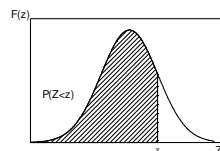
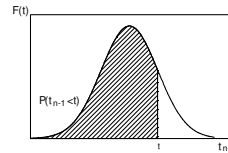


Tabel 9.1: Standaard normale verdeling



		Tweede decimaal van z									
z	.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	

Tabel 9.2: t-verdeling

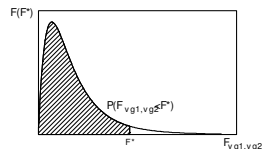


vg	P						
	.750	.900	.950	.975	.990	.995	.999
1	1.000	3.078	6.314	12.706	31.821	63.656	318.289
2	0.816	1.886	2.920	4.303	6.965	9.925	22.328
3	0.765	1.638	2.353	3.182	4.541	5.841	10.214
4	0.741	1.533	2.132	2.776	3.747	4.604	7.173
5	0.727	1.476	2.015	2.571	3.365	4.032	5.894
6	0.718	1.440	1.943	2.447	3.143	3.707	5.208
7	0.711	1.415	1.895	2.365	2.998	3.499	4.785
8	0.706	1.397	1.860	2.306	2.896	3.355	4.501
9	0.703	1.383	1.833	2.262	2.821	3.250	4.297
10	0.700	1.372	1.812	2.228	2.764	3.169	4.144
11	0.697	1.363	1.796	2.201	2.718	3.106	4.025
12	0.695	1.356	1.782	2.179	2.681	3.055	3.930
13	0.694	1.350	1.771	2.160	2.650	3.012	3.852
14	0.692	1.345	1.761	2.145	2.624	2.977	3.787
15	0.691	1.341	1.753	2.131	2.602	2.947	3.733
16	0.690	1.337	1.746	2.120	2.583	2.921	3.686
17	0.689	1.333	1.740	2.110	2.567	2.898	3.646
18	0.688	1.330	1.734	2.101	2.552	2.878	3.610
19	0.688	1.328	1.729	2.093	2.539	2.861	3.579
20	0.687	1.325	1.725	2.086	2.528	2.845	3.552
21	0.686	1.323	1.721	2.080	2.518	2.831	3.527
22	0.686	1.321	1.717	2.074	2.508	2.819	3.505
23	0.685	1.319	1.714	2.069	2.500	2.807	3.485
24	0.685	1.318	1.711	2.064	2.492	2.797	3.467
25	0.684	1.316	1.708	2.060	2.485	2.787	3.450
26	0.684	1.315	1.706	2.056	2.479	2.779	3.435
27	0.684	1.314	1.703	2.052	2.473	2.771	3.421
28	0.683	1.313	1.701	2.048	2.467	2.763	3.408
29	0.683	1.311	1.699	2.045	2.462	2.756	3.396
30	0.683	1.310	1.697	2.042	2.457	2.750	3.385
40	0.681	1.303	1.684	2.021	2.423	2.704	3.307
60	0.679	1.296	1.671	2.000	2.390	2.660	3.232
120	0.677	1.289	1.658	1.980	2.358	2.617	3.160
∞	0.674	1.282	1.645	1.960	2.326	2.576	3.090

