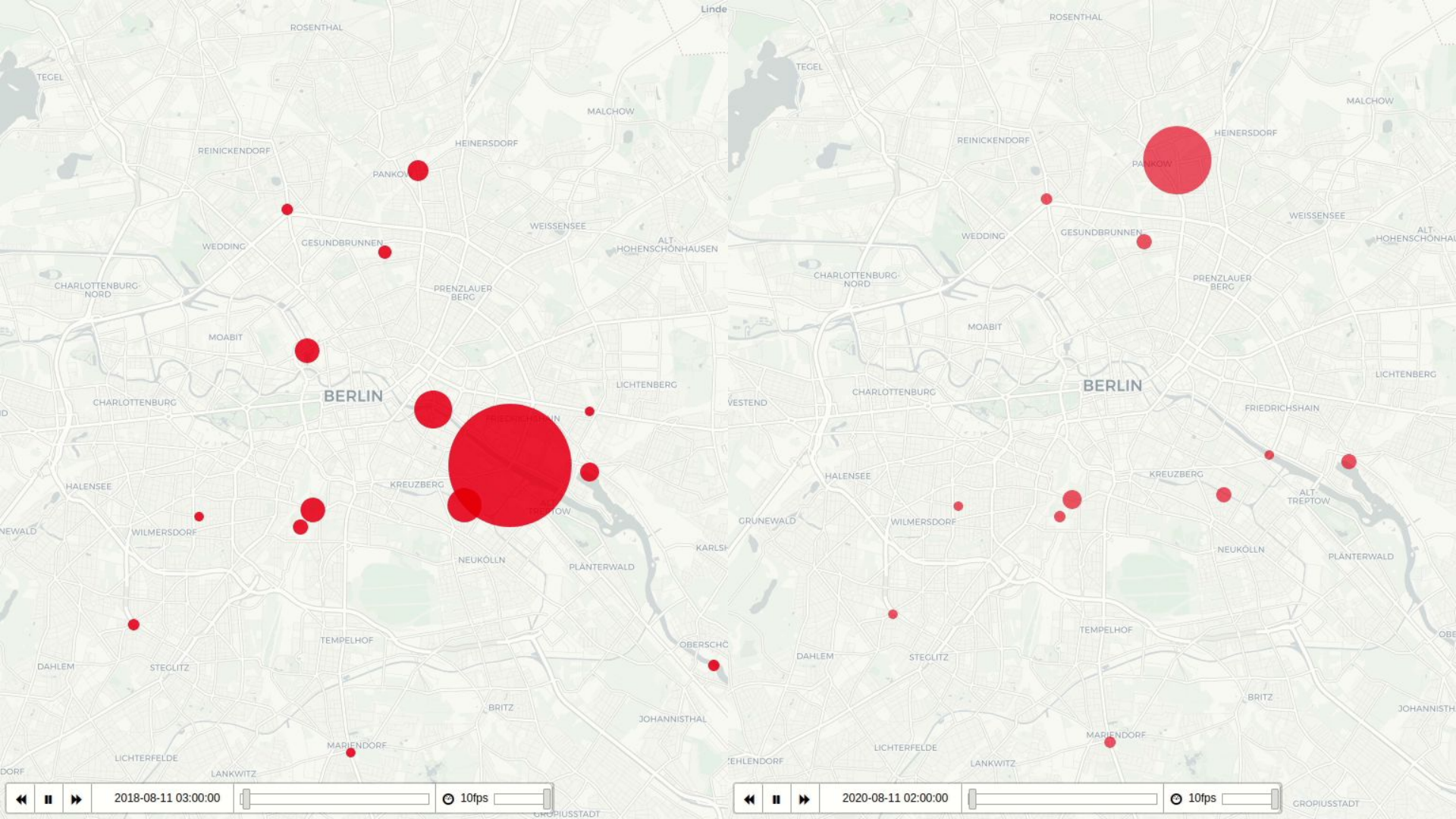




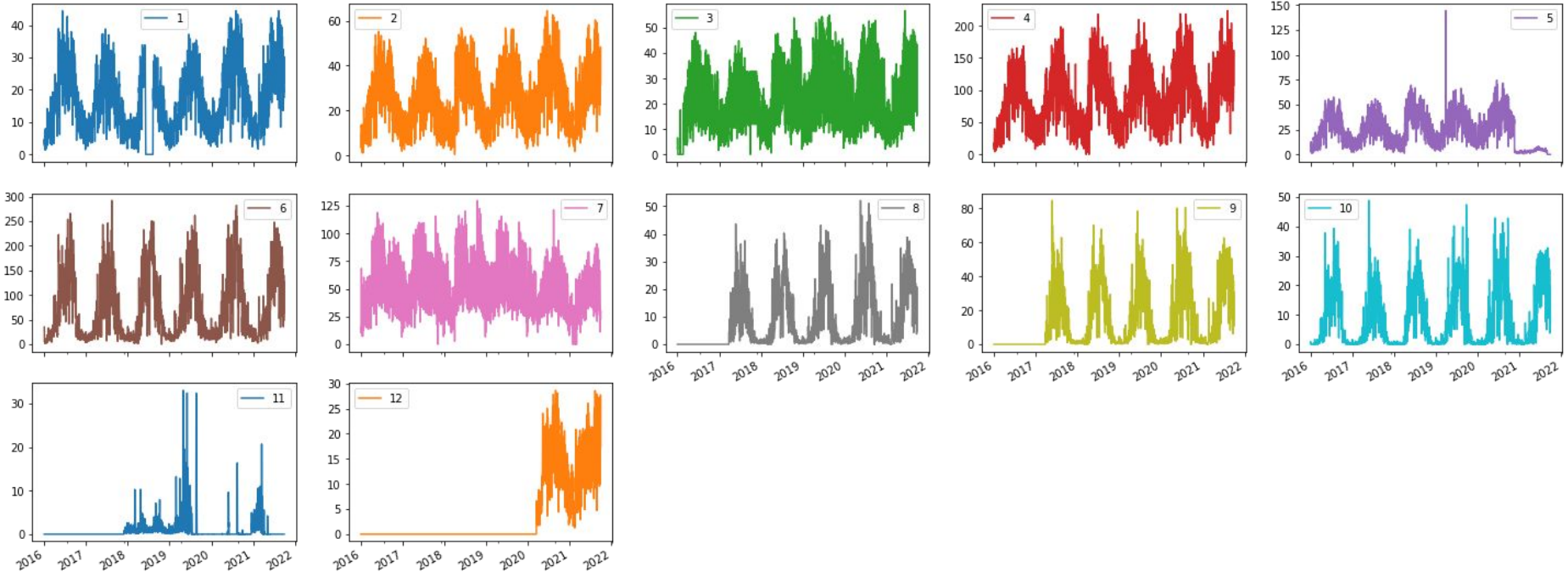
# ADFC - bike countings

data