Yale Crime Statistics — Exploration

Daniel Zhao and Maggie Nolan

10/13/2019

```r
require(readr)
require(dplyr)
require(ggplot2)

crime <- read_csv("yale_crime_merged.csv")
```

```r
crime %>%
    group_by(Year, Subcategory, Location) %>%
    summarize(Number = sum(Number)) %>%
    ggplot(aes(Year, Number, color = Location)) +
    geom_line() +
    facet_wrap(~Subcategory)
```



```r
crime %>%
    filter(Subcategory %in% c("Burglary", "Drug law violations", "Liquor law violations", "Robbery")) %>%
    group_by(Year, Subcategory, Location) %>%
    summarize(Number = sum(Number)) %>%
    ggplot(aes(Year, Number, color = Location)) +
    geom_line() +
    facet_wrap(~Subcategory)
```