

Assignment 1 Final Output

This a summary of the descriptive statistics from Diego and Isabelle's first assignment for the Collaborative Social Science Data Analysis class.

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Introduction to the DataSet

The core R data set `nhtemp`, titled “Average Yearly Temperatures in New Haven” is a time series of 60 observations recording the mean annual temperature in degrees Fahrenheit in New Haven, Connecticut, between 1912 and 1971.

Descriptive Statistics

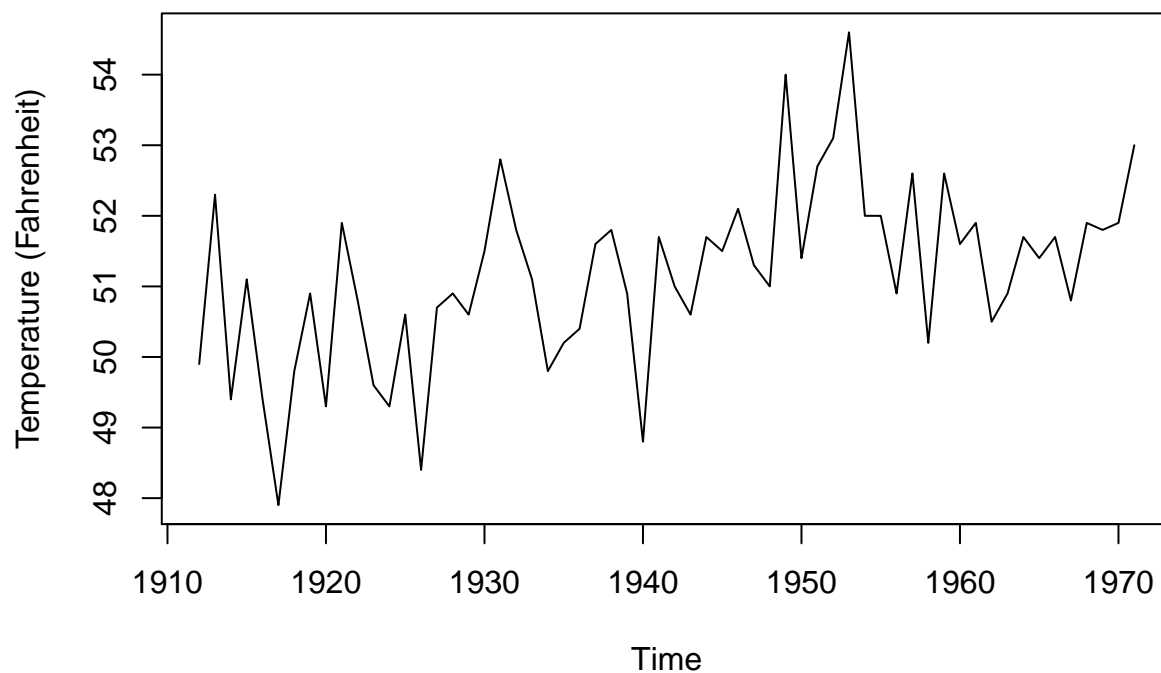
If we look at the summary statistics, we learn that the average temperature has fallen within a small range for the duration of the 60 years. Otherwise, it tells us very little about the actual climate or any change in climate over time, as the temperatures are aggregated by year and not by month or season.

```
summary(nhtemp)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	47.90	50.58	51.20	51.16	51.90	54.60

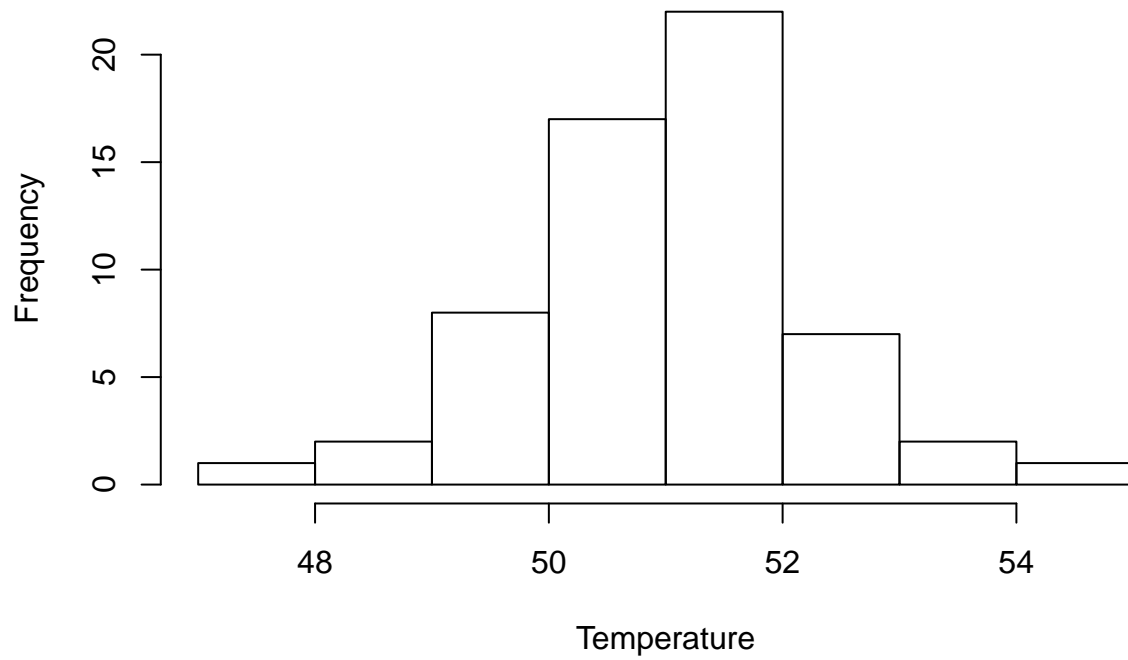
However, if we look at the data over time, we can see a general upwards trend in the average temperatures, although they vary considerably from one year to the next.

Average Yearly Temperature 1912–1971



The histogram shows us that most years cluster towards an average temperature of 50-52.

Frequency of Average Yearly Temperatures



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