visualisation, trend exploration and clustering



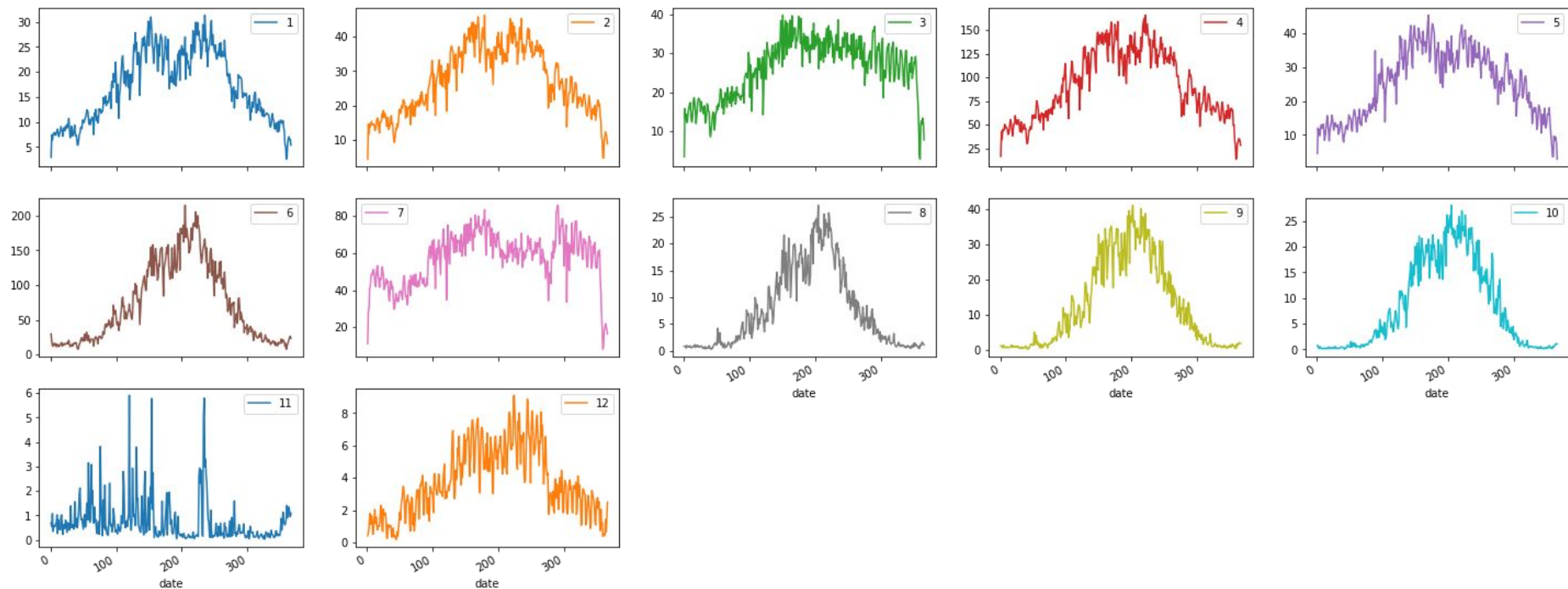
# Average counts over the entire period

Rostock over time



