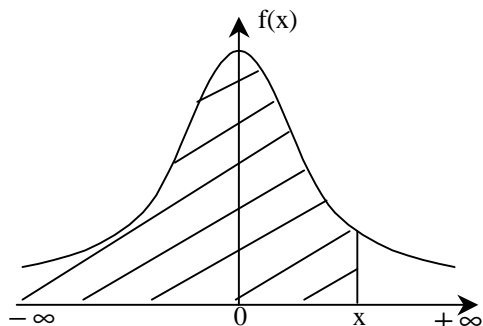


Loi Normale centrée réduite

Probabilité de trouver une valeur inférieure à x.



$$F(x) = \int_{-\infty}^x \frac{1}{\sqrt{2p}} e^{-\frac{u^2}{2}} du$$

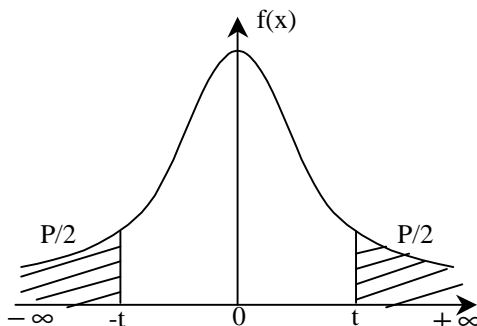
X	0,00	0,01	0,02	0,03	0,04	0,05	0,06	0,07	0,08	0,09
0,0	0,5000	0,5040	0,5080	0,5120	0,5160	0,5199	0,5239	0,5279	0,5319	0,5359
0,1	0,5398	0,5438	0,5478	0,5517	0,5557	0,5596	0,5636	0,5675	0,5714	0,5753
0,2	0,5793	0,5832	0,5871	0,5910	0,5948	0,5987	0,6026	0,6064	0,6103	0,6141
0,3	0,6179	0,6217	0,6255	0,6293	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
3,0	0,9987	0,9987	0,9987	0,9988	0,9988	0,9989	0,9989	0,9989	0,9990	0,9990
3,1	0,9990	0,9991	0,9991	0,9991	0,9992	0,9992	0,9992	0,9992	0,9993	0,9993
3,2	0,9993	0,9993	0,9994	0,9994	0,9994	0,9994	0,9994	0,9995	0,9995	0,9995
3,3	0,9995	0,9995	0,9995	0,9996	0,9996	0,9996	0,9996	0,9996	0,9996	0,9997
3,4	0,9997	0,9997	0,9997	0,9997	0,9997	0,9997	0,9997	0,9997	0,9997	0,9998
3,5	0,9998	0,9998	0,9998	0,9998	0,9998	0,9998	0,9998	0,9998	0,9998	0,9998

Table pour les grandes valeurs de x :

x	3	3,2	3,4	3,6	3,8	4	4,2	4,4	4,6	4,8
F(x)	0,99865003	0,99931280	0,99966302	0,99984085	0,99992763	0,99996831	0,99998665	0,99999458	0,99999789	0,99999921

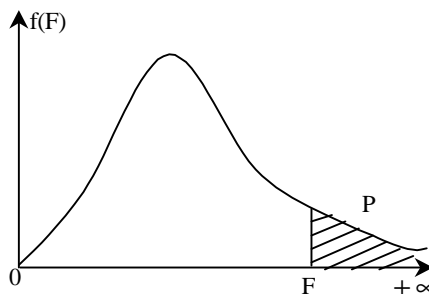
Loi de Student

Valeurs de t ayant la probabilité P d'être dépassées en valeur absolue.



