MODELING EXTREME PRECIPITATION EVENTS

A THESIS PAPER FOR THE DEGREE OF BACHELOR OF SCIENCE

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By

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Miscellaneous code

Transform the precipitation data to different temporal resolutions

Extract extreme values for different temporal resolutions

Compute frequencies of precipitation heights and extreme precipitation heights

Get a grasp of the distribution of frequencies in terms of percentiles / quantiles

Barplots of the frequencies of precipitation heights / extreme precipitation heights for different temporal resolutions
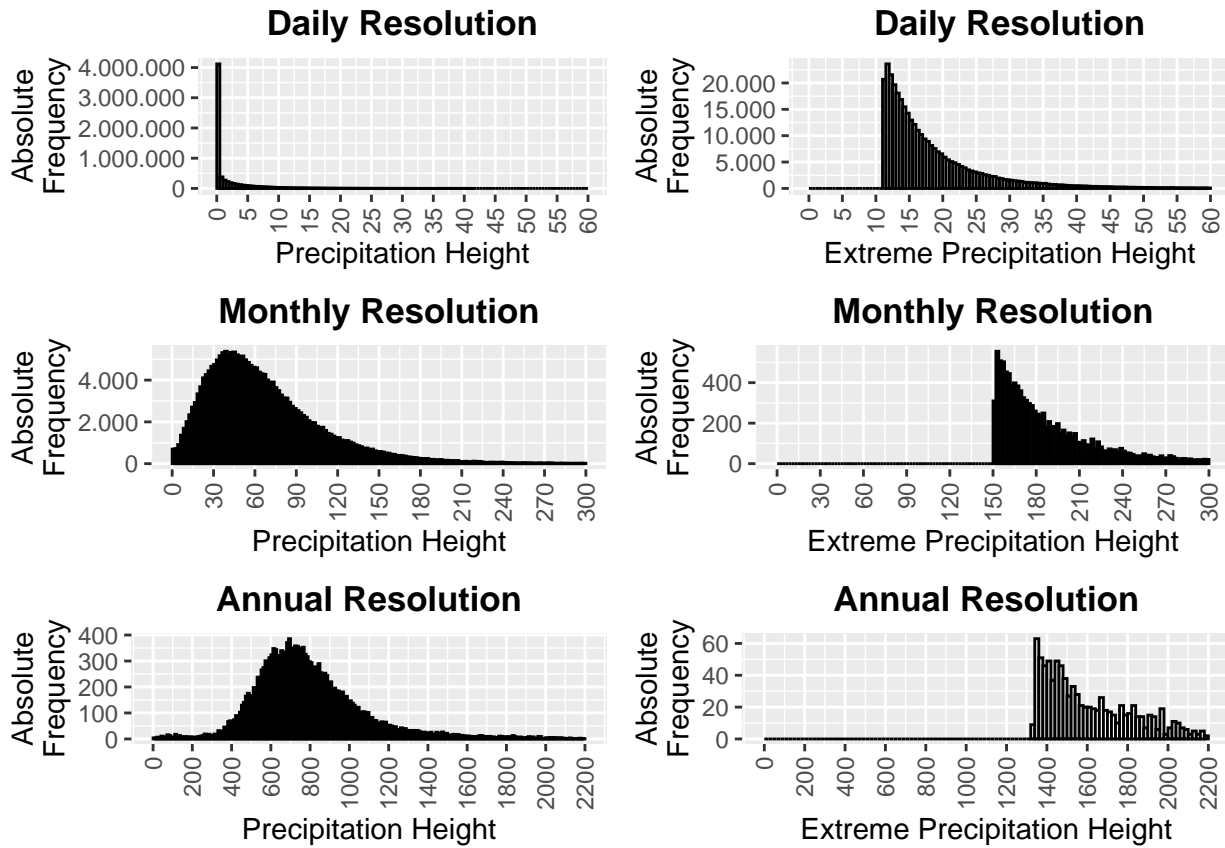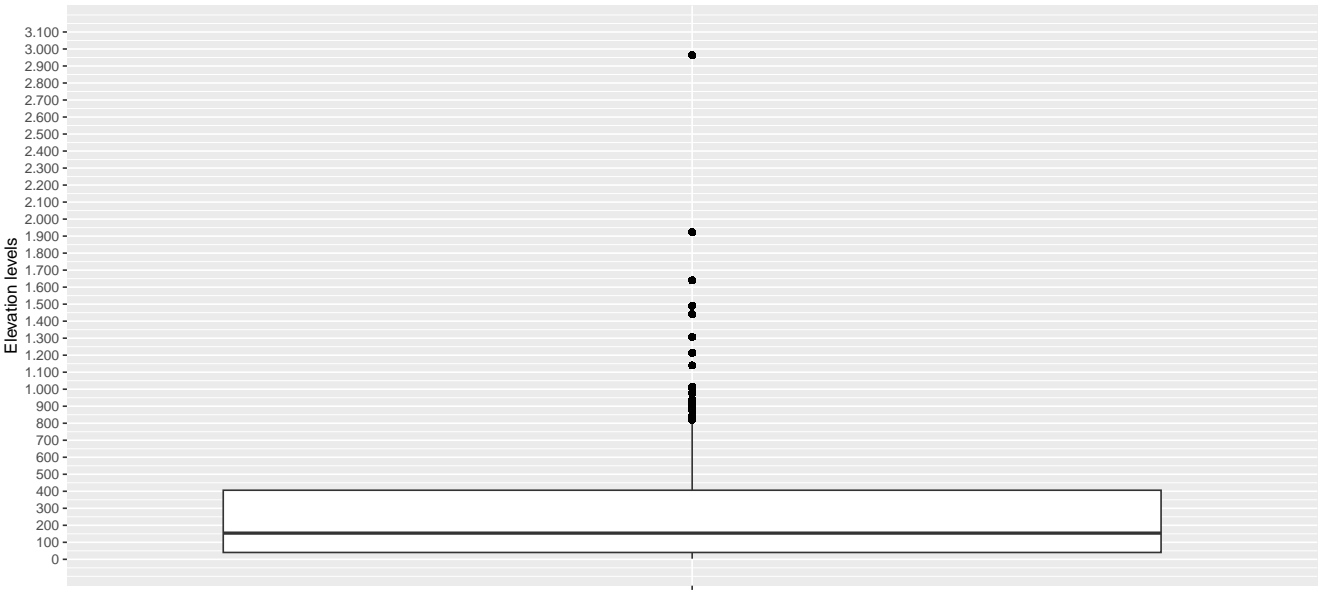
On the distribution of elevation levels within the data

```
##      QuantileValues
## 0%           -0,27
## 5%            3,67
## 25%          40,33
## 50%         154,00
## 75%         406,20
## 95%         808,00
## 100%       2964,00
```

