

Tabela da Distribuição F-Snedecor

Quantis da distribuição F-Snedecor para alguns valores de α

Vamos calcular os quantis da distribuição F-Snedecor, ou seja, vamos achar $f_{\alpha; \nu_1, \nu_2}$ tal que $P(F \leq f_{\alpha; \nu_1, \nu_2}) = \alpha$ para $\alpha \in \{0, 9; 0, 95; 0, 975; 0, 99; 0, 995\}$. Note que, pelas características da distribuição F-Snedecor, temos que $f_{1-\alpha} = \frac{1}{f_{\alpha; \nu_1, \nu_2}}$.

Quantis para a probabilidade de $\alpha = 0, 9$

G.L.	ν_2																													
ν_1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	30	60	120	240	
1	39,8655	8,5263	5,5383	4,5448	4,0604	3,7759	3,5894	3,4579	3,3603	3,2850	3,2252	3,1765	3,1362	3,1022	3,0732	3,0481	3,0262	3,0070	2,9899	2,9747	2,9610	2,9486	2,9374	2,9271	2,9177	2,8807	2,7911	2,7478	2,7246	
2	49,5000	9,0000	5,4624	4,3246	3,7797	3,4683	3,2574	3,1311	3,0605	2,9245	2,8595	2,8068	2,7632	2,7265	2,6952	2,6682	2,6446	2,6239	2,6056	2,5893	2,5746	2,5613	2,5493	2,5383	2,5283	2,4887	2,3933	2,3473	2,3248	
3	53,932	9,1618	5,4908	4,3504	3,8053	3,4943	3,2834	3,0571	2,9865	2,8505	2,7855	2,7419	2,7052	2,6739	2,6426	2,6180	2,5963	2,5770	2,5607	2,5459	2,5328	2,5211	2,5106	2,5012	2,4771	2,3777	2,3327	2,3092	2,2867	
4	55,8300	9,2434	5,3426	4,1022	3,5572	3,2462	3,0353	2,8090	2,7384	2,6024	2,5374	2,4938	2,4571	2,4258	2,3945	2,3700	2,3483	2,3300	2,3152	2,3021	2,2904	2,2799	2,2704	2,2620	2,2546	2,2265	2,1271	2,1821	2,1586	2,1361
5	57,2401	9,2926	5,3092	4,0688	3,5234	3,2124	2,9861	2,7598	2,6892	2,5532	2,4882	2,4446	2,4079	2,3766	2,3453	2,3208	2,3001	2,2853	2,2722	2,2605	2,2500	2,2415	2,2341	2,2277	2,2223	2,1992	2,0998	2,1548	2,1313	2,1088
6	58,2044	9,3255	5,2847	4,0443	3,4989	3,1879	2,9616	2,7353	2,6647	2,5287	2,4637	2,4201	2,3834	2,3521	2,3208	2,2963	2,2756	2,2608	2,2491	2,2386	2,2291	2,2216	2,2152	2,2098	2,2054	2,1823	2,0829	2,1379	2,1144	2,0919
7	58,9060	9,3491	5,2703	4,0300	3,4846	3,1736	2,9473	2,7210	2,6504	2,5144	2,4494	2,4058	2,3691	2,3378	2,3065	2,2820	2,2613	2,2465	2,2348	2,2243	2,2158	2,2094	2,2040	2,2006	2,1981	2,1750	2,0756	2,1306	2,1071	2,0846
8	59,4390	9,3668	5,2517	3,9949	3,4495	3,1385	2,9122	2,6859	2,6153	2,4793	2,4143	2,3707	2,3340	2,3027	2,2714	2,2469	2,2262	2,2114	2,2007	2,1912	2,1848	2,1794	2,1750	2,1725	2,1710	2,1479	2,0485	2,1035	2,0800	2,0575
9	59,8576	9,3805	5,2400	3,9757	3,4303	3,1193	2,8930	2,6667	2,5961	2,4601	2,3951	2,3515	2,3148	2,2835	2,2522	2,2277	2,2070	2,1922	2,1815	2,1730	2,1676	2,1632	2,1607	2,1602	2,1607	2,1376	2,0382	2,0932	2,0697	2,0472
10	60,1950	9,3916	5,2304	3,9654	3,4200	3,1090	2,8827	2,6564	2,5858	2,4498	2,3848	2,3412	2,3045	2,2732	2,2419	2,2174	2,1967	2,1820	2,1713	2,1628	2,1574	2,1530	2,1505	2,1500	2,1505	2,1274	2,0280	2,0830	2,0595	2,0370
11	60,4727	9,4006	5,2224	3,9607	3,4153	3,1043	2,8780	2,6517	2,5811	2,4451	2,3801	2,3365	2,3008	2,2695	2,2382	2,2137	2,1930	2,1783	2,1676	2,1591	2,1537	2,1493	2,1468	2,1463	2,1468	2,1237	2,0243	2,0793	2,0558	2,0333
12	60,7052	9,4081	5,2156	3,9555	3,4101	3,0991	2,8728	2,6465	2,5760	2,4400	2,3750	2,3314	2,2957	2,2644	2,2331	2,2086	2,1879	2,1732	2,1625	2,1540	2,1486	2,1442	2,1417	2,1412	2,1417	2,1186	2,0192	2,0742	2,0507	2,0282
13	60,9028	9,4145	5,2098	3,9507	3,4053	3,0943	2,8680	2,6417	2,5711	2,4351	2,3701	2,3265	2,2908	2,2595	2,2282	2,2037	2,1830	2,1683	2,1576	2,1491	2,1437	2,1393	2,1368	2,1363	2,1368	2,1137	2,0143	2,0693	2,0458	2,0233
