



## Statistics - Standard Deviation - Z-Score and Z-Table Section to Z-Table Value

<p><b>1</b> Read the z-table value.</p> <p>A height has a z-score of 2.38. Read <math>P(Z \leq 2.38)</math> from the z-table.</p> <table border="1"> <thead> <tr> <th>z</th> <th>0.07</th> <th>0.08</th> <th>0.09</th> </tr> </thead> <tbody> <tr> <td>2.1</td> <td>0.9850</td> <td>0.9854</td> <td>0.9857</td> </tr> <tr> <td>2.2</td> <td>0.9884</td> <td>0.9887</td> <td>0.9890</td> </tr> <tr> <td>2.3</td> <td>0.9911</td> <td>0.9913</td> <td>0.9916</td> </tr> </tbody> </table>	z	0.07	0.08	0.09	2.1	0.9850	0.9854	0.9857	2.2	0.9884	0.9887	0.9890	2.3	0.9911	0.9913	0.9916	<p>A</p> <p>0.9913</p>	<p>B</p> <p>0.9857</p>	<p><b>2</b> Read the z-table value.</p> <p>A exam mark has a z-score of 1.43. Read <math>P(Z \leq 1.43)</math> from the z-table.</p> <table border="1"> <thead> <tr> <th>z</th> <th>0.01</th> <th>0.02</th> <th>0.03</th> </tr> </thead> <tbody> <tr> <td>1.4</td> <td>0.9207</td> <td>0.9222</td> <td>0.9236</td> </tr> <tr> <td>1.5</td> <td>0.9345</td> <td>0.9357</td> <td>0.9370</td> </tr> <tr> <td>1.6</td> <td>0.9463</td> <td>0.9474</td> <td>0.9484</td> </tr> </tbody> </table>	z	0.01	0.02	0.03	1.4	0.9207	0.9222	0.9236	1.5	0.9345	0.9357	0.9370	1.6	0.9463	0.9474	0.9484	<p>A</p> <p>0.9222</p>	<p>B</p> <p>0.9207</p>
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<p><b>3</b> Read the z-table value.</p> <p>A test score has a z-score of 0.67. Read <math>P(Z \leq 0.67)</math> from the z-table.</p> <table border="1"> <thead> <tr> <th>z</th> <th>0.07</th> <th>0.08</th> <th>0.09</th> </tr> </thead> <tbody> <tr> <td>0.5</td> <td>0.7157</td> <td>0.7190</td> <td>0.7224</td> </tr> <tr> <td>0.6</td> <td>0.7486</td> <td>0.7517</td> <td>0.7549</td> </tr> <tr> <td>0.7</td> <td>0.7794</td> <td>0.7823</td> <td>0.7852</td> </tr> </tbody> </table>	z	0.07	0.08	0.09	0.5	0.7157	0.7190	0.7224	0.6	0.7486	0.7517	0.7549	0.7	0.7794	0.7823	0.7852	<p>A</p> <p>0.7224</p>	<p>B</p> <p>0.7157</p>	<p><b>4</b> Read the z-table value.</p> <p>A exam mark has a z-score of 2.10. Read <math>P(Z \leq 2.10)</math> from the z-table.</p> <table border="1"> <thead> <tr> <th>z</th> <th>0.00</th> <th>0.01</th> <th>0.02</th> </tr> </thead> <tbody> <tr> <td>2.1</td> <td>0.9821</td> <td>0.9826</td> <td>0.9830</td> </tr> <tr> <td>2.2</td> <td>0.9861</td> <td>0.9864</td> <td>0.9868</td> </tr> <tr> <td>2.3</td> <td>0.9893</td> <td>0.9896</td> <td>0.9898</td> </tr> </tbody> </table>	z	0.00	0.01	0.02	2.1	0.9821	0.9826	0.9830	2.2	0.9861	0.9864	0.9868	2.3	0.9893	0.9896	0.9898	<p>A</p> <p>0.9861</p>	<p>B</p> <p>0.9826</p>
