Kapitola 1

Tabulky

Tabulka 1.1: **Hodnoty distribuční funkce $\Phi(x)$ normované normální náhodné veličiny**

x	$\Phi(x)$	x	$\Phi(x)$	x	$\Phi(x)$	x	$\Phi(x)$	x	$\Phi(x)$
0.00	0.5000	0.40	0.6554	0.80	0.7881	1.20	0.8849	1.60	0.9452
0.01	0.5040	0.41	0.6591	0.81	0.7910	1.21	0.8869	1.61	0.9463
0.02	0.5080	0.42	0.6628	0.82	0.7939	1.22	0.8888	1.62	0.9474
0.03	0.5120	0.43	0.6664	0.83	0.7967	1.23	0.8907	1.63	0.9484
0.04	0.5160	0.44	0.6700	0.84	0.7995	1.24	0.8925	1.64	0.9495
0.05	0.5199	0.45	0.6736	0.85	0.8023	1.25	0.8944	1.65	0.9505
0.06	0.5239	0.46	0.6772	0.86	0.8051	1.26	0.8962	1.66	0.9515
0.07	0.5279	0.47	0.6808	0.87	0.8079	1.27	0.8980	1.67	0.9525
0.08	0.5319	0.48	0.6844	0.88	0.8106	1.28	0.8997	1.68	0.9535
0.09	0.5359	0.49	0.6879	0.89	0.8133	1.29	0.9015	1.69	0.9545
0.10	0.5398	0.50	0.6915	0.90	0.8159	1.30	0.9032	1.70	0.9554
0.11	0.5438	0.51	0.6950	0.91	0.8186	1.31	0.9049	1.71	0.9564
0.12	0.5478	0.52	0.6985	0.92	0.8212	1.32	0.9066	1.72	0.9573
0.13	0.5517	0.53	0.7019	0.93	0.8238	1.33	0.9082	1.73	0.9582
0.14	0.5557	0.54	0.7054	0.94	0.8264	1.34	0.9099	1.74	0.9591
0.15	0.5596	0.55	0.7088	0.95	0.8289	1.35	0.9115	1.75	0.9599
0.16	0.5636	0.56	0.7123	0.96	0.8315	1.36	0.9131	1.76	0.9608
0.17	0.5675	0.57	0.7157	0.97	0.8340	1.37	0.9147	1.77	0.9616
0.18	0.5714	0.58	0.7190	0.98	0.8365	1.38	0.9162	1.78	0.9625
0.19	0.5753	0.59	0.7224	0.99	0.8389	1.39	0.9177	1.79	0.9633
0.20	0.5793	0.60	0.7257	1.00	0.8413	1.40	0.9192	1.80	0.9641
0.21	0.5832	0.61	0.7291	1.01	0.8438	1.41	0.9207	1.81	0.9649
0.22	0.5871	0.62	0.7324	1.02	0.8461	1.42	0.9222	1.82	0.9656
0.23	0.5910	0.63	0.7357	1.03	0.8485	1.43	0.9236	1.83	0.9664
0.24	0.5948	0.64	0.7389	1.04	0.8508	1.44	0.9251	1.84	0.9671
0.25	0.5987	0.65	0.7422	1.05	0.8531	1.45	0.9265	1.85	0.9678
0.26	0.6026	0.66	0.7454	1.06	0.8554	1.46	0.9279	1.86	0.9686
0.27	0.6064	0.67	0.7486	1.07	0.8577	1.47	0.9292	1.87	0.9693
0.28	0.6103	0.68	0.7517	1.08	0.8599	1.48	0.9306	1.88	0.9699
0.29	0.6141	0.69	0.7549	1.09	0.8621	1.49	0.9319	1.89	0.9706
0.30	0.6179	0.70	0.7580	1.10	0.8643	1.50	0.9332	1.90	0.9712
0.31	0.6217	0.71	0.7611	1.11	0.8665	1.51	0.9345	1.91	0.9719
0.32	0.6255	0.72	0.7642	1.12	0.8686	1.52	0.9357	1.92	0.9726
0.33	0.6293	0.73	0.7673	1.13	0.8708	1.53	0.9370	1.93	0.9732
0.34	0.6331	0.74	0.7704	1.14	0.8729	1.54	0.9382	1.94	0.9738
0.35	0.6368	0.75	0.7734	1.15	0.8749	1.55	0.9394	1.95	0.9744
0.36	0.6406	0.76	0.7764	1.16	0.8770	1.56	0.9406	1.96	0.9750
0.37	0.6443	0.77	0.7794	1.17	0.8790	1.57	0.9418	1.97	0.9756
0.38	0.6480	0.78	0.7823	1.18	0.8810	1.58	0.9429	1.98	0.9761
0.39	0.6517	0.79	0.7852	1.19	0.8830	1.59	0.9441	1.99	0.9767

