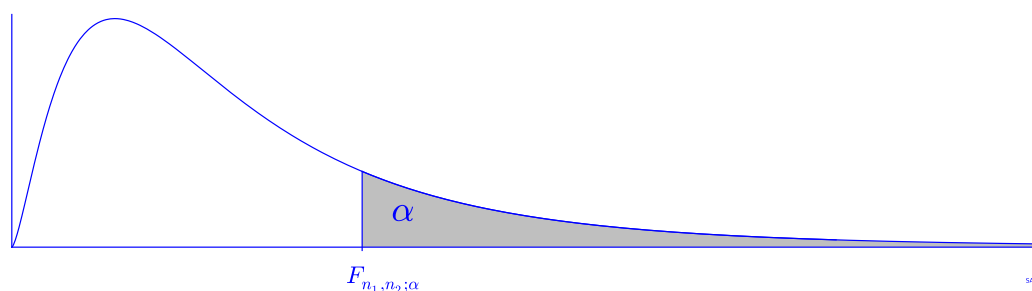


# DISTRIBUCIÓN $F$

## $\alpha = 0.01$



Ejemplo: para  $n_1 = 5$ ,  $n_2 = 10$  y  $\alpha = 0.01$ ,  $F_{5,10;0.01} = 5.636$ , significa que  $P(F_{5,10} > 5.636) = 0.01$ .

