

# Twitter Analytics

## Twitter data

Tweets can be extracted with the following HTTP requests.

This is to extract geocoded tweets; the key is the geohash (whose value can be gotten from <http://geohash.gofreerange.com/>), and year-month-day, while the skip and limit requests parameters can be used to page results (there are about 36M tweets, increasing by a million every two days or so):

```
curl -XGET "http://45.113.232.90/couchdbro/twitter/_design/twitter/_view/geoindex?include_docs=true&reduce=false&skip=0&limit=5" --user "readonly:ween7ighai9gahR6"
```

This is to extract all tweets (geocoded or not), the skip and limit request parameters can be used to page through the results just as above (key is city, year, month, and day):

```
curl -XGET "http://45.113.232.90/couchdbro/twitter/_design/twitter/_view/summary?include_docs=true&reduce=false&skip=0&limit=5" --user "readonly:ween7ighai9gahR6"
```

This is to extract GeoJSON, ready to be viewed in a GIS, limited to an area around Melbourne ("r1r1" geohash), starting from 2014 and ending in 2017:

```
curl -XGET "http://45.113.232.90/couchdbro/twitter/_design/twitter/_list/geojson/geoindex?reduce=false&start_key=[\"r1r0\",2014,1,1]\\&end_key=[\"r1r1\",2017,12,31]\\&skip=0&limit=5\" --user "readonly:ween7ighai9gahR6"
```

To aggregate tweets by city, the "summary" view can be used:

```
curl -XGET "http://45.113.232.90/couchdbro/twitter/_design/twitter/_view/summary?include_docs=false&reduce=true&group_level=1&skip=0&limit=5" --user "readonly:ween7ighai9gahR6"
```

## Instagram data

Instagram data are indexed in the same way, and can be extracted analogously, by changing the database to "instagram" and the view to "instagram" as well.

For instance:

```
curl -XGET "http://45.113.232.90/couchdbro/instagram/_design/instagram/_view/summary?include_docs=false&reduce=true&group_level=1&skip=0&limit=5" --user "readonly:ween7ighai9gahR6"
```