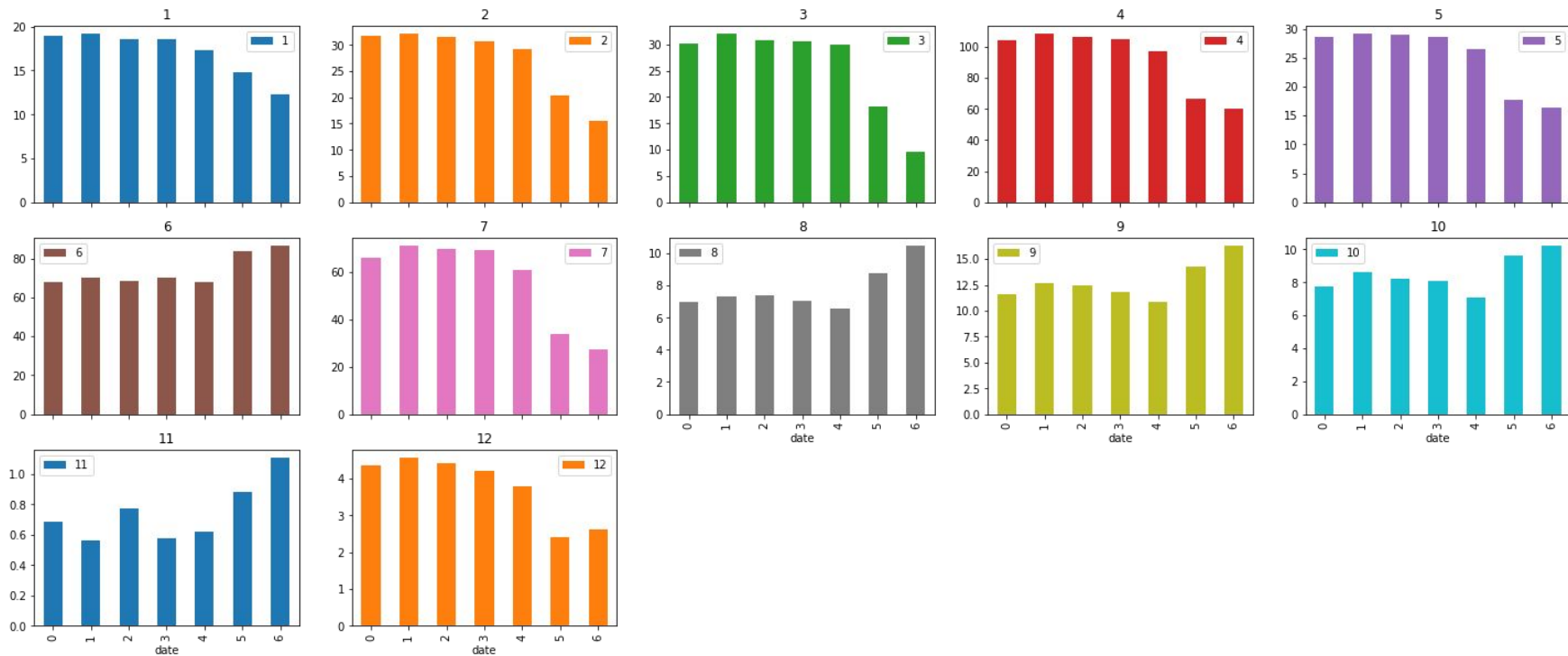
# Average counts over one year

Rostocks average count per day of the year



