



Bookmarks



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Problem Set

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Week 2: Univariate Descriptive Statistics > Problem Set > Question 4

Question 4

Suppose that hours of sleep per night for single adults between 30 and 40 years of age are normally distributed with a mean of **6.7 hours** and a standard deviation of **1.1 hours**.

(3/3 points)

4a. If an adult has a z-score of -1.5, how many hours of sleep does this person get per night? *(Report to 2 decimal places.)*

✓ Answer: 5.05

5.05

4b. What proportion of adults sleep longer than 4.5 hours per night? *(Report to 3 decimal places.)*

✓ Answer: 0.977

0.977

4c. What proportion of adults sleep between 5.38 and 8.79 hours of sleep? *(Report to 3 decimal places.)*

✓ Answer: 0.856

0.856

You have used 1 of 1 submissions

- ▶ Week 3:
Bivariate
Distributions
- ▶ Week 4:
Bivariate
Distributions
(Categorical
Data)

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