Using MongoDB Compass to Create A Tweet Map

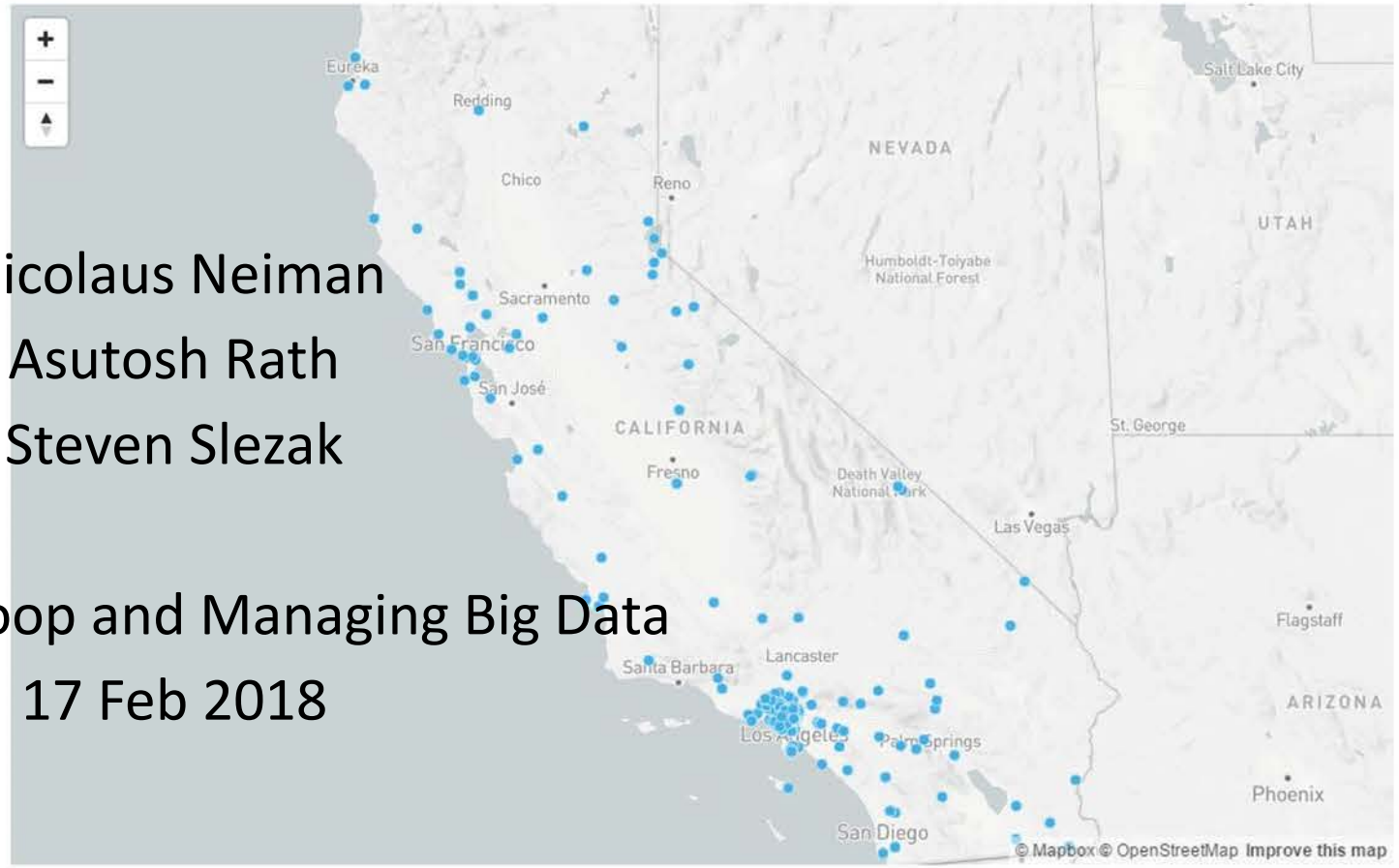
Nicolaus Neiman

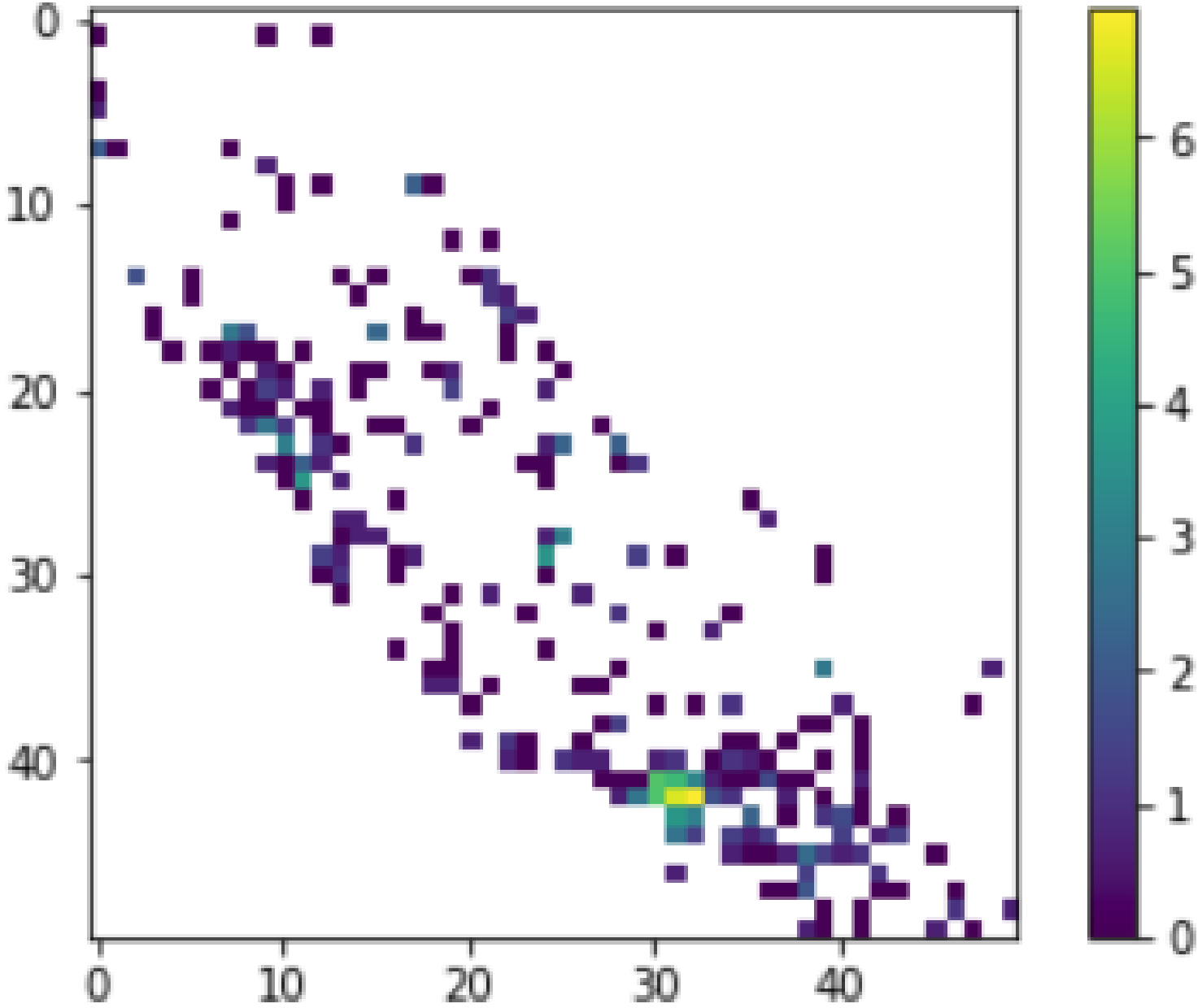
Asutosh Rath

Steven Slezak

35882: Hadoop and Managing Big Data

17 Feb 2018




0