# Average counts over one week

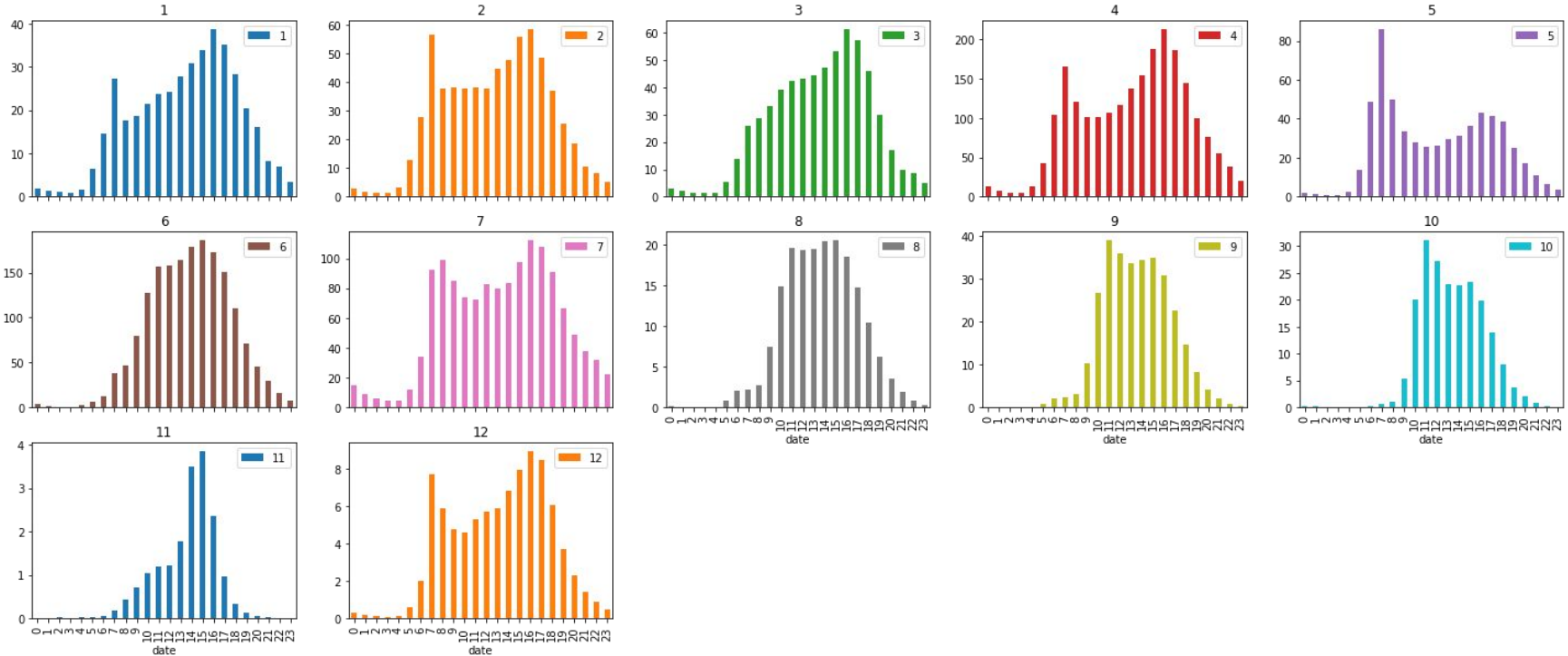
Rostocks average count per day of the week

