

How is the similarity between Taipei and Kaohsiung?

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1. Introduction

1.1. Background

Taipei and Kaohsiung are both well-known cities in Taiwan. Taipei locates in the north side, and Kaohsiung is the south side of Taiwan. This report is going to find the similarity and differences between the two cities.

1.2. Problem

But do we know how similar are those two cities? People in Taiwan always have a common concept that Taipei is more convenient and modern than Kaohsiung. But it is true or just a common misunderstanding? To find out the answer there are very features we can use to dig into.

1.3. Interest

In this report, we based on the diversity of point of interests to be the feature and compare those two cities

and figure out if those two cities are similar or have huge differences. And expect to propose a common method to compare not only those two cities, but also can apply to all well known cities all over the world.

2. Data acquisition and cleaning

2.1. Data Source

2.1.1. List of Taiwan boroughs

- Description: Information of Taiwan Postal Codes from Wikipedia
- URL: https://en.wikipedia.org/wiki/Postal_codes_in_Taiwan

2.1.2. Open Data Government

- Description:
- Source: Open Data Government
- URL : <https://data.gov.tw/en>

2.1.3. Taipei government data

- Description: Taipei Government Dataset
- URL : <https://dbas.gov.taipei/News.aspx?n=B4DB0AB5B60076A7&sms=E70C3C28CFAA4239>

2.1.4. Kaohsiung government data

- Description: Kaohsiung Government Dataset
- URL : <https://data.kcg.gov.tw/dataset/>

2.1.5. Foursquare API

- Description: Retrieve the point of interests information.
- URL :<https://developer.foursquare.com/docs/api/venues/details>