Exercise 4.2

Code and Plots

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Exercise 4.2 code and plots:

library(visualize)

a.) Z > -1.13

Graph code:

visualize.norm(stat = -1.13, mu = 0, sd = 1, section = 'upper')

A blue curve with orange lines

Description automatically generated

b.) Z < 0.18

Graph code:

visualize.norm(stat = 0.18, mu = 0, sd = 1, section = 'lower')

A blue and orange curve

Description automatically generated

c.) Z > 8

Graph code:

visualize.norm(stat = 8, mu = 0, sd = 1, section = 'upper')

A diagram of a normal distribution

Description automatically generated

# d.) |Z| < 0.5

# Graph code:

visualize.norm(stat = c(-0.5, 0.5), mu = 0, sd = 1, section = 'bounded')

A diagram of a normal distribution

Description automatically generated