14	61,0727	9,4200	5,2047	3,9456	3,4002	3,0892	2,8629	2,6366	2,5660	2,4300	2,3650	2,3214	2,2857	2,2544	2,2231	2,1986	2,1779	2,1632	2,1525	2,1440	2,1386	2,1342	2,1317	2,1312	2,1317	2,1086	2,0092	2,0642	2,0407	2,0182
15	61,2203	9,4247	5,2003	3,9407	3,3953	3,0843	2,8580	2,6317	2,5611	2,4251	2,3601	2,3165	2,2808	2,2495	2,2182	2,1937	2,1730	2,1583	2,1476	2,1391	2,1337	2,1293	2,1268	2,1263	2,1268	2,1037	2,0043	2,0593	2,0358	2,0133
16	61,3499	9,4289	5,1964	3,9359	3,3905	3,0795	2,8532	2,6269	2,5563	2,4203	2,3553	2,3117	2,2760	2,2447	2,2134	2,1889	2,1682	2,1535	2,1428	2,1343	2,1289	2,1245	2,1220	2,1215	2,1220	2,0989	2,0000	2,0550	2,0315	2,0090
17	61,4644	9,4325	5,1929	3,9314	3,3860	3,0750	2,8487	2,6224	2,5518	2,4158	2,3508	2,3072	2,2715	2,2402	2,2089	2,1844	2,1637	2,1490	2,1383	2,1298	2,1244	2,1200	2,1175	2,1170	2,1175	2,0944	2,0000	2,0550	2,0315	2,0090
18	61,5664	9,4358	5,1898	3,9271	3,3817	3,0707	2,8444	2,6181	2,5475	2,4115	2,3465	2,3029	2,2672	2,2359	2,2046	2,1801	2,1594	2,1447	2,1340	2,1255	2,1201	2,1157	2,1132	2,1127	2,1132	2,0901	2,0000	2,0550	2,0315	2,0090
19	61,6579	9,4387	5,1870	3,9223	3,3763	3,0653	2,8390	2,6127	2,5421	2,4061	2,3411	2,2975	2,2618	2,2305	2,1992	2,1747	2,1540	2,1393	2,1286	2,1201	2,1147	2,1103	2,1078	2,1073	2,1078	2,0847	2,0000	2,0550	2,0315	2,0090
20	61,7403	9,4413	5,1845	3,9174	3,3714	3,0604	2,8341	2,6078	2,5372	2,4012	2,3362	2,2926	2,2569	2,2256	2,1943	2,1698	2,1491	2,1344	2,1237	2,1152	2,1098	2,1054	2,1029	2,1024	2,1029	2,0798	2,0000	2,0550	2,0315	2,0090
21	61,8150	9,4437	5,1822	3,9126	3,3665	3,0555	2,8292	2,6029	2,5323	2,4000	2,3350	2,2914	2,2557	2,2244	2,1931	2,1686	2,1479	2,1332	2,1225	2,1140	2,1086	2,1042	2,1017	2,1012	2,1017	2,0786	2,0000	2,0550	2,0315	2,0090
22	61,8829	9,4458	5,1801	3,9077	3,3616	3,0506	2,8243	2,5976	2,5270	2,3950	2,3300	2,2864	2,2507	2,2194	2,1881	2,1636	2,1429	2,1282	2,1175	2,1090	2,1036	2,1001	2,0976	2,0971	2,0976	2,0745	2,0000	2,0550	2,0315	2,0090
23	61,9450	9,4478	5,1781	3,9031	3,3567	3,0496	2,8197	2,5930	2,5224	2,3900	2,3250	2,2814	2,2457	2,2144	2,1831	2,1586	2,1379	2,1232	2,1125	2,1040	2,1000	2,0955	2,0930	2,0925	2,0930	2,0700	2,0000	2,0550	2,0315	2,0090
24	62,0020	9,4496	5,1764	3,8983	3,3518	3,0488	2,8151	2,5884	2,5178	2,3850	2,3200	2,2764	2,2407	2,2094	2,1781	2,1536	2,1329	2,1182	2,1075	2,1000	2,0950	2,0905	2,0880	2,0875	2,0880	2,0650	2,0000	2,0550	2,0315	2,0090
25	62,0545	9,4513	5,1747	3,8935	3,3471	3,0478	2,8104	2,5837	2,5131	2,3800	2,3150	2,2714	2,2357	2,2044	2,1731	2,1486	2,1279	2,1132	2,1025	2,0950	2,0900	2,0855	2,0830	2,0825	2,0830	2,0600	2,0000	2,0550	2,0315	2,0090
30	62,2650	9,4579	5,1681	3,8774	3,3311	3,0311	2,7955	2,5698	2,4992	2,3660	2,3010	2,2574	2,2217	2,1904	2,1591	2,1346	2,1139	2,1000	2,0893	2,0828	2,0774	2,0729	2,0704	2,0709	2,0714	2,0484	2,0000	2,0550	2,0315	2,0090
60	62,7943	9,4746	5,1512	3,7996	3,3140	2,7620	2,5464	2,3207	2,2501	2,1170	2,0520	2,0084	1,9727	1,9414	1,9101	1,8846	1,8639	1,8482	1,8375	1,8310	1,8265	1,8240	1,8235	1,8240	1,8245	1,8015	2,0000	2,0550	2,0315	2,0090
120	63,0606	9,4829	5,1425	3,7793	3,3028	2,7505	2,5349	2,3092	2,2386	2,1055	2,0405	1,9969	1,9602	1,9289	1,8976	1,8721	1,8514	1,8357	1,8250	1,8185	1,8140	1,8115	1,8110	1,8115	1,8120	1,7890	2,0000	2,0550	2,0315	2,0090
240	63,1942	9,4871	5,1381	3,7680	3,3119	2,7323	2,4819	2,3062	2,2356	2,1025	2,0375	1,9939	1,9572	1,9259	1,8946	1,8691	1,8484	1,8327	1,8220	1,8155	1,8110	1,8085	1,8080	1,8085	1,8090	1,7860	2,0000	2,0550	2,0315	2,0090

