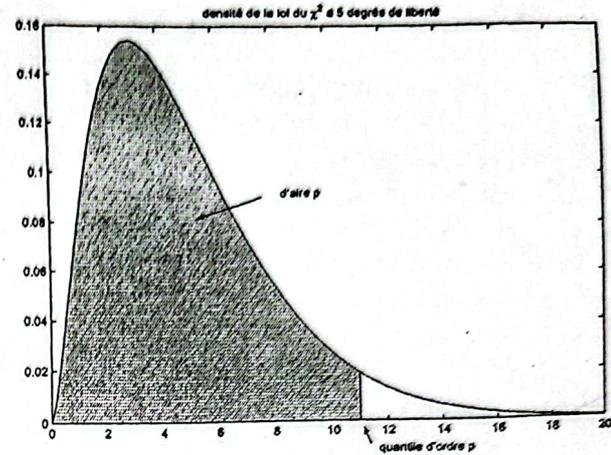# Loi du χ^2

Le tableau donne différents quantiles de la loi du χ^2 à n degrés de liberté : si F_n est la fonction de répartition de la loi du $\chi^2(n)$ et $p \in]0,1[$, alors le quantile d'ordre p de la loi du χ^2 à n degrés de liberté est le réel t tel que $F_n(t) = p$.

densité de la loi du χ^2 à 5 degrés de liberté — d'aire p — quantile d'ordre p

$n \backslash p$	0.001	0.005	0.010	0.020	0.025	0.050	0.1	0.15	0.2
1	0.0000	0.0000	0.0002	0.0006	0.0010	0.0039	0.0158	0.0358	0.0642
2	0.0020	0.0100	0.0201	0.0404	0.0506	0.1026	0.2107	0.3250	0.4463
3	0.0243	0.0717	0.1148	0.1848	0.2158	0.3518	0.5844	0.7978	1.0052
4	0.0908	0.2070	0.2971	0.4294	0.4844	0.7107	1.0636	1.3665	1.6488
5	0.2102	0.4117	0.5543	0.7519	0.8312	1.1455	1.6103	1.9938	2.3425
6	0.3811	0.6757	0.8721	1.1344	1.2373	1.6354	2.2041	2.6613	3.0701
7	0.5985	0.9893	1.2390	1.5643	1.6899	2.1673	2.8331	3.3583	3.8223
8	0.8571	1.3444	1.6465	2.0325	2.1797	2.7326	3.4895	4.0782	4.5936
9	1.1519	1.7349	2.0879	2.5324	2.7004	3.3251	4.1682	4.8165	5.3801
10	1.4787	2.1559	2.5582	3.0591	3.2470	3.9403	4.8652	5.5701	6.1791
11	1.8339	2.6032	3.0535	3.6087	3.8157	4.5748	5.5778	6.3364	6.9887
12	2.2142	3.0738	3.5706	4.1783	4.4038	5.2260	6.3038	7.1138	7.8073
13	2.6172	3.5650	4.1069	4.7654	5.0088	5.8919	7.0415	7.9008	8.6339
14	3.0407	4.0747	4.6604	5.3682	5.6287	6.5706	7.7895	8.6963	9.4673
15	3.4827	4.6009	5.2293	5.9849	6.2621	7.2609	8.5468	9.4993	10.3070
16	3.9416	5.1422	5.8122	6.6142	6.9077	7.9616	9.3122	10.3090	11.1521
17	4.4161	5.6972	6.4078	7.2550	7.5642	8.6718	10.0852	11.1249	12.0023
18	4.9048	6.2648	7.0149	7.9062	8.2307	9.3905	10.8649	11.9463	12.8570
19	5.4068	6.8440	7.6327	8.5670	8.9065	10.1170	11.6509	12.7727	13.7158
20	5.9210	7.4338	8.2604	9.2367	9.5908	10.8508	12.4426	13.6039	14.5784
21	6.4467	8.0337	8.8972	9.9146	10.2829	11.5913	13.2396	14.4393	15.4446
22	6.9830	8.6427	9.5425	10.6000	10.9823	12.3380	14.0415	15.2788	16.3140
23	7.5292	9.2604	10.1957	11.2926	11.6886	13.0905	14.8480	16.1219	17.1865
24	8.0849	9.8862	10.8564	11.9918	12.4012	13.8484	15.6587	16.9686	18.0618
25	8.6493	10.5197	11.5240	12.6973	13.1197	14.6114	16.4734	17.8184	18.9398
26	9.2221	11.1602	12.1981	13.4086	13.8439	15.3792	17.2919	18.6714	19.8202
27	9.8028	11.8076	12.8785	14.1254	14.5734	16.1514	18.1139	19.5272	20.7030
28	10.3909	12.4613	13.5647	14.8475	15.3079	16.9279	18.9392	20.3857	21.5880
29	10.9861	13.1211	14.2565	15.5745	16.0471	17.7084	19.7677	21.2468	22.4751
30	11.5880	13.7867	14.9535	16.3062	16.7908	18.4927	20.5992	22.1103	23.3641
31	12.1963	14.4578	15.6555	17.0423	17.5387	19.2806	21.4336	22.9762	24.2551
32	12.8107	15.1340	16.3622	17.7827	18.2908	20.0719	22.2706	23.8442	25.1478
33	13.4309	15.8153	17.0735	18.5271	19.0467	20.8665	23.1102	24.7143	26.0422
34	14.0567	16.5013	17.7891	19.2754	19.8063	21.6643	23.9523	25.5864	26.9383
35	14.6878	17.1918	18.5089	20.0274	20.5694	22.4650	24.7967	26.4604	27.8359
36	15.3241	17.8867	19.2327	20.7829	21.3359	23.2686	25.6433	27.3362	28.7350