

Mobility Pattern and Event Detection Using Twitter Data

ADA final project presentation

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Introduction

The aim of this project is to:

- extract information from tweets
- understand human mobility patterns
- detect important events

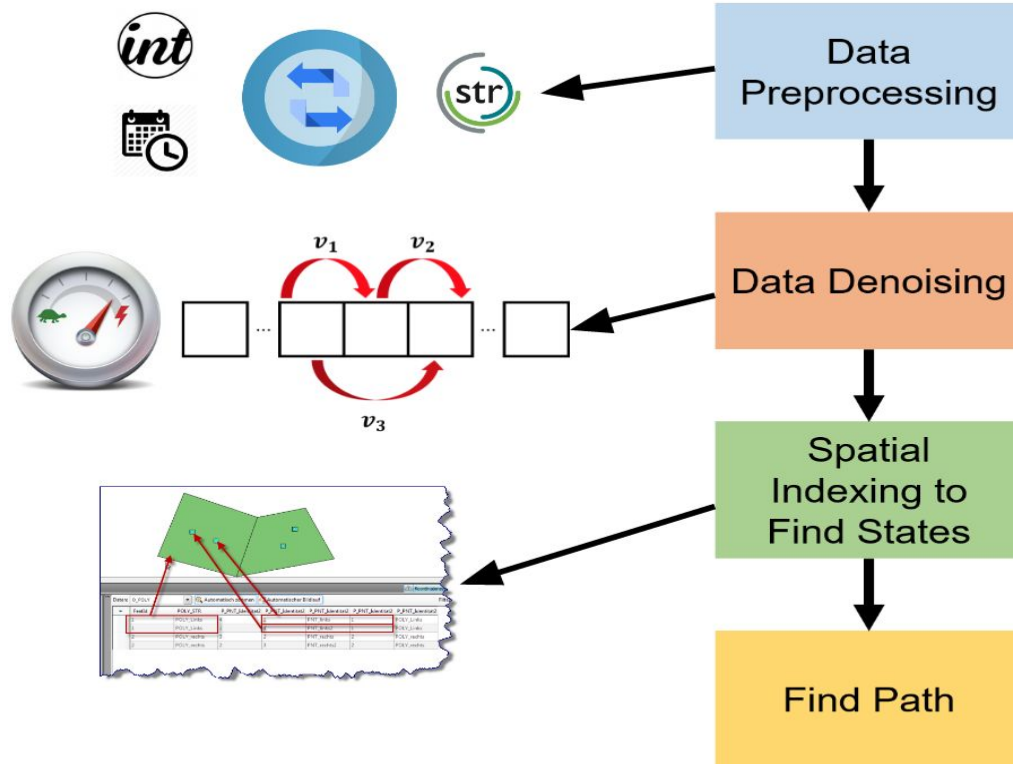


Main assumptions:

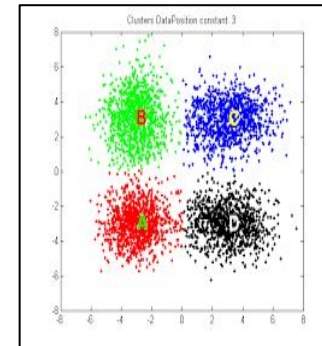
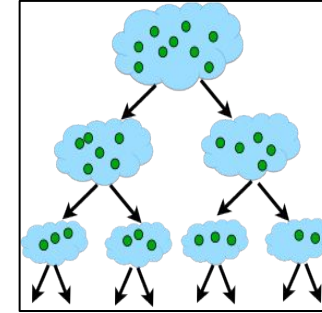
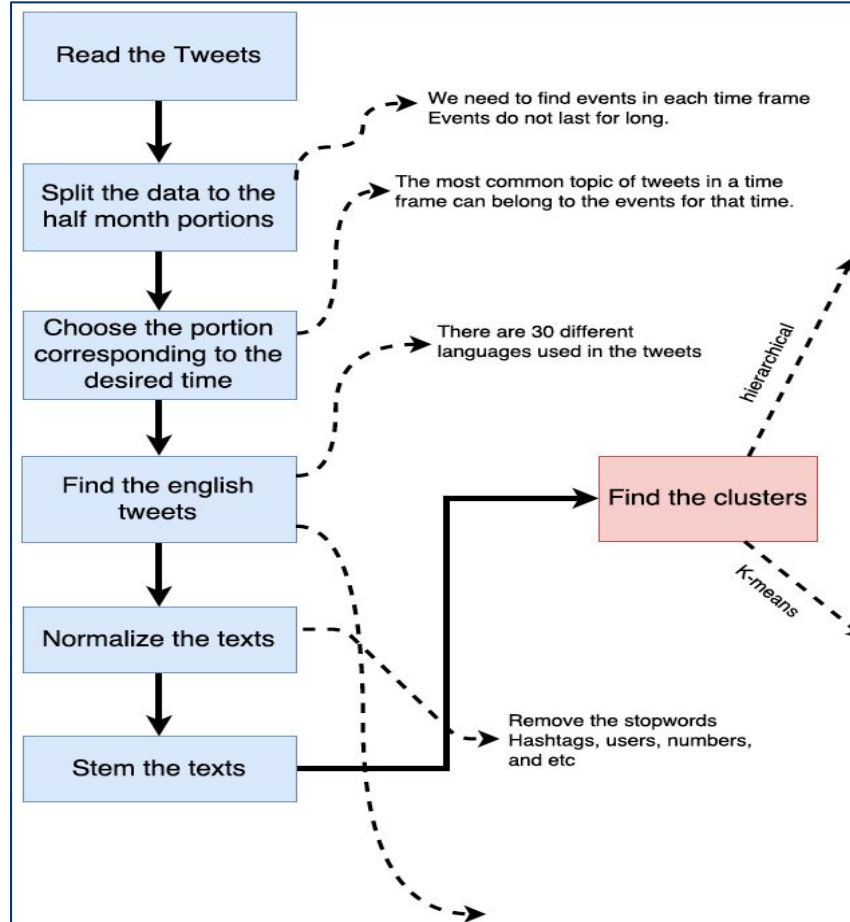
1. We consider active users for mobility detection
2. We consider English tweets from 2016 for event detection

