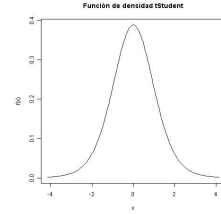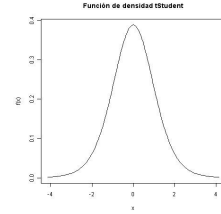# Distribución t-Student

$$P[X \leq x] = \int_{-\infty}^{x} \frac{\Gamma(\frac{\theta+1}{2})}{\Gamma(\frac{\theta}{2})} \cdot \frac{1}{\sqrt{\theta\pi}} \cdot \frac{1}{(1+\frac{u^2}{\theta})^{\frac{\theta+1}{2}}} du$$

Función de densidad tStudent

	0.005	0.01	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.25	0.3	0.35	0.4	0.45
1	-63.657	-31.821	-12.706	-6.314	-4.165	-3.078	-2.414	-1.963	-1.632	-1.376	-1.000	-0.727	-0.510	-0.325	-0.158
2	-9.925	-6.965	-4.303	-2.920	-2.282	-1.886	-1.604	-1.386	-1.210	-1.061	-0.816	-0.617	-0.445	-0.289	-0.142
3	-5.841	-4.541	-3.182	-2.353	-1.924	-1.638	-1.423	-1.250	-1.105	-0.978	-0.765	-0.584	-0.424	-0.277	-0.137
4	-4.604	-3.747	-2.776	-2.132	-1.778	-1.533	-1.344	-1.190	-1.057	-0.941	-0.741	-0.569	-0.414	-0.271	-0.134
5	-4.032	-3.365	-2.571	-2.015	-1.699	-1.476	-1.301	-1.156	-1.031	-0.920	-0.727	-0.559	-0.408	-0.267	-0.132
6	-3.707	-3.143	-2.447	-1.943	-1.650	-1.440	-1.273	-1.134	-1.013	-0.906	-0.718	-0.553	-0.404	-0.265	-0.131
7	-3.499	-2.998	-2.365	-1.895	-1.617	-1.415	-1.254	-1.119	-1.001	-0.896	-0.711	-0.549	-0.402	-0.263	-0.130
8	-3.355	-2.896	-2.306	-1.860	-1.592	-1.397	-1.240	-1.108	-0.993	-0.889	-0.706	-0.546	-0.399	-0.262	-0.130
9	-3.250	-2.821	-2.262	-1.833	-1.574	-1.383	-1.230	-1.100	-0.986	-0.883	-0.703	-0.543	-0.398	-0.261	-0.129
10	-3.169	-2.764	-2.228	-1.812	-1.559	-1.372	-1.221	-1.093	-0.980	-0.879	-0.700	-0.542	-0.397	-0.260	-0.129
11	-3.106	-2.718	-2.201	-1.796	-1.548	-1.363	-1.214	-1.088	-0.976	-0.876	-0.697	-0.540	-0.396	-0.260	-0.129
12	-3.055	-2.681	-2.179	-1.782	-1.538	-1.356	-1.209	-1.083	-0.972	-0.873	-0.695	-0.539	-0.395	-0.259	-0.128
13	-3.012	-2.650	-2.160	-1.771	-1.530	-1.350	-1.204	-1.079	-0.969	-0.870	-0.694	-0.538	-0.394	-0.259	-0.128
14	-2.977	-2.624	-2.145	-1.761	-1.523	-1.345	-1.200	-1.076	-0.967	-0.868	-0.692	-0.537	-0.393	-0.258	-0.128
15	-2.947	-2.602	-2.131	-1.753	-1.517	-1.341	-1.197	-1.074	-0.965	-0.866	-0.691	-0.536	-0.393	-0.258	-0.128
16	-2.921	-2.583	-2.120	-1.746	-1.512	-1.337	-1.194	-1.071	-0.963	-0.865	-0.690	-0.535	-0.392	-0.258	-0.128
17	-2.898	-2.567	-2.110	-1.740	-1.508	-1.333	-1.191	-1.069	-0.961	-0.863	-0.689	-0.534	-0.392	-0.257	-0.128
18	-2.878	-2.552	-2.101	-1.734	-1.504	-1.330	-1.189	-1.067	-0.960	-0.862	-0.688	-0.534	-0.392	-0.257	-0.127