$n_2$	$n_1$															
	1	2	3	4	5	6	7	8	9	10	12	15	16	18	20	24
1	4052	5000	5403	5625	5764	5859	5928	5981	6022	6056	6106	6157	6170	6192	6209	6235
2	98.50	99.00	99.17	99.25	99.30	99.33	99.36	99.37	99.39	99.40	99.42	99.43	99.44	99.44	99.45	99.46
3	34.12	30.82	29.46	28.71	28.24	27.91	27.67	27.49	27.35	27.23	27.05	26.87	26.83	26.75	26.69	26.60
4	21.20	18.00	16.69	15.98	15.52	15.21	14.98	14.80	14.66	14.55	14.37	14.20	14.15	14.08	14.02	13.93
5	16.26	13.27	12.06	11.39	10.97	10.67	10.46	10.29	10.16	10.051	9.888	9.722	9.680	9.610	9.553	9.466
6	13.75	10.92	9.780	9.148	8.746	8.466	8.260	8.102	7.976	7.874	7.718	7.559	7.519	7.451	7.396	7.313
7	12.25	9.547	8.451	7.847	7.460	7.191	6.993	6.840	6.719	6.620	6.469	6.314	6.275	6.209	6.155	6.074
8	11.26	8.649	7.591	7.006	6.632	6.371	6.178	6.029	5.911	5.814	5.667	5.515	5.477	5.412	5.359	5.279
9	10.56	8.022	6.992	6.422	6.057	5.802	5.613	5.467	5.351	5.257	5.111	4.962	4.924	4.860	4.808	4.729
10	10.04	7.559	6.552	5.994	5.636	5.386	5.200	5.057	4.942	4.849	4.706	4.558	4.520	4.457	4.405	4.327
11	9.646	7.206	6.217	5.668	5.316	5.069	4.886	4.744	4.632	4.539	4.397	4.251	4.213	4.150	4.099	4.021
12	9.330	6.927	5.953	5.412	5.064	4.821	4.640	4.499	4.388	4.296	4.155	4.010	3.972	3.909	3.858	3.780
13	9.074	6.701	5.739	5.205	4.862	4.620	4.441	4.302	4.191	4.100	3.960	3.815	3.778	3.716	3.665	3.587
14	8.862	6.515	5.564	5.035	4.695	4.456	4.278	4.140	4.030	3.939	3.800	3.656	3.619	3.556	3.505	3.427
15	8.683	6.359	5.417	4.893	4.556	4.318	4.142	4.004	3.895	3.805	3.666	3.522	3.485	3.423	3.372	3.294
16	8.531	6.226	5.292	4.773	4.437	4.202	4.026	3.890	3.780	3.691	3.553	3.409	3.372	3.310	3.259	3.181
17	8.400	6.112	5.185	4.669	4.336	4.102	3.927	3.791	3.682	3.593	3.455	3.312	3.275	3.212	3.162	3.084
18	8.285	6.013	5.092	4.579	4.248	4.015	3.841	3.705	3.597	3.508	3.371	3.227	3.190	3.128	3.077	2.999
19	8.185	5.926	5.010	4.500	4.171	3.939	3.765	3.631	3.523	3.434	3.297	3.153	3.116	3.054	3.003	2.925
20	8.096	5.849	4.938	4.431	4.103	3.871	3.699	3.564	3.457	3.368	3.231	3.088	3.051	2.989	2.938	2.859
21	8.017	5.780	4.874	4.369	4.042	3.812	3.640	3.506	3.398	3.310	3.173	3.030	2.993	2.931	2.880	2.801
22	7.945	5.719	4.817	4.313	3.988	3.758	3.587	3.453	3.346	3.258	3.121	2.978	2.941	2.879	2.827	2.749
23	7.881	5.664	4.765	4.264	3.939	3.710	3.539	3.406	3.299	3.211	3.074	2.931	2.894	2.832	2.781	2.702
24	7.823	5.614	4.718	4.218	3.895	3.667	3.496	3.363	3.256	3.168	3.032	2.889	2.852	2.789	2.738	2.659
25	7.770	5.568	4.675	4.177	3.855	3.627	3.457	3.324	3.217	3.129	2.993	2.850	2.813	2.751	2.699	2.620
26	7.721	5.526	4.637	4.140	3.818	3.591	3.421	3.288	3.182	3.094	2.958	2.815	2.778	2.715	2.664	2.585
27	7.677	5.488	4.601	4.106	3.785	3.558	3.388	3.256	3.149	3.062	2.926	2.783	2.746	2.683	2.632	2.552
28	7.636	5.453	4.568	4.074	3.754	3.528	3.358	3.226	3.120	3.032	2.896	2.753	2.716	2.653	2.602	2.522
29	7.598	5.420	4.538	4.045	3.725	3.499	3.330	3.198	3.092	3.005	2.868	2.726	2.689	2.626	2.574	2.495
30	7.562	5.390	4.510	4.018	3.699	3.473	3.304	3.173	3.067	2.979	2.843	2.700	2.663	2.600	2.549	2.469
35	7.419	5.268	4.396	3.908	3.592	3.368	3.200	3.069	2.963	2.876	2.740	2.597	2.560	2.497	2.445	2.364
40	7.314	5.179	4.313	3.828	3.514	3.291	3.124	2.993	2.888	2.801	2.665	2.522	2.484	2.421	2.369	2.288
45	7.234	5.110	4.249	3.767	3.454	3.232	3.066	2.935	2.830	2.743	2.608	2.464	2.427	2.363	2.311	2.230
50	7.171	5.057	4.199	3.720	3.408	3.186	3.020	2.890	2.785	2.698	2.562	2.419	2.382	2.318	2.265	2.183
60	7.077	4.977	4.126	3.649	3.339	3.119	2.953	2.823	2.718	2.632	2.496	2.352	2.315	2.251	2.198	2.115
70	7.011	4.922	4.074	3.600	3.291	3.071	2.906	2.777	2.672	2.585	2.450	2.306	2.268	2.204	2.150	2.067
80	6.963	4.881	4.036	3.563	3.255	3.036	2.871	2.742	2.637	2.551	2.415	2.271	2.233	2.169	2.115	2.032
100	6.895	4.824	3.984	3.513	3.206	2.988	2.823	2.694	2.590	2.503	2.368	2.223	2.185	2.120	2.067	1.983
125	6.842	4.779	3.942	3.473	3.167	2.950	2.786	2.657	2.552	2.466	2.330	2.185	2.147	2.082	2.028	1.944
150	6.807	4.749	3.915	3.447	3.142	2.924	2.761	2.632	2.528	2.441	2.305	2.160	2.122	2.057	2.003	1.918
175	6.782	4.729	3.895	3.428	3.123	2.907	2.743	2.614	2.510	2.424	2.288	2.143	2.105	2.039	1.985	1.899
200	6.763	4.713	3.881	3.414	3.110	2.893	2.730	2.601	2.497	2.411	2.275	2.129	2.091	2.026	1.971	1.886
300	6.720	4.677	3.848	3.382	3.079	2.862	2.699	2.571	2.467	2.380	2.244	2.099	2.061	1.995	1.940	1.854
400	6.699	4.659	3.831	3.366	3.063	2.847	2.684	2.556	2.452	2.365	2.229	2.084	2.045	1.979	1.925	1.838
500	6.686	4.648	3.821	3.357	3.054	2.838	2.675	2.547	2.443	2.356	2.220	2.075	2.036	1.970	1.915	1.829
750	6.669	4.634	3.808	3.344	3.042	2.826	2.663	2.535	2.431	2.345	2.208	2.063	2.024	1.958	1.903	1.816
1000	6.660	4.626	3.801	3.338	3.036	2.820	2.657	2.529	2.425	2.339	2.203	2.056	2.018	1.952	1.897	1.810

