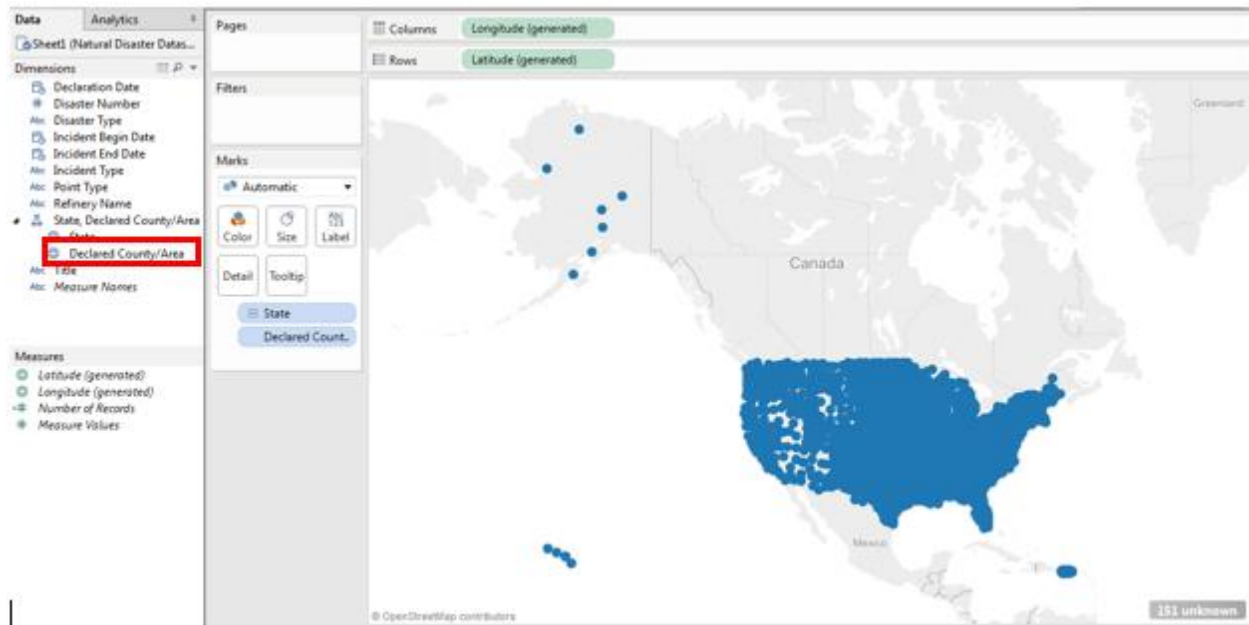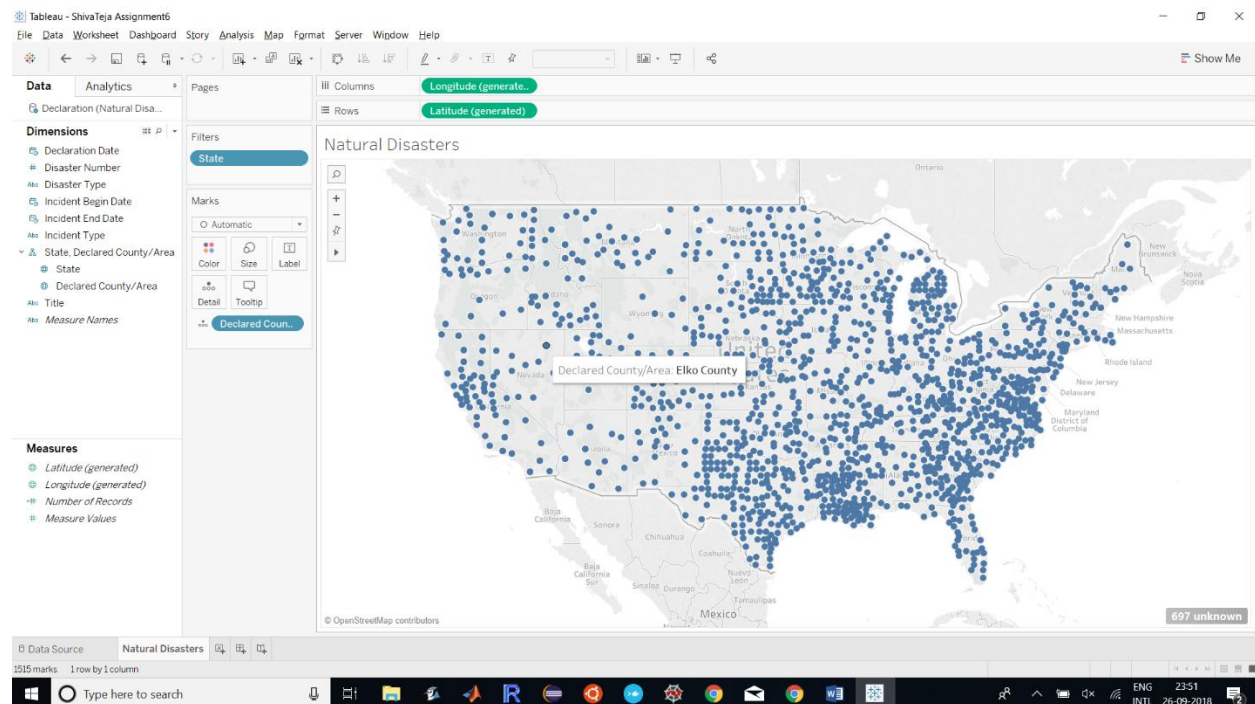# Exercise - Multi Maps Tableau

