	31	34	37	39	42	45	48
	.01	0	1	3	5	7	9	11	13	16	18	20	22	24	27	29	31	33	36
10	.05	3	5	8	11	14	17	20	23	26	29	33	36	39	42	45	48	52	55
	.01	0	2	4	6	9	11	13	16	18	21	24	26	29	31	34	37	39	42
11	.05	3	6	9	13	16	19	23	26	30	33	37	40	44	47	51	55	58	62
	.01	0	2	5	7	10	13	16	18	21	24	27	30	33	36	39	42	45	48
12	.05	4	7	11	14	18	22	26	29	33	37	41	45	49	53	57	61	65	69
	.01	1	3	6	9	12	15	18	21	24	27	31	34	37	41	44	47	51	54
13	.05	4	8	12	16	20	24	28	33	37	41	45	50	54	59	63	67	72	76
	.01	1	3	7	10	13	17	20	24	27	31	34	38	42	45	49	53	56	60
14	.05	5	9	13	17	22	26	31	36	40	45	50	55	59	64	67	74	78	83
	.01	1	4	7	11	15	18	22	26	30	34	38	42	46	50	54	58	63	67
15	.05	5	10	14	19	24	29	34	39	44	49	54	59	64	70	75	80	85	90
	.01	2	5	8	12	16	20	24	29	33	37	42	46	51	55	60	64	69	73
16	.05	6	11	15	21	26	31	37	42	47	53	59	64	70	75	81	86	92	98
	.01	2	5	9	13	18	22	27	31	36	41	45	50	55	60	65	70	74	79
17	.05	6	11	17	22	28	34	39	45	51	57	63	67	75	81	87	93	99	105
	.01	2	6	10	15	19	24	29	34	39	44	49	54	60	65	70	75	81	86
18	.05	7	12	18	24	30	36	42	48	55	61	67	74	80	86	93	99	106	112
	.01	2	6	11	16	21	26	31	37	42	47	53	58	64	70	75	81	87	92
19	.05	7	13	19	25	32	38	45	52	58	65	72	78	85	92	99	106	113	119
	.01	3	7	12	17	22	28	33	39	45	51	56	63	69	74	81	87	93	99
20	.05	8	14	20	27	34	41	48	55	62	69	76	83	90	98	105	112	119	127
	.01	3	8	13	18	24	30	36	42	48	54	60	67	73	79	86	92	99	105

