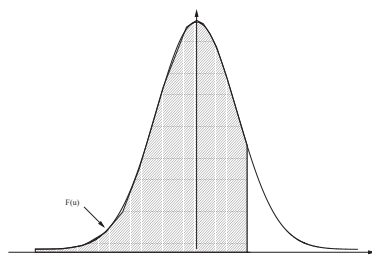


TABLES STATISTIQUES

- 1) Loi Normale Centrée Réduite : Fonction de répartition
- 2) Loi Normale Centrée Réduite : Quantiles
- 3) Loi du X^2 : Quantiles
- 4) Loi Student
- 5) Loi Fisher-Snedecor ($\alpha=0.025$)
- 6) Loi Fisher-Snedecor unilatérale ($\alpha=0.05$)
- 7) Mann-Whitney (bilatéral, $\alpha=0.05$ ou 0.01)
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(bilatéral ou unilatéral, $\alpha=0.05$ ou 0.01)
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- 10) Coefficient de corrélation de Pearson
- 11) Coefficient de corrélation de Spearman

1 Loi normale : fonction de répartition

Pour une valeur $u \geq 0$, la table ci-dessous renvoie la valeur $F(u)$ de la fonction de répartition F de la loi normale centrée réduite au point u .



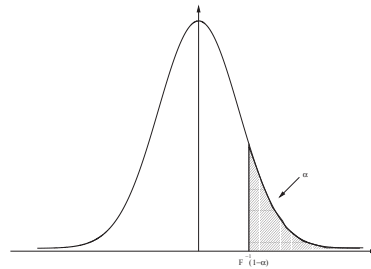
u	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	0.5000	0.5040	0.5080	0.5120	0.5160	0.5199	0.5239	0.5279	0.5319	0.5359
0.1	0.5398	0.5438	0.5478	0.5517	0.5557	0.5596	0.5636	0.5675	0.5714	0.5753
0.2	0.5793	0.5832	0.5871	0.5910	0.5948	0.5987	0.6026	0.6064	0.6103	0.6141
0.3	0.6179	0.6217	0.6255	0.6293	0.6331	0.6368	0.6406	0.6443	0.6480	0.6517
0.4	0.6554	0.6591	0.6628	0.6664	0.6700	0.6736	0.6772	0.6808	0.6844	0.6879
0.5	0.6915	0.6950	0.6985	0.7019	0.7054	0.7088	0.7123	0.7157	0.7190	0.7224
0.6	0.7257	0.7291	0.7324	0.7357	0.7389	0.7422	0.7454	0.7486	0.7517	0.7549
0.7	0.7580	0.7611	0.7642	0.7673	0.7704	0.7734	0.7764	0.7794	0.7823	0.7852
0.8	0.7881	0.7910	0.7939	0.7967	0.7995	0.8023	0.8051	0.8078	0.8106	0.8133
0.9	0.8159	0.8186	0.8212	0.8238	0.8264	0.8289	0.8315	0.8340	0.8365	0.8389
1.0	0.8413	0.8438	0.8461	0.8485	0.8508	0.8531	0.8554	0.8577	0.8599	0.8621
1.1	0.8643	0.8665	0.8686	0.8708	0.8729	0.8749	0.8770	0.8790	0.8810	0.8830
1.2	0.8849	0.8869	0.8888	0.8907	0.8925	0.8944	0.8962	0.8980	0.8997	0.9015
1.3	0.9032	0.9049	0.9066	0.9082	0.9099	0.9115	0.9131	0.9147	0.9162	0.9177
1.4	0.9192	0.9207	0.9222	0.9236	0.9251	0.9265	0.9279	0.9292	0.9306	0.9319
1.5	0.9332	0.9345	0.9357	0.9370	0.9382	0.9394	0.9406	0.9418	0.9429	0.9441
1.6	0.9452	0.9463	0.9474	0.9484	0.9495	0.9505	0.9515	0.9525	0.9535	0.9545
1.7	0.9554	0.9564	0.9573	0.9582	0.9591	0.9599	0.9608	0.9616	0.9625	0.9633
1.8	0.9641	0.9649	0.9656	0.9664	0.9671	0.9678	0.9686	0.9693	0.9699	0.9706
1.9	0.9713	0.9719	0.9726	0.9732	0.9738	0.9744	0.9750	0.9756	0.9761	0.9767
2.0	0.9772	0.9778	0.9783	0.9788	0.9793	0.9798	0.9803	0.9808	0.9812	0.9817
2.1	0.9821	0.9826	0.9830	0.9834	0.9838	0.9842	0.9846	0.9850	0.9854	0.9857
2.2	0.9861	0.9864	0.9868	0.9871	0.9875	0.9878	0.9881	0.9884	0.9887	0.9890
2.3	0.9893	0.9896	0.9898	0.9901	0.9904	0.9906	0.9909	0.9911	0.9913	0.9916
2.4	0.9918	0.9920	0.9922	0.9925	0.9927	0.9929	0.9931	0.9932	0.9934	0.9936
2.5	0.9938	0.9940	0.9941	0.9943	0.9945	0.9946	0.9948	0.9949	0.9951	0.9952
2.6	0.9953	0.9955	0.9956	0.9957	0.9959	0.9960	0.9961	0.9962	0.9963	0.9964
2.7	0.9965	0.9966	0.9967	0.9968	0.9969	0.9970	0.9971	0.9972	0.9973	0.9974
2.8	0.9974	0.9975	0.9976	0.9977	0.9977	0.9978	0.9979	0.9979	0.9980	0.9981
2.9	0.9981	0.9982	0.9982	0.9983	0.9984	0.9984	0.9985	0.9985	0.9986	0.9986

Table pour les grandes valeurs de u :

u	3.0	3.1	3.2	3.3	3.4
$F(u)$	0.99865	0.999032	0.999313	0.999517	0.999663
u	3.5	3.6	3.7	3.8	3.9
$F(u)$	0.999767	0.999841	0.999892	0.999928	0.999952
u	4.0	4.1	4.2	4.3	4.4
$F(u)$	0.999968	0.999979	0.999987	0.999991	0.999995
u	4.5	4.6	4.7	4.8	4.9
$F(u)$	0.999997	0.999998	0.999999	0.999999	1

2 Loi normale : quantiles

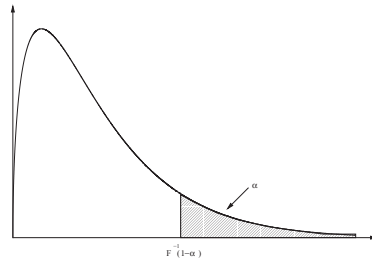
Pour une valeur $\alpha \in]0; 0.5[$, la table ci-dessous renvoie la valeur $F^{-1}(1 - \alpha)$ de la fonction quantile F^{-1} de la loi normale centrée réduite au point $1 - \alpha$.



