

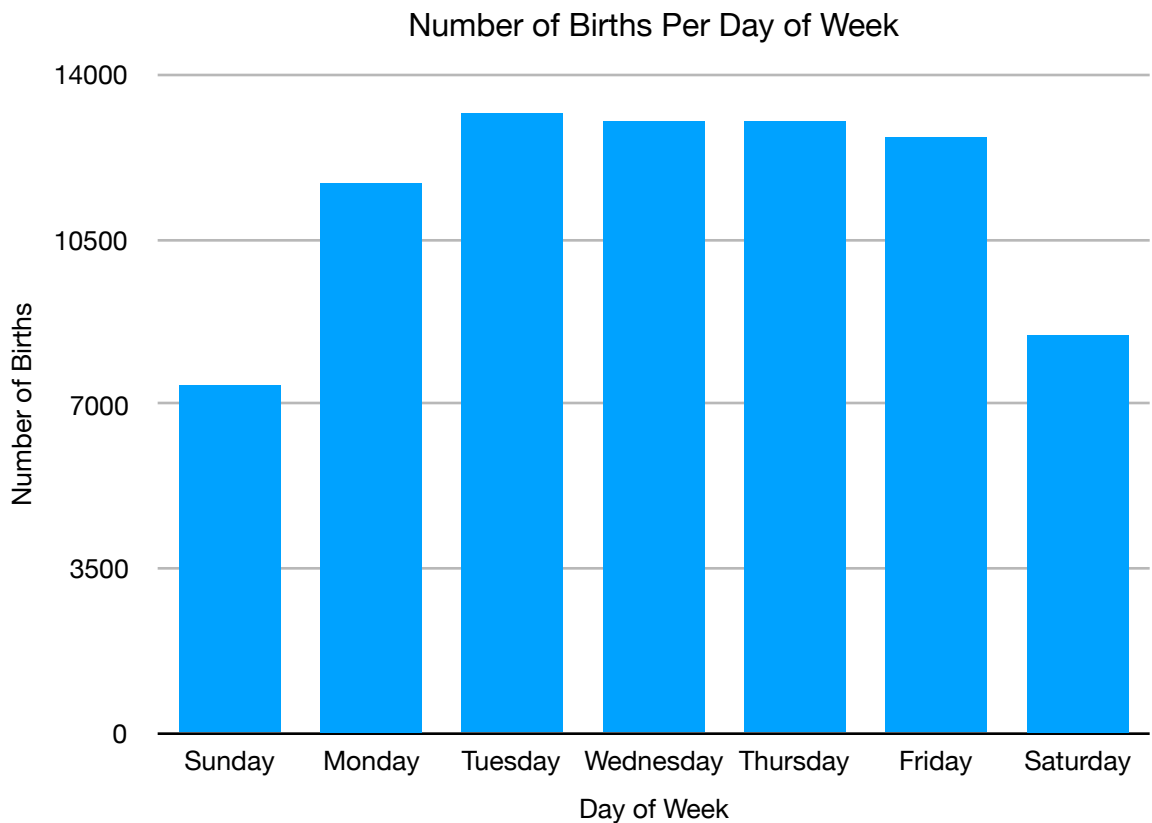
AP Statistics

2019-01-15 Noah Overcash

1.1-1.2 Assignment

- Pg. 7 1,3
- Question 1
 - Categorical:
 - Type of wood
 - Type of water repellent
 - Paint color
 - Quantitative:
 - Paint thickness
 - Weathering time
- Question 3
 - Part A
 - The students in an AP Statistics course
 - Part B
 - Gender (categorical)
 - Hand (categorical)
 - Height (quantitative, inches)
 - Homework time (quantitative, minutes)
 - Favorite music (categorical)
 - Pocket change (quantitative, cents)
 - Part C