7 Fisherjeva porazdelitev (stopnja značilnosti: 10 %)

m\n	1	2	3	4	5	6	7	8	9	10	11	12
1	39.86	8.526	5.538	4.545	4.06	3.776	3.589	3.458	3.36	3.285	3.225	3.177
2	49.5	9	5.462	4.325	3.78	3.463	3.257	3.113	3.006	2.924	2.86	2.807
3	53.59	9.162	5.391	4.191	3.619	3.289	3.074	2.924	2.813	2.728	2.66	2.606
4	55.83	9.243	5.343	4.107	3.52	3.181	2.961	2.806	2.693	2.605	2.536	2.48
5	57.24	9.293	5.309	4.051	3.453	3.108	2.883	2.726	2.611	2.522	2.451	2.394
6	58.2	9.326	5.285	4.01	3.405	3.055	2.827	2.668	2.551	2.461	2.389	2.331
7	58.91	9.349	5.266	3.979	3.368	3.014	2.785	2.624	2.505	2.414	2.342	2.283
8	59.44	9.367	5.252	3.955	3.339	2.983	2.752	2.589	2.469	2.377	2.304	2.245
9	59.86	9.381	5.24	3.936	3.316	2.958	2.725	2.561	2.44	2.347	2.274	2.214
10	60.19	9.392	5.23	3.92	3.297	2.937	2.703	2.538	2.416	2.323	2.248	2.188
11	60.47	9.401	5.222	3.907	3.282	2.92	2.684	2.519	2.396	2.302	2.227	2.166
12	60.71	9.408	5.216	3.896	3.268	2.905	2.668	2.502	2.379	2.284	2.209	2.147
14	61.07	9.42	5.205	3.878	3.247	2.881	2.643	2.475	2.351	2.255	2.179	2.117
16	61.35	9.429	5.196	3.864	3.23	2.863	2.623	2.455	2.329	2.233	2.156	2.094
20	61.74	9.441	5.184	3.844	3.207	2.836	2.595	2.425	2.298	2.201	2.123	2.06
24	62	9.45	5.176	3.831	3.191	2.818	2.575	2.404	2.277	2.178	2.1	2.036
30	62.26	9.458	5.168	3.817	3.174	2.8	2.555	2.383	2.255	2.155	2.076	2.011
40	62.53	9.466	5.16	3.804	3.157	2.781	2.535	2.361	2.232	2.132	2.052	1.986
50	62.69	9.471	5.155	3.795	3.147	2.77	2.523	2.348	2.218	2.117	2.036	1.97
75	62.9	9.478	5.148	3.784	3.133	2.754	2.506	2.33	2.199	2.097	2.016	1.949
100	63.01	9.481	5.144	3.778	3.126	2.746	2.497	2.321	2.189	2.087	2.005	1.938
200	63.17	9.486	5.139	3.769	3.116	2.734	2.484	2.307	2.174	2.071	1.989	1.921
500	63.26	9.489	5.136	3.764	3.109	2.727	2.476	2.298	2.165	2.062	1.979	1.911
∞	63.33	9.491	5.134	3.761	3.105	2.722	2.471	2.293	2.159	2.055	1.972	1.904

Verjetnostne porazdelitve vrednosti statističnih enot v statistični populaciji

m\n	14	16	20	24	30	40	50	75	100	200	500	∞
1	3.102	3.048	2.975	2.927	2.881	2.835	2.809	2.774	2.756	2.731	2.716	2.706
2	2.726	2.668	2.589	2.538	2.489	2.44	2.412	2.375	2.356	2.329	2.313	2.303
3	2.522	2.462	2.38	2.327	2.276	2.226	2.197	2.158	2.139	2.111	2.095	2.084
4	2.395	2.333	2.249	2.195	2.142	2.091	2.061	2.021	2.002	1.973	1.956	1.945
5	2.307	2.244	2.158	2.103	2.049	1.997	1.966	1.926	1.906	1.876	1.859	1.847
6	2.243	2.178	2.091	2.035	1.98	1.927	1.895	1.854	1.834	1.804	1.786	1.774
7	2.193	2.128	2.04	1.983	1.927	1.873	1.84	1.798	1.778	1.747	1.729	1.717
8	2.154	2.088	1.999	1.941	1.884	1.829	1.796	1.754	1.732	1.701	1.683	1.67
9	2.122	2.055	1.965	1.906	1.849	1.793	1.76	1.716	1.695	1.663	1.644	1.632
10	2.095	2.028	1.937	1.877	1.819	1.763	1.729	1.685	1.663	1.631	1.612	1.599
11	2.073	2.005	1.913	1.853	1.794	1.737	1.703	1.658	1.636	1.603	1.583	1.57
12	2.054	1.985	1.892	1.832	1.773	1.715	1.68	1.635	1.612	1.579	1.559	1.546
14	2.022	1.953	1.859	1.797	1.737	1.678	1.643	1.596	1.573	1.539	1.518	1.505
16	1.998	1.928	1.833	1.77	1.709	1.649	1.613	1.565	1.542	1.507	1.485	1.471
20	1.962	1.891	1.794	1.73	1.667	1.605	1.568	1.519	1.494	1.458	1.435	1.421
24	1.938	1.866	1.767	1.702	1.638	1.574	1.536	1.485	1.46	1.422	1.399	1.383
30	1.912	1.839	1.738	1.672	1.606	1.541	1.502	1.449	1.423	1.383	1.358	1.342
40	1.885	1.811	1.708	1.641	1.573	1.506	1.465	1.41	1.382	1.339	1.313	1.295
50	1.869	1.793	1.69	1.621	1.552	1.483	1.441	1.384	1.355	1.31	1.282	1.263
75	1.846	1.769	1.664	1.593	1.523	1.451	1.407	1.346	1.315	1.266	1.236	1.214
100	1.834	1.757	1.65	1.579	1.507	1.434	1.388	1.326	1.293	1.242	1.209	1.185
200	1.816	1.738	1.629	1.556	1.482	1.406	1.359	1.293	1.257	1.199	1.16	1.13
500	1.805	1.726	1.616	1.542	1.467	1.389	1.34	1.27	1.232	1.168	1.122	1.082
∞	1.797	1.718	1.607	1.533	1.456	1.377	1.327	1.254	1.214	1.144	1.087	1

