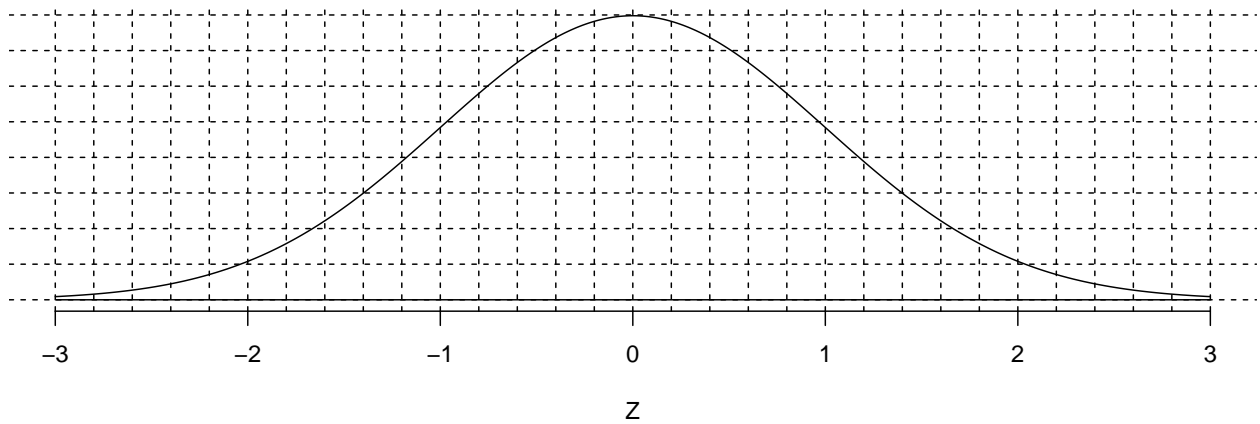


Question

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



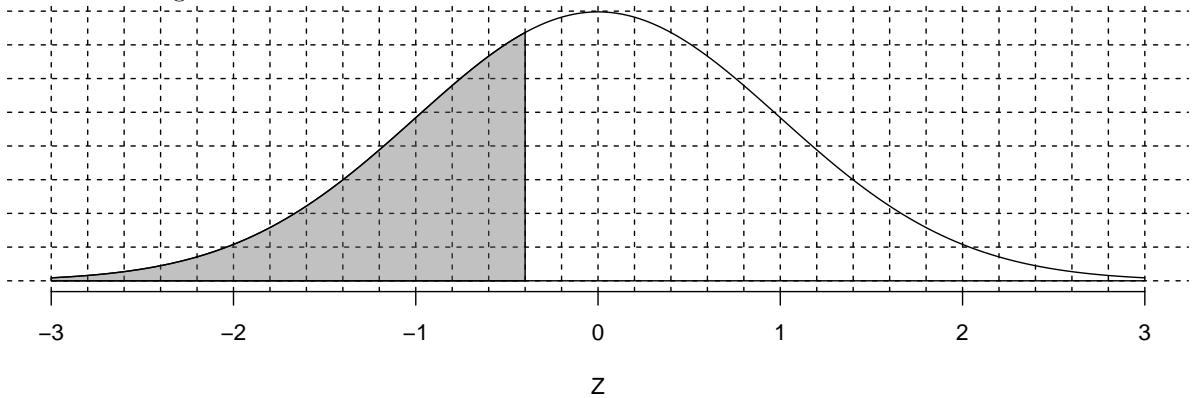
Answerlist

- Estimate $P(Z < -0.4)$ by shading and counting.
- Determine $P(Z < -0.4)$ by using the z -table.

Solution

Answerlist

- The shaded region is shown below.



You should count about 34 squares shaded, giving a probability of about 0.34.

- The probability is 0.3446.

Meta-information

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