$n \setminus P$	90%	80%	70%	60%	50%	40%	30%	20%	10%	5%	1%
1	0,1584	0,3249	0,5095	0,7265	1,0000	1,3764	1,9626	3,0777	6,3137	12,7062	63,6559
2	0,1421	0,2887	0,4447	0,6172	0,8165	1,0607	1,3862	1,8856	2,9200	4,3027	9,9250
3	0,1366	0,2767	0,4242	0,5844	0,7649	0,9785	1,2498	1,6377	2,3534	3,1824	5,8408
4	0,1338	0,2707	0,4142	0,5686	0,7407	0,9410	1,1896	1,5332	2,1318	2,7765	4,6041
5	0,1322	0,2672	0,4082	0,5594	0,7267	0,9195	1,1558	1,4759	2,0150	2,5706	4,0321
6	0,1311	0,2648	0,4043	0,5534	0,7176	0,9057	1,1342	1,4398	1,9432	2,4469	3,7074
7	0,1303	0,2632	0,4015	0,5491	0,7111	0,8960	1,1192	1,4149	1,8946	2,3646	3,4995
8	0,1297	0,2619	0,3995	0,5459	0,7064	0,8889	1,1081	1,3968	1,8595	2,3060	3,3554
9	0,1293	0,2610	0,3979	0,5435	0,7027	0,8834	1,0997	1,3830	1,8331	2,2622	3,2498
10	0,1289	0,2602	0,3966	0,5415	0,6998	0,8791	1,0931	1,3722	1,8125	2,2281	3,1693
11	0,1286	0,2596	0,3956	0,5399	0,6974	0,8755	1,0877	1,3634	1,7959	2,2010	3,1058
12	0,1283	0,2590	0,3947	0,5386	0,6955	0,8726	1,0832	1,3562	1,7823	2,1788	3,0545
13	0,1281	0,2586	0,3940	0,5375	0,6938	0,8702	1,0795	1,3502	1,7709	2,1604	3,0123
14	0,1280	0,2582	0,3933	0,5366	0,6924	0,8681	1,0763	1,3450	1,7613	2,1448	2,9768
15	0,1278	0,2579	0,3928	0,5357	0,6912	0,8662	1,0735	1,3406	1,7531	2,1315	2,9467
16	0,1277	0,2576	0,3923	0,5350	0,6901	0,8647	1,0711	1,3368	1,7459	2,1199	2,9208
17	0,1276	0,2573	0,3919	0,5344	0,6892	0,8633	1,0690	1,3334	1,7396	2,1098	2,8982
18	0,1274	0,2571	0,3915	0,5338	0,6884	0,8620	1,0672	1,3304	1,7341	2,1009	2,8784
19	0,1274	0,2569	0,3912	0,5333	0,6876	0,8610	1,0655	1,3277	1,7291	2,0930	2,8609
20	0,1273	0,2567	0,3909	0,5329	0,6870	0,8600	1,0640	1,3253	1,7247	2,0860	2,8453
21	0,1272	0,2566	0,3906	0,5325	0,6864	0,8591	1,0627	1,3232	1,7207	2,0796	2,8314
22	0,1271	0,2564	0,3904	0,5321	0,6858	0,8583	1,0614	1,3212	1,7171	2,0739	2,8188
23	0,1271	0,2563	0,3902	0,5317	0,6853	0,8575	1,0603	1,3195	1,7139	2,0687	2,8073
24	0,1270	0,2562	0,3900	0,5314	0,6848	0,8569	1,0593	1,3178	1,7109	2,0639	2,7970
25	0,1269	0,2561	0,3898	0,5312	0,6844	0,8562	1,0584	1,3163	1,7081	2,0595	2,7874
26	0,1269	0,2560	0,3896	0,5309	0,6840	0,8557	1,0575	1,3150	1,7056	2,0555	2,7787
27	0,1268	0,2559	0,3894	0,5306	0,6837	0,8551	1,0567	1,3137	1,7033	2,0518	2,7707
28	0,1268	0,2558	0,3893	0,5304	0,6834	0,8546	1,0560	1,3125	1,7011	2,0484	2,7633
29	0,1268	0,2557	0,3892	0,5302	0,6830	0,8542	1,0553	1,3114	1,6991	2,0452	2,7564
30	0,1267	0,2556	0,3890	0,5300	0,6828	0,8538	1,0547	1,3104	1,6973	2,0423	2,7500
40	0,1265	0,2550	0,3881	0,5286	0,6807	0,8507	1,0500	1,3031	1,6839	2,0211	2,7045
50	0,1263	0,2547	0,3875	0,5278	0,6794	0,8489	1,0473	1,2987	1,6759	2,0086	2,6778
60	0,1262	0,2545	0,3872	0,5272	0,6786	0,8477	1,0455	1,2958	1,6706	2,0003	2,6603
80	0,1261	0,2542	0,3867	0,5265	0,6776	0,8461	1,0432	1,2922	1,6641	1,9901	2,6387
100	0,1260	0,2540	0,3864	0,5261	0,6770	0,8452	1,0418	1,2901	1,6602	1,9840	2,6259
120	0,1259	0,2539	0,3862	0,5258	0,6765	0,8446	1,0409	1,2886	1,6576	1,9799	2,6174
200	0,1258	0,2537	0,3859	0,5252	0,6757	0,8434	1,0391	1,2858	1,6525	1,9719	2,6006
∞	0,1257	0,2533	0,3853	0,5244	0,6745	0,8416	1,0364	1,2816	1,6449	1,9600	2,5758

Loi de Fisher-Snedecor



Valeurs de F ayant 5% de chances d'être dépassées.