8   Fisherjeva porazdelitev (stopnja značilnosti: 5 %)

m\n	1	2	3	4	5	6	7	8	9	10	11	12
1	161.4	18.51	10.13	7.709	6.608	5.987	5.591	5.318	5.117	4.965	4.844	4.747
2	199.5	19	9.552	6.944	5.786	5.143	4.737	4.459	4.256	4.103	3.982	3.885
3	215.7	19.16	9.277	6.591	5.409	4.757	4.347	4.066	3.863	3.708	3.587	3.49
4	224.6	19.25	9.117	6.388	5.192	4.534	4.12	3.838	3.633	3.478	3.357	3.259
5	230.2	19.3	9.013	6.256	5.05	4.387	3.972	3.687	3.482	3.326	3.204	3.106
6	234	19.33	8.941	6.163	4.95	4.284	3.866	3.581	3.374	3.217	3.095	2.996
7	236.8	19.35	8.887	6.094	4.876	4.207	3.787	3.5	3.293	3.135	3.012	2.913
8	238.9	19.37	8.845	6.041	4.818	4.147	3.726	3.438	3.23	3.072	2.948	2.849
9	240.5	19.38	8.812	5.999	4.772	4.099	3.677	3.388	3.179	3.02	2.896	2.796
10	241.9	19.4	8.786	5.964	4.735	4.06	3.637	3.347	3.137	2.978	2.854	2.753
11	243	19.4	8.763	5.936	4.704	4.027	3.603	3.313	3.102	2.943	2.818	2.717
12	243.9	19.41	8.745	5.912	4.678	4	3.575	3.284	3.073	2.913	2.788	2.687
14	245.4	19.42	8.715	5.873	4.636	3.956	3.529	3.237	3.025	2.865	2.739	2.637
16	246.5	19.43	8.692	5.844	4.604	3.922	3.494	3.202	2.989	2.828	2.701	2.599
20	248	19.45	8.66	5.803	4.558	3.874	3.445	3.15	2.936	2.774	2.646	2.544
24	249.1	19.45	8.639	5.774	4.527	3.841	3.41	3.115	2.9	2.737	2.609	2.505
30	250.1	19.46	8.617	5.746	4.496	3.808	3.376	3.079	2.864	2.7	2.57	2.466
40	251.1	19.47	8.594	5.717	4.464	3.774	3.34	3.043	2.826	2.661	2.531	2.426
50	251.8	19.48	8.581	5.699	4.444	3.754	3.319	3.02	2.803	2.637	2.507	2.401
75	252.6	19.48	8.563	5.676	4.418	3.726	3.29	2.99	2.771	2.605	2.473	2.367
100	253	19.49	8.554	5.664	4.405	3.712	3.275	2.975	2.756	2.588	2.457	2.35
200	253.7	19.49	8.54	5.646	4.385	3.69	3.252	2.951	2.731	2.563	2.431	2.323
500	254.1	19.49	8.532	5.635	4.373	3.678	3.239	2.937	2.717	2.548	2.415	2.307
∞	254.3	19.5	8.526	5.628	4.365	3.669	3.23	2.928	2.707	2.538	2.404	2.296

