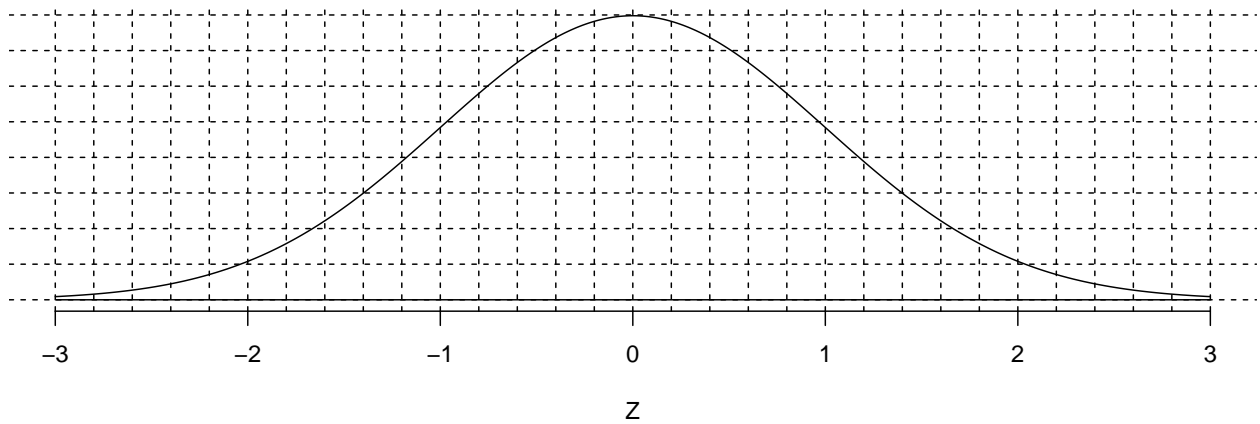


Question

The figure below shows the standard normal density. Each grid square represents 1% of probability.



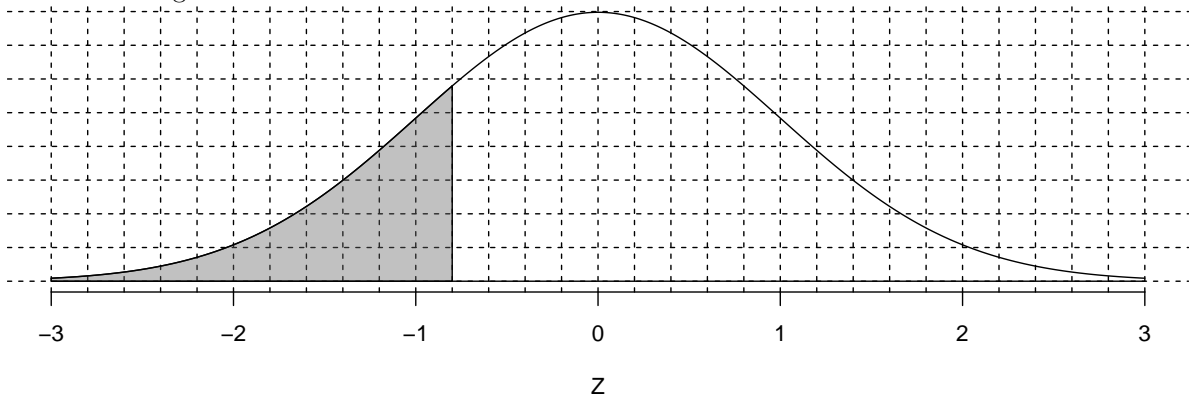
Answerlist —

- Estimate z such that $P(Z < z) = 0.21$ by shading and counting.
- Determine z such that $P(Z < z) = 0.21$ by using the z -table.

Solution

Answerlist

- The shaded region is shown below.



When you have shaded 21 squares, starting on the left, you should end around $z = -0.8$.

- $z \approx -0.8$

Meta-information

extype: string exsolution: yo exname: marbles extol: 0.01