Quantis para a probabilidade de $\alpha = 0, 95$

G.L.	ν_2																												
ν_1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	30	60	120	240
1	161,4476	18,5128	10,1280	7,7086	6,6079	5,9874	5,5914	5,3177	5,1174	4,9646	4,8443	4,7472	4,6672	4,6001	4,5431	4,4940	4,4513	4,4139	4,3807	4,3512	4,3248	4,3009	4,2793	4,2597	4,2417	4,1709	4,0012	3,9201	3,8805
2	199,5000	19,0000	9,5521	6,9443	5,7861	5,1633	4,7374	4,4590	4,2565	4,1028	3,9823	3,8853	3,8056	3,7389	3,6823	3,6337	3,5915	3,5546	3,5219	3,4928	3,4668	3,4434	3,4221	3,4028	3,3852	3,1504	3,0718	3,0334	3,0000
3	215,7073	19,1643	9,2766	6,5914	5,4095	4,7571	4,3468	4,0662	3,8625	3,7083	3,5874	3,4903	3,4105	3,3439	3,2873	3,2389	3,1968	3,1599	3,1274	3,0984	3,0725	3,0491	3,0280	3,0088	2,9912	2,9202	2,7581	2,6802	2,6422
4	224,5832	19,2468	9,1172	6,3882	5,1925	4,5297	4,1203	3,8379	3,6331	3,4780	3,3577	3,2599	3,1791	3,1122	3,0556	3,0069	2,9647	2,9277	2,8951	2,8661	2,8401	2,8167	2,7953	2,7763	2,7593	2,6883	2,5252	2,4472	2,4093
5	230,1619	19,2964	9,0135	6,2561	5,0503	4,3874	3,9715	3,6875	3,4827	3,3276																			