m\n	14	16	20	24	30	40	50	75	100	200	500	∞
1	4.6	4.494	4.351	4.26	4.171	4.085	4.034	3.968	3.936	3.888	3.86	3.841
2	3.739	3.634	3.493	3.403	3.316	3.232	3.183	3.119	3.087	3.041	3.014	2.996
3	3.344	3.239	3.098	3.009	2.922	2.839	2.79	2.727	2.696	2.65	2.623	2.605
4	3.112	3.007	2.866	2.776	2.69	2.606	2.557	2.494	2.463	2.417	2.39	2.372
5	2.958	2.852	2.711	2.621	2.534	2.449	2.4	2.337	2.305	2.259	2.232	2.214
6	2.848	2.741	2.599	2.508	2.421	2.336	2.286	2.222	2.191	2.144	2.117	2.099
7	2.764	2.657	2.514	2.423	2.334	2.249	2.199	2.134	2.103	2.056	2.028	2.01
8	2.699	2.591	2.447	2.355	2.266	2.18	2.13	2.064	2.032	1.985	1.957	1.938
9	2.646	2.538	2.393	2.3	2.211	2.124	2.073	2.007	1.975	1.927	1.899	1.88
10	2.602	2.494	2.348	2.255	2.165	2.077	2.026	1.959	1.927	1.878	1.85	1.831
11	2.565	2.456	2.31	2.216	2.126	2.038	1.986	1.919	1.886	1.837	1.808	1.789
12	2.534	2.425	2.278	2.183	2.092	2.003	1.952	1.884	1.85	1.801	1.772	1.752
14	2.484	2.373	2.225	2.13	2.037	1.948	1.895	1.826	1.792	1.742	1.712	1.692
16	2.445	2.333	2.184	2.088	1.995	1.904	1.85	1.78	1.746	1.694	1.664	1.644
20	2.388	2.276	2.124	2.027	1.932	1.839	1.784	1.712	1.676	1.623	1.592	1.571
24	2.349	2.235	2.082	1.984	1.887	1.793	1.737	1.663	1.627	1.572	1.539	1.517
30	2.308	2.194	2.039	1.939	1.841	1.744	1.687	1.611	1.573	1.516	1.482	1.459
40	2.266	2.151	1.994	1.892	1.792	1.693	1.634	1.555	1.515	1.455	1.419	1.394
50	2.241	2.124	1.966	1.863	1.761	1.66	1.599	1.518	1.477	1.415	1.376	1.35
75	2.205	2.087	1.927	1.822	1.718	1.614	1.551	1.466	1.422	1.354	1.312	1.283
100	2.187	2.068	1.907	1.8	1.695	1.589	1.525	1.437	1.392	1.321	1.275	1.243
200	2.159	2.039	1.875	1.768	1.66	1.551	1.484	1.391	1.342	1.263	1.21	1.17
500	2.142	2.022	1.856	1.747	1.637	1.526	1.457	1.36	1.308	1.221	1.159	1.106
∞	2.131	2.01	1.843	1.733	1.622	1.509	1.438	1.338	1.283	1.189	1.113	1

