Bar plots function

Usage: visual.fun(year, state

Description: Visualization of each crime type for certain state in specific year. The data set is prepared by our team.

Arguments:

* + Year: An integer. If a year is given, e.g. 2006, the data from year 2006 will be extracted.
  + State: A character that indicates a specific state. It must be all capitalized. e.g. ‘WISCONSIN’, which is the default.

Example:

visual.fun(year = 2019, state = "MASSACHUSETTS")

Procedure:

1. Run the function visual.fun with your desired arguments, and assign it to a variable, e.g. fig.

2. Run the command: fig$Barplot.by.area, will generate bar plot of different types of crime by areas (‘M’. ‘R’, ‘O’)

3. Run the command: fig$Barplot.by.type, will generate bar plot of total number of crimes by different crime type

4. Run the command: fig$Spineplot will generate spine plot of different crime types in each area