α	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009
0.00	∞	3.0902	2.8782	2.7478	2.6521	2.5758	2.5121	2.4573	2.4089	2.3656
0.01	2.3263	2.2904	2.2571	2.2262	2.1973	2.1701	2.1444	2.1201	2.0969	2.0749
0.02	2.0537	2.0335	2.0141	1.9954	1.9774	1.9600	1.9431	1.9268	1.9110	1.8957
0.03	1.8808	1.8663	1.8522	1.8384	1.8250	1.8119	1.7991	1.7866	1.7744	1.7624
0.04	1.7507	1.7392	1.7279	1.7169	1.7060	1.6954	1.6849	1.6747	1.6646	1.6546
0.05	1.6449	1.6352	1.6258	1.6164	1.6072	1.5982	1.5893	1.5805	1.5718	1.5632
0.06	1.5548	1.5464	1.5382	1.5301	1.5220	1.5141	1.5063	1.4985	1.4909	1.4833
0.07	1.4758	1.4684	1.4611	1.4538	1.4466	1.4395	1.4325	1.4255	1.4187	1.4118
0.08	1.4051	1.3984	1.3917	1.3852	1.3787	1.3722	1.3658	1.3595	1.3532	1.3469
0.09	1.3408	1.3346	1.3285	1.3225	1.3165	1.3106	1.3047	1.2988	1.2930	1.2873
0.10	1.2816	1.2759	1.2702	1.2646	1.2591	1.2536	1.2481	1.2426	1.2372	1.2319
0.11	1.2265	1.2212	1.2160	1.2107	1.2055	1.2004	1.1952	1.1901	1.1850	1.1800
0.12	1.1750	1.1700	1.1650	1.1601	1.1552	1.1503	1.1455	1.1407	1.1359	1.1311
0.13	1.1264	1.1217	1.1170	1.1123	1.1077	1.1031	1.0985	1.0939	1.0893	1.0848
0.14	1.0803	1.0758	1.0714	1.0669	1.0625	1.0581	1.0537	1.0494	1.0450	1.0407
0.15	1.0364	1.0322	1.0279	1.0237	1.0194	1.0152	1.0110	1.0069	1.0027	0.9986
0.16	0.9945	0.9904	0.9863	0.9822	0.9782	0.9741	0.9701	0.9661	0.9621	0.9581
0.17	0.9542	0.9502	0.9463	0.9424	0.9385	0.9346	0.9307	0.9269	0.9230	0.9192
0.18	0.9154	0.9116	0.9078	0.9040	0.9002	0.8965	0.8927	0.8890	0.8853	0.8816
0.19	0.8779	0.8742	0.8705	0.8669	0.8633	0.8596	0.8560	0.8524	0.8488	0.8452
0.20	0.8416	0.8381	0.8345	0.8310	0.8274	0.8239	0.8204	0.8169	0.8134	0.8099
0.21	0.8064	0.8030	0.7995	0.7961	0.7926	0.7892	0.7858	0.7824	0.7790	0.7756
0.22	0.7722	0.7688	0.7655	0.7621	0.7588	0.7554	0.7521	0.7488	0.7454	0.7421
0.23	0.7388	0.7356	0.7323	0.7290	0.7257	0.7225	0.7192	0.7160	0.7128	0.7095
0.24	0.7063	0.7031	0.6999	0.6967	0.6935	0.6903	0.6871	0.6840	0.6808	0.6776
0.25	0.6745	0.6713	0.6682	0.6651	0.6620	0.6588	0.6557	0.6526	0.6495	0.6464
0.26	0.6433	0.6403	0.6372	0.6341	0.6311	0.6280	0.6250	0.6219	0.6189	0.6158
0.27	0.6128	0.6098	0.6068	0.6038	0.6008	0.5978	0.5948	0.5918	0.5888	0.5858
0.28	0.5828	0.5799	0.5769	0.5740	0.5710	0.5681	0.5651	0.5622	0.5592	0.5563
0.29	0.5534	0.5505	0.5476	0.5446	0.5417	0.5388	0.5359	0.5330	0.5302	0.5273
0.30	0.5244	0.5215	0.5187	0.5158	0.5129	0.5101	0.5072	0.5044	0.5015	0.4987
0.31	0.4959	0.4930	0.4902	0.4874	0.4845	0.4817	0.4789	0.4761	0.4733	0.4705
0.32	0.4677	0.4649	0.4621	0.4593	0.4565	0.4538	0.4510	0.4482	0.4454	0.4427
0.33	0.4399	0.4372	0.4344	0.4316	0.4289	0.4261	0.4234	0.4207	0.4179	0.4152
0.34	0.4125	0.4097	0.4070	0.4043	0.4016	0.3989	0.3961	0.3934	0.3907	0.3880
0.35	0.3853	0.3826	0.3799	0.3772	0.3745	0.3719	0.3692	0.3665	0.3638	0.3611
0.36	0.3585	0.3558	0.3531	0.3505	0.3478	0.3451	0.3425	0.3398	0.3372	0.3345
0.37	0.3319	0.3292	0.3266	0.3239	0.3213	0.3186	0.3160	0.3134	0.3107	0.3081
0.38	0.3055	0.3029	0.3002	0.2976	0.2950	0.2924	0.2898	0.2871	0.2845	0.2819
0.39	0.2793	0.2767	0.2741	0.2715	0.2689	0.2663	0.2637	0.2611	0.2585	0.2559
0.40	0.2533	0.2508	0.2482	0.2456	0.2430	0.2404	0.2378	0.2353	0.2327	0.2301
0.41	0.2275	0.2250	0.2224	0.2198	0.2173	0.2147	0.2121	0.2096	0.2070	0.2045
0.42	0.2019	0.1993	0.1968	0.1942	0.1917	0.1891	0.1866	0.1840	0.1815	0.1789
0.43	0.1764	0.1738	0.1713	0.1687	0.1662	0.1637	0.1611	0.1586	0.1560	0.1535
0.44	0.1510	0.1484	0.1459	0.1434	0.1408	0.1383	0.1358	0.1332	0.1307	0.1282
0.45	0.1257	0.1231	0.1206	0.1181	0.1156	0.1130	0.1105	0.1080	0.1055	0.1030
0.46	0.1004	0.0979	0.0954	0.0929	0.0904	0.0878	0.0853	0.0828	0.0803	0.0778
0.47	0.0753	0.0728	0.0702	0.0677	0.0652	0.0627	0.0602	0.0577	0.0552	0.0527
0.48	0.0502	0.0476	0.0451	0.0426	0.0401	0.0376	0.0351	0.0326	0.0301	0.0276
0.49	0.0251	0.0226	0.0201	0.0175	0.0150	0.0125	0.0100	0.0075	0.0050	0.0025