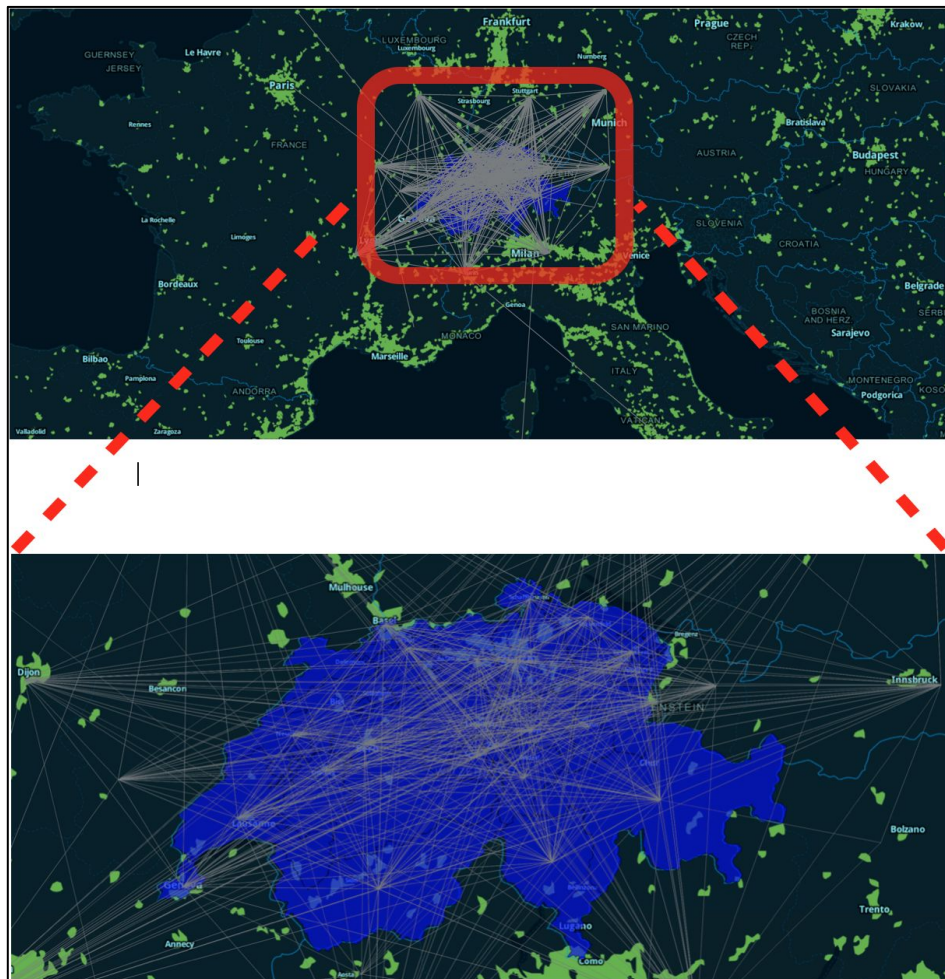
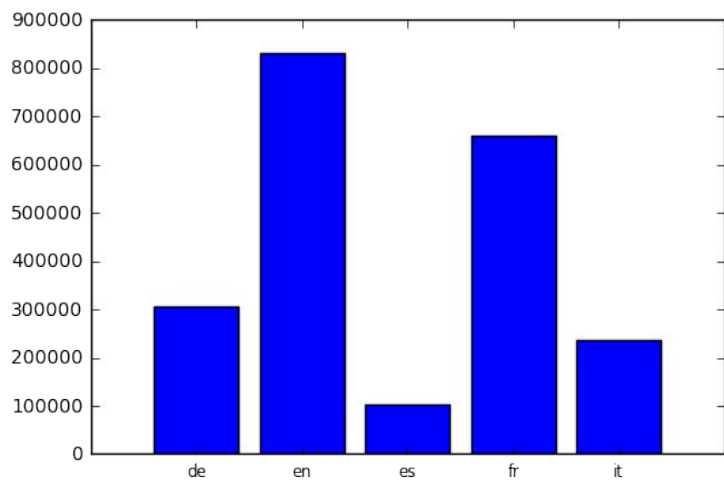
Mobility pattern

Flow Chart:



Event detection





Bibliography

- [1] Ifrim, Georgiana, Bichen Shi, and Igor Brigadir. "Event detection in twitter using aggressive filtering and hierarchical tweet clustering." Second Workshop on Social News on the Web (SNOW), Seoul, Korea, 8 April 2014. ACM, 2014.
- [2] Jurdak, Raja, et al. "Understanding human mobility from Twitter." PloS one 10.7 (2015): e0131469