Quantis para a probabilidade de $\alpha = 0,975$

GL	v_2																													
v_1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	30	40	60	120	240
1	647,789	38,506	17,443	12,218	10,007	8,813	8,073	7,571	7,209	6,937	6,724	6,554	6,414	6,298	6,200	6,115	6,042	5,978	5,922	5,872	5,827	5,786	5,750	5,717	5,686	5,568	5,286	5,152	5,008	
2	799,500	39,000	16,404	10,649	8,434	7,260	6,542	6,060	5,715	5,456	5,256	5,096	4,965	4,857	4,765	4,687	4,619	4,560	4,508	4,461	4,420	4,383	4,349	4,319	4,291	4,182	3,925	3,805	3,716	
3	864,163	39,166	15,939	9,979	7,764	6,599	5,890	5,416	5,078	4,826	4,630	4,474	4,347	4,242	4,153	4,077	4,011	3,954	3,903	3,859	3,819	3,783	3,751	3,721	3,694	3,589	3,343	3,227	3,141	
4	899,583	39,248	15,101	9,605	7,388	6,227	5,523	5,053	4,718	4,468	4,275	4,121	3,996	3,892	3,804	3,729	3,665	3,608	3,559	3,515	3,475	3,440	3,408	3,379	3,353	3,250	3,008	2,894	2,840	
5	921,848	39,298	14,885	9,365	7,146	5,985	5,285	4,817	4,484	4,236	4,044	3,891	3,767	3,663	3,576	3,502	3,438	3,383	3,333	3,289	3,250	3,215	3,184	3,155	3,129	3,027	2,786	2,674	2,620	
6	937,111	39,332	14,735	9,197	6,978	5,820	5,119	4,652	4,320	4,072	3,881	3,728	3,604	3,501	3,415	3,341	3,277	3,221	3,172	3,128	3,090	3,055	3,023	2,995	2,969	2,867	2,627	2,515	2,461	
7	948,217	39,355	14,624	9,074	6,853	5,695	4,995	4,529	4,197	3,950	3,759	3,607	3,483	3,380	3,293	3,219	3,156	3,101	3,051	3,007	2,969	2,934	2,902	2,874	2,848	2,746	2,507	2,395	2,341	
8	956,656	39,373	14,540	8,980	6,767	5,609	4,909	4,443	4,111	3,864	3,673	3,520	3,397	3,294	3,207	3,133	3,069	3,014	2,964	2,920	2,882	2,849	2,820	2,793	2,767	2,665	2,426	2,314	2,260	
9	963,285	39,387	14,473	8,905	6,681	5,523	4,823	4,357	4,026	3,779	3,588	3,436	3,313	3,210	3,123	3,049	2,985	2,929	2,880	2,837	2,798	2,763	2,731	2,703	2,677	2,575	2,336	2,224	2,170	
10	968,627	39,398	14,419	8,844	6,619	5,461	4,761	4,295	3,964	3,717	3,526	3,374	3,251	3,148	3,061	2,987	2,923	2,868	2,817	2,774	2,735	2,700	2,668	2,640	2,614	2,512	2,273	2,161	2,107	
11	973,025	39,407	14,374	8,794	6,568	5,410	4,710	4,243	3,912	3,665	3,474	3,322	3,199	3,096	3,009	2,934	2,870	2,814	2,765	2,721	2,682	2,647	2,615	2,588	2,562	2,460	2,221	2,109	2,054	
12	976,708	39,415	14,337	8,751	6,525	5,366	4,666	4,200	3,868	3,621	3,430	3,277	3,155	3,052	2,965	2,890	2,825	2,769	2,720	2,676	2,637	2,602	2,570	2,545	2,519	2,417	2,178	2,066	2,011	
13	979,837	39,421	14,305	8,715	6,488	5,329	4,629	4,163	3,831	3,583	3,392	3,239	3,117	3,014	2,927	2,851	2,786	2,730	2,681	2,637	2,598	2,563	2,531	2,506	2,480	2,378	2,139	2,027	1,972	
14	982,528	39,427	14,277	8,684	6,456	5,297	4,597	4,131	3,799	3,551	3,360	3,207	3,085	2,982	2,895	2,819	2,753	2,696	2,647	2,603	2,564	2,529	2,497	2,472	2,446	2,344	2,105	2,000	1,945	
