

Exer 5.4

[s2009/s2009-25b]

Using the appropriate data set and correct modeling statements, compute each of these quantities and give the model statement you used (e.g., $\text{age} \sim \text{sex}$)

- From the `cps.csv` data, what is the mean age of single people? (Pick the closest answer.)

28 31 32 35 39 years.

What was your model expression?

- From the `cps.csv` data, what is the difference between the mean ages of married and single people? (Pick the closest answer.)

- A Single people are, on average, 5 years younger.
- B Single people are, on average, 5 years older.
- C Single people are, on average, 7 years younger.
- D Single people are, on average, 7 years older.

What was your model expression?

- From the `swim100m.csv` data, what is the mean swimming time for women? (Pick the closest.)

55 60 65 70 75 80 seconds.

- From the `utilities.csv` data, what is the mean CCF for November? (Pick the closest.) (Hint: use `as.factor(month)` to convert the month number to a categorical variable.)

94 97 103 107 109 123 191