

Name \_\_\_\_\_

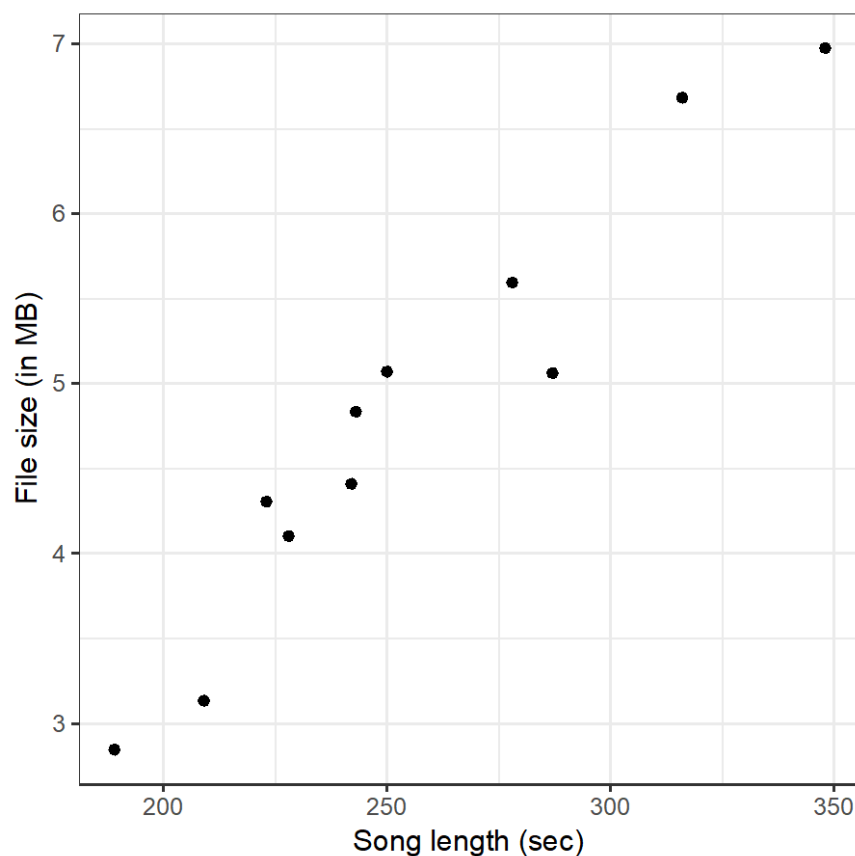
### Investigation 6: Are Gender and Pay Related?

#### Worksheet 6.1 Patterns in Scatterplots

Do you own an MP3 player? Or do you have a lot of songs stored onto your cell phone? How much memory are the songs using on the device?

Do you think there is a relationship between the length of a song in minutes and the size of the file on an MP3 player?

The following scatterplot shows the file sizes (in MB) for songs of different lengths (in seconds)



1. What trends do you observe in the scatterplot?
2. As the song increases in length, what is happening to the size of the file?
3. How would you describe the relationship between the length of a song and the size of the file?