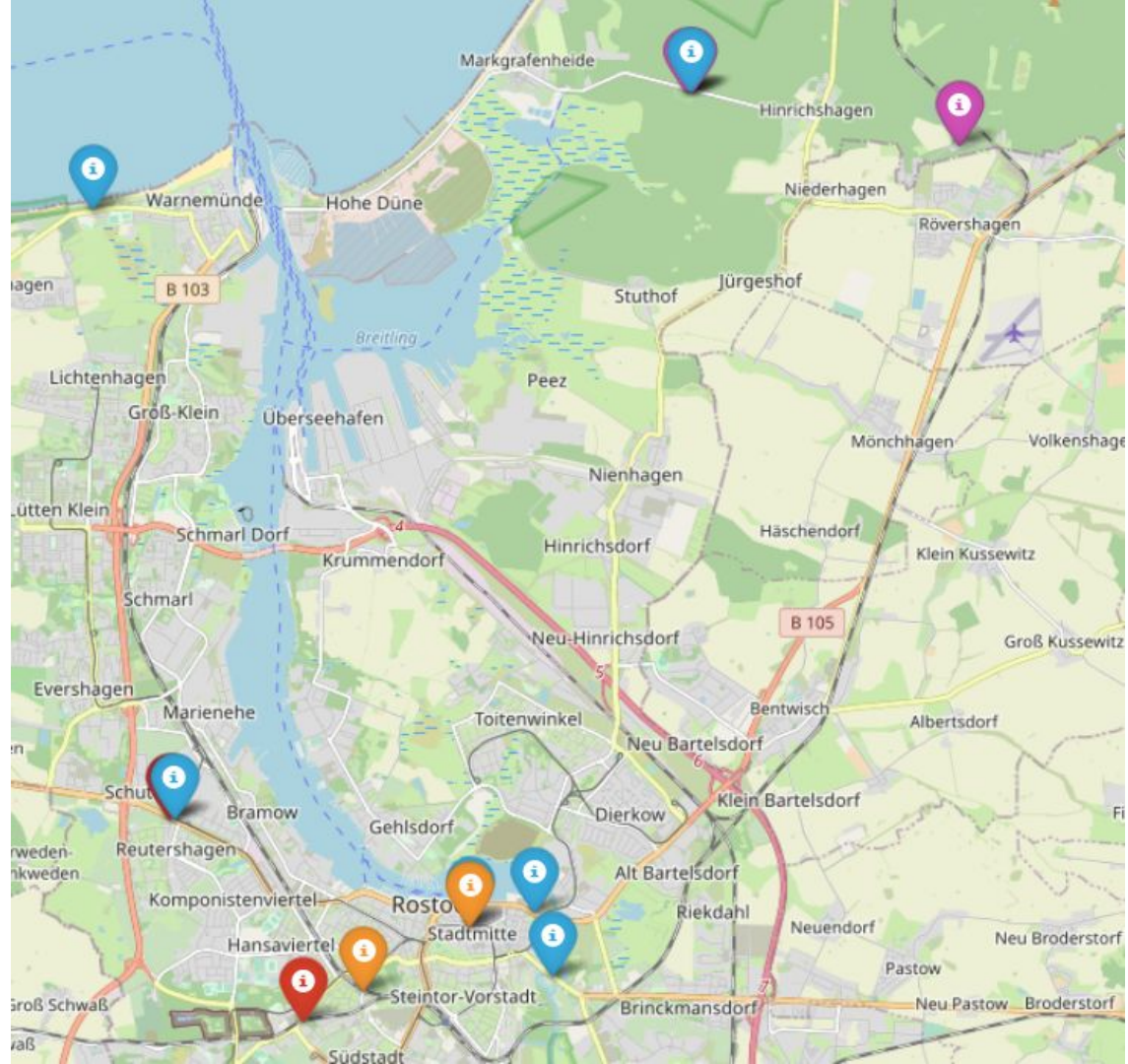




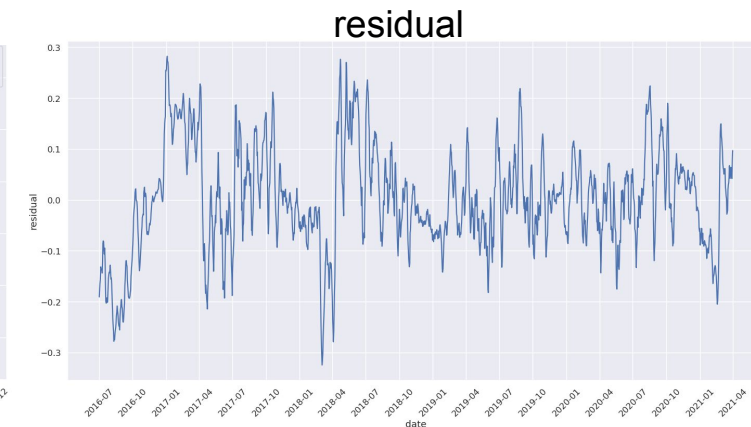
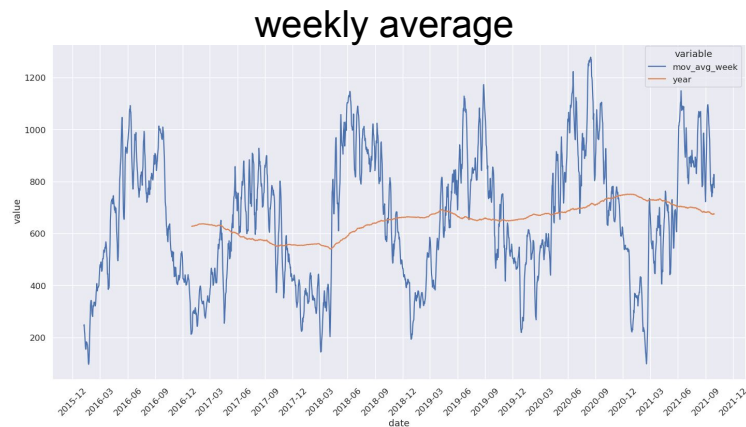