3 Loi du χ^2 : quantiles

Pour un degré de liberté n entre 1 et 30 et pour certaine valeur de α , la table ci-dessous renvoie la valeur $F^{-1}(1 - \alpha)$ de la fonction quantile F^{-1} de la loi du χ^2 à n degrés de liberté au point $1 - \alpha$.

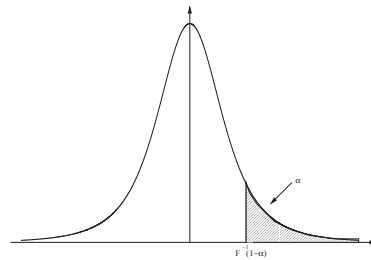


$n \backslash \alpha$	0.99	0.975	0.95	0.9	0.1	0.05	0.025	0.01	0.001
1	0.0002	0.001	0.0039	0.0158	2.71	3.84	5.02	6.63	10.83
2	0.02	0.05	0.1	0.21	4.61	5.99	7.38	9.21	13.82
3	0.11	0.22	0.35	0.58	6.25	7.81	9.35	11.34	16.27
4	0.3	0.48	0.71	1.06	7.78	9.49	11.14	13.28	18.47
5	0.55	0.83	1.15	1.61	9.24	11.07	12.83	15.09	20.52
6	0.87	1.24	1.64	2.2	10.64	12.59	14.45	16.81	22.46
7	1.24	1.69	2.17	2.83	12.02	14.07	16.01	18.48	24.32
8	1.65	2.18	2.73	3.49	13.36	15.51	17.53	20.09	26.12
9	2.09	2.7	3.33	4.17	14.68	16.92	19.02	21.67	27.88
10	2.56	3.25	3.94	4.87	15.99	18.31	20.48	23.21	29.59
11	3.05	3.82	4.57	5.58	17.28	19.68	21.92	24.72	31.26
12	3.57	4.4	5.23	6.3	18.55	21.03	23.34	26.22	32.91
13	4.11	5.01	5.89	7.04	19.81	22.36	24.74	27.69	34.53
14	4.66	5.63	6.57	7.79	21.06	23.68	26.12	29.14	36.12
15	5.23	6.26	7.26	8.55	22.31	25	27.49	30.58	37.7
16	5.81	6.91	7.96	9.31	23.54	26.3	28.85	32	39.25
17	6.41	7.56	8.67	10.09	24.77	27.59	30.19	33.41	40.79
18	7.01	8.23	9.39	10.86	25.99	28.87	31.53	34.81	42.31
19	7.63	8.91	10.12	11.65	27.2	30.14	32.85	36.19	43.82
20	8.26	9.59	10.85	12.44	28.41	31.41	34.17	37.57	45.31
21	8.9	10.28	11.59	13.24	29.62	32.67	35.48	38.93	46.8
22	9.54	10.98	12.34	14.04	30.81	33.92	36.78	40.29	48.27
23	10.2	11.69	13.09	14.85	32.01	35.17	38.08	41.64	49.73
24	10.86	12.4	13.85	15.66	33.2	36.42	39.36	42.98	51.18
25	11.52	13.12	14.61	16.47	34.38	37.65	40.65	44.31	52.62
26	12.2	13.84	15.38	17.29	35.56	38.89	41.92	45.64	54.05
27	12.88	14.57	16.15	18.11	36.74	40.11	43.19	46.96	55.48
28	13.56	15.31	16.93	18.94	37.92	41.34	44.46	48.28	56.89
29	14.26	16.05	17.71	19.77	39.09	42.56	45.72	49.59	58.3
30	14.95	16.79	18.49	20.6	40.26	43.77	46.98	50.89	59.7

Lorsque le nombre de degrés de liberté n est supérieur à 30, on peut utiliser l'approximation suivante : $\sqrt{2\chi^2(p)} - \sqrt{2p-1}$ suit approximativement la loi normale centrée réduite.

4 Loi de Student : quantiles

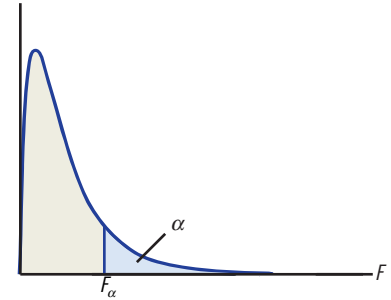
Pour un certain degré de liberté n et pour certaine valeur de α , la table ci-dessous renvoie la valeur $F^{-1}(1 - \alpha)$ de la fonction quantile F^{-1} de la loi de Student à n degrés de liberté au point $1 - \alpha$.



