## Reproducible Research: Peer Assessment 2

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## Synopsis:

## **Data Processing**

```
storms <- read.csv(filename,
                 stringsAsFactors = FALSE )
str(storms)
## 'data.frame':
                  902297 obs. of 37 variables:
  $ STATE : num
                   1 1 1 1 1 1 1 1 1 1 ...
                     "4/18/1950 0:00:00" "4/18/1950 0:00:00" "2/20/1951 0:00:00" "6/8/1951 0:00:00" .
   $ BGN DATE : chr
                     "0130" "0145" "1600" "0900" ...
   $ BGN TIME : chr
  $ TIME ZONE : chr "CST" "CST" "CST" "CST" ...
  $ COUNTY
              : num 97 3 57 89 43 77 9 123 125 57 ...
                     "MOBILE" "BALDWIN" "FAYETTE" "MADISON" ...
## $ COUNTYNAME: chr
             : chr "AL" "AL" "AL" "AL" ...
   $ STATE
  $ EVTYPE
              : chr "TORNADO" "TORNADO" "TORNADO" "TORNADO" ...
   $ BGN_RANGE : num 0 0 0 0 0 0 0 0 0 ...
                     ...
   $ BGN_AZI
##
             : chr
                     ... ... ... ...
##
   $ BGN_LOCATI: chr
                     ... ... ... ...
   $ END_DATE : chr
                     ... ... ... ...
   $ END_TIME : chr
   $ COUNTY_END: num 0 0 0 0 0 0 0 0 0 ...
  $ COUNTYENDN: logi NA NA NA NA NA NA ...
  $ END_RANGE : num 0 0 0 0 0 0 0 0 0 ...
   $ END_AZI
              : chr
##
                     ...
##
   $ END LOCATI: chr
##
   $ LENGTH
                    14 2 0.1 0 0 1.5 1.5 0 3.3 2.3 ...
              : num
              : num 100 150 123 100 150 177 33 33 100 100 ...
   $ WIDTH
##
                    3 2 2 2 2 2 2 1 3 3 ...
   $ F
              : int
              : num 0000000000...
   $ MAG
## $ FATALITIES: num 0 0 0 0 0 0 0 1 0 ...
  $ INJURIES : num 15 0 2 2 2 6 1 0 14 0 ...
   $ PROPDMG
                     25 2.5 25 2.5 2.5 2.5 2.5 2.5 25 25 ...
             : num
                     "K" "K" "K" "K" ...
##
   $ PROPDMGEXP: chr
   $ CROPDMG
             : num
                    0 0 0 0 0 0 0 0 0 0 ...
                     ... ... ... ...
  $ CROPDMGEXP: chr
                     ... ... ... ...
   $ WFO
           : chr
                     ... ... ... ...
   $ STATEOFFIC: chr
                     ...
  $ ZONENAMES : chr
## $ LATITUDE : num 3040 3042 3340 3458 3412 ...
   $ LONGITUDE : num 8812 8755 8742 8626 8642 ...
## $ LATITUDE_E: num 3051 0 0 0 0 ...
## $ LONGITUDE_: num 8806 0 0 0 0 ...
## $ REMARKS : chr "" "" "" ...
```

## \$ REFNUM : num 1 2 3 4 5 6 7 8 9 10 ...

Results

Severe Storm Events – type and frequency

Health Impact

Economic Impact