Tabel 9.2 voortgezet

vg	P						
	0.983	0.988	0.992	0.993	0.994	0.995	0.996
1	19.081	25.452	38.189	44.557	50.922	63.656	76.392
2	5.339	6.205	7.649	8.277	8.860	9.925	10.886
3	3.740	4.177	4.857	5.138	5.392	5.841	6.232
4	3.186	3.495	3.961	4.148	4.315	4.604	4.851
5	2.912	3.163	3.534	3.681	3.810	4.032	4.219
6	2.749	2.969	3.287	3.412	3.521	3.707	3.863
7	2.642	2.841	3.128	3.238	3.335	3.499	3.636
8	2.566	2.752	3.016	3.117	3.206	3.355	3.479
9	2.510	2.685	2.933	3.028	3.111	3.250	3.364
10	2.466	2.634	2.870	2.960	3.038	3.169	3.277
11	2.431	2.593	2.820	2.906	2.981	3.106	3.208
12	2.403	2.560	2.779	2.863	2.934	3.055	3.153
13	2.380	2.533	2.746	2.827	2.896	3.012	3.107
14	2.360	2.510	2.718	2.796	2.864	2.977	3.069
15	2.343	2.490	2.694	2.770	2.837	2.947	3.036
16	2.328	2.473	2.673	2.748	2.813	2.921	3.008
17	2.316	2.458	2.655	2.729	2.793	2.898	2.984
18	2.304	2.445	2.639	2.712	2.775	2.878	2.963
19	2.294	2.433	2.625	2.697	2.759	2.861	2.944
20	2.285	2.423	2.613	2.683	2.744	2.845	2.927
21	2.278	2.414	2.601	2.671	2.732	2.831	2.912
22	2.270	2.405	2.591	2.661	2.720	2.819	2.899
23	2.264	2.398	2.582	2.651	2.710	2.807	2.886
24	2.258	2.391	2.574	2.642	2.700	2.797	2.875
25	2.252	2.385	2.566	2.634	2.692	2.787	2.865
26	2.247	2.379	2.559	2.626	2.684	2.779	2.856
27	2.243	2.373	2.552	2.619	2.676	2.771	2.847
28	2.238	2.368	2.546	2.613	2.669	2.763	2.839
29	2.234	2.364	2.541	2.607	2.663	2.756	2.832
30	2.231	2.360	2.536	2.601	2.657	2.750	2.825
40	2.204	2.329	2.499	2.562	2.616	2.704	2.776
60	2.178	2.299	2.463	2.524	2.575	2.660	2.729
120	2.153	2.270	2.428	2.486	2.536	2.617	2.683
∞	2.128	2.241	2.394	2.450	2.498	2.576	2.638

Tabel 9.3: F-verdeling



		Vrijheidsgraden teller										
	P	1	2	3	4	5	6	8	10	20	40	∞
1	.750	5.83	7.50	8.20	8.58	8.82	8.98	9.19	9.32	9.58	9.71	9.85
	.900	39.9	49.5	53.6	55.8	57.2	58.2	59.4	60.2	61.7	62.5	63.3
	.950	161	199	216	225	230	234	239	242	248	251	254
2	.750	2.57	3.00	3.15	3.23	3.28	3.31	3.35	3.38	3.43	3.45	3.48
	.900	8.53	9.00	9.16	9.24	9.29	9.33	9.37	9.39	9.44	9.47	9.49
	.950	18.5	19.0	19.2	19.2	19.3	19.3	19.3	19.4	19.4	19.4	19.5
	.990	98.5	99.0	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.5
3	.750	2.02	2.28	2.36	2.39	2.41	2.42	2.44	2.44	2.46	2.47	2.47
	.900	5.54	5.46	5.39	5.34	5.31	5.28	5.25	5.23	5.18	5.16	5.13
	.950	10.1	9.55	9.28	9.12	9.01	8.94	8.85	8.79	8.66	8.59	8.53