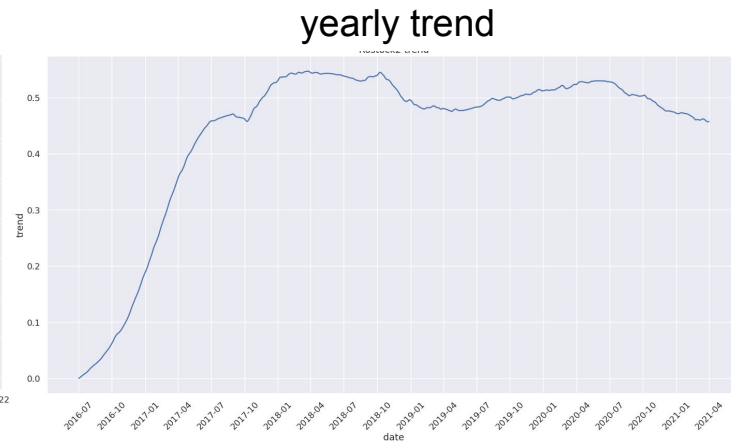
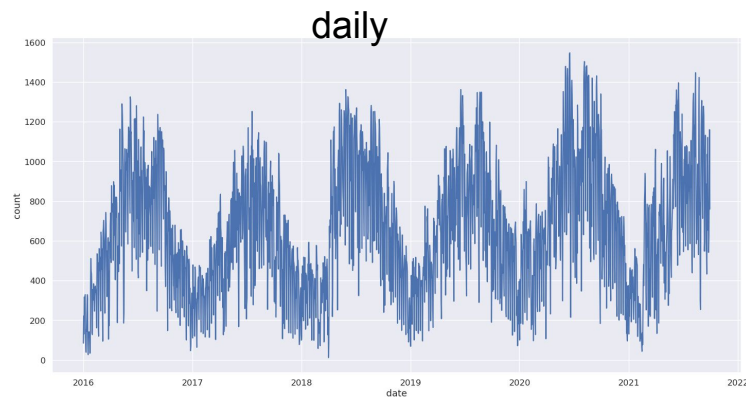
# Average counts over one day