19	-2.861	-2.539	-2.093	-1.729	-1.500	-1.328	-1.187	-1.066	-0.958	-0.861	-0.688	-0.533	-0.391	-0.257	-0.127
20	-2.845	-2.528	-2.086	-1.725	-1.497	-1.325	-1.185	-1.064	-0.957	-0.860	-0.687	-0.533	-0.391	-0.257	-0.127
21	-2.831	-2.518	-2.080	-1.721	-1.494	-1.323	-1.183	-1.063	-0.956	-0.859	-0.686	-0.532	-0.391	-0.257	-0.127
22	-2.819	-2.508	-2.074	-1.717	-1.492	-1.321	-1.182	-1.061	-0.955	-0.858	-0.686	-0.532	-0.390	-0.256	-0.127
23	-2.807	-2.500	-2.069	-1.714	-1.489	-1.319	-1.180	-1.060	-0.954	-0.858	-0.685	-0.532	-0.390	-0.256	-0.127
24	-2.797	-2.492	-2.064	-1.711	-1.487	-1.318	-1.179	-1.059	-0.953	-0.857	-0.685	-0.531	-0.390	-0.256	-0.127
25	-2.787	-2.485	-2.060	-1.708	-1.485	-1.316	-1.178	-1.058	-0.952	-0.856	-0.684	-0.531	-0.390	-0.256	-0.127
26	-2.779	-2.479	-2.056	-1.706	-1.483	-1.315	-1.177	-1.058	-0.952	-0.856	-0.684	-0.531	-0.390	-0.256	-0.127
27	-2.771	-2.473	-2.052	-1.703	-1.482	-1.314	-1.176	-1.057	-0.951	-0.855	-0.684	-0.531	-0.389	-0.256	-0.127
28	-2.763	-2.467	-2.048	-1.701	-1.480	-1.313	-1.175	-1.056	-0.950	-0.855	-0.683	-0.530	-0.389	-0.256	-0.127
29	-2.756	-2.462	-2.045	-1.699	-1.479	-1.311	-1.174	-1.055	-0.950	-0.854	-0.683	-0.530	-0.389	-0.256	-0.127
30	-2.750	-2.457	-2.042	-1.697	-1.477	-1.310	-1.173	-1.055	-0.949	-0.854	-0.683	-0.530	-0.389	-0.256	-0.127
31	-2.744	-2.453	-2.040	-1.696	-1.476	-1.309	-1.172	-1.054	-0.949	-0.853	-0.682	-0.530	-0.389	-0.256	-0.127
32	-2.738	-2.449	-2.037	-1.694	-1.475	-1.309	-1.172	-1.054	-0.948	-0.853	-0.682	-0.530	-0.389	-0.255	-0.127
33	-2.733	-2.445	-2.035	-1.692	-1.474	-1.308	-1.171	-1.053	-0.948	-0.853	-0.682	-0.530	-0.389	-0.255	-0.127
34	-2.728	-2.441	-2.032	-1.691	-1.473	-1.307	-1.170	-1.052	-0.948	-0.852	-0.682	-0.529	-0.389	-0.255	-0.127
35	-2.724	-2.438	-2.030	-1.690	-1.472	-1.306	-1.170	-1.052	-0.947	-0.852	-0.682	-0.529	-0.388	-0.255	-0.127
36	-2.719	-2.434	-2.028	-1.688	-1.471	-1.306	-1.169	-1.052	-0.947	-0.852	-0.681	-0.529	-0.388	-0.255	-0.127
37	-2.715	-2.431	-2.026	-1.687	-1.470	-1.305	-1.169	-1.051	-0.947	-0.851	-0.681	-0.529	-0.388	-0.255	-0.127
38	-2.712	-2.429	-2.024	-1.686	-1.469	-1.304	-1.168	-1.051	-0.946	-0.851	-0.681	-0.529	-0.388	-0.255	-0.127
39	-2.708	-2.426	-2.023	-1.685	-1.468	-1.304	-1.168	-1.050	-0.946	-0.851	-0.681	-0.529	-0.388	-0.255	-0.126