9 Fisherjeva porazdelitev (stopnja značilnosti: 2,5 %)

m\n	1	2	3	4	5	6	7	8	9	10	11	12
1	647.8	38.51	17.44	12.22	10.01	8.813	8.073	7.571	7.209	6.937	6.724	6.554
2	799.5	39	16.04	10.65	8.434	7.26	6.542	6.059	5.715	5.456	5.256	5.096
3	864.2	39.17	15.44	9.979	7.764	6.599	5.89	5.416	5.078	4.826	4.63	4.474
4	899.6	39.25	15.1	9.605	7.388	6.227	5.523	5.053	4.718	4.468	4.275	4.121
5	921.8	39.3	14.88	9.364	7.146	5.988	5.285	4.817	4.484	4.236	4.044	3.891
6	937.1	39.33	14.73	9.197	6.978	5.82	5.119	4.652	4.32	4.072	3.881	3.728
7	948.2	39.36	14.62	9.074	6.853	5.695	4.995	4.529	4.197	3.95	3.759	3.607
8	956.7	39.37	14.54	8.98	6.757	5.6	4.899	4.433	4.102	3.855	3.664	3.512
9	963.3	39.39	14.47	8.905	6.681	5.523	4.823	4.357	4.026	3.779	3.588	3.436
10	968.6	39.4	14.42	8.844	6.619	5.461	4.761	4.295	3.964	3.717	3.526	3.374
11	973	39.41	14.37	8.794	6.568	5.41	4.709	4.243	3.912	3.665	3.474	3.321
12	976.7	39.41	14.34	8.751	6.525	5.366	4.666	4.2	3.868	3.621	3.43	3.277
14	982.5	39.43	14.28	8.684	6.456	5.297	4.596	4.13	3.798	3.55	3.359	3.206
16	986.9	39.44	14.23	8.633	6.403	5.244	4.543	4.076	3.744	3.496	3.304	3.152
20	993.1	39.45	14.17	8.56	6.329	5.168	4.467	3.999	3.667	3.419	3.226	3.073
24	997.2	39.46	14.12	8.511	6.278	5.117	4.415	3.947	3.614	3.365	3.173	3.019
30	1001	39.46	14.08	8.461	6.227	5.065	4.362	3.894	3.56	3.311	3.118	2.963
40	1006	39.47	14.04	8.411	6.175	5.012	4.309	3.84	3.505	3.255	3.061	2.906
50	1008	39.48	14.01	8.381	6.144	4.98	4.276	3.807	3.472	3.221	3.027	2.871
75	1011	39.48	13.97	8.34	6.101	4.937	4.232	3.762	3.426	3.175	2.98	2.824
100	1013	39.49	13.96	8.319	6.08	4.915	4.21	3.739	3.403	3.152	2.956	2.8
200	1016	39.49	13.93	8.289	6.048	4.882	4.176	3.705	3.368	3.116	2.92	2.763
500	1017	39.5	13.91	8.27	6.028	4.862	4.156	3.684	3.347	3.094	2.898	2.74
∞	1018	39.5	13.9	8.257	6.015	4.849	4.142	3.67	3.333	3.08	2.883	2.725