	.990	34.1	30.8	29.5	28.7	28.2	27.9	27.5	27.2	26.7	26.4	26.1
	.999	167	148	141	137	135	133	131	129	126	125.0	123.5
4	.750	1.81	2.00	2.05	2.06	2.07	2.08	2.08	2.08	2.08	2.08	2.08
	.900	4.54	4.32	4.19	4.11	4.05	4.01	3.95	3.92	3.84	3.80	3.76
	.950	7.71	6.94	6.59	6.39	6.26	6.16	6.04	5.96	5.80	5.72	5.63
	.990	21.2	18.0	16.7	16.0	15.5	15.2	14.8	14.5	14.0	13.7	13.5
	.999	74.1	61.2	56.2	53.4	51.7	50.5	49.0	48.1	46.1	45.1	44.0
5	.750	1.69	1.85	1.88	1.89	1.89	1.89	1.89	1.89	1.88	1.88	1.87
	.900	4.06	3.78	3.62	3.52	3.45	3.40	3.34	3.30	3.21	3.16	3.11
	.950	6.61	5.79	5.41	5.19	5.05	4.95	4.82	4.74	4.56	4.46	4.37
	.990	16.3	13.3	12.1	11.4	11.0	10.7	10.3	10.1	9.55	9.29	9.02
	.999	47.2	37.1	33.2	31.1	29.8	28.8	27.6	26.9	25.4	24.6	23.8
6	.750	1.62	1.76	1.78	1.79	1.79	1.78	1.78	1.77	1.76	1.75	1.74
	.900	3.78	3.46	3.29	3.18	3.11	3.05	2.98	2.94	2.84	2.78	2.72
	.950	5.99	5.14	4.76	4.53	4.39	4.28	4.15	4.06	3.87	3.77	3.67
	.990	13.7	10.9	9.78	9.15	8.75	8.47	8.10	7.87	7.40	7.14	6.88
	.999	35.5	27.0	23.7	21.9	20.8	20.0	19.0	18.4	17.1	16.4	15.7
7	.750	1.57	1.70	1.72	1.72	1.71	1.71	1.70	1.69	1.67	1.66	1.65
	.900	3.59	3.26	3.07	2.96	2.88	2.83	2.75	2.70	2.59	2.54	2.47
	.950	5.59	4.74	4.35	4.12	3.97	3.87	3.73	3.64	3.44	3.34	3.23
	.990	12.2	9.55	8.45	7.85	7.46	7.19	6.84	6.62	6.16	5.91	5.65
	.999	29.2	21.7	18.8	17.2	16.2	15.5	14.6	14.1	12.9	12.3	11.7
8	.750	1.54	1.66	1.67	1.66	1.66	1.65	1.64	1.63	1.61	1.59	1.58
	.900	3.46	3.11	2.92	2.81	2.73	2.67	2.59	2.54	2.42	2.36	2.29
	.950	5.32	4.46	4.07	3.84	3.69	3.58	3.44	3.35	3.15	3.04	2.93
	.990	11.3	8.65	7.59	7.01	6.63	6.37	6.03	5.81	5.36	5.12	4.86
	.999	25.4	18.5	15.8	14.4	13.5	12.9	12.0	11.5	10.5	9.92	9.33
9	.750	1.51	1.62	1.63	1.63	1.62	1.61	1.60	1.59	1.56	1.54	1.53
	.900	3.36	3.01	2.81	2.69	2.61	2.55	2.47	2.42	2.30	2.23	2.16
	.950	5.12	4.26	3.86	3.63	3.48	3.37	3.23	3.14	2.94	2.83	2.71
	.990	10.6	8.02	6.99	6.42	6.06	5.80	5.47	5.26	4.81	4.57	4.31
	.999	22.9	16.4	13.9	12.6	11.7	11.1	10.4	9.89	8.90	8.37	7.81
10	.750	1.49	1.60	1.60	1.59	1.59	1.58	1.56	1.55	1.52	1.51	1.48
	.900	3.29	2.92	2.73	2.61	2.52	2.46	2.38	2.32	2.20	2.13	2.06
	.950	4.96	4.10	3.71	3.48	3.33	3.22	3.07	2.98	2.77	2.66	2.54
	.990	10.0	7.56	6.55	5.99	5.64	5.39	5.06	4.85	4.41	4.17	3.91
	.999	21.0	14.9	12.6	11.3	10.5	9.93	9.20	8.75	7.80	7.30	6.76

