



Statistics - Standard Deviation - Z-Score and Z-Table Section to Percent

Above/Below

<p>1</p> <p>Find the percentage.</p> <p>A height has a z-score of 1.84. What percentage of heights is below it?</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>1.7</td> <td>0.9591</td> <td>0.9599</td> <td>0.9608</td> </tr> <tr> <td>1.8</td> <td>0.9671</td> <td>0.9678</td> <td>0.9686</td> </tr> <tr> <td>1.9</td> <td>0.9738</td> <td>0.9744</td> <td>0.9750</td> </tr> </tbody> </table> <p>A 3.29% B 0.03%</p> <p>C 96.71% D 0.97%</p>	z	0.04	0.05	0.06	1.7	0.9591	0.9599	0.9608	1.8	0.9671	0.9678	0.9686	1.9	0.9738	0.9744	0.9750	<p>2</p> <p>Find the percentage.</p> <p>A reaction time has a z-score of 1.75. What percentage of reaction times is below it?</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>1.7</td> <td>0.9591</td> <td>0.9599</td> <td>0.9608</td> </tr> <tr> <td>1.8</td> <td>0.9671</td> <td>0.9678</td> <td>0.9686</td> </tr> <tr> <td>1.9</td> <td>0.9738</td> <td>0.9744</td> <td>0.9750</td> </tr> </tbody> </table> <p>A 0.04% B 0.96%</p> <p>C 4.01% D 95.99%</p>	z	0.04	0.05	0.06	1.7	0.9591	0.9599	0.9608	1.8	0.9671	0.9678	0.9686	1.9	0.9738	0.9744	0.9750
z	0.04	0.05	0.06																														
1.7	0.9591	0.9599	0.9608																														
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<p>3</p> <p>Find the percentage.</p> <p>A height has a z-score of 0.56. What percentage of heights is above it?</p> <table border="1"> <thead> <tr> <th>z</th> <th>0.06</th> <th>0.07</th> <th>0.08</th> </tr> </thead> <tbody> <tr> <td>0.3</td> <td>0.6406</td> <td>0.6443</td> <td>0.6480</td> </tr> <tr> <td>0.4</td> <td>0.6772</td> <td>0.6808</td> <td>0.6844</td> </tr> <tr> <td>0.5</td> <td>0.7123</td> <td>0.7157</td> <td>0.7190</td> </tr> </tbody> </table> <p>A 28.77% B 0.29%</p> <p>C 71.23% D 0.71%</p>	z	0.06	0.07	0.08	0.3	0.6406	0.6443	0.6480	0.4	0.6772	0.6808	0.6844	0.5	0.7123	0.7157	0.7190	<p>4</p> <p>Find the percentage.</p> <p>A reaction time has a z-score of 2.07. What percentage of reaction times is above it?</p> <table border="1"> <thead> <tr> <th>z</th> <th>0.05</th> <th>0.06</th> <th>0.07</th> </tr> </thead> <tbody> <tr> <td>1.8</td> <td>0.9678</td> <td>0.9686</td> <td>0.9693</td> </tr> <tr> <td>1.9</td> <td>0.9744</td> <td>0.9750</td> <td>0.9756</td> </tr> <tr> <td>2.0</td> <td>0.9798</td> <td>0.9803</td> <td>0.9808</td> </tr> </tbody> </table> <p>A 98.08% B 1.92%</p> <p>C 0.98% D 0.02%</p>	z	0.05	0.06	0.07	1.8	0.9678	0.9686	0.9693	1.9	0.9744	0.9750	0.9756	2.0	0.9798	0.9803	0.9808
z	0.06	0.07	0.08																														
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<p>5</p> <p>Find the percentage.</p> <p>A height has a z-score of 0.72. What percentage of heights is below it?</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>0.6</td> <td>0.7324</td> <td>0.7357</td> <td>0.7389</td> </tr> <tr> <td>0.7</td> <td>0.7642</td> <td>0.7673</td> <td>0.7704</td> </tr> <tr> <td>0.8</td> <td>0.7939</td> <td>0.7967</td> <td>0.7995</td> </tr> </tbody> </table> <p>A 23.58% B 0.76%</p> <p>C 76.42% D 0.24%</p>	z	0.02	0.03	0.04	0.6	0.7324	0.7357	0.7389	0.7	0.7642	0.7673	0.7704	0.8	0.7939	0.7967	0.7995	<p>6</p> <p>Find the percentage.</p> <p>A test score has a z-score of 2.10. What percentage of test scores is below it?</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>1.9</td> <td>0.9713</td> <td>0.9719</td> <td>0.9726</td> </tr> <tr> <td>2.0</td> <td>0.9772</td> <td>0.9778</td> <td>0.9783</td> </tr> <tr> <td>2.1</td> <td>0.9821</td> <td>0.9826</td> <td>0.9830</td> </tr> </tbody> </table> <p>A 0.02% B 1.79%</p> <p>C 98.21% D 0.98%</p>	z	0.00	0.01	0.02	1.9	0.9713	0.9719	0.9726	2.0	0.9772	0.9778	0.9783	2.1	0.9821	0.9826	0.9830
z	0.02	0.03	0.04																														
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<p>7</p> <p>Find the percentage.</p> <p>A height has a z-score of 1.51. What percentage of heights is above it?</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>1.5</td> <td>0.9332</td> <td>0.9345</td> <td>0.9357</td> </tr> <tr> <td>1.6</td> <td>0.9452</td> <td>0.9463</td> <td>0.9474</td> </tr> <tr> <td>1.7</td> <td>0.9554</td> <td>0.9564</td> <td>0.9573</td> </tr> </tbody> </table> <p>A 93.45% B 6.55%</p> <p>C 0.93% D 0.07%</p>	z	0.00	0.01	0.02	1.5	0.9332	0.9345	0.9357	1.6	0.9452	0.9463	0.9474	1.7	0.9554	0.9564	0.9573	<p>8</p> <p>Find the percentage.</p> <p>A height has a z-score of 1.75. What percentage of heights is above it?</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>1.5</td> <td>0.9370</td> <td>0.9382</td> <td>0.9394</td> </tr> <tr> <td>1.6</td> <td>0.9484</td> <td>0.9495</td> <td>0.9505</td> </tr> <tr> <td>1.7</td> <td>0.9582</td> <td>0.9591</td> <td>0.9599</td> </tr> </tbody> </table> <p>A 0.04% B 4.01%</p> <p>C 95.99% D 0.96%</p>	z	0.03	0.04	0.05	1.5	0.9370	0.9382	0.9394	1.6	0.9484	0.9495	0.9505	1.7	0.9582	0.9591	0.9599
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