$\alpha \backslash n$	0.45	0.3	0.2	0.1	0.05	0.025	0.01	0.001
1	0.158	0.727	1.376	3.078	6.314	12.706	31.821	318.309
2	0.142	0.617	1.061	1.886	2.920	4.303	6.965	22.327
3	0.137	0.584	0.978	1.638	2.353	3.182	4.541	10.215
4	0.134	0.569	0.941	1.533	2.132	2.776	3.747	7.173
5	0.132	0.559	0.920	1.476	2.015	2.571	3.365	5.893
6	0.131	0.553	0.906	1.440	1.943	2.447	3.143	5.208
7	0.130	0.549	0.896	1.415	1.895	2.365	2.998	4.785
8	0.130	0.546	0.889	1.397	1.860	2.306	2.896	4.501
9	0.129	0.543	0.883	1.383	1.833	2.262	2.821	4.297
10	0.129	0.542	0.879	1.372	1.812	2.228	2.764	4.144
11	0.129	0.540	0.876	1.363	1.796	2.201	2.718	4.025
12	0.128	0.539	0.873	1.356	1.782	2.179	2.681	3.930
13	0.128	0.538	0.870	1.350	1.771	2.160	2.650	3.852
14	0.128	0.537	0.868	1.345	1.761	2.145	2.624	3.787
15	0.128	0.536	0.866	1.341	1.753	2.131	2.602	3.733
16	0.128	0.535	0.865	1.337	1.746	2.120	2.583	3.686
17	0.128	0.534	0.863	1.333	1.740	2.110	2.567	3.646
18	0.127	0.534	0.862	1.330	1.734	2.101	2.552	3.610
19	0.127	0.533	0.861	1.328	1.729	2.093	2.539	3.579
20	0.127	0.533	0.860	1.325	1.725	2.086	2.528	3.552
21	0.127	0.532	0.859	1.323	1.721	2.080	2.518	3.527
22	0.127	0.532	0.858	1.321	1.717	2.074	2.508	3.505
23	0.127	0.532	0.858	1.319	1.714	2.069	2.500	3.485
24	0.127	0.531	0.857	1.318	1.711	2.064	2.492	3.467
25	0.127	0.531	0.856	1.316	1.708	2.060	2.485	3.450
26	0.127	0.531	0.856	1.315	1.706	2.056	2.479	3.435
27	0.127	0.531	0.855	1.314	1.703	2.052	2.473	3.421
28	0.127	0.530	0.855	1.313	1.701	2.048	2.467	3.408
29	0.127	0.530	0.854	1.311	1.699	2.045	2.462	3.396
30	0.127	0.530	0.854	1.310	1.697	2.042	2.457	3.385
40	0.126	0.529	0.851	1.303	1.684	2.021	2.423	3.307
80	0.126	0.526	0.846	1.292	1.664	1.990	2.374	3.195
120	0.126	0.526	0.845	1.289	1.658	1.980	2.358	3.160
∞	0.126	0.524	0.842	1.282	1.645	1.96	2.327	3.091

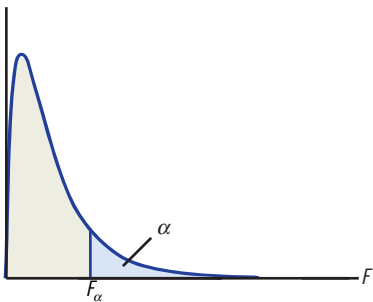
Loi de Fisher :Quantiles
(alpha = 2,5%)

Critical Values of the F -Distribution ($\alpha = 0.025$)



		Numerator Degrees of Freedom								
		1	2	3	4	5	6	7	8	9
Denominator Degrees of Freedom	1	647.7890	799.5000	864.1630	899.5833	921.8479	937.1111	948.2169	956.6562	963.2846
	2	38.5063	39.0000	39.1655	39.2484	39.2982	39.3315	39.3552	39.3730	39.3869
	3	17.4434	16.0441	15.4392	15.1010	14.8848	14.7347	14.6244	14.5399	14.4731
	4	12.2179	10.6491	9.9792	9.6045	9.3645	9.1973	9.0741	8.9796	8.9047
	5	10.0070	8.4336	7.7636	7.3879	7.1464	6.9777	6.8531	6.7572	6.6811
	6	8.8131	7.2599	6.5988	6.2272	5.9876	5.8198	5.6955	5.5996	5.5234
	7	8.0727	6.5415	5.8898	5.5226	5.2852	5.1186	4.9949	4.8993	4.8232
	8	7.5709	6.0595	5.4160	5.0526	4.8173	4.6517	4.5286	4.4333	4.3572
	9	7.2093	5.7147	5.0781	4.7181	4.4844	4.3197	4.1970	4.1020	4.0260
	10	6.9367	5.4564	4.8256	4.4683	4.2361	4.0721	3.9498	3.8549	3.7790
	11	6.7241	5.2559	4.6300	4.2751	4.0440	3.8807	3.7586	3.6638	3.5879
	12	6.5538	5.0959	4.4742	4.1212	3.8911	3.7283	3.6065	3.5118	3.4358
	13	6.4143	4.9653	4.3472	3.9959	3.7667	3.6043	3.4827	3.3880	3.3120
	14	6.2979	4.8567	4.2417	3.8919	3.6634	3.5014	3.3799	3.2853	3.2093
	15	6.1995	4.7650	4.1528	3.8043	3.5764	3.4147	3.2934	3.1987	3.1227
	16	6.1151	4.6867	4.0768	3.7294	3.5021	3.3406	3.2194	3.1248	3.0488
	17	6.0420	4.6189	4.0112	3.6648	3.4379	3.2767	3.1556	3.0610	2.9849
	18	5.9781	4.5597	3.9539	3.6083	3.3820	3.2209	3.0999	3.0053	2.9291
	19	5.9216	4.5075	3.9034	3.5587	3.3327	3.1718	3.0509	2.9563	2.8801
	20	5.8715	4.4613	3.8587	3.5147	3.2891	3.1283	3.0074	2.9128	2.8365
	21	5.8266	4.4199	3.8188	3.4754	3.2501	3.0895	2.9686	2.8740	2.7977
	22	5.7863	4.3828	3.7829	3.4401	3.2151	3.0546	2.9338	2.8392	2.7628
	23	5.7498	4.3492	3.7505	3.4083	3.1835	3.0232	2.9023	2.8077	2.7313
	24	5.7166	4.3187	3.7211	3.3794	3.1548	2.9946	2.8738	2.7791	2.7027
	25	5.6864	4.2909	3.6943	3.3530	3.1287	2.9685	2.8478	2.7531	2.6766
	26	5.6586	4.2655	3.6697	3.3289	3.1048	2.9447	2.8240	2.7293	2.6528
	27	5.6331	4.2421	3.6472	3.3067	3.0828	2.9228	2.8021	2.7074	2.6309
	28	5.6096	4.2205	3.6264	3.2863	3.0626	2.9027	2.7820	2.6872	2.6106
	29	5.5878	4.2006	3.6072	3.2674	3.0438	2.8840	2.7633	2.6686	2.5919
	30	5.5675	4.1821	3.5894	3.2499	3.0265	2.8667	2.7460	2.6513	2.5746
	40	5.4239	4.0510	3.4633	3.1261	2.9037	2.7444	2.6238	2.5289	2.4519
	60	5.2856	3.9253	3.3425	3.0077	2.7863	2.6274	2.5068	2.4117	2.3344
	120	5.1523	3.8046	3.2269	2.8943	2.6740	2.5154	2.3948	2.2994	2.2217
	∞	5.0239	3.6889	3.1161	2.7858	2.5665	2.4082	2.2875	2.1918	2.1136

