

This exercise is based on the class survey data that you can find in the stat20data library. For each of the questions below, evaluate the association between these two variables both visually and with Pearson correlation. Do you think Pearson correlation is the most effective way to quantify each association?

1. Which pair of numerical variables in the class survey do you think will have the **strongest** association?
2. Which pair of numerical variables do you think have the **weakest** association?
3. Can you find a **surprising** pair of numerical variables that have a strong association? What might explain this association?