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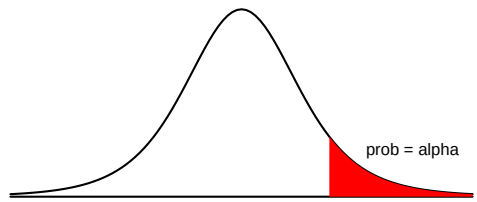
Upper Percentiles of t-Distribution

The upper percentile $t_{d,\alpha}$ means

$$P(T_d \geq t_{d,\alpha}) = \alpha$$

where T_d follows a t-distribution with d degrees of freedom.



	α									
df	0.05/1	0.05/2	0.05/4	0.05/5	0.05/6	0.05/8	0.05/10	0.05/12	0.05/14	0.05/16
3	2.353	3.182	4.177	4.541	4.857	5.392	5.841	6.232	6.580	6.895
4	2.132	2.776	3.495	3.747	3.961	4.315	4.604	4.851	5.068	5.261
5	2.015	2.571	3.163	3.365	3.534	3.810	4.032	4.219	4.382	4.526
6	1.943	2.447	2.969	3.143	3.287	3.521	3.707	3.863	3.997	4.115
7	1.895	2.365	2.841	2.998	3.128	3.335	3.499	3.636	3.753	3.855
8	1.860	2.306	2.752	2.896	3.016	3.206	3.355	3.479	3.584	3.677
9	1.833	2.262	2.685	2.821	2.933	3.111	3.250	3.364	3.462	3.547
10	1.812	2.228	2.634	2.764	2.870	3.038	3.169	3.277	3.368	3.448
11	1.796	2.201	2.593	2.718	2.820	2.981	3.106	3.208	3.295	3.370
12	1.782	2.179	2.560	2.681	2.779	2.934	3.055	3.153	3.236	3.308
13	1.771	2.160	2.533	2.650	2.746	2.896	3.012	3.107	3.187	3.256
14	1.761	2.145	2.510	2.624	2.718	2.864	2.977	3.069	3.146	3.214
15	1.753	2.131	2.490	2.602	2.694	2.837	2.947	3.036	3.112	3.177
16	1.746	2.120	2.473	2.583	2.673	2.813	2.921	3.008	3.082	3.146
17	1.740	2.110	2.458	2.567	2.655	2.793	2.898	2.984	3.056	3.119
18	1.734	2.101	2.445	2.552	2.639	2.775	2.878	2.963	3.034	3.095
19	1.729	2.093	2.433	2.539	2.625	2.759	2.861	2.944	3.014	3.074
20	1.725	2.086	2.423	2.528	2.613	2.744	2.845	2.927	2.996	3.055
21	1.721	2.080	2.414	2.518	2.601	2.732	2.831	2.912	2.980	3.038
22	1.717	2.074	2.405	2.508	2.591	2.720	2.819	2.899	2.965	3.023
23	1.714	2.069	2.398	2.500	2.582	2.710	2.807	2.886	2.952	3.009
24	1.711	2.064	2.391	2.492	2.574	2.700	2.797	2.875	2.941	2.997
25	1.708	2.060	2.385	2.485	2.566	2.692	2.787	2.865	2.930	2.986
26	1.706	2.056	2.379	2.479	2.559	2.684	2.779	2.856	2.920	2.975
27	1.703	2.052	2.373	2.473	2.552	2.676	2.771	2.847	2.911	2.966
28	1.701	2.048	2.368	2.467	2.546	2.669	2.763	2.839	2.902	2.957
29	1.699	2.045	2.364	2.462	2.541	2.663	2.756	2.832	2.894	2.949
30	1.697	2.042	2.360	2.457	2.536	2.657	2.750	2.825	2.887	2.941
31	1.696	2.040	2.356	2.453	2.531	2.652	2.744	2.818	2.880	2.934
32	1.694	2.037	2.352	2.449	2.526	2.647	2.738	2.812	2.874	2.927
33	1.692	2.035	2.348	2.445	2.522	2.642	2.733	2.807	2.868	2.921
34	1.691	2.032	2.345	2.441	2.518	2.638	2.728	2.802	2.863	2.915