40	-2.704	-2.423	-2.021	-1.684	-1.468	-1.303	-1.167	-1.050	-0.946	-0.851	-0.681	-0.529	-0.388	-0.255	-0.126
41	-2.701	-2.421	-2.020	-1.683	-1.467	-1.303	-1.167	-1.050	-0.945	-0.850	-0.681	-0.529	-0.388	-0.255	-0.126
42	-2.698	-2.418	-2.018	-1.682	-1.466	-1.302	-1.166	-1.049	-0.945	-0.850	-0.680	-0.528	-0.388	-0.255	-0.126
43	-2.695	-2.416	-2.017	-1.681	-1.466	-1.302	-1.166	-1.049	-0.945	-0.850	-0.680	-0.528	-0.388	-0.255	-0.126
44	-2.692	-2.414	-2.015	-1.680	-1.465	-1.301	-1.166	-1.049	-0.945	-0.850	-0.680	-0.528	-0.388	-0.255	-0.126
45	-2.690	-2.412	-2.014	-1.679	-1.465	-1.301	-1.165	-1.049	-0.944	-0.850	-0.680	-0.528	-0.388	-0.255	-0.126
46	-2.687	-2.410	-2.013	-1.679	-1.464	-1.300	-1.165	-1.048	-0.944	-0.850	-0.680	-0.528	-0.388	-0.255	-0.126
47	-2.685	-2.408	-2.012	-1.678	-1.463	-1.300	-1.165	-1.048	-0.944	-0.849	-0.680	-0.528	-0.388	-0.255	-0.126
48	-2.682	-2.407	-2.011	-1.677	-1.463	-1.299	-1.164	-1.048	-0.944	-0.849	-0.680	-0.528	-0.388	-0.255	-0.126
49	-2.680	-2.405	-2.010	-1.677	-1.462	-1.299	-1.164	-1.048	-0.944	-0.849	-0.680	-0.528	-0.388	-0.255	-0.126
50	-2.678	-2.403	-2.009	-1.676	-1.462	-1.299	-1.164	-1.047	-0.943	-0.849	-0.679	-0.528	-0.388	-0.255	-0.126
60	-2.660	-2.390	-2.000	-1.671	-1.458	-1.296	-1.162	-1.045	-0.942	-0.848	-0.679	-0.527	-0.387	-0.254	-0.126
70	-2.648	-2.381	-1.994	-1.667	-1.456	-1.294	-1.160	-1.044	-0.941	-0.847	-0.678	-0.527	-0.387	-0.254	-0.126
80	-2.639	-2.374	-1.990	-1.664	-1.453	-1.292	-1.159	-1.043	-0.940	-0.846	-0.678	-0.526	-0.387	-0.254	-0.126
90	-2.632	-2.368	-1.987	-1.662	-1.452	-1.291	-1.158	-1.042	-0.939	-0.846	-0.677	-0.526	-0.387	-0.254	-0.126
100	-2.626	-2.364	-1.984	-1.660	-1.451	-1.290	-1.157	-1.042	-0.939	-0.845	-0.677	-0.526	-0.386	-0.254	-0.126
110	-2.621	-2.361	-1.982	-1.659	-1.450	-1.289	-1.156	-1.041	-0.939	-0.845	-0.677	-0.526	-0.386	-0.254	-0.126
120	-2.617	-2.358	-1.980	-1.658	-1.449	-1.289	-1.156	-1.041	-0.938	-0.845	-0.677	-0.526	-0.386	-0.254	-0.126
130	-2.614	-2.355	-1.978	-1.657	-1.448	-1.288	-1.156	-1.041	-0.938	-0.844	-0.676	-0.526	-0.386	-0.254	-0.126
140	-2.611	-2.353	-1.977	-1.656	-1.447	-1.288	-1.155	-1.040	-0.938	-0.844	-0.676	-0.526	-0.386	-0.254	-0.126
150	-2.609	-2.351	-1.976	-1.655	-1.447	-1.287	-1.155	-1.040	-0.938	-0.844	-0.676	-0.526	-0.386	-0.254	-0.126