Tabulka 1.2: **Hodnoty distribuční funkce $\Phi(x)$ normované normální náhodné veličiny**

x	$\Phi(x)$	x	$\Phi(x)$	x	$\Phi(x)$	x	$\Phi(x)$	x	$\Phi(x)$
2.00	0.9773	2.40	0.9918	2.80	0.9974	3.20	0.9993	3.60	0.9998
2.01	0.9778	2.41	0.9920	2.81	0.9975	3.21	0.9993	3.61	0.9998
2.02	0.9783	2.42	0.9922	2.82	0.9976	3.22	0.9994	3.62	0.9999
2.03	0.9788	2.43	0.9925	2.83	0.9977	3.23	0.9994	3.63	0.9999
2.04	0.9793	2.44	0.9927	2.84	0.9977	3.24	0.9994	3.64	0.9999
2.05	0.9798	2.45	0.9929	2.85	0.9978	3.25	0.9994	3.65	0.9999
2.06	0.9803	2.46	0.9931	2.86	0.9979	3.26	0.9994	3.66	0.9999
2.07	0.9808	2.47	0.9932	2.87	0.9979	3.27	0.9995	3.67	0.9999
2.08	0.9812	2.48	0.9934	2.88	0.9980	3.28	0.9995	3.68	0.9999
2.09	0.9817	2.49	0.9936	2.89	0.9981	3.29	0.9995	3.69	0.9999
2.10	0.9821	2.50	0.9938	2.90	0.9981	3.30	0.9995	3.70	0.9999
2.11	0.9826	2.51	0.9940	2.91	0.9982	3.31	0.9995	3.71	0.9999
2.12	0.9830	2.52	0.9941	2.92	0.9983	3.32	0.9996	3.72	0.9999
2.13	0.9834	2.53	0.9943	2.93	0.9983	3.33	0.9996	3.73	0.9999
2.14	0.9838	2.54	0.9945	2.94	0.9984	3.34	0.9996	3.74	0.9999
2.15	0.9842	2.55	0.9946	2.95	0.9984	3.35	0.9996	3.75	0.9999
2.16	0.9846	2.56	0.9948	2.96	0.9985	3.36	0.9996	3.76	0.9999
2.17	0.9850	2.57	0.9949	2.97	0.9985	3.37	0.9996	3.77	0.9999
2.18	0.9854	2.58	0.9951	2.98	0.9986	3.38	0.9996	3.78	0.9999
2.19	0.9857	2.59	0.9952	2.99	0.9986	3.39	0.9997	3.79	0.9999
2.20	0.9861	2.60	0.9953	3.00	0.9987	3.40	0.9997	3.80	0.9999
2.21	0.9864	2.61	0.9955	3.01	0.9987	3.41	0.9997	3.81	0.9999
2.22	0.9868	2.62	0.9956	3.02	0.9987	3.42	0.9997	3.82	0.9999
2.23	0.9871	2.63	0.9957	3.03	0.9988	3.43	0.9997	3.83	0.9999
2.24	0.9875	2.64	0.9959	3.04	0.9988	3.44	0.9997	3.84	0.9999
2.25	0.9878	2.65	0.9960	3.05	0.9989	3.45	0.9997	3.85	0.9999
2.26	0.9881	2.66	0.9961	3.06	0.9989	3.46	0.9997	3.86	0.9999
2.27	0.9884	2.67	0.9962	3.07	0.9989	3.47	0.9997	3.87	0.9999
2.28	0.9887	2.68	0.9963	3.08	0.9990	3.48	0.9997	3.88	0.9999
2.29	0.9890	2.69	0.9964	3.09	0.9990	3.49	0.9998	3.89	1.0000
2.30	0.9893	2.70	0.9965	3.10	0.9990	3.50	0.9998	3.90	1.0000
2.31	0.9896	2.71	0.9966	3.11	0.9991	3.51	0.9998	3.91	1.0000
2.32	0.9898	2.72	0.9967	3.12	0.9991	3.52	0.9998	3.92	1.0000
2.33	0.9901	2.73	0.9968	3.13	0.9991	3.53	0.9998	3.93	1.0000
2.34	0.9904	2.74	0.9969	3.14	0.9992	3.54	0.9998	3.94	1.0000
2.35	0.9906	2.75	0.9970	3.15	0.9992	3.55	0.9998	3.95	1.0000
2.36	0.9909	2.76	0.9971	3.16	0.9992	3.56	0.9998	3.96	1.0000
2.37	0.9911	2.77	0.9972	3.17	0.9992	3.57	0.9998	3.97	1.0000
2.38	0.9913	2.78	0.9973	3.18	0.9993	3.58	0.9998	3.98	1.0000
2.39	0.9916	2.79	0.9974	3.19	0.9993	3.59	0.9998	3.99	1.0000

