Analysing positional soccer data

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Introduction

▶ "What are the interactions between players and how does this correlate with ball possessions?"

▶ Analysing position data from WEURO 2017

▶ Started my research with the MoveMine tool

Data

- Three categories:
  - General information about match
  - Events (Goal, Shot, Pass, etc.)
  - Trajectories (X and Y)
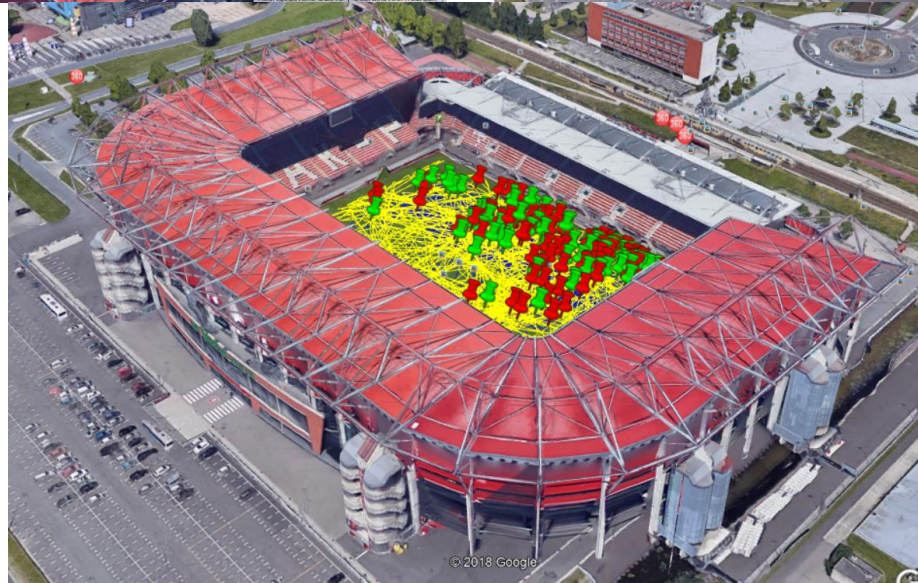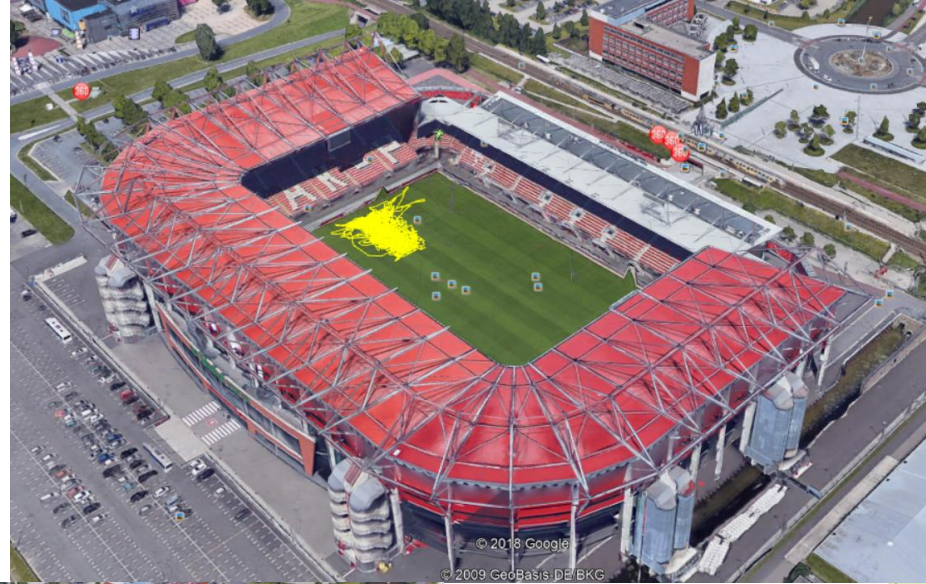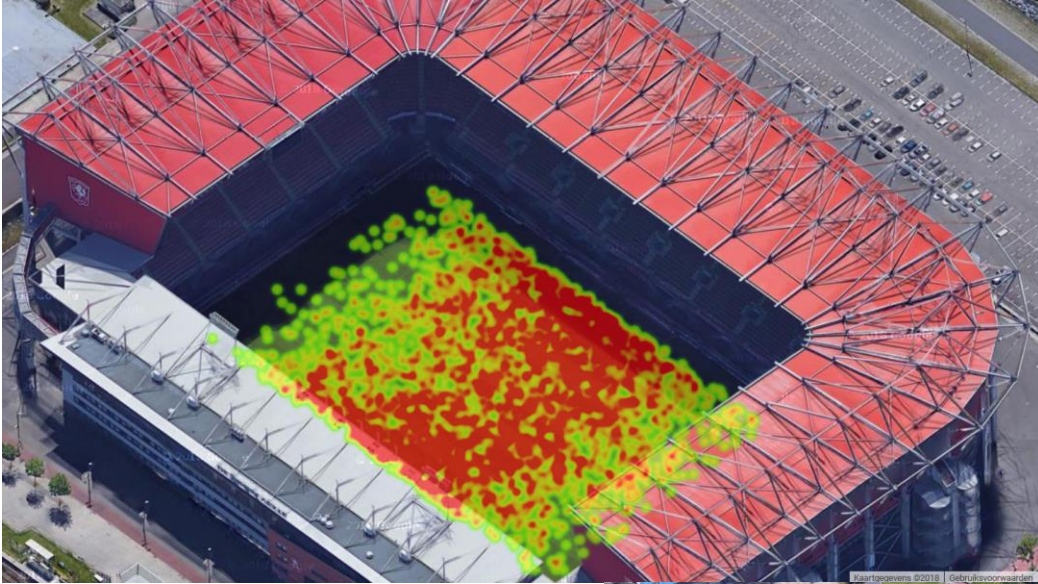
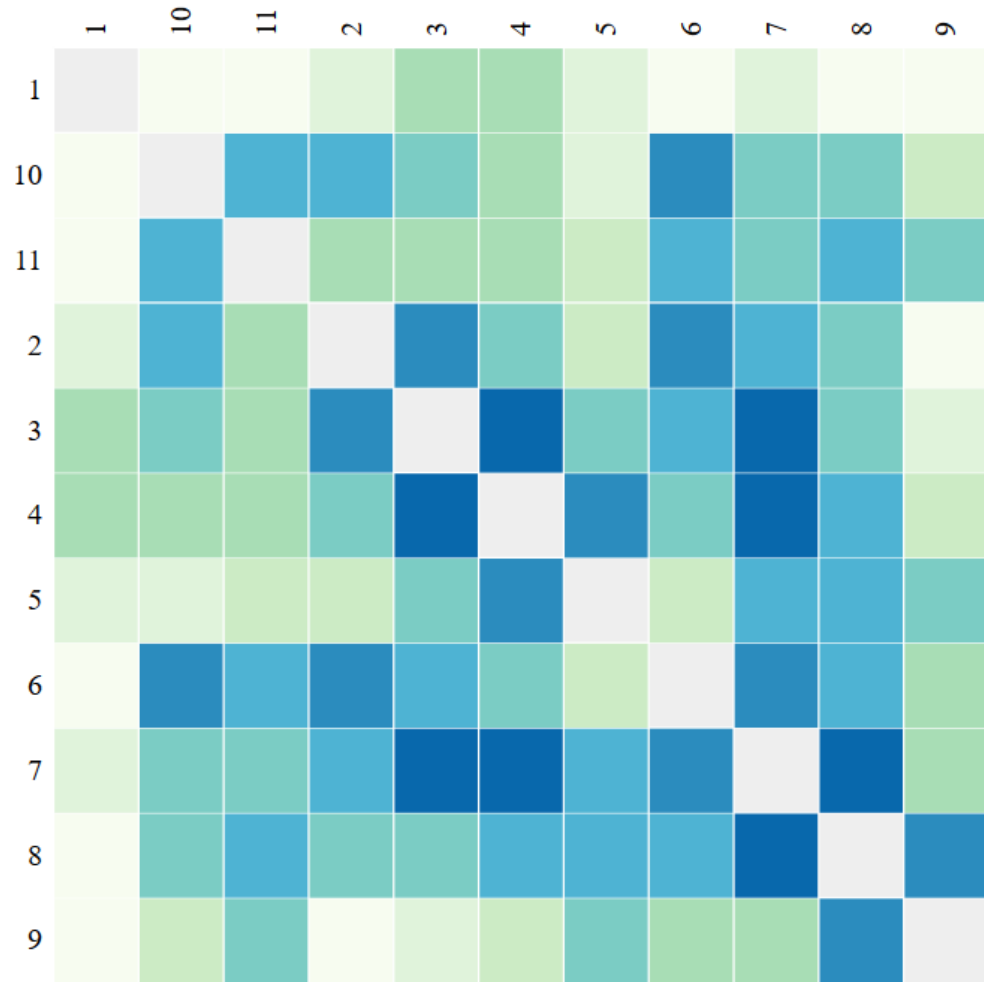- The events and trajectories also have a 'time' attribute

