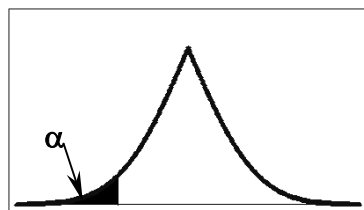
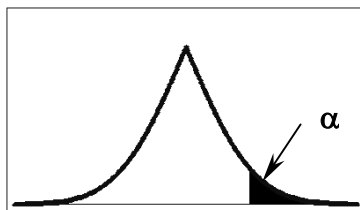


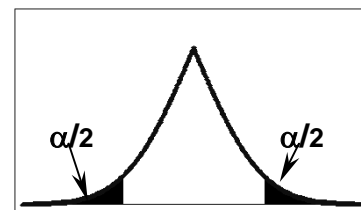
## Student's t-distribution



Left Tail



Right Tail



Two Tail

$\alpha$ - one tail or $\alpha/2$ - two tail	0.005	0.01	0.025	0.05	0.10	0.25
<b>df</b>						
<b>1</b>	63.657	31.821	12.706	6.314	3.078	1.000
<b>2</b>	9.925	6.965	4.303	2.920	1.886	0.816
<b>3</b>	5.841	4.541	3.182	2.353	1.638	0.765
<b>4</b>	4.604	3.747	2.776	2.132	1.533	0.741
<b>5</b>	4.032	3.365	2.571	2.015	1.476	0.727
<b>6</b>	3.707	3.146	2.447	1.943	1.440	0.718
<b>7</b>	3.500	2.998	2.365	1.895	1.415	0.711
<b>8</b>	3.355	2.896	2.306	1.860	1.397	0.706
<b>9</b>	3.250	2.821	2.262	1.833	1.383	0.703
<b>10</b>	3.169	2.764	2.228	1.812	1.372	0.700
<b>11</b>	3.106	2.718	2.201	1.796	1.363	0.697
<b>12</b>	3.054	2.681	2.179	1.782	1.356	0.696
<b>13</b>	3.012	2.650	2.160	1.771	1.350	0.694
<b>14</b>	2.977	2.625	2.145	1.761	1.345	0.692
<b>15</b>	2.947	2.602	2.132	1.753	1.341	0.691
<b>16</b>	2.921	2.584	2.120	1.746	1.337	0.690
<b>17</b>	2.898	2.567	2.110	1.740	1.333	0.689
<b>18</b>	2.878	2.552	2.101	1.734	1.330	0.688
<b>19</b>	2.861	2.540	2.093	1.729	1.328	0.688
<b>20</b>	2.845	2.528	2.086	1.725	1.325	0.687
<b>21</b>	2.831	2.518	2.080	1.721	1.323	0.686
<b>22</b>	2.819	2.508	2.074	1.717	1.321	0.686
<b>23</b>	2.807	2.500	2.069	1.714	1.320	0.685
<b>24</b>	2.797	2.492	2.064	1.711	1.318	0.685
<b>25</b>	2.787	2.485	2.060	1.708	1.316	0.684
<b>26</b>	2.779	2.479	2.056	1.706	1.315	0.684
<b>27</b>	2.771	2.473	2.052	1.703	1.314	0.684
<b>28</b>	2.763	2.467	2.048	1.701	1.313	0.683
<b>29</b>	2.756	2.462	2.045	1.699	1.311	0.683
<b>30 or greater (use z)</b>	2.575	2.327	1.960	1.645	1.282	0.675