Verjetnostne porazdelitve vrednosti statističnih enot v statistični populaciji

m\n	14	16	20	24	30	40	50	75	100	200	500	∞
1	6.298	6.115	5.871	5.717	5.568	5.424	5.34	5.232	5.179	5.1	5.054	5.024
2	4.857	4.687	4.461	4.319	4.182	4.051	3.975	3.876	3.828	3.758	3.716	3.689
3	4.242	4.077	3.859	3.721	3.589	3.463	3.39	3.296	3.25	3.182	3.142	3.116
4	3.892	3.729	3.515	3.379	3.25	3.126	3.054	2.962	2.917	2.85	2.811	2.786
5	3.663	3.502	3.289	3.155	3.026	2.904	2.833	2.741	2.696	2.63	2.592	2.567
6	3.501	3.341	3.128	2.995	2.867	2.744	2.674	2.582	2.537	2.472	2.434	2.408
7	3.38	3.219	3.007	2.874	2.746	2.624	2.553	2.461	2.417	2.351	2.313	2.288
8	3.285	3.125	2.913	2.779	2.651	2.529	2.458	2.366	2.321	2.256	2.217	2.192
9	3.209	3.049	2.837	2.703	2.575	2.452	2.381	2.289	2.244	2.178	2.139	2.114
10	3.147	2.986	2.774	2.64	2.511	2.388	2.317	2.224	2.179	2.113	2.074	2.048
11	3.095	2.934	2.721	2.586	2.458	2.334	2.263	2.17	2.124	2.058	2.019	1.993
12	3.05	2.889	2.676	2.541	2.412	2.288	2.216	2.123	2.077	2.01	1.971	1.945
14	2.979	2.817	2.603	2.468	2.338	2.213	2.14	2.046	2	1.932	1.892	1.866
16	2.923	2.761	2.547	2.411	2.28	2.154	2.081	1.986	1.939	1.87	1.83	1.803
20	2.844	2.681	2.464	2.327	2.195	2.068	1.993	1.896	1.849	1.778	1.736	1.708
24	2.789	2.625	2.408	2.269	2.136	2.007	1.931	1.833	1.784	1.712	1.669	1.64
30	2.732	2.568	2.349	2.209	2.074	1.943	1.866	1.765	1.715	1.64	1.596	1.566
40	2.674	2.509	2.287	2.146	2.009	1.875	1.796	1.692	1.64	1.562	1.515	1.484
50	2.638	2.472	2.249	2.107	1.968	1.832	1.752	1.645	1.592	1.511	1.462	1.428
75	2.59	2.422	2.197	2.052	1.911	1.772	1.689	1.578	1.522	1.435	1.381	1.345
100	2.565	2.396	2.17	2.024	1.882	1.741	1.656	1.542	1.483	1.393	1.336	1.296
200	2.526	2.357	2.128	1.981	1.835	1.691	1.603	1.483	1.42	1.32	1.254	1.205
500	2.503	2.333	2.103	1.954	1.806	1.659	1.569	1.444	1.378	1.269	1.192	1.128
∞	2.487	2.316	2.085	1.935	1.787	1.637	1.545	1.417	1.347	1.229	1.137	1

10 Fisherjeva porazdelitev (stopnja značilnosti: 1 %)

m\n	1	2	3	4	5	6	7	8	9	10	11	12
1	4052	98.5	34.12	21.2	16.26	13.75	12.25	11.26	10.56	10.04	9.646	9.33
2	4999	99	30.82	18	13.27	10.92	9.547	8.649	8.022	7.559	7.206	6.927
3	5403	99.17	29.46	16.69	12.06	9.78	8.451	7.591	6.992	6.552	6.217	5.953
4	5625	99.25	28.71	15.98	11.39	9.148	7.847	7.006	6.422	5.994	5.668	5.412
5	5764	99.3	28.24	15.52	10.97	8.746	7.46	6.632	6.057	5.636	5.316	5.064
6	5859	99.33	27.91	15.21	10.67	8.466	7.191	6.371	5.802	5.386	5.069	4.821
7	5928	99.36	27.67	14.98	10.46	8.26	6.993	6.178	5.613	5.2	4.886	4.64
8	5981	99.37	27.49	14.8	10.29	8.102	6.84	6.029	5.467	5.057	4.744	4.499
9	6022	99.39	27.35	14.66	10.16	7.976	6.719	5.911	5.351	4.942	4.632	4.388
10	6056	99.4	27.23	14.55	10.05	7.874	6.62	5.814	5.257	4.849	4.539	4.296
11	6083	99.41	27.13	14.45	9.963	7.79	6.538	5.734	5.178	4.772	4.462	4.22
12	6106	99.42	27.05	14.37	9.888	7.718	6.469	5.667	5.111	4.706	4.397	4.155
14	6143	99.43	26.92	14.25	9.77	7.605	6.359	5.559	5.005	4.601	4.293	4.052
16	6170	99.44	26.83	14.15	9.68	7.519	6.275	5.477	4.924	4.52	4.213	3.972
20	6209	99.45	26.69	14.02	9.553	7.396	6.155	5.359	4.808	4.405	4.099	3.858
24	6235	99.46	26.6	13.93	9.466	7.313	6.074	5.279	4.729	4.327	4.021	3.78
30	6261	99.47	26.5	13.84	9.379	7.229	5.992	5.198	4.649	4.247	3.941	3.701
40	6287	99.47	26.41	13.75	9.291	7.143	5.908	5.116	4.567	4.165	3.86	3.619
50	6303	99.48	26.35	13.69	9.238	7.091	5.858	5.065	4.517	4.115	3.81	3.569
75	6324	99.49	26.28	13.61	9.166	7.022	5.789	4.998	4.449	4.048	3.742	3.501
100	6334	99.49	26.24	13.58	9.13	6.987	5.755	4.963	4.415	4.014	3.708	3.467
200	6350	99.49	26.18	13.52	9.075	6.934	5.702	4.911	4.363	3.962	3.656	3.414
500	6360	99.5	26.15	13.49	9.042	6.902	5.671	4.88	4.332	3.93	3.624	3.382
∞	6366	99.5	26.13	13.46	9.02	6.88	5.65	4.859	4.311	3.909	3.602	3.361