Tabel 9.3 voortgezet

	P	Vrijheidsgraden teller										
		1	2	3	4	5	6	8	10	20	40	∞
12	.750	1.46	1.56	1.56	1.55	1.54	1.53	1.51	1.50	1.47	1.45	1.42
	.900	3.18	2.81	2.61	2.48	2.39	2.33	2.24	2.19	2.06	1.99	1.90
	.950	4.75	3.89	3.49	3.26	3.11	3.00	2.85	2.75	2.54	2.43	2.30
	.990	9.33	6.93	5.95	5.41	5.06	4.82	4.50	4.30	3.86	3.62	3.36
	.999	18.6	13.0	10.8	9.63	8.89	8.38	7.71	7.29	6.40	5.93	5.42
14	.750	1.44	1.53	1.53	1.52	1.51	1.50	1.48	1.46	1.43	1.41	1.38
	.900	3.10	2.73	2.52	2.39	2.31	2.24	2.15	2.10	1.96	1.89	1.80
	.950	4.60	3.74	3.34	3.11	2.96	2.85	2.70	2.60	2.39	2.27	2.13
	.990	8.86	6.51	5.56	5.04	4.69	4.46	4.14	3.94	3.51	3.27	3.00
	.999	17.1	11.8	9.73	8.62	7.92	7.44	6.80	6.40	5.56	5.10	4.60
16	.750	1.42	1.51	1.51	1.50	1.48	1.47	1.45	1.44	1.40	1.37	1.34
	.900	3.05	2.67	2.46	2.33	2.24	2.18	2.09	2.03	1.89	1.81	1.72
	.950	4.49	3.63	3.24	3.01	2.85	2.74	2.59	2.49	2.28	2.15	2.01
	.990	8.53	6.23	5.29	4.77	4.44	4.20	3.89	3.69	3.26	3.02	2.75
	.999	16.1	11.0	9.01	7.94	7.27	6.80	6.20	5.81	4.99	4.54	4.06
18	.750	1.41	1.50	1.49	1.48	1.46	1.45	1.43	1.42	1.38	1.35	1.32
	.900	3.01	2.62	2.42	2.29	2.20	2.13	2.04	1.98	1.84	1.75	1.66
	.950	4.41	3.55	3.16	2.93	2.77	2.66	2.51	2.41	2.19	2.06	1.92
	.990	8.29	6.01	5.09	4.58	4.25	4.01	3.71	3.51	3.08	2.84	2.57
	.999	15.4	10.4	8.49	7.46	6.81	6.35	5.76	5.39	4.59	4.15	3.67
20	.750	1.40	1.49	1.48	1.47	1.45	1.44	1.42	1.40	1.36	1.33	1.29
	.900	2.97	2.59	2.38	2.25	2.16	2.09	2.00	1.94	1.79	1.71	1.61
	.950	4.35	3.49	3.10	2.87	2.71	2.60	2.45	2.35	2.12	1.99	1.84
	.990	8.10	5.85	4.94	4.43	4.10	3.87	3.56	3.37	2.94	2.69	2.42
	.999	14.8	10.0	8.10	7.10	6.46	6.02	5.44	5.08	4.29	3.86	3.38
30	.750	1.38	1.45	1.44	1.42	1.41	1.39	1.37	1.35	1.30	1.27	1.23
	.900	2.88	2.49	2.28	2.14	2.05	1.98	1.88	1.82	1.67	1.57	1.46
	.950	4.17	3.32	2.92	2.69	2.53	2.42	2.27	2.16	1.93	1.79	1.62
	.990	7.56	5.39	4.51	4.02	3.70	3.47	3.17	2.98	2.55	2.30	2.01
	.999	13.3	8.77	7.05	6.12	5.53	5.12	4.58	4.24	3.49	3.07	2.59
40	.750	1.36	1.44	1.42	1.40	1.39	1.37	1.35	1.33	1.28	1.24	1.19
	.900	2.84	2.44	2.23	2.09	2.00	1.93	1.83	1.76	1.61	1.51	1.38
	.950	4.08	3.23	2.84	2.61	2.45	2.34	2.18	2.08	1.84	1.69	1.51
	.990	7.31	5.18	4.31	3.83	3.51	3.29	2.99	2.80	2.37	2.11	1.80
	.999	12.6	8.25	6.59	5.70	5.13	4.73	4.21	3.87	3.15	2.73	2.23
60	.750	1.35	1.42	1.41	1.38	1.37	1.35	1.32	1.30	1.25	1.21	1.15
	.900	2.79	2.39	2.18	2.04	1.95	1.87	1.77	1.71	1.54	1.44	1.29
	.950	4.00	3.15	2.76	2.53	2.37	2.25	2.10	1.99	1.75	1.59	1.39
	.990	7.08	4.98	4.13	3.65	3.34	3.12	2.82	2.63	2.20	1.94	1.60
	.999	12.0	7.77	6.17	5.31	4.76	4.37	3.86	3.54	2.83	2.41	1.89
100	.750	1.34	1.41	1.39	1.37	1.35	1.33	1.30	1.28	1.23	1.18	1.11
	.900	2.76	2.36	2.14	2.00	1.91	1.83	1.73	1.66	1.49	1.38	1.21
	.950	3.94	3.09	2.70	2.46	2.31	2.19	2.03	1.93	1.68	1.52	1.28
	.990	6.90	4.82	3.98	3.51	3.21	2.99	2.69	2.50	2.07	1.80	1.43
	.999	11.5	7.41	5.86	5.02	4.48	4.11	3.61	3.30	2.59	2.17	1.62
∞	.750	1.32	1.39	1.37	1.35	1.33	1.31	1.28	1.26	1.19	1.14	1.01
	.900	2.71	2.30	2.08	1.95	1.85	1.77	1.67	1.60	1.42	1.30	1.01
	.950	3.84	3.00	2.61	2.37	2.21	2.10	1.94	1.83	1.57	1.40	1.01
	.990	6.64	4.61	3.78	3.32	3.02	2.80	2.51	2.32	1.88	1.59	1.03
	.999	10.8	6.91	5.43	4.62	4.11	3.75	3.27	2.96	2.27	1.84	1.02