Critical Values of the *F*-Distribution ($\alpha = 0.025$) (continued)

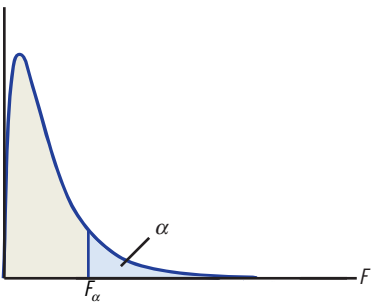


Denominator Degrees of Freedom

Numerator Degrees of Freedom									
	10	11	12	13	14	15	16	17	18
1	968.6274	973.0252	976.7079	979.8368	982.5278	984.8668	986.9187	988.7331	990.3490
2	39.3980	39.4071	39.4146	39.4210	39.4265	39.4313	39.4354	39.4391	39.4424
3	14.4189	14.3742	14.3366	14.3045	14.2768	14.2527	14.2315	14.2127	14.1960
4	8.8439	8.7935	8.7512	8.7150	8.6838	8.6565	8.6326	8.6113	8.5924
5	6.6192	6.5678	6.5245	6.4876	6.4556	6.4277	6.4032	6.3814	6.3619
6	5.4613	5.4098	5.3662	5.3290	5.2968	5.2687	5.2439	5.2218	5.2021
7	4.7611	4.7095	4.6658	4.6285	4.5961	4.5678	4.5428	4.5206	4.5008
8	4.2951	4.2434	4.1997	4.1622	4.1297	4.1012	4.0761	4.0538	4.0338
9	3.9639	3.9121	3.8682	3.8306	3.7980	3.7694	3.7441	3.7216	3.7015
10	3.7168	3.6649	3.6209	3.5832	3.5504	3.5217	3.4963	3.4737	3.4534
11	3.5257	3.4737	3.4296	3.3917	3.3588	3.3299	3.3044	3.2816	3.2612
12	3.3736	3.3215	3.2773	3.2393	3.2062	3.1772	3.1515	3.1286	3.1081
13	3.2497	3.1975	3.1532	3.1150	3.0819	3.0527	3.0269	3.0039	2.9832
14	3.1469	3.0946	3.0502	3.0119	2.9786	2.9493	2.9234	2.9003	2.8795
15	3.0602	3.0078	2.9633	2.9249	2.8915	2.8621	2.8360	2.8128	2.7919
16	2.9862	2.9337	2.8890	2.8506	2.8170	2.7875	2.7614	2.7380	2.7170
17	2.9222	2.8696	2.8249	2.7863	2.7526	2.7230	2.6968	2.6733	2.6522
18	2.8664	2.8137	2.7689	2.7302	2.6964	2.6667	2.6404	2.6168	2.5956
19	2.8172	2.7645	2.7196	2.6808	2.6469	2.6171	2.5907	2.5670	2.5457
20	2.7737	2.7209	2.6758	2.6369	2.6030	2.5731	2.5465	2.5228	2.5014
21	2.7348	2.6819	2.6368	2.5978	2.5638	2.5338	2.5071	2.4833	2.4618
22	2.6998	2.6469	2.6017	2.5626	2.5285	2.4984	2.4717	2.4478	2.4262
23	2.6682	2.6152	2.5699	2.5308	2.4966	2.4665	2.4396	2.4157	2.3940
24	2.6396	2.5865	2.5411	2.5019	2.4677	2.4374	2.4105	2.3865	2.3648
25	2.6135	2.5603	2.5149	2.4756	2.4413	2.4110	2.3840	2.3599	2.3381
26	2.5896	2.5363	2.4908	2.4515	2.4171	2.3867	2.3597	2.3355	2.3137
27	2.5676	2.5143	2.4688	2.4293	2.3949	2.3644	2.3373	2.3131	2.2912
28	2.5473	2.4940	2.4484	2.4089	2.3743	2.3438	2.3167	2.2924	2.2704
29	2.5286	2.4752	2.4295	2.3900	2.3554	2.3248	2.2976	2.2732	2.2512
30	2.5112	2.4577	2.4120	2.3724	2.3378	2.3072	2.2799	2.2554	2.2334
40	2.3882	2.3343	2.2882	2.2481	2.2130	2.1819	2.1542	2.1293	2.1068
60	2.2702	2.2159	2.1692	2.1286	2.0929	2.0613	2.0330	2.0076	1.9846
120	2.1570	2.1021	2.0548	2.0136	1.9773	1.9450	1.9161	1.8900	1.8663
∞	2.0483	1.9927	1.9447	1.9027	1.8656	1.8326	1.8028	1.7759	1.7515

Critical Values of the *F*-Distribution ($\alpha = 0.025$)

(continued)