$n_2 \backslash n_1$	1	2	3	4	5	6	8	10	12	18	24	30	50	60	120
1	161,446	199,499	215,707	224,583	230,160	233,988	238,884	241,882	243,905	247,324	249,052	250,096	251,774	252,196	253,254
2	18,513	19,000	19,164	19,247	19,296	19,329	19,371	19,396	19,412	19,440	19,454	19,463	19,476	19,479	19,487
3	10,128	9,552	9,277	9,117	9,013	8,941	8,845	8,785	8,745	8,675	8,638	8,617	8,581	8,572	8,549
4	7,709	6,944	6,591	6,388	6,256	6,163	6,041	5,964	5,912	5,821	5,774	5,746	5,699	5,688	5,658
5	6,608	5,786	5,409	5,192	5,050	4,950	4,818	4,735	4,678	4,579	4,527	4,496	4,444	4,431	4,398
6	5,987	5,143	4,757	4,534	4,387	4,284	4,147	4,060	4,000	3,896	3,841	3,808	3,754	3,740	3,705
7	5,591	4,737	4,347	4,120	3,972	3,866	3,726	3,637	3,575	3,467	3,410	3,376	3,319	3,304	3,267
8	5,318	4,459	4,066	3,838	3,688	3,581	3,438	3,347	3,284	3,173	3,115	3,079	3,020	3,005	2,967
9	5,117	4,256	3,863	3,633	3,482	3,374	3,230	3,137	3,073	2,960	2,900	2,864	2,803	2,787	2,748
10	4,965	4,103	3,708	3,478	3,326	3,217	3,072	2,978	2,913	2,798	2,737	2,700	2,637	2,621	2,580
11	4,844	3,982	3,587	3,357	3,204	3,095	2,948	2,854	2,788	2,671	2,609	2,570	2,507	2,490	2,448
12	4,747	3,885	3,490	3,259	3,106	2,996	2,849	2,753	2,687	2,568	2,505	2,466	2,401	2,384	2,341
13	4,667	3,806	3,411	3,179	3,025	2,915	2,767	2,671	2,604	2,484	2,420	2,380	2,314	2,297	2,252
14	4,600	3,739	3,344	3,112	2,958	2,848	2,699	2,602	2,534	2,413	2,349	2,308	2,241	2,223	2,178
15	4,543	3,682	3,287	3,056	2,901	2,790	2,641	2,544	2,475	2,353	2,288	2,247	2,178	2,160	2,114
16	4,494	3,634	3,239	3,007	2,852	2,741	2,591	2,494	2,425	2,302	2,235	2,194	2,124	2,106	2,059
17	4,451	3,592	3,197	2,965	2,810	2,699	2,548	2,450	2,381	2,257	2,190	2,148	2,077	2,058	2,011
18	4,414	3,555	3,160	2,928	2,773	2,661	2,510	2,412	2,342	2,217	2,150	2,107	2,035	2,017	1,968
19	4,381	3,522	3,127	2,895	2,740	2,628	2,477	2,378	2,308	2,182	2,114	2,071	1,999	1,980	1,930
20	4,351	3,493	3,098	2,866	2,711	2,599	2,447	2,348	2,278	2,151	2,082	2,039	1,966	1,946	1,896
21	4,325	3,467	3,072	2,840	2,685	2,573	2,420	2,321	2,250	2,123	2,054	2,010	1,936	1,916	1,866
22	4,301	3,443	3,049	2,817	2,661	2,549	2,397	2,297	2,226	2,098	2,028	1,984	1,909	1,889	1,838
23	4,279	3,422	3,028	2,796	2,640	2,528	2,375	2,275	2,204	2,075	2,005	1,961	1,885	1,865	1,813
24	4,260	3,403	3,009	2,776	2,621	2,508	2,355	2,255	2,183	2,054	1,984	1,939	1,863	1,842	1,790
25	4,242	3,385	2,991	2,759	2,603	2,490	2,337	2,236	2,165	2,035	1,964	1,919	1,842	1,822	1,768
26	4,225	3,369	2,975	2,743	2,587	2,474	2,321	2,220	2,148	2,018	1,946	1,901	1,823	1,803	1,749
27	4,210	3,354	2,960	2,728	2,572	2,459	2,305	2,204	2,132	2,002	1,930	1,884	1,806	1,785	1,731
28	4,196	3,340	2,947	2,714	2,558	2,445	2,291	2,190	2,118	1,987	1,915	1,869	1,790	1,769	1,714
29	4,183	3,328	2,934	2,701	2,545	2,432	2,278	2,177	2,104	1,973	1,901	1,854	1,775	1,754	1,698
30	4,171	3,316	2,922	2,690	2,534	2,421	2,266	2,165	2,092	1,960	1,887	1,841	1,761	1,740	1,683
31	4,160	3,305	2,911	2,679	2,523	2,409	2,255	2,153	2,080	1,948	1,875	1,828	1,748	1,726	1,670
32	4,149	3,295	2,901	2,668	2,512	2,399	2,244	2,142	2,070	1,937	1,864	1,817	1,736	1,714	1,657
33	4,139	3,285	2,892	2,659	2,503	2,389	2,235	2,133	2,060	1,926	1,853	1,806	1,724	1,702	1,645
34	4,130	3,276	2,883	2,650	2,494	2,380	2,225	2,123	2,050	1,917	1,843	1,795	1,713	1,691	1,633
35	4,121	3,267	2,874	2,641	2,485	2,372	2,217	2,114	2,041	1,907	1,833	1,786	1,703	1,681	1,623
40	4,085	3,232	2,839	2,606	2,449	2,336	2,180	2,077	2,003	1,868	1,793	1,744	1,660	1,637	1,577
50	4,034	3,183	2,790	2,557	2,400	2,286	2,130	2,026	1,952	1,814	1,737	1,687	1,599	1,576	1,511
80	3,960	3,111	2,719	2,486	2,329	2,214	2,056	1,951	1,875	1,734	1,654	1,602	1,508	1,482	1,411
100	3,936	3,087	2,696	2,463	2,305	2,191	2,032	1,927	1,850	1,708	1,627	1,573	1,477	1,450	1,376
120	3,920	3,072	2,680	2,447	2,290	2,175	2,016	1,910	1,834	1,690	1,608	1,554	1,457	1,429	1,352