160	-2.607	-2.350	-1.975	-1.654	-1.446	-1.287	-1.155	-1.040	-0.937	-0.844	-0.676	-0.525	-0.386	-0.254	-0.126
170	-2.605	-2.348	-1.974	-1.654	-1.446	-1.287	-1.154	-1.040	-0.937	-0.844	-0.676	-0.525	-0.386	-0.254	-0.126
180	-2.603	-2.347	-1.973	-1.653	-1.446	-1.286	-1.154	-1.039	-0.937	-0.844	-0.676	-0.525	-0.386	-0.254	-0.126
190	-2.602	-2.346	-1.973	-1.653	-1.445	-1.286	-1.154	-1.039	-0.937	-0.844	-0.676	-0.525	-0.386	-0.254	-0.126
200	-2.601	-2.345	-1.972	-1.653	-1.445	-1.286	-1.154	-1.039	-0.937	-0.843	-0.676	-0.525	-0.386	-0.254	-0.126

Distribución t-Student

$$P[X \leq x] = \int_{-\infty}^{x} \frac{\Gamma(\frac{\theta+1}{2})}{\Gamma(\frac{\theta}{2})} \cdot \frac{1}{\sqrt{\theta\pi}} \cdot \frac{1}{(1+\frac{u^2}{\theta})^{\frac{\theta+1}{2}}} du$$

Función de densidad t-Student

	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.875	0.9	0.925	0.95	0.975	0.99	0.995	0.999
1	0.158	0.325	0.510	0.727	1.000	1.376	1.963	2.414	3.078	4.165	6.314	12.706	31.821	63.657	318.309
2	0.142	0.289	0.445	0.617	0.816	1.061	1.386	1.604	1.886	2.282	2.920	4.303	6.965	9.925	22.327
3	0.137	0.277	0.424	0.584	0.765	0.978	1.250	1.423	1.638	1.924	2.353	3.182	4.541	5.841	10.215
4	0.134	0.271	0.414	0.569	0.741	0.941	1.190	1.344	1.533	1.778	2.132	2.776	3.747	4.604	7.173
5	0.132	0.267	0.408	0.559	0.727	0.920	1.156	1.301	1.476	1.699	2.015	2.571	3.365	4.032	5.893
6	0.131	0.265	0.404	0.553	0.718	0.906	1.134	1.273	1.440	1.650	1.943	2.447	3.143	3.707	5.208
7	0.130	0.263	0.402	0.549	0.711	0.896	1.119	1.254	1.415	1.617	1.895	2.365	2.998	3.499	4.785
8	0.130	0.262	0.399	0.546	0.706	0.889	1.108	1.240	1.397	1.592	1.860	2.306	2.896	3.355	4.501
9	0.129	0.261	0.398	0.543	0.703	0.883	1.100	1.230	1.383	1.574	1.833	2.262	2.821	3.250	4.297
10	0.129	0.260	0.397	0.542	0.700	0.879	1.093	1.221	1.372	1.559	1.812	2.228	2.764	3.169	4.144
11	0.129	0.260	0.396	0.540	0.697	0.876	1.088	1.214	1.363	1.548	1.796	2.201	2.718	3.106	4.025
12	0.128	0.259	0.395	0.539	0.695	0.873	1.083	1.209	1.356	1.538	1.782	2.179	2.681	3.055	3.930
13	0.128	0.259	0.394	0.538	0.694	0.870	1.079	1.204	1.350	1.530	1.771	2.160	2.650	3.012	3.852
14	0.128	0.258	0.393	0.537	0.692	0.868	1.076	1.200	1.345	1.523	1.761	2.145	2.624	2.977	3.787
15	0.128	0.258	0.393	0.536	0.691	0.866	1.074	1.197	1.341	1.517	1.753	2.131	2.602	2.947	3.733