Rostocks average count per hour of the day



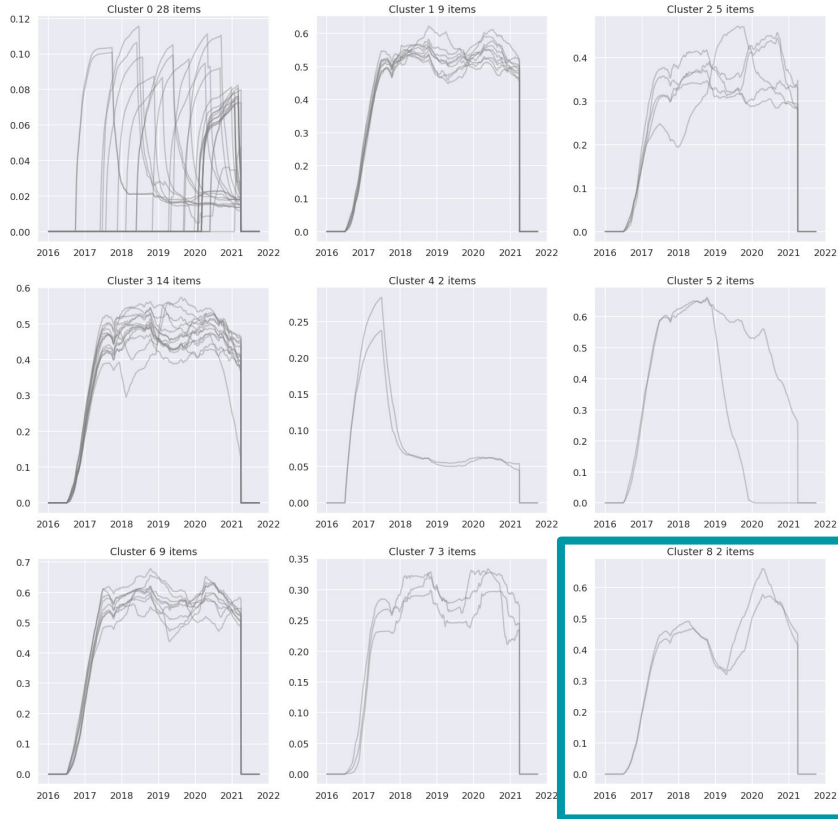


# Series normalization and decomposition





# Similar Time Series / Sensors



- Clustered with KMeans **on yearly trend**
- Cluster 8: Covid increase?
  - Berlin 2
  - Berlin 14

# Dangerous Streets of Berlin

- Bike accidents in Berlin (2018-2020)
- filtered and clustered by distance to the adfc stations
- perspective: compare accident hotspots with bike traffic hotspots