# DISTRIBUCIÓN $F$

$$\alpha = 0.01$$

$n_2$	$n_1$															
	25	30	35	40	45	50	60	70	80	90	100	150	200	300	500	1000
1	6240	6261	6276	6287	6296	6303	6313	6321	6326	6331	6334	6345	6350	6355	6360	6363
2	99.46	99.47	99.47	99.47	99.48	99.48	99.48	99.48	99.49	99.49	99.49	99.49	99.49	99.50	99.50	99.50
3	26.58	26.50	26.45	26.41	26.38	26.35	26.32	26.29	26.27	26.25	26.24	26.20	26.18	26.16	26.15	26.14
4	13.91	13.84	13.79	13.75	13.71	13.69	13.65	13.63	13.61	13.59	13.58	13.54	13.52	13.50	13.49	13.47
5	9.449	9.379	9.329	9.291	9.262	9.238	9.202	9.176	9.157	9.142	9.130	9.094	9.075	9.057	9.042	9.031
6	7.296	7.229	7.180	7.143	7.115	7.091	7.057	7.032	7.013	6.998	6.987	6.951	6.934	6.916	6.902	6.891
7	6.058	5.992	5.944	5.908	5.880	5.858	5.824	5.799	5.781	5.766	5.755	5.720	5.702	5.685	5.671	5.660
8	5.263	5.198	5.151	5.116	5.088	5.065	5.032	5.007	4.989	4.975	4.963	4.929	4.911	4.894	4.880	4.869
9	4.713	4.649	4.602	4.567	4.539	4.517	4.483	4.459	4.441	4.426	4.415	4.380	4.363	4.346	4.332	4.321
10	4.311	4.247	4.200	4.165	4.138	4.115	4.082	4.058	4.039	4.025	4.014	3.979	3.962	3.944	3.930	3.920
11	4.005	3.941	3.895	3.860	3.832	3.810	3.776	3.752	3.734	3.719	3.708	3.673	3.656	3.638	3.624	3.613
12	3.765	3.701	3.654	3.619	3.592	3.569	3.535	3.511	3.493	3.478	3.467	3.432	3.414	3.397	3.382	3.372
13	3.571	3.507	3.461	3.425	3.398	3.375	3.341	3.317	3.298	3.284	3.272	3.237	3.219	3.202	3.187	3.176
14	3.412	3.348	3.301	3.266	3.238	3.215	3.181	3.157	3.138	3.124	3.112	3.076	3.059	3.040	3.026	3.015
15	3.278	3.214	3.167	3.132	3.104	3.081	3.047	3.022	3.004	2.989	2.977	2.942	2.923	2.905	2.891	2.880
16	3.165	3.101	3.054	3.018	2.990	2.967	2.933	2.908	2.889	2.875	2.863	2.827	2.808	2.790	2.775	2.764
17	3.068	3.003	2.956	2.920	2.892	2.869	2.835	2.810	2.791	2.776	2.764	2.728	2.709	2.691	2.676	2.664
18	2.983	2.919	2.871	2.835	2.807	2.784	2.749	2.724	2.705	2.690	2.678	2.641	2.623	2.604	2.589	2.577
19	2.909	2.844	2.797	2.761	2.732	2.709	2.674	2.649	2.630	2.614	2.602	2.565	2.547	2.528	2.512	2.501
20	2.843	2.778	2.731	2.695	2.666	2.643	2.608	2.582	2.563	2.548	2.535	2.498	2.479	2.460	2.445	2.433
21	2.785	2.720	2.672	2.636	2.607	2.584	2.548	2.523	2.503	2.488	2.475	2.438	2.419	2.400	2.384	2.372
22	2.733	2.667	2.620	2.583	2.554	2.531	2.495	2.469	2.450	2.434	2.422	2.384	2.365	2.345	2.329	2.317
23	2.686	2.620	2.572	2.535	2.506	2.483	2.447	2.421	2.401	2.386	2.373	2.335	2.316	2.296	2.280	2.268