		Numerator Degrees of Freedom						
		19	20	24	30	40	60	120
Denominator Degrees of Freedom	1	991.7973	993.1028	997.2492	1001.4144	1005.5981	1009.8001	1014.0202
	2	39.4453	39.4479	39.4562	39.4646	39.4729	39.4812	39.4896
	3	14.1810	14.1674	14.1241	14.0805	14.0365	13.9921	13.9473
	4	8.5753	8.5599	8.5109	8.4613	8.4111	8.3604	8.3092
	5	6.3444	6.3286	6.2780	6.2269	6.1750	6.1225	6.0693
	6	5.1844	5.1684	5.1172	5.0652	5.0125	4.9589	4.9044
	7	4.4829	4.4667	4.4150	4.3624	4.3089	4.2544	4.1989
	8	4.0158	3.9995	3.9472	3.8940	3.8398	3.7844	3.7279
	9	3.6833	3.6669	3.6142	3.5604	3.5055	3.4493	3.3918
	10	3.4351	3.4185	3.3654	3.3110	3.2554	3.1984	3.1399
	11	3.2428	3.2261	3.1725	3.1176	3.0613	3.0035	2.9441
	12	3.0896	3.0728	3.0187	2.9633	2.9063	2.8478	2.7874
	13	2.9646	2.9477	2.8932	2.8372	2.7797	2.7204	2.6590
	14	2.8607	2.8437	2.7888	2.7324	2.6742	2.6142	2.5519
	15	2.7730	2.7559	2.7006	2.6437	2.5850	2.5242	2.4611
	16	2.6980	2.6808	2.6252	2.5678	2.5085	2.4471	2.3831
	17	2.6331	2.6158	2.5598	2.5020	2.4422	2.3801	2.3153
	18	2.5764	2.5590	2.5027	2.4445	2.3842	2.3214	2.2558
	19	2.5265	2.5089	2.4523	2.3937	2.3329	2.2696	2.2032
	20	2.4821	2.4645	2.4076	2.3486	2.2873	2.2234	2.1562
	21	2.4424	2.4247	2.3675	2.3082	2.2465	2.1819	2.1141
	22	2.4067	2.3890	2.3315	2.2718	2.2097	2.1446	2.0760
	23	2.3745	2.3567	2.2989	2.2389	2.1763	2.1107	2.0415
	24	2.3452	2.3273	2.2693	2.2090	2.1460	2.0799	2.0099
	25	2.3184	2.3005	2.2422	2.1816	2.1183	2.0516	1.9811
	26	2.2939	2.2759	2.2174	2.1565	2.0928	2.0257	1.9545
	27	2.2713	2.2533	2.1946	2.1334	2.0693	2.0018	1.9299
	28	2.2505	2.2324	2.1735	2.1121	2.0477	1.9797	1.9072
	29	2.2313	2.2131	2.1540	2.0923	2.0276	1.9591	1.8861
	30	2.2134	2.1952	2.1359	2.0739	2.0089	1.9400	1.8664
	40	2.0864	2.0677	2.0069	1.9429	1.8752	1.8028	1.7242
	60	1.9636	1.9445	1.8817	1.8152	1.7440	1.6668	1.5810
	120	1.8447	1.8249	1.7597	1.6899	1.6141	1.5299	1.4327
	∞	1.7291	1.7085	1.6402	1.5660	1.4835	1.3883	1.2684

Table Fisher-Snedecor unilatérale ($\alpha=0.05$)

Table F : valeurs critiques de la distribution F

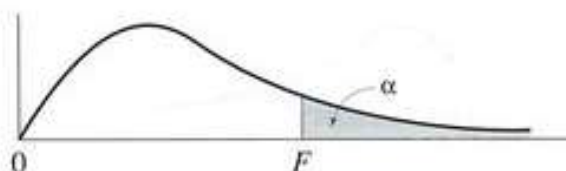


TABLE 1 $\alpha = .05$

		Degrés de liberté pour le numérateur															
		1	2	3	4	5	6	7	8	9	10	15	20	25	30	40	50
Degrés de liberté pour le dénominateur	1	161.4	199.5	215.8	224.8	230.0	233.8	236.5	238.6	240.1	242.1	245.2	248.4	248.9	250.5	250.8	252.0
	2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40	19.43	19.44	19.46	19.47	19.48	19.48
	3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.70	8.66	8.63	8.62	8.59	8.58
	4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.86	5.80	5.77	5.75	5.72	5.70
	5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.62	4.56	4.52	4.50	4.46	4.44
	6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06	3.94	3.87	3.83	3.81	3.77	3.75
	7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.51	3.44	3.40	3.38	3.34	3.31
	8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.22	3.15	3.11	3.08	3.04	3.01
	9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.01	2.94	2.89	2.86	2.83	2.80
	10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.85	2.77	2.73	2.70	2.66	2.64
	11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.72	2.65	2.60	2.57	2.53	2.51
	12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.62	2.54	2.50	2.47	2.43	2.40
	13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.53	2.46	2.41	2.38	2.34	2.31
	14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.46	2.39	2.34	2.31	2.27	2.24
	15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.40	2.33	2.28	2.25	2.20	2.18
	16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.35	2.28	2.23	2.19	2.15	2.12
	17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.31	2.23	2.18	2.15	2.10	2.08
	18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.27	2.19	2.14	2.11	2.06	2.04
	19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38	2.23	2.16	2.11	2.07	2.03	2.00
	20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.20	2.12	2.07	2.04	1.99	1.97
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30	2.15	2.07	2.02	1.98	1.94	1.91	
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25	2.11	2.03	1.97	1.94	1.89	1.86	
26	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.07	1.99	1.94	1.90	1.85	1.82	
28	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	2.19	2.04	1.96	1.91	1.87	1.82	1.79	
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.01	1.93	1.88	1.84	1.79	1.76	
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	1.92	1.84	1.78	1.74	1.69	1.66	
50	4.03	3.18	2.79	2.56	2.40	2.29	2.20	2.13	2.07	2.03	1.87	1.78	1.73	1.69	1.63	1.60	
60	4.00	3.15	2.76	2.53	2.37	2.25	2.17	2.10	2.04	1.99	1.84	1.75	1.69	1.65	1.59	1.56	
120	3.92	3.07	2.68	2.45	2.29	2.18	2.09	2.02	1.96	1.91	1.75	1.66	1.60	1.55	1.50	1.46	
200	3.89	3.04	2.65	2.42	2.26	2.14	2.06	1.98	1.93	1.88	1.72	1.62	1.56	1.52	1.46	1.41	
500	3.86	3.01	2.62	2.39	2.23	2.12	2.03	1.96	1.90	1.85	1.69	1.59	1.53	1.48	1.42	1.38	
1000	3.85	3.01	2.61	2.38	2.22	2.11	2.02	1.95	1.89	1.84	1.68	1.58	1.52	1.47	1.41	1.36	