Valeurs de F ayant 1% de chances d'être dépassées.

$n_2 \backslash n_1$	1	2	3	4	5	6	8	10	12	18	24	30	50	60	120
1	4052,185	4999,340	5403,534	5624,257	5763,955	5858,950	5980,954	6055,925	6106,682	6191,432	6234,273	6260,350	6302,260	6312,970	6339,513
2	98,502	99,000	99,164	99,251	99,302	99,331	99,375	99,397	99,419	99,444	99,455	99,466	99,477	99,484	99,491
3	34,116	30,816	29,457	28,710	28,237	27,911	27,489	27,228	27,052	26,751	26,597	26,504	26,354	26,316	26,221
4	21,198	18,000	16,694	15,977	15,522	15,207	14,799	14,546	14,374	14,079	13,929	13,838	13,690	13,652	13,558
5	16,258	13,274	12,060	11,392	10,967	10,672	10,289	10,051	9,888	9,609	9,466	9,379	9,238	9,202	9,112
6	13,745	10,925	9,780	9,148	8,746	8,466	8,102	7,874	7,718	7,451	7,313	7,229	7,091	7,057	6,969
7	12,246	9,547	8,451	7,847	7,460	7,191	6,840	6,620	6,469	6,209	6,074	5,992	5,858	5,824	5,737
8	11,259	8,649	7,591	7,006	6,632	6,371	6,029	5,814	5,667	5,412	5,279	5,198	5,065	5,032	4,946
9	10,562	8,022	6,992	6,422	6,057	5,802	5,467	5,257	5,111	4,860	4,729	4,649	4,517	4,483	4,398
10	10,044	7,559	6,552	5,994	5,636	5,386	5,057	4,849	4,706	4,457	4,327	4,247	4,115	4,082	3,996
11	9,646	7,206	6,217	5,668	5,316	5,069	4,744	4,539	4,397	4,150	4,021	3,941	3,810	3,776	3,690
12	9,330	6,927	5,953	5,412	5,064	4,821	4,499	4,296	4,155	3,910	3,780	3,701	3,569	3,535	3,449
13	9,074	6,701	5,739	5,205	4,862	4,620	4,302	4,100	3,960	3,716	3,587	3,507	3,375	3,341	3,255
14	8,862	6,515	5,564	5,035	4,695	4,456	4,140	3,939	3,800	3,556	3,427	3,348	3,215	3,181	3,094
15	8,683	6,359	5,417	4,893	4,556	4,318	4,004	3,805	3,666	3,423	3,294	3,214	3,081	3,047	2,959
16	8,531	6,226	5,292	4,773	4,437	4,202	3,890	3,691	3,553	3,310	3,181	3,101	2,967	2,933	2,845
17	8,400	6,112	5,185	4,669	4,336	4,101	3,791	3,593	3,455	3,212	3,083	3,003	2,869	2,835	2,746
18	8,285	6,013	5,092	4,579	4,248	4,015	3,705	3,508	3,371	3,128	2,999	2,919	2,784	2,749	2,660
19	8,185	5,926	5,010	4,500	4,171	3,939	3,631	3,434	3,297	3,054	2,925	2,844	2,709	2,674	2,584
