

# Where to visit to in Germany

## *Introduction*

### **Background**

I moved from London to Stuttgart a few years ago, for work reasons. At the time I knew very little about Stuttgart and I still know very little about other cities in Germany and would like to visit more cities to explore them.

Given that I like cycling and running, and I like to eat lots to fuel the activities, I would like to see which cities provide good cycling and running opportunities as well as a variety of restaurants offering different international cuisine.

### **The problem**

Create a shortlist of cities in Germany to visit. The short-list should include cities that have a wide range of international cuisine and some good running and cycling opportunities.

### **Target audience**

With the growth of people taking 'active' holidays, especially cycling and running, this would be a good tool to explore places to visit in Germany.

## **Data**

### **German Cities**

The long-list of cities will come from the German definition of a Großstadt, which is one with a population of more than 100,000. There is a list of these cities on wikipedia.

[https://en.wikipedia.org/wiki/List\\_of\\_cities\\_in\\_Germany\\_by\\_population](https://en.wikipedia.org/wiki/List_of_cities_in_Germany_by_population).

This data contains latitude and longitude but will need to be wrangled as it is presented as Degree Minutes Seconds (DMS) pairs and not as decimal values

### **Restaurants**

Foursquare offers information about different venues around a location I will use this to identify restaurants with different types of cuisine, e.g italian restaurants, japanese restaurants etc.

I will need to identify food venues and keep only these, discarding other venues such as museums or shops.

### **Running and cycling segments**

Strava is an App that allows users to upload sporting activities. Users can create 'segments' which are short stretches of running or cycling routes. Users compete over these segments. From the Strava API information about the segments can be found such as the gradient and length. This will be used to identify good running and cycling opportunities.