TABLE DE MANN-WHITNEY

Valeurs critiques (U_{crit}) à comparer avec la valeur observée (U_{obs}) à partir de vos 2 échantillons pour un test **bilatéral** au seuil $\alpha = 0.05$ ou **0.01**.

NB : n_1 et n_2 représentent le nombre d'observations dans chaque échantillon.

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

TABLE DE MANN-WHITNEY

Valeurs critiques (U_{crit}) à comparer avec la valeur observée (U_{obs}) à partir de vos 2 échantillons pour un test **unilatéral** au seuil $\alpha = 0.05$ ou **0.01**.

NB : n_1 et n_2 représentent le nombre d'observations dans chaque échantillon.

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	

Wilcoxon signed rank TEST :

Calculate the SUM of the RANKS of the smaller of the NEGATIVE (or POSITIVE) ranks & compare to WILCOXON table (small samples $n < 25$) or NORMAL distribution (if larger n).

n	Two-Tailed Test		One-Tailed Test	
	$\alpha = .05$	$\alpha = .01$	$\alpha = .05$	$\alpha = .01$
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

K = 3					K = 4					K = 5							
Sample Sizes			$\alpha = 0.05$	$\alpha = 0.01$	Sample sizes				$\alpha = 0.05$	$\alpha = 0.01$	Sample sizes					$\alpha = 0.05$	$\alpha = 0.01$
2	2	2	-	-	2	2	1	1	-	-	2	2	1	1	1	-	-
3	2	1	-	-	2	2	2	1	5.679	-	2	2	2	1	1	6.750	-
3	2	2	4.714	-	2	2	2	2	6.167	6.667	2	2	2	2	1	7.133	7.533
3	3	1	5.143	-	3	1	1	1	-	-	2	2	2	2	2	7.418	8.291
3	3	2	5.361	-	3	2	1	1	-	-	3	1	1	1	1	-	-
3	3	3	5.600	7.200	3	2	2	1	5.833	-	3	2	1	1	1	6.583	-
4	2	1	-	-	3	2	2	2	6.333	7.133	3	2	2	1	1	6.800	7.600
4	2	2	5.333	-	3	3	1	1	6.333	-	3	2	2	2	1	7.309	8.127
4	3	1	5.208	-	3	3	2	1	6.244	7.200	3	2	2	2	2	7.682	8.682
4	3	2	5.444	6.444	3	3	2	2	6.527	7.636	3	3	1	1	1	7.111	-
4	3	3	5.791	6.745	3	3	3	1	6.600	7.400	3	3	2	1	1	7.200	8.073
4	4	1	4.967	6.667	3	3	3	2	6.727	8.015	3	3	2	2	1	7.591	8.576
4	4	2	5.455	7.036	3	3	3	3	7.000	8.538	3	3	2	2	2	7.910	9.115
4	4	3	5.598	7.144	4	1	1	1	-	-	3	3	3	1	1	7.576	8.424
4	4	4	5.692	7.654	4	2	1	1	5.833	-	3	3	3	2	1	7.769	9.051
5	2	1	5.000	-	4	2	2	1	6.133	7.000	3	3	3	2	2	8.044	9.505
5	2	2	5.160	6.533	4	2	2	2	6.545	7.391	3	3	3	3	1	8.000	9.451
5	3	1	4.960	-	4	3	1	1	6.178	7.067	3	3	3	3	2	8.200	9.876
5	3	2	5.251	6.909	4	3	2	1	6.309	7.455	3	3	3	3	3	8.333	10.20
5	3	3	5.648	7.079	4	3	2	2	6.621	7.871							
5	4	1	4.985	6.955	4	3	3	1	6.545	7.758							
5	4	2	5.273	7.205	4	3	3	2	6.795	8.333							
5	4	3	5.656	7.445	4	3	3	3	6.984	8.659							
5	4	4	5.657	7.760	4	4	1	1	5.945	7.909							
5	5	1	5.127	7.309	4	4	2	1	6.386	7.909							
5	5	2	5.338	7.338	4	4	2	2	6.731	8.346							
5	5	3	5.705	7.578	4	4	3	1	6.635	8.231							
5	5	4	5.666	7.823	4	4	3	2	6.874	8.621							
5	5	5	5.780	8.000	4	4	3	3	7.038	8.876							
6	1	1	-	-	4	4	4	1	6.725	8.588							
6	2	1	4.822	-	4	4	4	2	6.957	8.871							
6	2	2	5.345	6.655	4	4	4	3	7.142	9.075							
6	3	1	4.855	6.873	4	4	4	4	7.235	9.287							
6	3	2	5.348	6.970													
6	3	3	5.615	7.410													
6	4	1	4.947	7.106													
6	4	2	5.340	7.340													
6	4	3	5.610	7.50													
6	4	4	5.681	7.795													
6	5	1	4.990	7.182													
6	5	2	5.338	7.376													
6	5	3	5.602	7.590													
6	5	4	5.661	7.936													
6	5	5	5.729	8.028													
6	6	1	4.945	7.121													
6	6	2	5.410	7.467													
6	6	3	5.625	7.725													
6	6	4	5.725	8.000													
6	6	5	5.765	8.124													
6	6	6	5.801	8.222													
7	7	7	5.819	8.378													
8	8	8	5.805	8.465													

TABLE DU CHI-2

Valeurs critiques (H_{crit}) à comparer avec la valeur observée (H_{obs}) à partir de vos K échantillons pour un test au seuil α désiré (cf. p).