10
20
30
40
0
10
20
30
40
6
5
4
3
2
1
0

twitter.instructor_test_group

DOCUMENTS 20.0k TOTAL SIZE 69.0MB AVG. SIZE 3.5KB | INDEXES 2 TOTAL SIZE 2.8MB

Documents | Schema | Explain Plan | Indexes | Validation

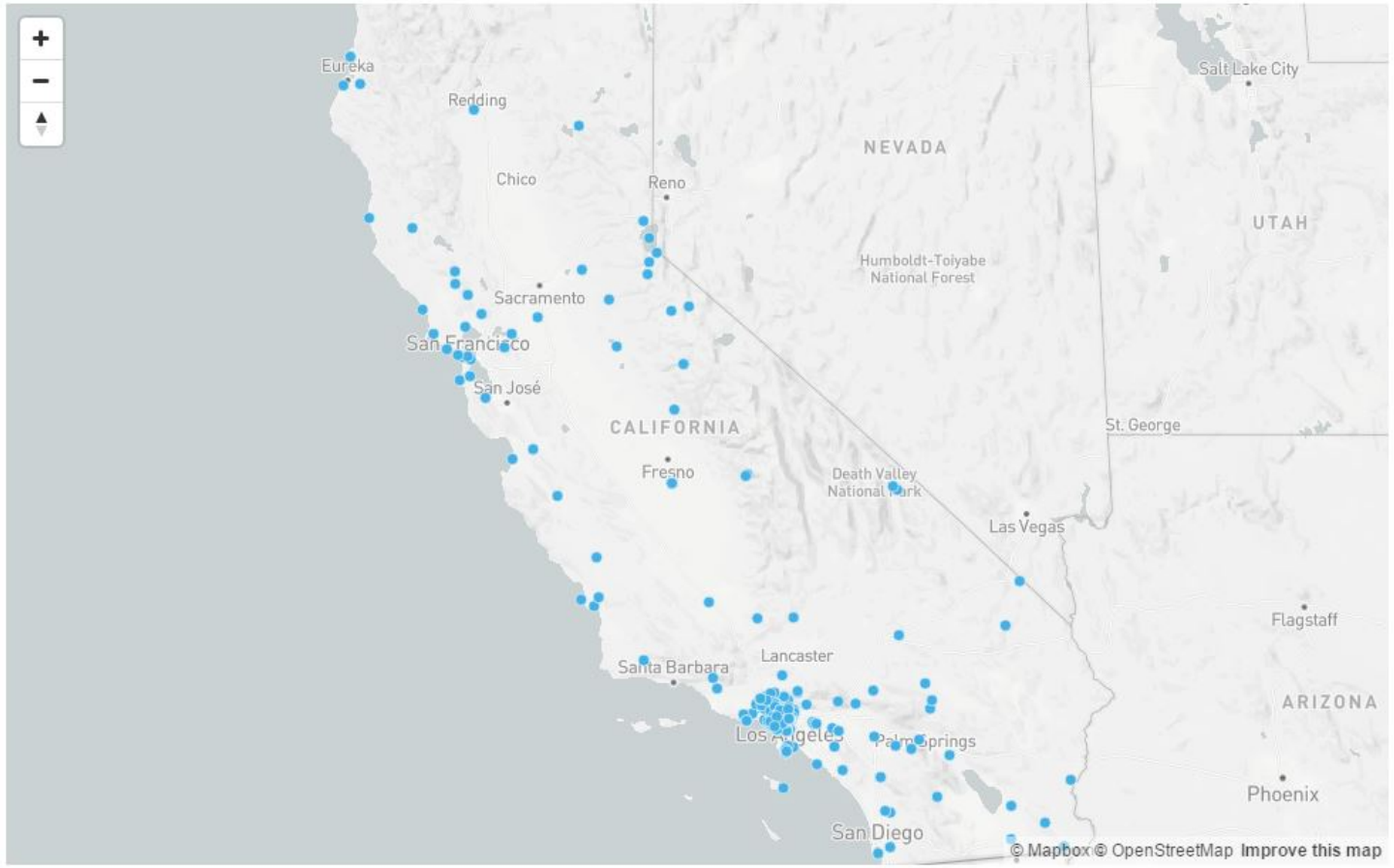
FILTER {source: '<a href="http://instagram.com" rel="nofollow">Instagram</a>'} OPTIONS ANALYZE RESET

Query returned **1907** documents. This report is based on a sample of **1000** documents (52.44%).

