

一、准备工具

1、<https://github.com/rtbigdata/geojson-mongo-import.py>

安装python

sudo easy_install pip

【这里如果问题需要执行sudo chown -R \$USER /Library/Python/2.7/site-packages/pync

pip install pymongo

2、<https://mapzen.com/data/borders/>

下载地图数据(Mapzen discontinued Borders on October 14th, 2016.)

关注：admin_level_4 / admin_level_5 / admin_level_6 的数据，拷贝到456目录下

准备导入osm中的geo_osm中

3、编辑脚本【insertdb.sh】

设为可执行，并执行之，直到完成

sh ./insertdb.sh

开始执行 ./china/456/admin_level_4.geojson

Number of Features successully inserted: 36

开始执行 ./china/456/admin_level_5.geojson

Number of Features successully inserted: 335

开始执行 ./china/456/admin_level_6.geojson

Number of Features successully inserted: 2846

4、检查数据。

选取1个点：【109.433671,24.350483】

mongo_script/check_pointindb.js

```
db.getCollection('geo_osm').find({
    'properties.admin_level':{$in:['4','5','6']},
    geometry:
    {
        $geoIntersects:
        {$geometry:{ "type" : "Point",
            "coordinates" : [109.433671,24.350483] }
        }
    }
})
```

```
});
```

localhost localhost:27017 osm

```
db.getCollection('geo_osm').find({
  'properties.admin_level':{$in:['4','5','6']},
  geometry:
    {
      $geoIntersects:
        {
          {geometry:{ "type" : "Point",
                      "coordinates" : [109.433671,24.350483] }
          }
        }
    }
});
```

geo_osm 0.06 sec.

Key	Value
▼ (1) ObjectId("5a2b9b19b5c9eb03995da46a")	{ 7 fields }
_id	ObjectId("5a2b9b19b5c9eb03995da46a")
name	城中区 (Chengzhong)
geometry	{ 2 fields }
properties	{ 7 fields }
osm_type	relation
type	Feature
id	4586929
▼ (2) ObjectId("5a2b9b0db5c9eb0396e33da8")	{ 7 fields }
_id	ObjectId("5a2b9b0db5c9eb0396e33da8")
name	柳州市 / Liuzhou
geometry	{ 2 fields }
properties	{ 12 fields }
osm_type	relation
type	Feature
id	2774469
▼ (3) ObjectId("5a2b9b09b5c9eb03920c9eb2")	{ 7 fields }
_id	ObjectId("5a2b9b09b5c9eb03920c9eb2")
name	广西壮族自治区
geometry	{ 2 fields }
properties	{ 21 fields }
osm_type	relation
type	Feature

打印数据

1、mongo_script/check_geodata.js

```
var cursor = db.getCollection('geo_osm').find({});
```

```
while(cursor.hasNext()) {
```

```
  x = cursor.next();
```

```
  print(x['_id']+'\t'+x['properties']['admin_level'] + "\t" + x['properties']
```

```
['name:zh'] + "\t" + x['properties']['name']);
```

```
}
```