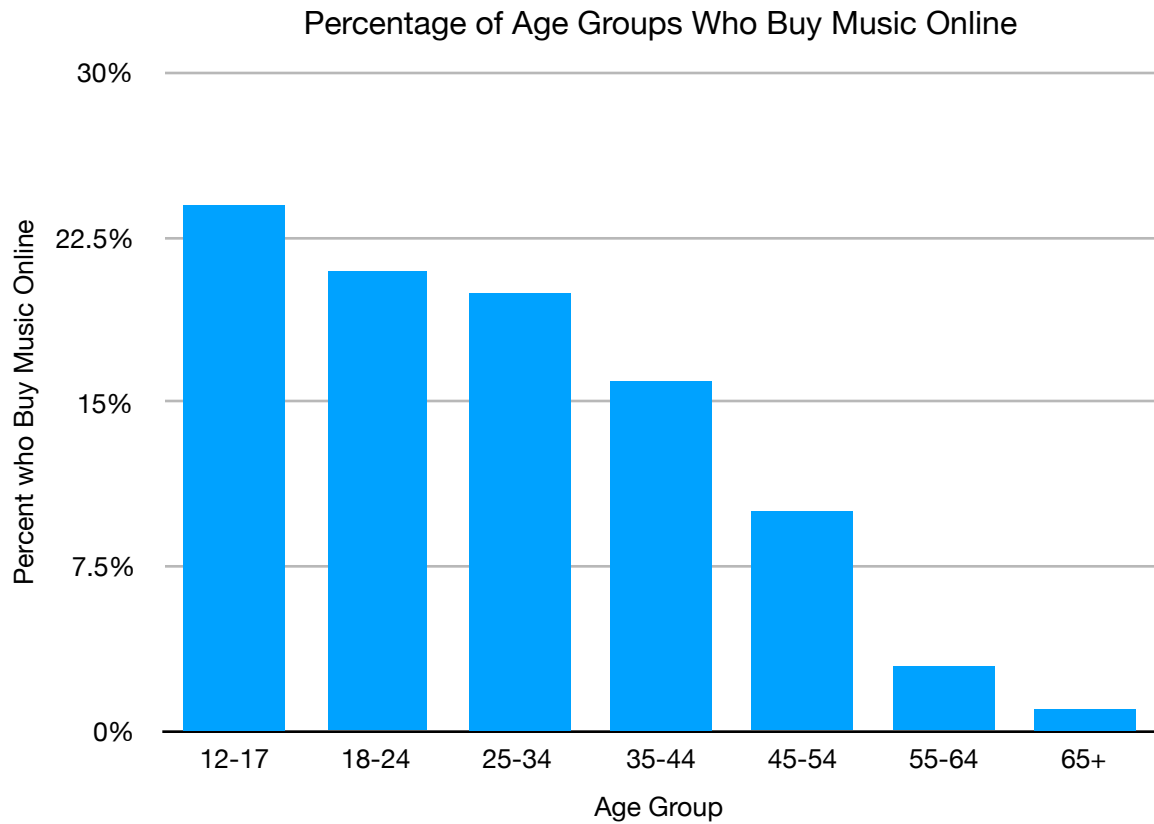
- Right-handed 58" female who enjoys alternative music, spends one hour on homework, and has 76¢.
- Pg. 22-26 11,15,17,23,27-32
- Question 11
- Part A



- Yes, as each component of the chart would show the number of births on that day out of the seven days of the week.
- Part B
- Less medical staff available (so less cesarian sections/ induced labor)
- Question 15
- Part A

- The percentages are out of certain populations, not the overall population.