15	984,867	39,431	14,253	8,657	6,428	5,269	4,568	4,102	3,770	3,522	3,330	3,177	3,055	2,952	2,865	2,789	2,723	2,666	2,617	2,573	2,534	2,499	2,467	2,441	2,415	2,313	2,074	1,962	1,907	
16	986,919	39,435	14,232	8,633	6,403	5,244	4,543	4,077	3,745	3,497	3,304	3,151	3,029	2,926	2,839	2,763	2,697	2,640	2,591	2,547	2,507	2,472	2,440	2,414	2,388	2,286	2,033	1,919	1,859	
17	988,733	39,439	14,213	8,611	6,381	5,222	4,521	4,055	3,723	3,475	3,282	3,129	3,007	2,904	2,817	2,741	2,675	2,618	2,569	2,525	2,485	2,448	2,416	2,390	2,364	2,262	2,009	1,895	1,833	
18	990,349	39,442	14,196	8,592	6,362	5,202	4,501	4,035	3,703	3,455	3,262	3,109	2,987	2,884	2,797	2,721	2,655	2,598	2,549	2,505	2,465	2,428	2,396	2,370	2,344	2,242	1,989	1,866	1,809	
19	991,797	39,445	14,181	8,575	6,344	5,184	4,483	4,017	3,685	3,437	3,244	3,091	2,969	2,866	2,779	2,703	2,637	2,588	2,539	2,495	2,455	2,418	2,386	2,360	2,334	2,232	1,979	1,856	1,787	
20	993,108	39,448	14,167	8,560	6,329	5,168	4,467	4,001	3,669	3,421	3,228	3,075	2,953	2,850	2,763	2,687	2,621	2,572	2,523	2,479	2,439	2,402	2,370	2,344	2,318	2,216	1,963	1,840	1,771	
21	994,286	39,450	14,155	8,546	6,314	5,154	4,453	3,987	3,655	3,407	3,214	3,061	2,939	2,836	2,749	2,673	2,607	2,558	2,509	2,465	2,425	2,388	2,356	2,330	2,304	2,202	1,949	1,826	1,757	
22	995,362	39,453	14,144	8,533	6,301	5,141	4,439	3,973	3,641	3,393	3,199	3,046	2,924	2,821	2,734	2,658	2,592	2,543	2,494	2,449	2,409	2,372	2,340	2,314	2,288	2,186	1,933	1,810	1,741	
23	996,344	39,454	14,134	8,522	6,289	5,128	4,426	3,960	3,628	3,380	3,186	3,033	2,911	2,808	2,721	2,645	2,579	2,530	2,481	2,436	2,396	2,359	2,333	2,307	2,281	2,179	1,926	1,778	1,719	
24	997,249	39,456	14,124	8,511	6,278	5,117	4,415	3,949	3,617	3,369	3,175	3,022	2,900	2,797	2,710	2,634	2,568	2,519	2,470	2,425	2,385	2,348	2,322	2,296	2,270	2,168	1,915	1,767	1,708	
25	998,081	39,458	14,116	8,501	6,268	5,107	4,405	3,939	3,607	3,359	3,165	3,012	2,890	2,787	2,699	2,623	2,557	2,508	2,459	2,414	2,374	2,337	2,311	2,285	2,259	2,157	1,904	1,746	1,686	
26	1001,414	39,465	14,101	8,461	6,227	5,065	4,362	3,894	3,562	3,314	3,119	2,966	2,844	2,737	2,650	2,574	2,508	2,459	2,410	2,365	2,325	2,288	2,262	2,236	2,210	2,108	1,855	1,697	1,628	
27	1009,800	39,481	13,992	8,360	6,123	4,959	4,254	3,784	3,449	3,198	3,004	2,848	2,726	2,619	2,532	2,456	2,390	2,341	2,292	2,243	2,203	2,167	2,141	2,115	2,089	2,052	1,800	1,643	1,564	
28	1014,020	39,490	13,977	8,309	6,069	4,904	4,199	3,728	3,392	3,140	2,944	2,787	2,670	2,583	2,507	2,431	2,365	2,316	2,267	2,218	2,178	2,142	2,116	2,090	2,064	2,012	1,816	1,659	1,540	
240	1016,137	39,494	13,925	8,283	6,042	4,877	4,171	3,699	3,363	3,110	2,914	2,756	2,639	2,552	2,476	2,399	2,333	2,284	2,235	2,186	2,146	2,110	2,084	2,058	2,032	1,980	1,843	1,635	1,460	

