

Data Analysis Project

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Goals

Find connections between ...

- > Negative news headlines and influence on tourism, categorized by:
 - > Political tensions
 - > Terrorism (global)
 - Environmental disaster
 - > Violence/Crime (local)
- > Incoming tourism in a country and wealth of residential population

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The datasets

GDELT 1.0 Event Database

The GDELT event database is an aggregation of news from worldwide media outlets.

> Source : GDELT

Timeframe: 1979 - today (restricted to 2013 to 2018)

> Size : 18.0 GB (compressed)

> Format : CSV

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The datasets - continued

Nights spent at tourist accommodation establishments

The data shows the number of foreign visitors who spent a night at tourist accommodation establishments in the corresponding European country.

Source : Eurostat

> Timeframe: 1990 - 2018 (restricted to 2013 to 2018)

> Size : 634.0 kB (compressed)

> Format : XLS, CSV, TSV

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The datasets - continued

Mean and median income by broad group of citizenship

This dataset contains average income values for European citizens, collected over the last ten years.

> Source : Eurostat

> Timeframe: 2013 - 2018

> Size : 17.4 kB (compressed)

> Format : XLS, CSV, TSV

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Analysis

GDELT 1.0 Event Database

- > Get sentiment of headline based on keywords and compare to given sentiment
- > Categorize data by events (terrorism, disaster, etc.)

EuroStat, Nights spent at tourist accommodation establishments

> Dataset can be imported as is

EuroStat, Mean and median income by broad group of citizenship

> Dataset can be imported as is

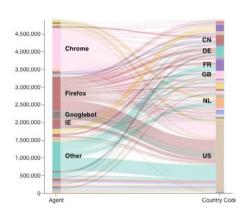
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Expectations

- > Tourism suffers under negative headlines
- Different kind of headlines, produces different effects on tourism, e.g.:
 - > Terrorism has more widespread effect
 - > Environmental disaster have local effect
- Regions of higher wealth experience less tourism

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Visualization





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