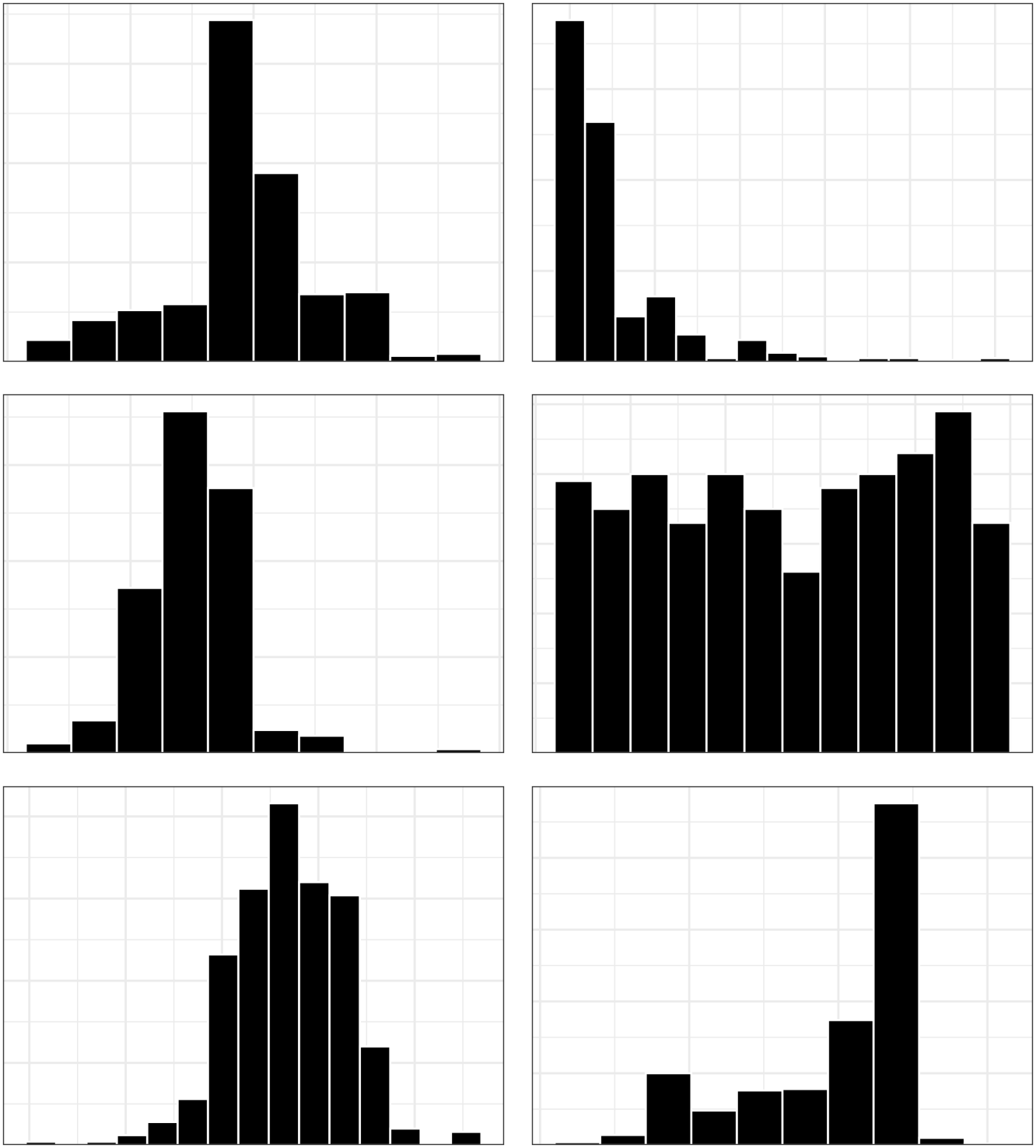
Guess the Histogram Activity

In this activity, you are going to explore distributions of real data collected from students across the United States through Census at School (https://ww2.amstat.org/censusatschool/). Census at School is an international classroom project that engages students in grades 4–12 in statistical problem solving. Students complete a brief online survey, analyze their class census results, and compare their class with random samples of students in the United States and other countries.

The six variables you will explore are:

- **Age:** the student's age in years
- **Height:** the student's height in inches
- **Sleep Hours (Non-School Night):** hours of sleep on a weekend or non-school night
- **Home Occupants:** the number of people living in the student's home
- **Birth Month:** the month (1–12) in which the student was born
- **Text Messages Sent Yesterday:** the number of text messages the student sent on the previous day

1. Match every histogram to its associated variable

2. Pair with another group to talk about what pairs you made. Did you get the same things?