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<p><b>5</b> Read the z-table value.</p> <p>A reaction time has a z-score of 1.93. Read <math>P(Z \leq 1.93)</math> from the z-table.</p> <table border="1"> <thead> <tr> <th>z</th> <th>0.03</th> <th>0.04</th> <th>0.05</th> </tr> </thead> <tbody> <tr> <td>1.9</td> <td>0.9732</td> <td>0.9738</td> <td>0.9744</td> </tr> <tr> <td>2.0</td> <td>0.9788</td> <td>0.9793</td> <td>0.9798</td> </tr> <tr> <td>2.1</td> <td>0.9834</td> <td>0.9838</td> <td>0.9842</td> </tr> </tbody> </table>	z	0.03	0.04	0.05	1.9	0.9732	0.9738	0.9744	2.0	0.9788	0.9793	0.9798	2.1	0.9834	0.9838	0.9842	<p>A</p> <p>0.9732</p>	<p>B</p> <p>0.9744</p>	<p><b>6</b> Read the z-table value.</p> <p>A test score has a z-score of 2.13. Read <math>P(Z \leq 2.13)</math> from the z-table.</p> <table border="1"> <thead> <tr> <th>z</th> <th>0.02</th> <th>0.03</th> <th>0.04</th> </tr> </thead> <tbody> <tr> <td>1.9</td> <td>0.9726</td> <td>0.9732</td> <td>0.9738</td> </tr> <tr> <td>2.0</td> <td>0.9783</td> <td>0.9788</td> <td>0.9793</td> </tr> <tr> <td>2.1</td> <td>0.9830</td> <td>0.9834</td> <td>0.9838</td> </tr> </tbody> </table>	z	0.02	0.03	0.04	1.9	0.9726	0.9732	0.9738	2.0	0.9783	0.9788	0.9793	2.1	0.9830	0.9834	0.9838	<p>A</p> <p>0.9834</p>	<p>B</p> <p>0.9738</p>
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<p><b>7</b> Read the z-table value.</p> <p>A reaction time has a z-score of 0.86. Read <math>P(Z \leq 0.86)</math> from the z-table.</p> <table border="1"> <thead> <tr> <th>z</th> <th>0.04</th> <th>0.05</th> <th>0.06</th> </tr> </thead> <tbody> <tr> <td>0.7</td> <td>0.7704</td> <td>0.7734</td> <td>0.7764</td> </tr> <tr> <td>0.8</td> <td>0.7995</td> <td>0.8023</td> <td>0.8051</td> </tr> <tr> <td>0.9</td> <td>0.8264</td> <td>0.8289</td> <td>0.8315</td> </tr> </tbody> </table>	z	0.04	0.05	0.06	0.7	0.7704	0.7734	0.7764	0.8	0.7995	0.8023	0.8051	0.9	0.8264	0.8289	0.8315	<p>A</p> <p>0.7704</p>	<p>B</p> <p>0.8051</p>	<p><b>8</b> Read the z-table value.</p> <p>A reaction time has a z-score of 1.02. Read <math>P(Z \leq 1.02)</math> from the z-table.</p> <table border="1"> <thead> <tr> <th>z</th> <th>0.00</th> <th>0.01</th> <th>0.02</th> </tr> </thead> <tbody> <tr> <td>0.8</td> <td>0.7881</td> <td>0.7910</td> <td>0.7939</td> </tr> <tr> <td>0.9</td> <td>0.8159</td> <td>0.8186</td> <td>0.8212</td> </tr> <tr> <td>1.0</td> <td>0.8413</td> <td>0.8438</td> <td>0.8461</td> </tr> </tbody> </table>	z	0.00	0.01	0.02	0.8	0.7881	0.7910	0.7939	0.9	0.8159	0.8186	0.8212	1.0	0.8413	0.8438	0.8461	<p>A</p> <p>0.7910</p>	<p>B</p> <p>0.7881</p>
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