

Wartości krytyczne rozkładu F-Snedecora

$X \sim F_{v_1, v_2}$ - X zmienna losowa o rozkładzie F- Snedecora z liczbami stopni swobody (v_1, v_2)

poziom istotności $\alpha = 0,05$,

F_{α, v_1, v_2} - wartość krytyczna - liczba taka, że $P(X > F_{\alpha, v_1, v_2}) = \alpha$

	v1														
v2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	161,446	199,499	215,707	224,583	230,160	233,988	236,767	238,884	240,543	241,882	242,981	243,905	244,690	245,363	245,949
2	18,513	19,000	19,164	19,247	19,296	19,329	19,353	19,371	19,385	19,396	19,405	19,412	19,419	19,424	19,429
3	10,128	9,552	9,277	9,117	9,013	8,941	8,887	8,845	8,812	8,785	8,763	8,745	8,729	8,715	8,703
4	7,709	6,944	6,591	6,388	6,256	6,163	6,094	6,041	5,999	5,964	5,936	5,912	5,891	5,873	5,858
5	6,608	5,786	5,409	5,192	5,050	4,950	4,876	4,818	4,772	4,735	4,704	4,678	4,655	4,636	4,619
6	5,987	5,143	4,757	4,534	4,387	4,284	4,207	4,147	4,099	4,060	4,027	4,000	3,976	3,956	3,938
7	5,591	4,737	4,347	4,120	3,972	3,866	3,787	3,726	3,677	3,637	3,603	3,575	3,550	3,529	3,511
8	5,318	4,459	4,066	3,838	3,688	3,581	3,500	3,438	3,388	3,347	3,313	3,284	3,259	3,237	3,218
9	5,117	4,256	3,863	3,633	3,482	3,374	3,293	3,230	3,179	3,137	3,102	3,073	3,048	3,025	3,006
10	4,965	4,103	3,708	3,478	3,326	3,217	3,135	3,072	3,020	2,978	2,943	2,913	2,887	2,865	2,845
11	4,844	3,982	3,587	3,357	3,204	3,095	3,012	2,948	2,896	2,854	2,818	2,788	2,761	2,739	2,719
12	4,747	3,885	3,490	3,259	3,106	2,996	2,913	2,849	2,796	2,753	2,717	2,687	2,660	2,637	2,617
13	4,667	3,806	3,411	3,179	3,025	2,915	2,832	2,767	2,714	2,671	2,635	2,604	2,577	2,554	2,533
14	4,600	3,739	3,344	3,112	2,958	2,848	2,764	2,699	2,646	2,602	2,565	2,534	2,507	2,484	2,463
15	4,543	3,682	3,287	3,056	2,901	2,790	2,707	2,641	2,588	2,544	2,507	2,475	2,448	2,424	2,403
16	4,494	3,634	3,239	3,007	2,852	2,741	2,657	2,591	2,538	2,494	2,456	2,425	2,397	2,373	2,352
17	4,451	3,592	3,197	2,965	2,810	2,699	2,614	2,548	2,494	2,450	2,413	2,381	2,353	2,329	2,308
18	4,414	3,555	3,160	2,928	2,773	2,661	2,577	2,510	2,456	2,412	2,374	2,342	2,314	2,290	2,269
19	4,381	3,522	3,127	2,895	2,740	2,628	2,544	2,477	2,423	2,378	2,340	2,308	2,280	2,256	2,234
20	4,351	3,493	3,098	2,866	2,711	2,599	2,514	2,447	2,393	2,348	2,310	2,278	2,250	2,225	2,203
30	4,171	3,316	2,922	2,690	2,534	2,421	2,334	2,266	2,211	2,165	2,126	2,092	2,063	2,037	2,015
40	4,085	3,232	2,839	2,606	2,449	2,336	2,249	2,180	2,124	2,077	2,038	2,003	1,974	1,948	1,924
50	4,034	3,183	2,790	2,557	2,400	2,286	2,199	2,130	2,073	2,026	1,986	1,952	1,921	1,895	1,871
60	4,001	3,150	2,758	2,525	2,368	2,254	2,167	2,097	2,040	1,993	1,952	1,917	1,887	1,860	1,836
70	3,978	3,128	2,736	2,503	2,346	2,231	2,143	2,074	2,017	1,969	1,928	1,893	1,863	1,836	1,812
80	3,960	3,111	2,719	2,486	2,329	2,214	2,126	2,056	1,999	1,951	1,910	1,875	1,845	1,817	1,793
90	3,947	3,098	2,706	2,473	2,316	2,201	2,113	2,043	1,986	1,938	1,897	1,861	1,830	1,803	1,779
100	3,936	3,087	2,696	2,463	2,305	2,191	2,103	2,032	1,975	1,927	1,886	1,850	1,819	1,792	1,768
500	3,860	3,014	2,623	2,390	2,232	2,117	2,028	1,957	1,899	1,850	1,808	1,772	1,740	1,712	1,686
1000	3,851	3,005	2,614	2,381	2,223	2,108	2,019	1,948	1,889	1,840	1,798	1,762	1,730	1,702	1,676