m\n	14	16	20	24	30	40	50	75	100	200	500	∞
1	8.862	8.531	8.096	7.823	7.562	7.314	7.171	6.985	6.895	6.763	6.686	6.635
2	6.515	6.226	5.849	5.614	5.39	5.179	5.057	4.9	4.824	4.713	4.648	4.605
3	5.564	5.292	4.938	4.718	4.51	4.313	4.199	4.054	3.984	3.881	3.821	3.782
4	5.035	4.773	4.431	4.218	4.018	3.828	3.72	3.58	3.513	3.414	3.357	3.319
5	4.695	4.437	4.103	3.895	3.699	3.514	3.408	3.272	3.206	3.11	3.054	3.017
6	4.456	4.202	3.871	3.667	3.473	3.291	3.186	3.052	2.988	2.893	2.838	2.802
7	4.278	4.026	3.699	3.496	3.304	3.124	3.02	2.887	2.823	2.73	2.675	2.639
8	4.14	3.89	3.564	3.363	3.173	2.993	2.89	2.758	2.694	2.601	2.547	2.511
9	4.03	3.78	3.457	3.256	3.067	2.888	2.785	2.653	2.59	2.497	2.443	2.407
10	3.939	3.691	3.368	3.168	2.979	2.801	2.698	2.567	2.503	2.411	2.356	2.321
11	3.864	3.616	3.294	3.094	2.906	2.727	2.625	2.494	2.43	2.338	2.283	2.248
12	3.8	3.553	3.231	3.032	2.843	2.665	2.562	2.431	2.368	2.275	2.22	2.185
14	3.698	3.451	3.13	2.93	2.742	2.563	2.461	2.329	2.265	2.172	2.117	2.082
16	3.619	3.372	3.051	2.852	2.663	2.484	2.382	2.249	2.185	2.091	2.036	2
20	3.505	3.259	2.938	2.738	2.549	2.369	2.265	2.132	2.067	1.971	1.915	1.878
24	3.427	3.181	2.859	2.659	2.469	2.288	2.183	2.048	1.983	1.886	1.829	1.791
30	3.348	3.101	2.778	2.577	2.386	2.203	2.098	1.96	1.893	1.794	1.735	1.696
40	3.266	3.018	2.695	2.492	2.299	2.114	2.007	1.866	1.797	1.694	1.633	1.592
50	3.215	2.967	2.643	2.44	2.245	2.058	1.949	1.806	1.735	1.629	1.566	1.523
75	3.147	2.898	2.572	2.367	2.17	1.98	1.868	1.72	1.646	1.534	1.465	1.419
100	3.112	2.863	2.535	2.329	2.131	1.938	1.825	1.674	1.598	1.481	1.408	1.358
200	3.059	2.808	2.479	2.271	2.07	1.874	1.757	1.599	1.518	1.391	1.308	1.247
500	3.026	2.775	2.445	2.235	2.032	1.833	1.713	1.551	1.466	1.328	1.232	1.153
∞	3.004	2.753	2.421	2.211	2.006	1.805	1.683	1.516	1.427	1.279	1.164	1