df	α									
	0.05/1	0.05/2	0.05/4	0.05/5	0.05/6	0.05/8	0.05/10	0.05/12	0.05/14	0.05/16
35	1.690	2.030	2.342	2.438	2.515	2.633	2.724	2.797	2.857	2.910
36	1.688	2.028	2.339	2.434	2.511	2.629	2.719	2.792	2.853	2.905
37	1.687	2.026	2.336	2.431	2.508	2.626	2.715	2.788	2.848	2.900
38	1.686	2.024	2.334	2.429	2.505	2.622	2.712	2.783	2.844	2.895
39	1.685	2.023	2.331	2.426	2.502	2.619	2.708	2.780	2.839	2.891
40	1.684	2.021	2.329	2.423	2.499	2.616	2.704	2.776	2.836	2.887
41	1.683	2.020	2.327	2.421	2.496	2.613	2.701	2.772	2.832	2.883
42	1.682	2.018	2.325	2.418	2.494	2.610	2.698	2.769	2.828	2.879
43	1.681	2.017	2.323	2.416	2.491	2.607	2.695	2.766	2.825	2.876
44	1.680	2.015	2.321	2.414	2.489	2.605	2.692	2.763	2.822	2.872
45	1.679	2.014	2.319	2.412	2.487	2.602	2.690	2.760	2.819	2.869
46	1.679	2.013	2.317	2.410	2.485	2.600	2.687	2.757	2.816	2.866
47	1.678	2.012	2.315	2.408	2.483	2.597	2.685	2.755	2.813	2.863
48	1.677	2.011	2.314	2.407	2.481	2.595	2.682	2.752	2.810	2.860
49	1.677	2.010	2.312	2.405	2.479	2.593	2.680	2.750	2.808	2.858
50	1.676	2.009	2.311	2.403	2.477	2.591	2.678	2.747	2.805	2.855
51	1.675	2.008	2.310	2.402	2.476	2.589	2.676	2.745	2.803	2.853
52	1.675	2.007	2.308	2.400	2.474	2.588	2.674	2.743	2.801	2.850
53	1.674	2.006	2.307	2.399	2.472	2.586	2.672	2.741	2.799	2.848
54	1.674	2.005	2.306	2.397	2.471	2.584	2.670	2.739	2.796	2.846
55	1.673	2.004	2.304	2.396	2.469	2.583	2.668	2.737	2.794	2.844
56	1.673	2.003	2.303	2.395	2.468	2.581	2.667	2.735	2.793	2.842
57	1.672	2.002	2.302	2.394	2.467	2.579	2.665	2.733	2.791	2.840
58	1.672	2.002	2.301	2.392	2.465	2.578	2.663	2.732	2.789	2.838
59	1.671	2.001	2.300	2.391	2.464	2.577	2.662	2.730	2.787	2.836
60	1.671	2.000	2.299	2.390	2.463	2.575	2.660	2.729	2.785	2.834
61	1.670	2.000	2.298	2.389	2.462	2.574	2.659	2.727	2.784	2.833
62	1.670	1.999	2.297	2.388	2.461	2.573	2.657	2.726	2.782	2.831
63	1.669	1.998	2.296	2.387	2.460	2.571	2.656	2.724	2.781	2.829
64	1.669	1.998	2.295	2.386	2.459	2.570	2.655	2.723	2.779	2.828
65	1.669	1.997	2.295	2.385	2.458	2.569	2.654	2.721	2.778	2.826
66	1.668	1.997	2.294	2.384	2.457	2.568	2.652	2.720	2.777	2.825
67	1.668	1.996	2.293	2.383	2.456	2.567	2.651	2.719	2.775	2.823
68	1.668	1.995	2.292	2.382	2.455	2.566	2.650	2.718	2.774	2.822
69	1.667	1.995	2.291	2.382	2.454	2.565	2.649	2.716	2.773	2.821
70	1.667	1.994	2.291	2.381	2.453	2.564	2.648	2.715	2.771	2.820
80	1.664	1.990	2.284	2.374	2.445	2.555	2.639	2.705	2.761	2.809
90	1.662	1.987	2.280	2.368	2.440	2.549	2.632	2.698	2.753	2.800
100	1.660	1.984	2.276	2.364	2.435	2.544	2.626	2.692	2.747	2.793
150	1.655	1.976	2.264	2.351	2.421	2.528	2.609	2.674	2.728	2.774
200	1.653	1.972	2.258	2.345	2.414	2.520	2.601	2.665	2.718	2.764
300	1.650	1.968	2.253	2.339	2.407	2.513	2.592	2.656	2.709	2.754
∞	1.645	1.960	2.241	2.326	2.394	2.498	2.576	2.638	2.690	2.734