Contribution Title⋆

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Zusammenfassung. The abstract should briefly summarize the contents of the paper in 150–250 words.

Schlüsselwörter: First keyword · Second keyword · Another keyword.

1   Introduction

Einführung in das Thema[1]
Problemstellung / Fragestellung
Lösungswege

2   Literature Synthesis

Vergleichsliteratur zu restaurant daten, yelp
Was wurde gemacht, was ist gut / schlecht gewesen, was Machen wir anders / besser
4-5 Sätze zur Literatur

3   Material and Methods

3.1   Usecase Description

SCHULPS sind Investoren und haben bereits mehrere Restaurants weltweit geöffnet. Standorte gibt es bisher in den USA, in Indien, etc. Dabei sind die Speisekarten aber nicht identisch, sondern passen sich an die jeweiligen Kulturen des Landes an. Nun möchten Sie sich auch in Deutschland festsetzen und erst einmal ein Restaurant erö-ffnen. Auf einen Standort sind sie dabei nicht festgelegt. Voraussetzung ist, dass das Restaurant einen monatlichen Umsatz von 40.000 € erreicht.

3.2   Data Processing Pipeline

In the following its about the data processing pipeline. Data sources. First of all, there was a discussion about the key figures, that can help to analyze all about restaurants. In a brainstorming session we came to the conclu-sion to get at least one review online platform, e. g. yelp, tripadvisor, google or face-book. After a quick check we have chosen to get the yelp data for Germanys restau-rants. Furthermore we have found other key figures, that can have significant influence on the restaurant data. We found a CSV-File which includes all kind of cities in Germany with their population. On top we found CSV-Files for buying power and rent average for Germanys cities. Data Ingestion. For collecting the yelp data

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we used the yelp API. Therefor we wrote a script with python. In the following you can some code: Data Storage. As a storage we used the Google Gloud Platform. All mentioned files were collected in the so called Datastore. Then we set up a PostgreSQL instance. It was necessary to put your ip-address for authorization. Data Cleaning. The was a lot of cleaning activities to do. Not all cities from the yelp data were mentioned in the City CSV. The buying power CSV did not include all Cities from the City CSV. Therefor we used the average value of the buying power to fill the empty entries. The price range column from the yelp data had also a lot of empty fields. Those we filled with the average value of €€. Others... Data Analysis. Pseudocode von Algorithmus vorstellen, step by step.

4 Results

4.1 Analysis

4.2 Visualizations

5 section name

Discussion
    15-20 Zeilen
    Vergleich zu bisherigen Algorithmen Gab es Ausreißer, die nicht untersucht wurden?
    Offene Probleme?
    Ausblick

Literatur

1. Data, N.O.: Our mission: open data for all (2017), https://opendata.cityofnewyork.us/overview/