Frequency of Elevation Levels
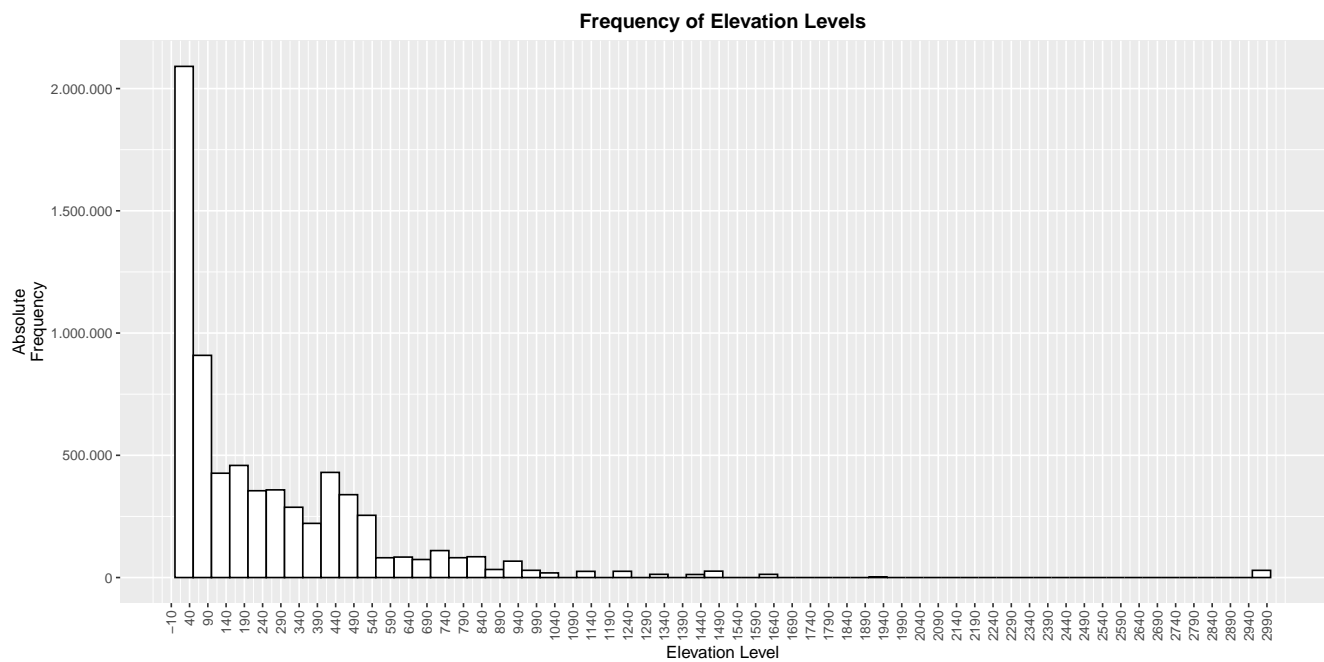
A boxplot of the elevation levels

Session Info