Quantis para a probabilidade de $\alpha = 0,99$

GL	v_2																													
v_1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	30	40	60	120	240
1	4052,1907	98,5025	34,1162	21,1977	16,2582	13,7450	12,2464	11,2586	10,5614	10,0443	9,6460	9,3202	9,0738	8,8616	8,6831	8,5310	8,3997	8,2854	8,1849	8,0960	8,0166	7,9454	7,8811	7,8227	7,7698	7,5625	7,0771	6,8509	6,7471	
2	4999,5000	99,0000	30,8165	18,0000	13,2739	10,2948	9,5466	8,6491	8,0215	7,5594	7,2057	6,9266	6,7010	6,5149	6,3589	6,2262	6,1121	6,0129	5,9259	5,8489	5,7804	5,7190	5,6637	5,6136	5,5680	5,3903	4,9774	4,7665	4,6472	
3	5403,3520	99,1662	29,1662	16,6944	12,0600	9,7959	8,5413	7,5910	6,9919	6,5223	6,1627	5,9257	5,7394	5,5639	5,4170	5,2922	5,1850	5,0919	5,0103	4,9382	4,8740	4,8166	4,7649	4,7181	4,6755	4,5097	4,1259	3,9491	3,8642	
4	5624,5833	99,2324	28,7099	15,9770	11,9319	9,1483	7,8466	7,0061	6,4221	5,9943	5,6683	5,4120	5,2033	5,0354	4,8932	4,7726	4,6690	4,5790	4,5003	4,4307	4,3688	4,3134	4,2636	4,2184	4,1774	4,0179	3,6490	3,4795	3,3982	
5	5763,6496	99,2993	28,2371	15,5219	10,9670	8,7459	7,4604	6,6318	6,0569	5,6363	5,3160	5,0643	4,8616	4,6950	4,5536	4,4374	4,2479	4,1708	4,1027	4,0421	3,9880	3,9392	3,8951	3,8550	3,6960	3,3389	3,1735	3,0943		
6	5858,9861	99,3448	27,9107	15,2067	10,6723	8,4661	7,1914	6,3707	5,8018	5,3858	5,0692	4,8204	4,6204	4,4518	4,3103	4,2014	4,1058	4,0246	3,9536	3,8914	3,8317	3,7762	3,7250	3,6774	3,6333	3,4797	3,1187	2,9559	2,8778	
7	5928,3557	99,3564	27,6717	14,9758	10,4555	8,2600	6,9928	6,1776	5,6129	5,2001	4,8861	4,6395	4,4401	4,2779	4,1415	4,0259	3,9267	3,8406	3,7653	3,6987	3,6396	3,5867	3,5390	3,4959	3,4568	3,3030	2,9520	2,7918	2,7145	
8	5981,0703	99,3742	27,4892	14,7889	10,2893																									