MoveMine
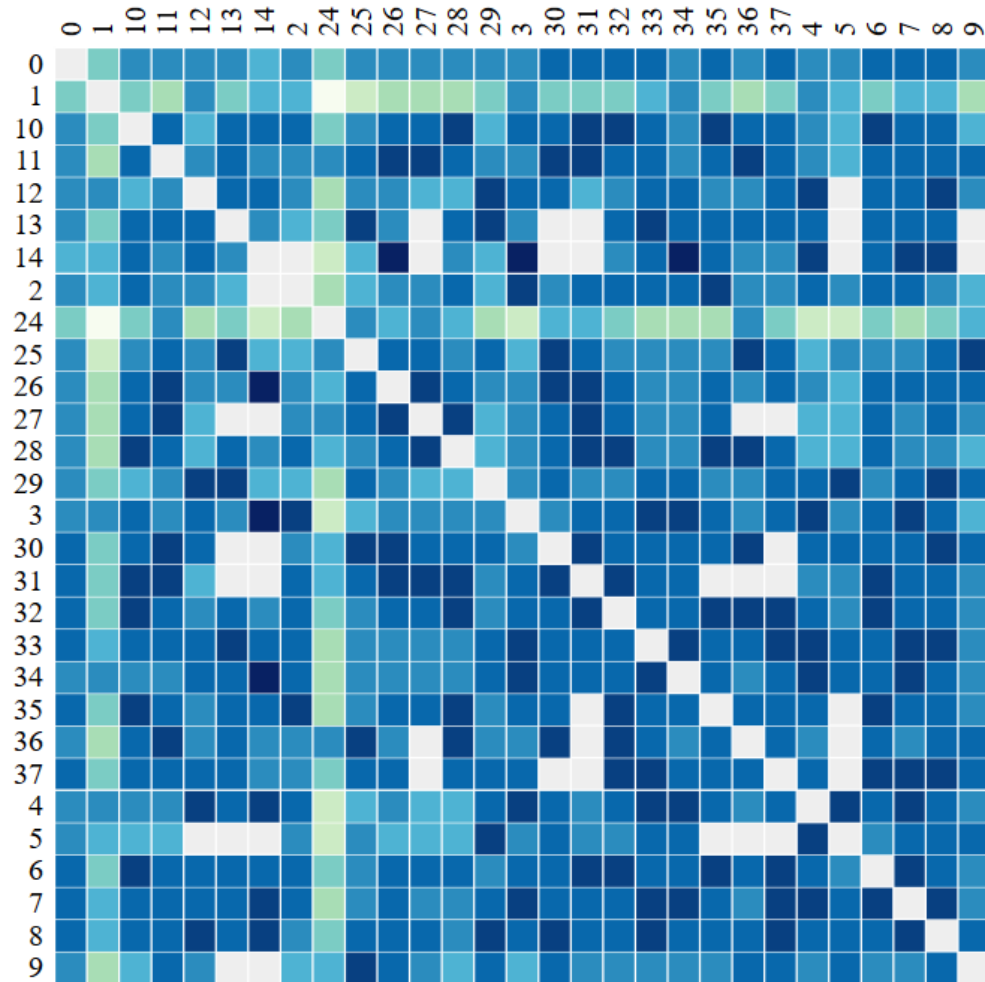
- Different functions:
  - Distance calculation
  - Attraction/avoidance mining
  - Plotting
  - Following mining

