R- Notebook

Getting postcode from police data for crimes committed in west-midlands based on latitude and longitude.

Packages

```
Library("rio")
Library("jsonlite")
```

Getting File

```
Crime <- rio::import("2020-08-west-midlands-stop-and-search.csv")
```

Getting the Postcode

```
longitude=crime$longitude
latitude=crime$latitude
postcode=list( )
for(longitude in longitude)
{
   for(latitude in latitude)
   {
     requesturl<-paste("http://api.postcodes.io/postcodes?lon=",
longitude,"&lat=",latitude,sep="")
     postcodejson <- jsonlite::fromJSON(requesturl)
     postcode=postcodejson
     print(requesturl)
     break
}}}
```

Outcome

[1] http://api.postcodes.io/postcodes?lon=-1.900049&lat=52.553269
[1] http://api.postcodes.io/postcodes?lon=-1.912118&lat=52.553269
[1] http://api.postcodes.io/postcodes?lon=-1.912118&lat=52.553269
[1] http://api.postcodes.io/postcodes?lon=-1.936019&lat=52.553269

	postcode	quality	eastings	northings	country	nhs_ha
1	B43 7SN	1	404431	295046	England	West Midlands
2	B43 7AD	1	404466	295103	England	West Midlands
3	B43 7AB	1	404513	295090	England	West Midlands
4	B43 7SP	1	404350	295021	England	West Midlands