11   Spermann-ova porazdelitev

n	| Nominal α						n	| Nominal α					
	0.10	0.05	0.025	0.01	0.005	0.001		0.10	0.05	0.025	0.01	0.005	0.001
4	1.000	1.000	--	--	--	--	33	0.229	0.291	0.345	0.105	0.446	0.525
5	0.800	0.900	1.000	1.000	--	--	34	0.225	0.287	0.340	0.400	0.439	0.517
6	0.657	0.829	0.886	0.943	1.000	--	35	0.222	0.283	0.335	0.394	0.433	0.510
7	0.571	0.714	0.786	0.893	0.929	1.000	36	0.219	0.279	0.330	0.388	0.427	0.503
8	0.542	0.643	0.738	0.833	0.881	0.952	37	0.215	0.275	0.325	0.383	0.421	0.497
9	0.483	0.600	0.700	0.783	0.833	0.917	38	0.212	0.271	0.321	0.378	0.415	0.491
10	0.455	0.564	0.648	0.745	0.794	0.879	39	0.210	0.267	0.317	0.373	0.410	0.485
11	0.427	0.536	0.618	0.709	0.755	0.845	40	0.207	0.264	0.313	0.368	0.405	0.479
12	0.406	0.503	0.587	0.678	0.727	0.818	41	0.204	0.261	0.309	0.364	0.400	0.473
13	0.385	0.484	0.560	0.648	0.703	0.791	42	0.202	0.257	0.305	0.359	0.396	0.468
14	0.367	0.464	0.538	0.626	0.679	0.771	43	0.199	0.254	0.301	0.355	0.391	0.462
15	0.354	0.446	0.521	0.604	0.654	0.750	44	0.197	0.251	0.298	0.351	0.386	0.457
16	0.341	0.429	0.503	0.582	0.635	0.729	45	0.194	0.248	0.294	0.347	0.382	0.452
17	0.328	0.414	0.488	0.566	0.618	0.711	46	0.192	0.246	0.291	0.343	0.378	0.448
18	0.317	0.401	0.472	0.550	0.600	0.692	47	0.190	0.243	0.288	0.340	0.374	0.443
19	0.309	0.391	0.460	0.535	0.584	0.675	48	0.188	0.240	0.285	0.336	0.370	0.439
20	0.299	0.380	0.447	0.522	0.570	0.662	49	0.186	0.238	0.282	0.333	0.366	0.434
21	0.292	0.370	0.436	0.509	0.556	0.647	50	0.184	0.235	0.279	0.329	0.363	0.430
22	0.284	0.361	0.425	0.497	0.544	0.633	51	0.182	0.233	0.276	0.326	0.359	0.426
23	0.278	0.353	0.416	0.486	0.532	0.621	52	0.180	0.231	0.274	0.323	0.356	0.422
24	0.271	0.344	0.407	0.476	0.521	0.609	53	0.179	0.228	0.271	0.320	0.352	0.418
25	0.265	0.337	0.398	0.466	0.511	0.597	54	0.177	0.226	0.268	0.317	0.349	0.414
26	0.259	0.331	0.390	0.457	0.501	0.586	55	0.175	0.224	0.266	0.314	0.346	0.411
27	0.255	0.324	0.383	0.449	0.492	0.576	56	0.174	0.222	0.264	0.311	0.343	0.407
28	0.250	0.318	0.375	0.441	0.483	0.567	57	0.172	0.220	0.261	0.308	0.340	0.404
29	0.245	0.312	0.368	0.433	0.475	0.558	58	0.171	0.218	0.259	0.306	0.337	0.400
30	0.240	0.306	0.362	0.425	0.467	0.549	59	0.169	0.216	0.257	0.303	0.334	0.397
31	0.236	0.301	0.356	0.419	0.459	0.540	60	0.168	0.214	0.255	0.301	0.331	0.394
32	0.232	0.296	0.350	0.412	0.452	0.532							