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	v1														
v2	16	17	18	19	20	30	40	50	60	70	80	90	100	500	1000
1	246,466	246,917	247,324	247,688	248,016	250,096	251,144	251,774	252,196	252,498	252,723	252,898	253,043	254,062	254,186
2	19,433	19,437	19,440	19,443	19,446	19,463	19,471	19,476	19,479	19,481	19,483	19,485	19,486	19,494	19,495
3	8,692	8,683	8,675	8,667	8,660	8,617	8,594	8,581	8,572	8,566	8,561	8,557	8,554	8,532	8,529
4	5,844	5,832	5,821	5,811	5,803	5,746	5,717	5,699	5,688	5,679	5,673	5,668	5,664	5,635	5,632
5	4,604	4,590	4,579	4,568	4,558	4,496	4,464	4,444	4,431	4,422	4,415	4,409	4,405	4,373	4,369
6	3,922	3,908	3,896	3,884	3,874	3,808	3,774	3,754	3,740	3,730	3,722	3,716	3,712	3,678	3,673
7	3,494	3,480	3,467	3,455	3,445	3,376	3,340	3,319	3,304	3,294	3,286	3,280	3,275	3,239	3,234
8	3,202	3,187	3,173	3,161	3,150	3,079	3,043	3,020	3,005	2,994	2,986	2,980	2,975	2,937	2,932
9	2,989	2,974	2,960	2,948	2,936	2,864	2,826	2,803	2,787	2,776	2,768	2,761	2,756	2,717	2,712
10	2,828	2,812	2,798	2,785	2,774	2,700	2,661	2,637	2,621	2,609	2,601	2,594	2,588	2,548	2,543
11	2,701	2,685	2,671	2,658	2,646	2,570	2,531	2,507	2,490	2,478	2,469	2,462	2,457	2,415	2,410
12	2,599	2,583	2,568	2,555	2,544	2,466	2,426	2,401	2,384	2,372	2,363	2,356	2,350	2,307	2,302
13	2,515	2,499	2,484	2,471	2,459	2,380	2,339	2,314	2,297	2,284	2,275	2,267	2,261	2,218	2,212
14	2,445	2,428	2,413	2,400	2,388	2,308	2,266	2,241	2,223	2,210	2,201	2,193	2,187	2,142	2,136
15	2,385	2,368	2,353	2,340	2,328	2,247	2,204	2,178	2,160	2,147	2,137	2,130	2,123	2,078	2,072
16	2,333	2,317	2,302	2,288	2,276	2,194	2,151	2,124	2,106	2,093	2,083	2,075	2,068	2,022	2,016
17	2,289	2,272	2,257	2,243	2,230	2,148	2,104	2,077	2,058	2,045	2,035	2,027	2,020	1,973	1,967
18	2,250	2,233	2,217	2,203	2,191	2,107	2,063	2,035	2,017	2,003	1,993	1,985	1,978	1,929	1,923
19	2,215	2,198	2,182	2,168	2,155	2,071	2,026	1,999	1,980	1,966	1,955	1,947	1,940	1,891	1,884
20	2,184	2,167	2,151	2,137	2,124	2,039	1,994	1,966	1,946	1,932	1,922	1,913	1,907	1,856	1,850
30	1,995	1,976	1,960	1,945	1,932	1,841	1,792	1,761	1,740	1,724	1,712	1,703	1,695	1,637	1,630
40	1,904	1,885	1,868	1,853	1,839	1,744	1,693	1,660	1,637	1,621	1,608	1,597	1,589	1,526	1,517
50	1,850	1,831	1,814	1,798	1,784	1,687	1,634	1,599	1,576	1,558	1,544	1,534	1,525	1,457	1,448
60	1,815	1,796	1,778	1,763	1,748	1,649	1,594	1,559	1,534	1,516	1,502	1,491	1,481	1,409	1,399
70	1,790	1,771	1,753	1,737	1,722	1,622	1,566	1,530	1,505	1,486	1,471	1,459	1,450	1,374	1,364
80	1,772	1,752	1,734	1,718	1,703	1,602	1,545	1,508	1,482	1,463	1,448	1,436	1,426	1,347	1,336
90	1,757	1,737	1,720	1,703	1,688	1,586	1,528	1,491	1,465	1,445	1,429	1,417	1,407	1,326	1,314
100	1,746	1,726	1,708	1,691	1,676	1,573	1,515	1,477	1,450	1,430	1,415	1,402	1,392	1,308	1,296
500	1,664	1,643	1,625	1,607	1,592	1,482	1,419	1,376	1,345	1,322	1,303	1,288	1,275	1,159	1,138
1000	1,654	1,633	1,614	1,597	1,581	1,471	1,406	1,363	1,332	1,308	1,289	1,273	1,260	1,134	1,110