20	8,096	5,849	4,938	4,431	4,103	3,871	3,564	3,368	3,231	2,989	2,859	2,778	2,643	2,608	2,517
21	8,017	5,780	4,874	4,369	4,042	3,812	3,506	3,310	3,173	2,931	2,801	2,720	2,584	2,548	2,457
22	7,945	5,719	4,817	4,313	3,988	3,758	3,453	3,258	3,121	2,879	2,749	2,667	2,531	2,495	2,403
23	7,881	5,664	4,765	4,264	3,939	3,710	3,406	3,211	3,074	2,832	2,702	2,620	2,483	2,447	2,354
24	7,823	5,614	4,718	4,218	3,895	3,667	3,363	3,168	3,032	2,789	2,659	2,577	2,440	2,403	2,310
25	7,770	5,568	4,675	4,177	3,855	3,627	3,324	3,129	2,993	2,751	2,620	2,538	2,400	2,364	2,270
26	7,721	5,526	4,637	4,140	3,818	3,591	3,288	3,094	2,958	2,715	2,585	2,503	2,364	2,327	2,233
27	7,677	5,488	4,601	4,106	3,785	3,558	3,256	3,062	2,926	2,683	2,552	2,470	2,330	2,294	2,198
28	7,636	5,453	4,568	4,074	3,754	3,528	3,226	3,032	2,896	2,653	2,522	2,440	2,300	2,263	2,167
29	7,598	5,420	4,538	4,045	3,725	3,499	3,198	3,005	2,868	2,626	2,495	2,412	2,271	2,234	2,138
30	7,562	5,390	4,510	4,018	3,699	3,473	3,173	2,979	2,843	2,600	2,469	2,386	2,245	2,208	2,111
31	7,530	5,362	4,484	3,993	3,675	3,449	3,149	2,955	2,820	2,577	2,445	2,362	2,221	2,183	2,086
32	7,499	5,336	4,459	3,969	3,652	3,427	3,127	2,934	2,798	2,555	2,423	2,340	2,198	2,160	2,062
33	7,471	5,312	4,437	3,948	3,630	3,406	3,106	2,913	2,777	2,534	2,402	2,319	2,176	2,139	2,040
34	7,444	5,289	4,416	3,927	3,611	3,386	3,087	2,894	2,758	2,515	2,383	2,299	2,156	2,118	2,019
35	7,419	5,268	4,396	3,908	3,592	3,368	3,069	2,876	2,740	2,497	2,364	2,281	2,137	2,099	2,000
40	7,314	5,178	4,313	3,828	3,514	3,291	2,993	2,801	2,665	2,421	2,288	2,203	2,058	2,019	1,917
50	7,171	5,057	4,199	3,720	3,408	3,186	2,890	2,698	2,563	2,318	2,183	2,098	1,949	1,909	1,803
80	6,963	4,881	4,036	3,563	3,255	3,036	2,742	2,551	2,415	2,169	2,032	1,944	1,788	1,746	1,630
100	6,895	4,824	3,984	3,513	3,206	2,988	2,694	2,503	2,368	2,120	1,983	1,893	1,735	1,692	1,572
120	6,851	4,787	3,949	3,480	3,174	2,956	2,663	2,472	2,336	2,089	1,950	1,860	1,700	1,656	1,533