- Part B

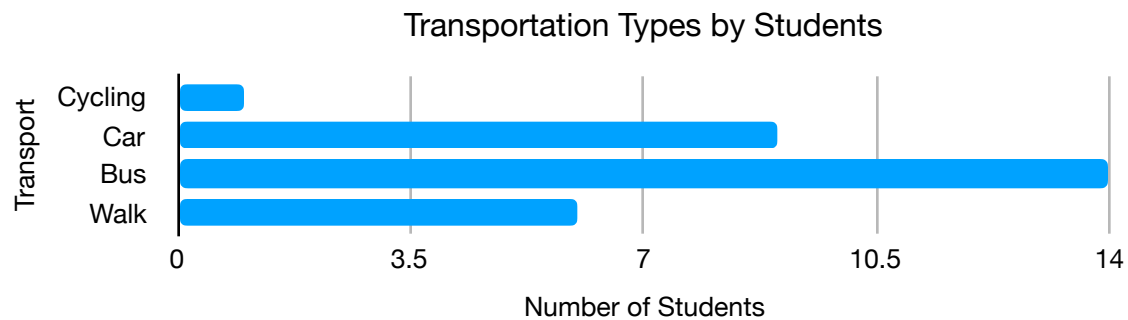


- Question 17

- Part A

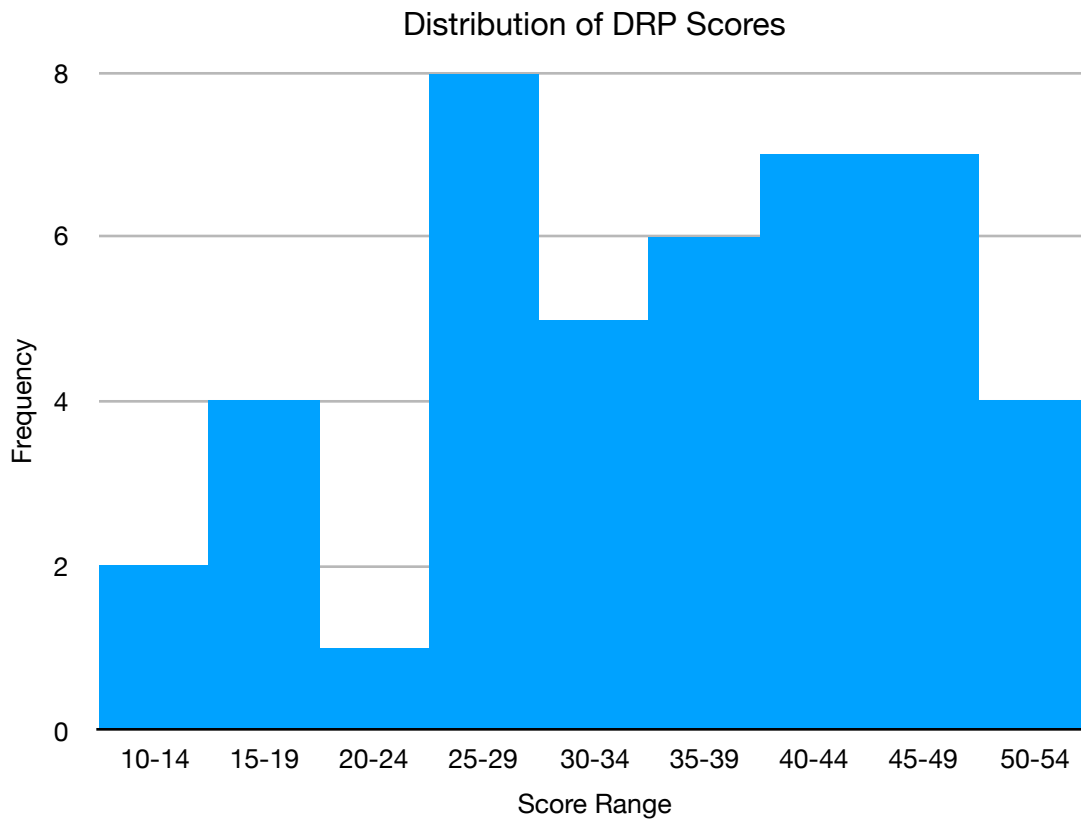
- The graph uses pictographs of different scales

- Part B



- Question 23
 - Europe favors black, silver, and grey while America prefers white/pearl. Both distributions were fairly similar, with the exception of white/pearl which Europe strongly dislikes.
- Question 27: **D**
- Question 28: **A**
- Question 29: **D**
- Question 30: **E**
- Question 31: **E**
- Question 32: **C**
- Pg. 42-49 37,39,45,55,59,69-74
- Question 37
 - Completed on pre-requisite homework
- Question 39
 - Part A
 - Two games had a goal differential of -2
 - Part B
 - It is skewed right, so most games were won by at least a goal, usually more.
- Question 45
 - Part A
 - To better show the distribution of the data
 - Part B

- 16.0%; due to it being in the midwest and being largely rural, so families are likely to stay together and age together.
- Question 55



- The scores are unimodal, with a clear peak at 40–49. They have a skewed left distribution.
- Question 59
 - The graphs have a very low resolution and entirely different scales.
- Question 69: **A**
- Question 70: **D**
- Question 71: **C**

- Question 72: **C**
- Question 73: **B**
- Question 74: **D**