16	0.128	0.258	0.392	0.535	0.690	0.865	1.071	1.194	1.337	1.512	1.746	2.120	2.583	2.921	3.686
17	0.128	0.257	0.392	0.534	0.689	0.863	1.069	1.191	1.333	1.508	1.740	2.110	2.567	2.898	3.646
18	0.127	0.257	0.392	0.534	0.688	0.862	1.067	1.189	1.330	1.504	1.734	2.101	2.552	2.878	3.610
19	0.127	0.257	0.391	0.533	0.688	0.861	1.066	1.187	1.328	1.500	1.729	2.093	2.539	2.861	3.579
20	0.127	0.257	0.391	0.533	0.687	0.860	1.064	1.185	1.325	1.497	1.725	2.086	2.528	2.845	3.552
21	0.127	0.257	0.391	0.532	0.686	0.859	1.063	1.183	1.323	1.494	1.721	2.080	2.518	2.831	3.527
22	0.127	0.256	0.390	0.532	0.686	0.858	1.061	1.182	1.321	1.492	1.717	2.074	2.508	2.819	3.505
23	0.127	0.256	0.390	0.532	0.685	0.858	1.060	1.180	1.319	1.489	1.714	2.069	2.500	2.807	3.485
24	0.127	0.256	0.390	0.531	0.685	0.857	1.059	1.179	1.318	1.487	1.711	2.064	2.492	2.797	3.467
25	0.127	0.256	0.390	0.531	0.684	0.856	1.058	1.178	1.316	1.485	1.708	2.060	2.485	2.787	3.450
26	0.127	0.256	0.390	0.531	0.684	0.856	1.058	1.177	1.315	1.483	1.706	2.056	2.479	2.779	3.435
27	0.127	0.256	0.389	0.531	0.684	0.855	1.057	1.176	1.314	1.482	1.703	2.052	2.473	2.771	3.421
28	0.127	0.256	0.389	0.530	0.683	0.855	1.056	1.175	1.313	1.480	1.701	2.048	2.467	2.763	3.408
29	0.127	0.256	0.389	0.530	0.683	0.854	1.055	1.174	1.311	1.479	1.699	2.045	2.462	2.756	3.396
30	0.127	0.256	0.389	0.530	0.683	0.854	1.055	1.173	1.310	1.477	1.697	2.042	2.457	2.750	3.385
31	0.127	0.256	0.389	0.530	0.682	0.853	1.054	1.172	1.309	1.476	1.696	2.040	2.453	2.744	3.375
32	0.127	0.255	0.389	0.530	0.682	0.853	1.054	1.172	1.309	1.475	1.694	2.037	2.449	2.738	3.365
33	0.127	0.255	0.389	0.530	0.682	0.853	1.053	1.171	1.308	1.474	1.692	2.035	2.445	2.733	3.356
34	0.127	0.255	0.389	0.529	0.682	0.852	1.052	1.170	1.307	1.473	1.691	2.032	2.441	2.728	3.348
35	0.127	0.255	0.388	0.529	0.682	0.852	1.052	1.170	1.306	1.472	1.690	2.030	2.438	2.724	3.340
36	0.127	0.255	0.388	0.529	0.681	0.852	1.052	1.169	1.306	1.471	1.688	2.028	2.434	2.719	3.333
37	0.127	0.255	0.388	0.529	0.681	0.851	1.051	1.169	1.305	1.470	1.687	2.026	2.431	2.715	3.326
38	0.127	0.255	0.388	0.529	0.681	0.851	1.051	1.168	1.304	1.469	1.686	2.024	2.429	2.712	3.319
39	0.126	0.255	0.388	0.529	0.681	0.851	1.050	1.168	1.304	1.468	1.685	2.023	2.426	2.708	3.313
40	0.126	0.255	0.388	0.529	0.681	0.851	1.050	1.167	1.303	1.468	1.684	2.021	2.423	2.704	3.307