NB : n désigne le nombre de degré de liberté (ddl) obtenu à partir du nombre K d'échantillons à comparer ($n = K-1$).

n ^p	0.90	0.80	0.70	0.50	0.30	0.20	0.10	0.05	0.02	0.01
1	0,0158	0,0642	0,148	0,455	1,074	1,642	2,706	3,841	5,412	6,635
2	0,211	0,446	0,713	1,386	2,408	3,219	4,605	5,991	7,824	9,210
3	0,584	1,005	1,424	2,366	3,665	4,642	6,251	7,815	9,837	11,341
4	1,064	1,649	2,195	3,357	4,878	5,989	7,779	9,488	11,668	13,277
5	1,610	2,343	3,000	4,351	6,064	7,289	9,236	11,070	13,388	15,086
6	2,204	3,070	3,828	5,348	7,231	8,558	10,645	12,592	15,033	16,812
7	2,833	3,822	4,671	6,346	8,383	9,803	12,017	14,067	16,622	18,475
8	3,490	4,594	5,527	7,344	9,524	11,030	13,362	15,507	18,168	20,090
9	4,168	5,380	6,393	8,343	10,656	12,242	14,684	16,919	19,679	21,666
10	4,865	6,179	7,267	9,342	11,781	13,442	15,987	18,307	21,161	23,209
11	5,578	6,989	8,148	10,341	12,899	14,631	17,275	19,675	22,618	24,725
12	6,304	7,807	9,034	11,340	14,011	15,812	18,549	21,026	24,054	26,217
13	7,042	8,634	9,926	12,340	15,119	16,985	19,812	22,362	25,472	27,688
14	7,790	9,467	10,821	13,339	16,222	18,151	21,064	23,685	26,873	29,141
15	8,547	10,307	11,721	14,339	17,322	19,311	22,307	24,996	28,259	30,578
16	9,312	11,152	12,624	15,338	18,418	20,465	23,542	26,296	29,633	32,000
17	10,085	12,002	13,531	16,338	19,511	21,615	24,769	27,587	30,995	33,409
18	10,865	12,857	14,440	17,338	20,601	22,760	25,989	28,869	32,346	34,805
19	11,651	13,716	15,352	18,338	21,689	23,900	27,204	30,144	33,687	36,191
20	12,443	14,578	16,266	19,337	22,775	25,038	28,412	31,410	35,020	37,566
21	13,240	15,445	17,182	20,337	23,858	26,171	29,615	32,671	36,343	38,932
22	14,041	16,314	18,101	21,337	24,939	27,301	30,813	33,924	37,659	40,289
23	14,848	17,187	19,021	22,337	26,018	28,429	32,007	35,172	38,968	41,638
24	15,659	18,062	19,943	23,337	27,096	29,553	33,196	36,415	40,270	42,980
25	16,473	18,940	20,867	24,337	28,172	30,675	34,382	37,652	41,566	44,314
26	17,292	19,820	21,792	25,336	29,246	31,795	35,563	38,885	42,856	45,642
27	18,114	20,703	22,719	26,336	30,319	32,912	36,741	40,113	44,140	46,963
28	18,939	21,588	23,647	27,336	31,391	34,027	37,916	41,337	45,419	48,278
29	19,768	22,475	24,577	28,336	32,461	35,139	39,087	42,557	46,693	49,588
30	20,599	23,364	25,508	29,336	33,530	36,250	40,256	43,773	47,962	50,892

Table du coefficient de corrélation linéaire de Pearson :

$\nu \backslash P$	0,05	0,01	0,001
1	0,9969	0,9999	1,0000
2	0,9500	0,9900	0,9990
3	0,8783	0,9587	0,9912
4	0,8114	0,9172	0,9741
5	0,7545	0,8745	0,9507
6	0,7067	0,8343	0,9249
7	0,6664	0,7977	0,8982
8	0,6319	0,7646	0,8721
9	0,6021	0,7348	0,8471
10	0,5760	0,7079	0,8233
11	0,5529	0,6835	0,8010
12	0,5324	0,6614	0,7800
13	0,5139	0,6411	0,7603
14	0,4973	0,6226	0,7420
15	0,4821	0,6055	0,7246
16	0,4683	0,5897	0,7084
17	0,4555	0,5751	0,6932
18	0,4438	0,5614	0,6787
19	0,4329	0,5487	0,6652
20	0,4227	0,5368	0,6524
25	0,3809	0,4809	0,5974
30	0,3494	0,4487	0,5541
35	0,3246	0,4182	0,5189
40	0,3044	0,3932	0,4896
45	0,2875	0,3721	0,4648
50	0,2732	0,3541	0,4433
60	0,2500	0,3248	0,4078
70	0,2319	0,3017	0,3799
80	0,2172	0,2830	0,3568
90	0,2050	0,2673	0,3375
100	0,1946	0,2540	0,3211

Table de valeurs critiques $r_{\alpha/2}$ pour effectuer un test bilatéral

pour un ddl $\nu = n - 2$

Table du coefficient de corrélation de Spearman :

Table H. Critical Values of r_s (Spearman Rank-Order Correlation Coefficient)				
<i>df</i>	LEVEL OF SIGNIFICANCE FOR ONE-TAILED TEST			
	.05	.025	.01	.005
	LEVEL OF SIGNIFICANCE FOR TWO-TAILED TEST			
	.10	.05	.02	.01
5	.900	1.000	1.000	—
6	.829	.886	.943	1.000
7	.714	.786	.893	.929
8	.643	.738	.833	.881
9	.600	.683	.783	.833
10	.564	.648	.746	.794
12	.506	.591	.712	.777
14	.456	.544	.645	.715
16	.425	.506	.601	.665
18	.399	.475	.564	.625
20	.377	.450	.534	.591
22	.359	.428	.508	.562
24	.343	.409	.485	.537
26	.329	.392	.465	.515
28	.317	.377	.448	.496
30	.306	.364	.432	.478

NB : Si $N \geq 30$, comparer $r_s \times \sqrt{N - 1}$ aux valeurs remarquables de la loi Normale CR.