Sechseläuten Weather Prediction

Data Science Basics: Project Idea

Group 8 (L. Schuler, M. Thalmann, F. Meyer, P. Bucher)

24.10.2019

The **Sechseläuten** is a yearly tradition in Zurich taking place in April, where a straw puppet called **«Böög»** is burned. The head of this puppet is filled with firecrackers. It is said that the faster the head explodes, the better the weather will be in the following summer.

Data Sets

- Böögg burning times
- Historical Monthly Precipitation in Switzerland
- Historical Monthly Temperatures in Switzerland

Böög Burning Times

CSV file, two columns:

1. `year`: 1952-2018
2. `sec.burn`: seconds until Böög's head exploded

Historical Monthly Precipitation in Switzerland

Excel sheet, four columns, three relevant:

1. `pr`: precipitation, probably litres per m^2
2. `Year`: 1901-2015
3. `Month`: 1-12

4. `Country`: CHE (Switzerland)

Location of the weather station is unknown.

Historical Monthly Temperatures in Switzerland

Excel sheet, four columns, three relevant:

1. `tas`: daily average temperature in °C
2. `Year`: 1901-2015
3. `Month`: 1-12
4. `Country`: CHE (Switzerland)

Location of the weather station is unknown.

Research Question

Is there a (negative) correlation between the time it takes for the «Böög's» head to explode and a good weather in the subsequent summer (warm temperatures and low precipitation)?

Related Questions

How could «good weather» be defined on the data sets at hand?

Is there a correlation between precipitation and temperatures?