Data report

I. introduction

Taobao is the website where auctions in different categories and diverse provinces in China could take place. This project aims to investigate the potential trends in the number of auctions that take place on this website. The data about number of auctions on Taobao, with the variables keeping records of location, type, and status, is scrapped from the website of AliBaba.

II. Body

i. description of data

The data is saved as csv file with columns being type, location (province in China), status of auction, and number of auctions, respectively. There are 22 types of auction from commercial apartment to jewelry, 32 different locations in China including provinces and districts, 6 status of auctions including but not limited to the ongoing and terminated ones.

ii. methodology

To do the website scrapping data collection, the selenium package in python has been used. The program makes the website keep refreshing and collects the corresponding number of auctions with the help of chrome driver.

III. Discussion (first glance)

Taking the distribution of auction in residential real estate as an example, as shown in figure 1, the number of auctions in residential real estate in the eastern China is much greater than that in the western China. This finding could be associated with the fact of differentiating economic growth in eastern and western China.

A more detailed analysis of the data will be provided later with conclusive figures for different types of auctions.

IV. Appendix (some figures that can be used for further analysis)

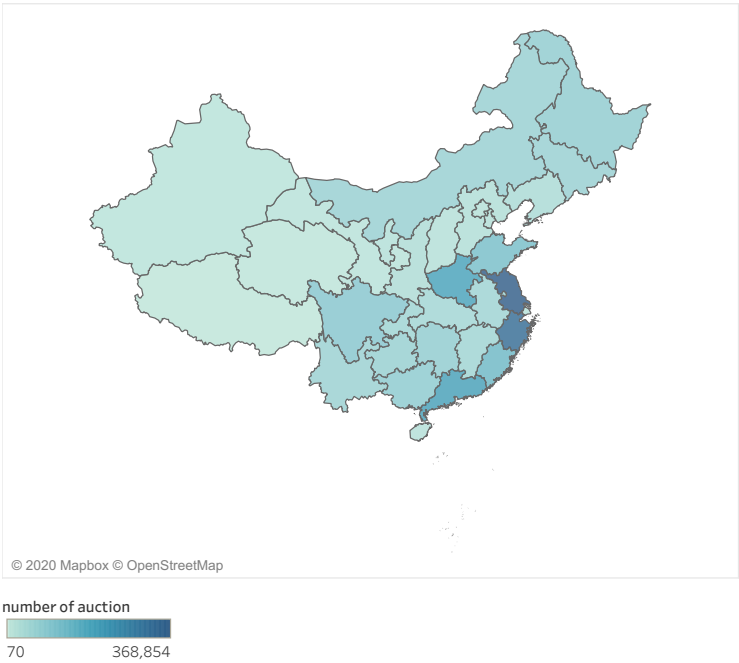Figure 1: the map of auction in residential real estate on Taobao in China



© 2020 Mapbox © OpenStreetMap

number of auction

70                368,854

Figure 2: the distribution of auction in residential real estate on Taobao in China



number of auction
| 70
| 100,000
| 200,000
| 300,000
| 368,854
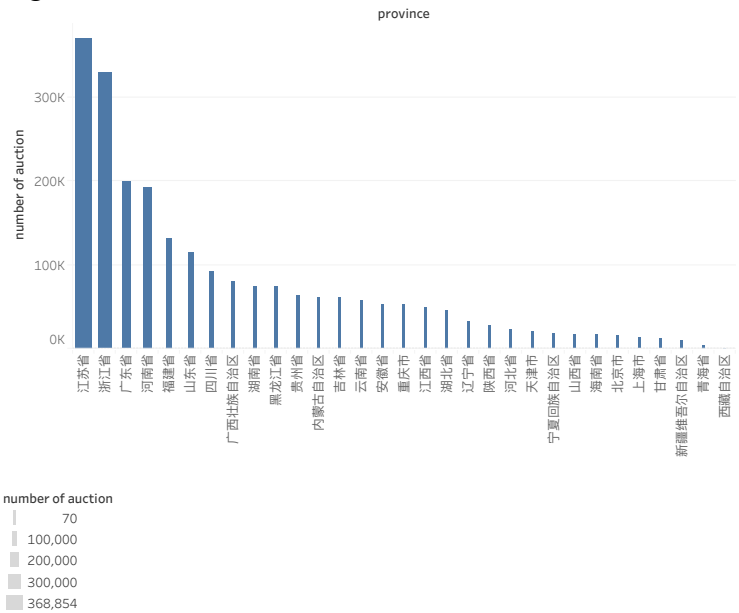
Figure 3: the map of auction in bonds on Taobao in China
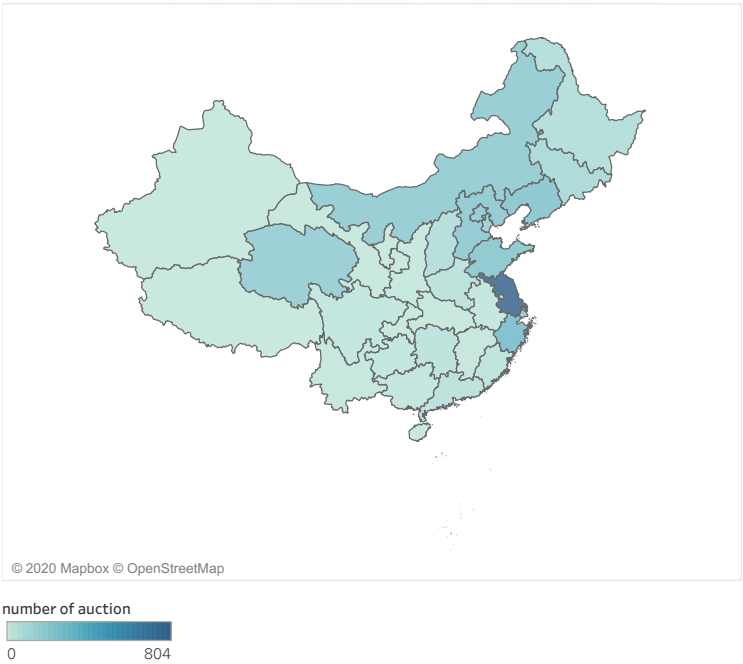


number of auction

0          804

Figure 4: the distribution of auction in bonds on Taobao in China



number of auction

0
200
400
600
804