

# taipei\_shop\_rent\_cost

October 11, 2020

## 1 Taipei Shop Rent Cost

In this analysis, we would like to estimate how much it cost to open a business in each area. We would estimate the cost of opening each area which we will use

- **Store rent data**, 3,063 from from [591.com.tw](http://591.com.tw) (nov 2020) for all of the store in Taipei. We do web scrapping on the site for shop monthly rent cost and shop coordinate data.

We would estimate opening cost with the data through:

- **Getting average rent cost per village detail.**

### 1.1 Estimate the cost through average rent price per village

We will use the rent price to estimate the opening business cost. In this data we would do:

- **Make rent price equal one another shop**, we only use the shop that is on the first floor and get the rent price per 3.3 square meter (called *ping*).
- **Getting rent average per village area**. We would aggregate them by village and get the average rent cost per village

#### 1.1.1 Data Table

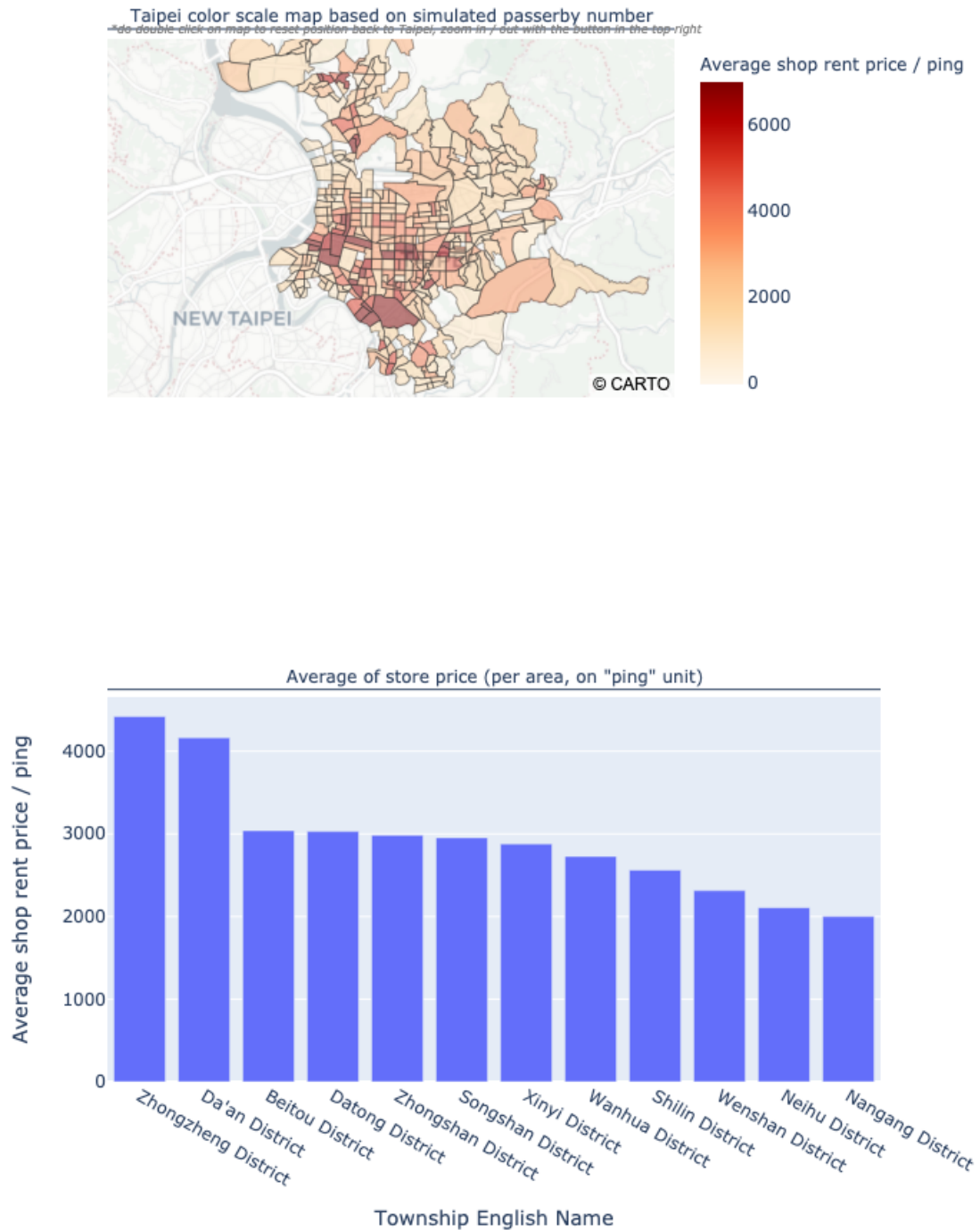
After getting the average, here how the data table looks like.

here is the example of the table:

	village_code	village_english_	township_english_	monthly_shop_
		name	name	rent_average_
				per_ping
0	63000080031	Zhangxin Vil.	Wenshan District	nan
1	63000080037	Laoquan Vil.	Wenshan District	nan
2	63000080032	Zhangjiao Vil.	Wenshan District	nan
3	63000080041	Zhangwen Vil.	Wenshan District	1337.7
4	63000080043	Zhangshu Vil.	Wenshan District	1633.33

### 1.1.2 Data Visualization

Here is how the data looks like:



### 1.1.3 Analysis

Analysis about the cost of opening shop in Taipei:

- **It is expensive to open a shop in mid-west Taipei area.** On average it is 50%-100% more expensive compare to other area.