41	0.126	0.255	0.388	0.529	0.681	0.850	1.050	1.167	1.303	1.467	1.683	2.020	2.421	2.701	3.301
42	0.126	0.255	0.388	0.528	0.680	0.850	1.049	1.166	1.302	1.466	1.682	2.018	2.418	2.698	3.296
43	0.126	0.255	0.388	0.528	0.680	0.850	1.049	1.166	1.302	1.466	1.681	2.017	2.416	2.695	3.291
44	0.126	0.255	0.388	0.528	0.680	0.850	1.049	1.166	1.301	1.465	1.680	2.015	2.414	2.692	3.286
45	0.126	0.255	0.388	0.528	0.680	0.850	1.049	1.165	1.301	1.465	1.679	2.014	2.412	2.690	3.281
46	0.126	0.255	0.388	0.528	0.680	0.850	1.048	1.165	1.300	1.464	1.679	2.013	2.410	2.687	3.277
47	0.126	0.255	0.388	0.528	0.680	0.849	1.048	1.165	1.300	1.463	1.678	2.012	2.408	2.685	3.273
48	0.126	0.255	0.388	0.528	0.680	0.849	1.048	1.164	1.299	1.463	1.677	2.011	2.407	2.682	3.269
49	0.126	0.255	0.388	0.528	0.680	0.849	1.048	1.164	1.299	1.462	1.677	2.010	2.405	2.680	3.265
50	0.126	0.255	0.388	0.528	0.679	0.849	1.047	1.164	1.299	1.462	1.676	2.009	2.403	2.678	3.261
60	0.126	0.254	0.387	0.527	0.679	0.848	1.045	1.162	1.296	1.458	1.671	2.000	2.390	2.660	3.232
70	0.126	0.254	0.387	0.527	0.678	0.847	1.044	1.160	1.294	1.456	1.667	1.994	2.381	2.648	3.211
80	0.126	0.254	0.387	0.526	0.678	0.846	1.043	1.159	1.292	1.453	1.664	1.990	2.374	2.639	3.195
90	0.126	0.254	0.387	0.526	0.677	0.846	1.042	1.158	1.291	1.452	1.662	1.987	2.368	2.632	3.183
100	0.126	0.254	0.386	0.526	0.677	0.845	1.042	1.157	1.290	1.451	1.660	1.984	2.364	2.626	3.174
110	0.126	0.254	0.386	0.526	0.677	0.845	1.041	1.156	1.289	1.450	1.659	1.982	2.361	2.621	3.166
120	0.126	0.254	0.386	0.526	0.677	0.845	1.041	1.156	1.289	1.449	1.658	1.980	2.358	2.617	3.160
130	0.126	0.254	0.386	0.526	0.676	0.844	1.041	1.156	1.288	1.448	1.657	1.978	2.355	2.614	3.154
140	0.126	0.254	0.386	0.526	0.676	0.844	1.040	1.155	1.288	1.447	1.656	1.977	2.353	2.611	3.149
150	0.126	0.254	0.386	0.526	0.676	0.844	1.040	1.155	1.287	1.447	1.655	1.976	2.351	2.609	3.145
160	0.126	0.254	0.386	0.525	0.676	0.844	1.040	1.155	1.287	1.446	1.654	1.975	2.350	2.607	3.142
170	0.126	0.254	0.386	0.525	0.676	0.844	1.040	1.154	1.287	1.446	1.654	1.974	2.348	2.605	3.139
180	0.126	0.254	0.386	0.525	0.676	0.844	1.039	1.154	1.286	1.446	1.653	1.973	2.347	2.603	3.136
190	0.126	0.254	0.386	0.525	0.676	0.844	1.039	1.154	1.286	1.445	1.653	1.973	2.346	2.602	3.134
200	0.126	0.254	0.386	0.525	0.676	0.843	1.039	1.154	1.286	1.445	1.653	1.972	2.345	2.601	3.131