**Crime Data Guide, Pivot Tables**

**What are you looking at?** This is a record of 80,000 non-fatal gun injuries that occurred in the U.S. between 1993 and 2014. I’ve given you 2004-2014 because otherwise it was more than Google Sheet’s 2 million cell limit.

**Where I (Lindsey) got this data:** I got this from a site that aggregates a lot of crime and justice data, NACJD, run out of the University of Michigan: <https://www.icpsr.umich.edu/icpsrweb/NACJD/discover-data.jsp> This data was originally pulled together by the CDC using data they already collect about ER admissions.

**Challenge:** OK! Exciting -- this data has a code book, which is very normal for crime and justice data. You’ll need to use it to decipher the data. Beware though, I had to remove some columns to make the data small enough. I’ve provided column names in the questions below to help you get started.

**What are some questions I’d need pivot tables to answer?**

1. Which gun type (FIRARM\_C) is most common?
2. It’s most common to be shot by someone who is related to you how? (WHO\_C)
3. How does this change when you also look by gender?
   1. Hint: You’ll need to add SEX to columns
4. What about race?
5. In what percentage of shootings did victims wait 3 or more days before getting treatment?
   1. Hint: You’ll need to calculate the number of days for each row before you pivot.

**Your Questions:**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_