**House Price Prediction**

**Problem Description**

Using the house price data in the last three years, the students are required to predict the average house price (RMB/) of November and December for each district in Beijing, Shanghai, Guangzhou, and Shenzhen.

**Evaluation Metric**

Mean squared error

**Data source**

For each house, we provide monthly price and the corresponding attributes including location, e.g. Haidian district, Beijing, developer, size, and etc.

The auxiliary data for the period up to October is allowed. The data will be available soon.

**Supplement**

Please refer to the following table which shows the districts information for each city. You are only required to consider the following districts. Moreover, for the specific houses, multiple records may exist for each month.

楼盘信息数据（House\_info\_data.csv）中，同一城市下的部分区域是该城市的卫星城市（如：东莞相对于深圳），这些数据仅供参考。待预测的目标区域请参考国家行政区域划分（即北京，上海，深圳，广州的直接下属区域），不考虑这些卫星城市。

楼盘价格信息数据（House\_price\_data.csv）中，对于同一楼盘的价格信息，每月可能有多条数据。

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| --- | --- | --- | --- |
| 北京（Beijing） | 上海市（Shanghai） | 广州（Guangzhou） | 深圳（Shenzhen） |
| [东城区](http://baike.baidu.com/view/138823.htm) | [黄浦区](http://baike.baidu.com/view/90491.htm) | [越秀区](http://baike.baidu.com/view/113247.htm) | [福田区](http://baike.baidu.com/view/20849.htm) |
| [西城区](http://baike.baidu.com/view/138826.htm) | [徐汇区](http://baike.baidu.com/view/51454.htm) | [荔湾区](http://baike.baidu.com/view/329980.htm) | [罗湖区](http://baike.baidu.com/view/33834.htm) |
| [朝阳区](http://baike.baidu.com/view/138836.htm) | [长宁区](http://baike.baidu.com/view/90489.htm) | [海珠区](http://baike.baidu.com/view/679298.htm) | [南山区](http://baike.baidu.com/view/499091.htm) |
| [丰台区](http://baike.baidu.com/view/281721.htm) | [静安区](http://baike.baidu.com/view/90495.htm) | [天河区](http://baike.baidu.com/view/432697.htm) | [盐田区](http://baike.baidu.com/view/837358.htm) |
| [石景山区](http://baike.baidu.com/view/193730.htm) | [普陀区](http://baike.baidu.com/view/289866.htm) | [白云区](http://baike.baidu.com/view/847783.htm) | [宝安区](http://baike.baidu.com/view/151993.htm) |
| [海淀区](http://baike.baidu.com/view/138838.htm) | [虹口区](http://baike.baidu.com/view/193779.htm) | [黄埔区](http://baike.baidu.com/view/847955.htm) | [龙岗区](http://baike.baidu.com/view/947157.htm) |
| [顺义区](http://baike.baidu.com/view/1244149.htm) | [杨浦区](http://baike.baidu.com/view/90483.htm) | [番禺区](http://baike.baidu.com/view/711438.htm) | [龙华区](http://baike.baidu.com/subview/1364232/20850460.htm) |
| [通州区](http://baike.baidu.com/view/39339.htm) | [浦东新区](http://baike.baidu.com/view/288686.htm) | [花都区](http://baike.baidu.com/view/847883.htm) | [坪山区](http://baike.baidu.com/item/%E5%9D%AA%E5%B1%B1%E5%8C%BA) |
| [大兴区](http://baike.baidu.com/view/193633.htm) | [闵行区](http://baike.baidu.com/view/290567.htm) | [南沙区](http://baike.baidu.com/view/847886.htm) |  |
| [房山区](http://baike.baidu.com/view/368652.htm) | [宝山区](http://baike.baidu.com/view/114591.htm) | [增城区](http://baike.baidu.com/view/12110394.htm) |  |
| [门头沟区](http://baike.baidu.com/view/193726.htm) | [嘉定区](http://baike.baidu.com/view/193782.htm) | [从化区](http://baike.baidu.com/view/12110387.htm) |  |
| [昌平区](http://baike.baidu.com/view/138845.htm) | [金山区](http://baike.baidu.com/view/193784.htm) |  |  |
| [平谷区](http://baike.baidu.com/view/965062.htm) | [松江区](http://baike.baidu.com/view/450884.htm) |  |  |
| [密云区](http://baike.baidu.com/item/%E5%AF%86%E4%BA%91%E5%8C%BA) | [青浦区](http://baike.baidu.com/view/452580.htm) |  |  |
| [怀柔区](http://baike.baidu.com/view/281744.htm) | [奉贤区](http://baike.baidu.com/view/290558.htm) |  |  |
| 延庆区 | [崇明区](http://baike.baidu.com/item/%E5%B4%87%E6%98%8E%E5%8C%BA) |  |  |