




# **R Shiny** **“Consumer** **Injuries”** **WEEK 6**



**Disclaimer:** While case study is real, data is modified for educational purposes.

**Description:** You are Data Scientist working in Consumer Product Safety Commission and were given data generated by National Electronic Injury Surveillance System. Your task is to build Shiny App based on data, where title is key variable.

There are three datasets:

- *injuries.csv* is main dataset
- *products.csv* (prod\_code variable is common with main dataset)
- *population.csv* (combination of age and sex variables is common with main dataset).

Description of variables:

- trmt\_date is date the person was seen in the hospital (not when the accident occurred);
- age, sex, and race give demographic information about the person who experienced the accident;
- body\_part is the location of the injury on the body (like ankle or ear);
- location is the place where the accident occurred (like home or school);
- diag gives the basic diagnosis of the injury (like fracture or laceration);
- prod\_code is the primary product associated with the injury;
- narrative is a brief story about how the accident occurred;
- title is product name (*products.csv*)
- population shows total number for each age and sex combination (*population.csv*)