null

coordinates

coordinates



twitter.instructor_test_group

DOCUMENTS 20.0k | TOTAL SIZE 69.0MB | AVG. SIZE 3.5KB | INDEXES 2 | TOTAL SIZE 2.8MB

Documents | **Schema** | Explain Plan | Indexes | Validation

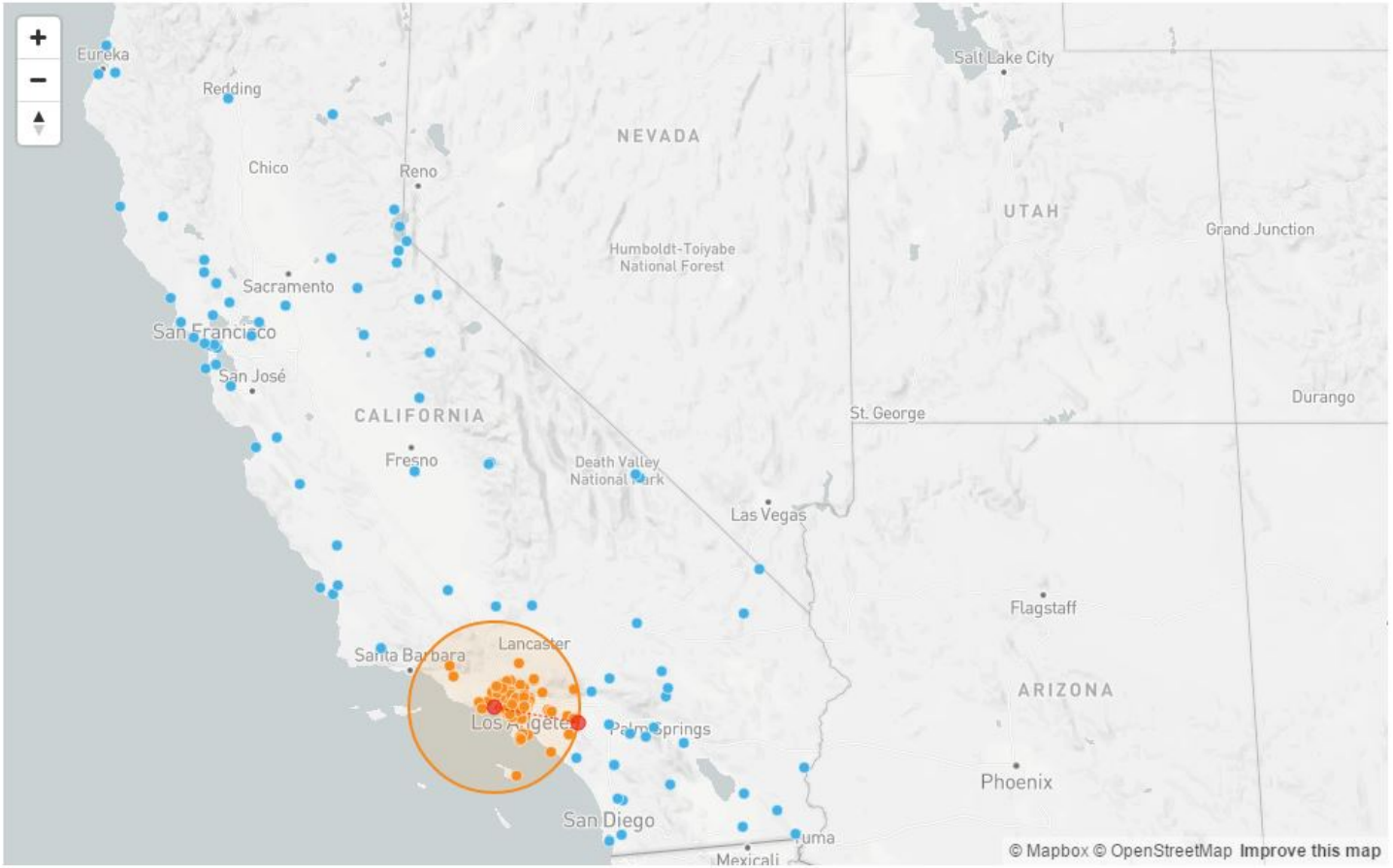
FILTER {source: '<a href="http://instagram.com" rel="nofollow">Instagram</a>',coordinates: {$geoWithin: { $centerSphere: [[-118.62433839375579, 34.04502394921951], 0.015589136693875561]}}} OPTIONS | ANALYZE | RESET

Query returned **1907** documents. This report is based on a sample of **1000** documents (52.44%).

null

coordinates

coordinates



twitter.instructor_test_group

DOCUMENTS 20.0k TOTAL SIZE 69.0MB AVG. SIZE 3.5KB | INDEXES 2 TOTAL SIZE 2.8MB AVG. SIZE 1.4MB

Documents | Schema | Explain Plan | Indexes | Validation

FILTER {source: '<a href="http://instagram.com" rel="nofollow">Instagram</a>',coordinates: {$geoWithin: { $centerSphere: [[-118.62433839375579, 34.04502394921951], 0.006839794700135382]}}} OPTIONS ANALYZE RESET

Query returned **1639** documents. This report is based on a sample of **1000** documents (61.01%).

