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R Markdown

Reproducible Research: Peer-graded Assignment: Course Project 2

Introduction:

This project involves exploring the U.S. National Oceanic and Atmospheric Administration's (NOAA) storm database. This database tracks characteristics of major storms and weather events in the United States, including when and where they occur, as well as estimates of any fatalities, injuries, and property damage.

Storms and other severe weather events can cause both public health and economic problems for communities and municipalities. Many severe events can result in fatalities, injuries, and property damage, and preventing such outcomes to the extent possible is a key concern.

Synopsis:

The basic goal of this assignment is to explore the NOAA Storm Database and answer two basic questions about severe weather events. First one, the types of events are most harmful to population health and secondly the types of events have the greatest economic consequences.

Analysis:

The Analysis on the storm event database revealed that tornadoes are the most harmful weather event to the population's health. The second most harmful event type is excessive heat. The greatest economic impact of weather events were also analysed. Flash floods and thunderstorm winds caused billions of dollars in property damages between 1950 and 2011. The largest damage to crops were caused by droughts, followed by floods and hailing.

1. Load Data

1.Loading packages (rmarkdown, knitr and dplyr)

```
library(rmarkdown)
```

```
## Warning: package 'rmarkdown' was built under R version 3.5.3
```

```
library(knitr)
```

```
## Warning: package 'knitr' was built under R version 3.5.3
```

```
library(dplyr)
```

```
## Warning: package 'dplyr' was built under R version 3.5.3
```