- Data needs to be put in the right format
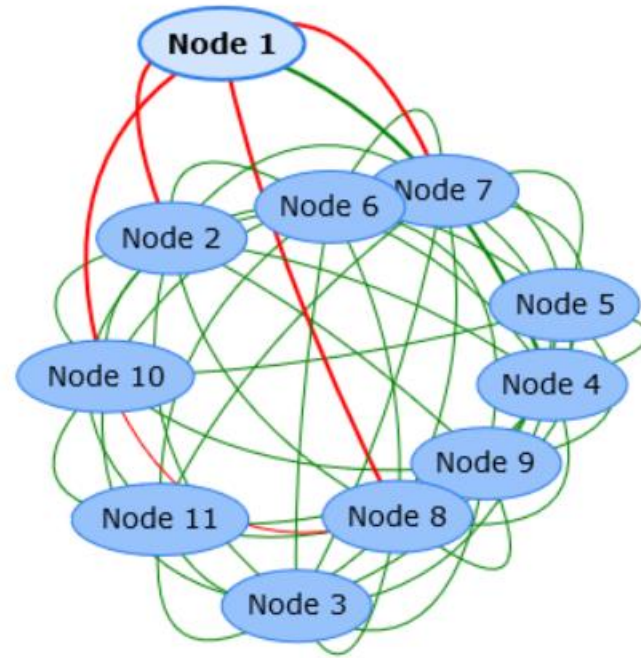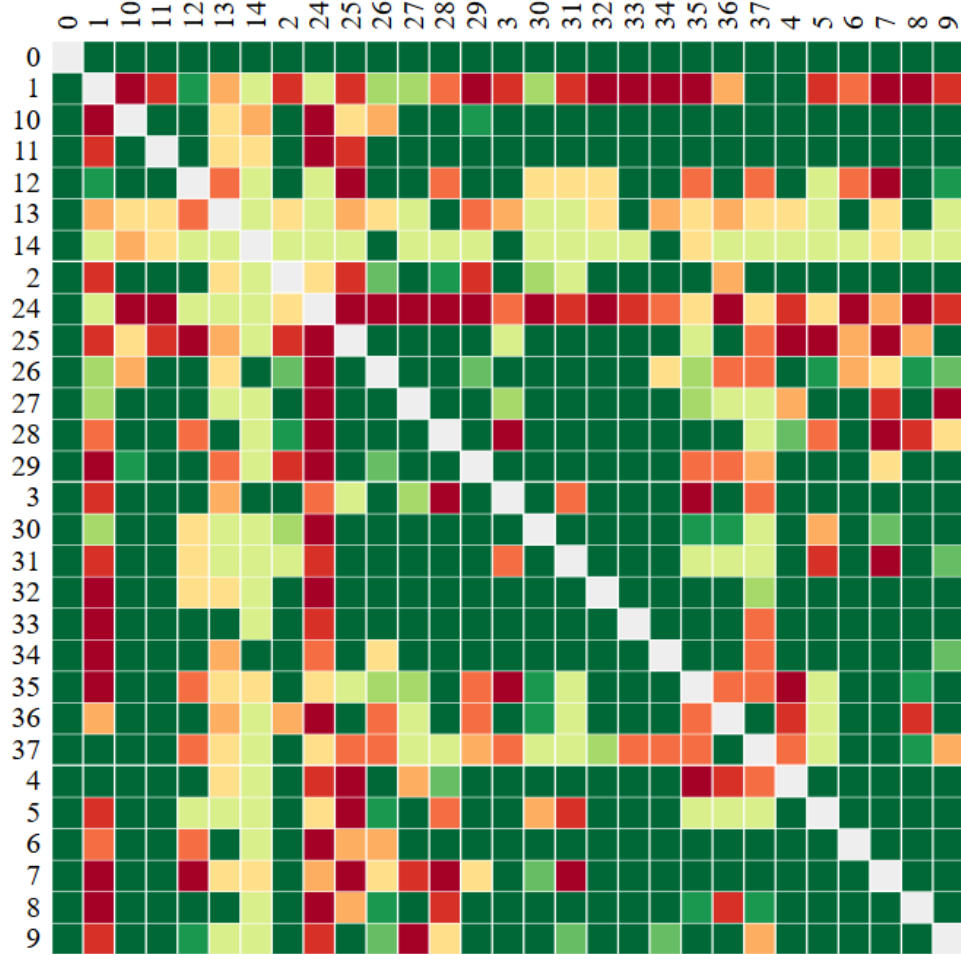 - It needs datetime objects and GPS-coordinates

Plotting examples

Distance calculation examples

Attraction/Avoidance examples

Conclusion

- I have more insight in the data and extracted a few features with MoveMine

- Now, the real analysis has to start, based on those features