_id

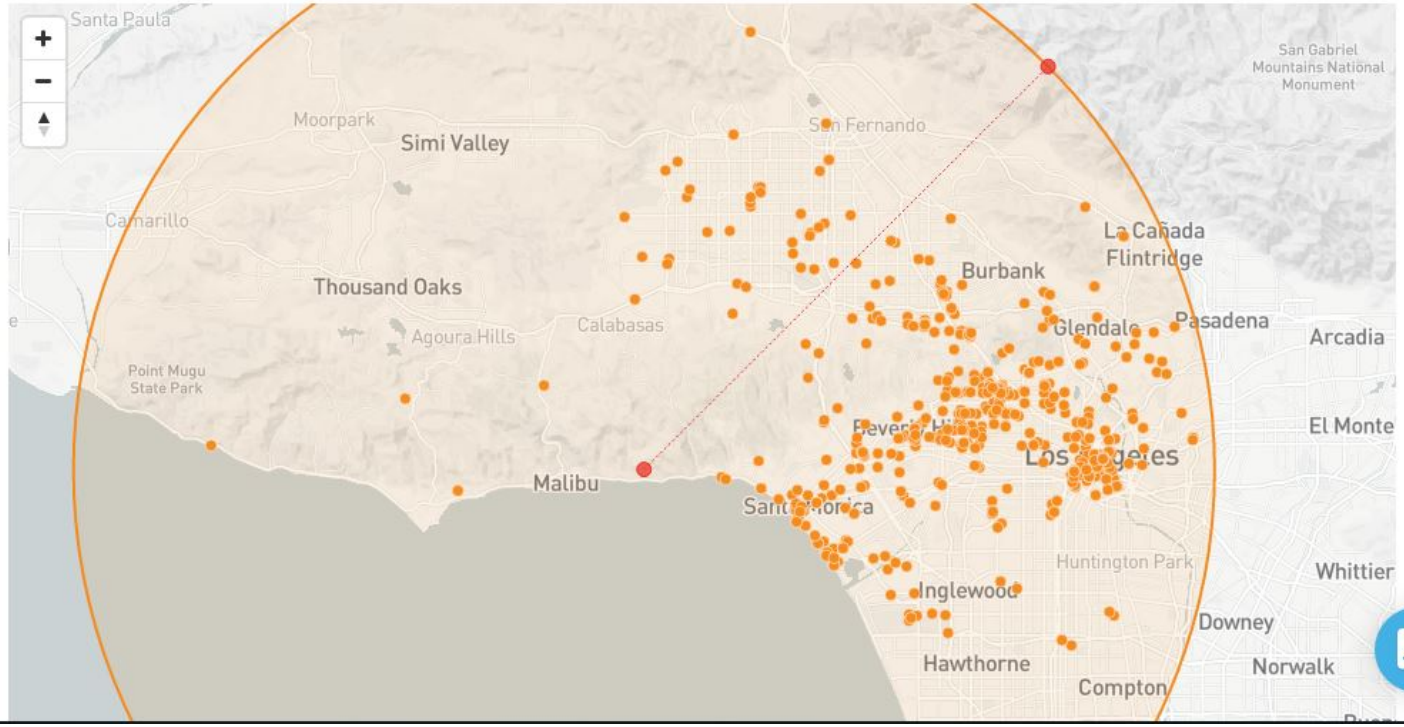
objectid

contributors

null

coordinates

coordinates



Just Follow These Step-by-Step Instructions

- Load MongoDB Compass and Sign On
- Click on the twitter Database
- Click on instructor_test_group
- Notice the Query Bar at the Top of the Page
- Click on Schema then Choose Analyze Schema
- Scroll Down to source then hover over the bar that says “Instagram”
- Click that Bar Turning it Orange
- The Query Bar Now Contains Your Query for Searching
  - this is called a “Graphical Query”

Simple Instructions Continued…

- Hit “Analyze”
- Hover Over the Map
- Shift + Drag to Build Query
  - this lets you drill down
- Create a Circle Around the Area of Interest
- Hit “Analyze”
- The Data for Your Geographic Area are Displayed
- Manipulate the Target with the Red Handle and Hit “Analyze” to Change Your Focus