24	2.643	2.577	2.529	2.492	2.463	2.440	2.403	2.377	2.357	2.342	2.329	2.291	2.271	2.251	2.235	2.223
25	2.604	2.538	2.490	2.453	2.424	2.400	2.364	2.337	2.317	2.302	2.289	2.250	2.230	2.210	2.194	2.182
26	2.569	2.503	2.454	2.417	2.388	2.364	2.327	2.301	2.281	2.265	2.252	2.213	2.193	2.173	2.156	2.144
27	2.536	2.470	2.421	2.384	2.354	2.330	2.294	2.267	2.247	2.231	2.218	2.179	2.159	2.138	2.122	2.109
28	2.506	2.440	2.391	2.354	2.324	2.300	2.263	2.236	2.216	2.200	2.187	2.147	2.127	2.106	2.090	2.077
29	2.478	2.412	2.363	2.325	2.296	2.271	2.234	2.207	2.187	2.171	2.158	2.118	2.097	2.077	2.060	2.047
30	2.453	2.386	2.337	2.299	2.269	2.245	2.208	2.181	2.160	2.144	2.131	2.091	2.070	2.049	2.032	2.019
35	2.348	2.281	2.231	2.193	2.162	2.137	2.099	2.072	2.050	2.034	2.020	1.979	1.957	1.936	1.918	1.905
40	2.271	2.203	2.153	2.114	2.083	2.058	2.019	1.991	1.969	1.952	1.938	1.896	1.874	1.851	1.833	1.819
45	2.213	2.144	2.093	2.054	2.023	1.997	1.958	1.929	1.907	1.889	1.875	1.831	1.809	1.786	1.767	1.752
50	2.167	2.098	2.046	2.007	1.975	1.949	1.909	1.880	1.857	1.839	1.825	1.780	1.757	1.733	1.713	1.698
60	2.098	2.028	1.976	1.936	1.904	1.877	1.836	1.806	1.783	1.764	1.749	1.703	1.678	1.653	1.633	1.617
70	2.050	1.980	1.927	1.886	1.853	1.826	1.785	1.754	1.730	1.711	1.695	1.647	1.622	1.596	1.574	1.558
80	2.015	1.944	1.890	1.849	1.816	1.788	1.746	1.714	1.690	1.671	1.655	1.605	1.579	1.552	1.530	1.512
100	1.965	1.893	1.839	1.797	1.763	1.735	1.692	1.659	1.634	1.614	1.598	1.546	1.518	1.490	1.466	1.447
125	1.926	1.853	1.799	1.756	1.721	1.693	1.648	1.615	1.589	1.569	1.551	1.498	1.469	1.438	1.412	1.392
150	1.900	1.827	1.772	1.729	1.694	1.665	1.620	1.586	1.559	1.538	1.520	1.465	1.435	1.403	1.376	1.354
175	1.882	1.808	1.753	1.709	1.674	1.645	1.599	1.564	1.538	1.516	1.498	1.441	1.410	1.377	1.349	1.326
200	1.868	1.794	1.738	1.694	1.659	1.629	1.583	1.548	1.521	1.499	1.481	1.423	1.391	1.357	1.328	1.304
300	1.836	1.761	1.705	1.660	1.624	1.594	1.547	1.511	1.483	1.460	1.441	1.380	1.346	1.309	1.276	1.249
400	1.820	1.745	1.688	1.643	1.607	1.576	1.528	1.492	1.463	1.440	1.421	1.358	1.322	1.284	1.249	1.220
500	1.810	1.735	1.678	1.633	1.596	1.566	1.517	1.481	1.452	1.428	1.408	1.344	1.308	1.268	1.232	1.201
750	1.798	1.722	1.665	1.620	1.582	1.552	1.503	1.465	1.436	1.412	1.392	1.326	1.288	1.246	1.207	1.173
1000	1.791	1.716	1.658	1.613	1.576	1.544	1.495	1.458	1.428	1.404	1.383	1.317	1.278	1.235	1.195	1.159