Tabulka 1.3: **Kvantily $u(\alpha)$ normované normální náhodné veličiny**

α	0.900	0.950	0.975	0.990	0.995
$u(\alpha)$	1.282	1.645	1.960	2.326	2.576

Tabulka 1.4: **Kvantily $\chi^2(n;\alpha)$ rozdělení $\chi^2(n)$**

$n\backslash\alpha$	0.005	0.010	0.025	0.050	0.100	0.900	0.950	0.975	0.990	0.995
1	0.000	0.000	0.001	0.004	0.016	2.706	3.842	5.024	6.635	7.879
2	0.010	0.020	0.051	0.103	0.211	4.605	5.992	7.378	9.210	10.60
3	0.072	0.115	0.216	0.352	0.584	6.251	7.815	9.348	11.35	12.84
4	0.207	0.292	0.484	0.711	1.064	7.779	9.488	11.14	13.28	14.86
5	0.412	0.554	0.831	1.146	1.610	9.236	11.07	12.83	15.09	16.75
6	0.676	0.872	1.237	1.635	2.204	10.65	12.59	14.45	16.81	18.55
7	0.989	1.239	1.690	2.167	2.833	12.02	14.07	16.01	18.48	20.28
8	1.344	1.647	2.180	2.733	3.490	13.36	15.51	17.54	20.09	21.96
9	1.735	2.088	2.700	3.325	4.168	14.68	16.92	19.02	21.67	23.59
10	2.156	2.558	3.249	3.940	4.865	15.99	18.31	20.48	23.21	25.19
11	2.603	3.054	3.816	4.575	5.578	17.28	19.68	21.92	24.73	26.76
12	3.074	3.571	4.404	5.226	6.304	18.55	21.03	23.34	26.22	28.30
13	3.565	4.107	5.009	5.892	7.042	19.81	22.36	24.74	27.69	29.82
14	4.075	4.660	5.629	6.571	7.790	21.06	23.69	26.12	29.14	31.32
15	4.601	5.229	6.262	7.261	8.547	22.31	25.00	27.49	30.58	32.80
16	5.142	5.812	6.608	7.962	9.312	23.54	26.30	28.85	32.00	34.27
17	5.697	6.408	7.564	8.672	10.09	24.77	27.59	30.19	33.41	35.72
18	6.265	7.015	8.231	9.391	10.87	25.99	28.87	31.53	34.81	37.16
19	6.844	7.633	8.907	10.12	11.65	27.20	30.14	32.85	36.19	38.58
20	7.434	8.260	9.591	10.85	12.44	28.41	31.41	34.17	37.57	40.00
21	8.034	8.897	10.28	11.59	13.34	29.62	32.67	35.48	38.93	41.40
22	8.643	9.543	10.98	12.34	14.04	30.81	33.92	36.78	40.29	42.80
23	9.260	10.20	11.69	13.09	14.85	32.01	35.17	38.08	41.64	44.18
24	9.887	10.86	12.40	13.85	15.66	33.20	36.42	39.36	42.98	45.56
25	10.52	11.52	13.12	14.61	16.47	34.38	37.65	40.65	44.31	46.93
26	11.16	12.20	13.84	15.38	17.29	35.56	38.89	41.92	45.64	48.29
27	11.81	12.88	14.57	16.15	18.11	36.74	40.11	43.20	46.96	49.65
28	12.46	13.57	15.31	16.93	18.94	37.92	41.34	44.46	48.28	50.99
29	13.12	14.26	16.05	17.71	19.77	39.09	42.56	45.72	49.59	52.34
30	13.79	14.95	16.79	18.49	20.60	40.26	43.77	46.98	50.89	53.67

Tabulka 1.5: **Kvantily $t(n;\alpha)$ rozdělení $t(n)$**

$n\backslash\alpha$	0.900	0.950	0.975	0.990	0.995
1	3.078	6.314	12.71	31.82	63.66
2	1.886	2.920	4.303	6.964	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	3.500
8	1.397	1.860	2.306	2.897	3.355
9	1.383	1.833	2.262	2.821	3.250
10	1.372	1.813	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	2.625	2.977
15	1.341	1.753	2.131	2.603	2.947
16	1.337	1.746	2.120	2.584	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	2.540	2.861
20	1.325	1.725	2.086	2.520	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	1.320	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	1.705	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
∞	1.282	1.645	1.960	2.326	2.576