Project 8: Sechseläuten Weather Prediction

The Sechseläuten is a yearly tradition in Zurich taking place in April, where a straw puppet called «Böögg» 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:	https://www.kaggle.com/kkanders/sechselaeuten/download
Historical Monthly Precipitation in Switzerland:	https://www.kaggle.com/kkanders/historical-monthly-precipitation-inswitzerland/download
Historical Monthly Temperatures in Switzerland:	https://www.kaggle.com/kkanders/historical-monthly-temperatures-inswitzerland/download

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 based on the data sets at hand? Is there a correlation between precipitation and temperatures?