**Date:  27 September 2018**
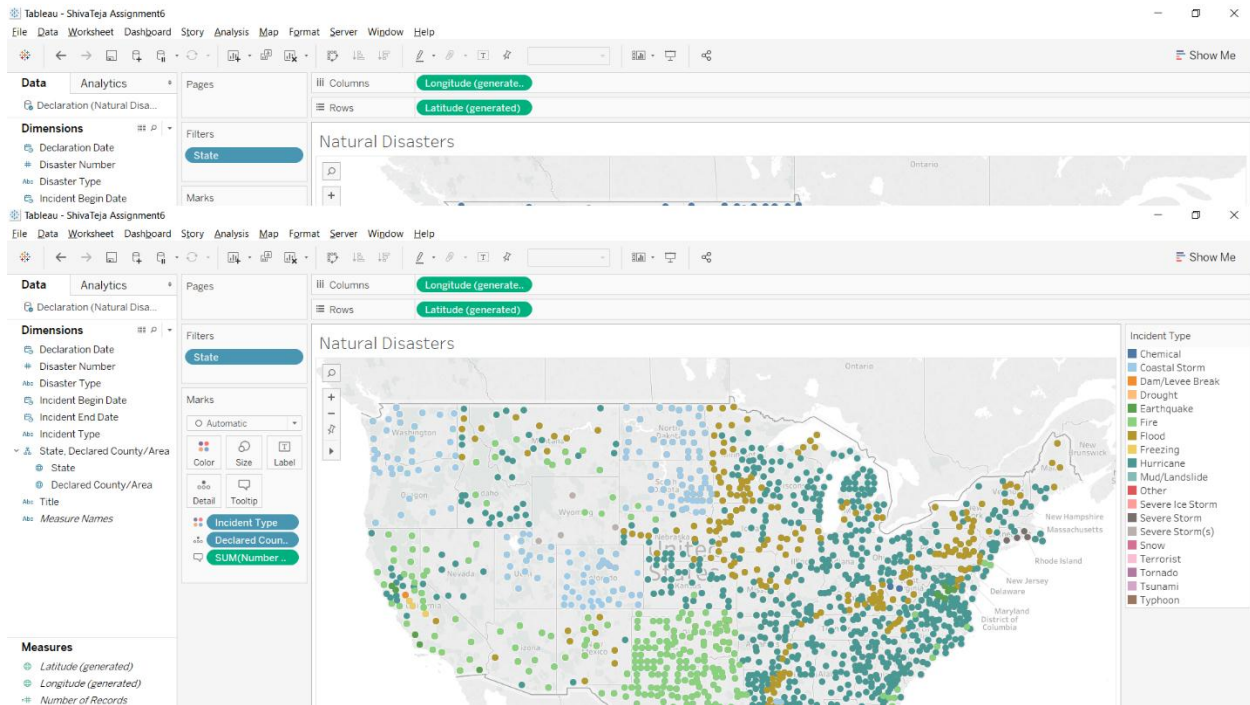
**Part I: Visualize 10 years of natural disaster data on a visualization map**
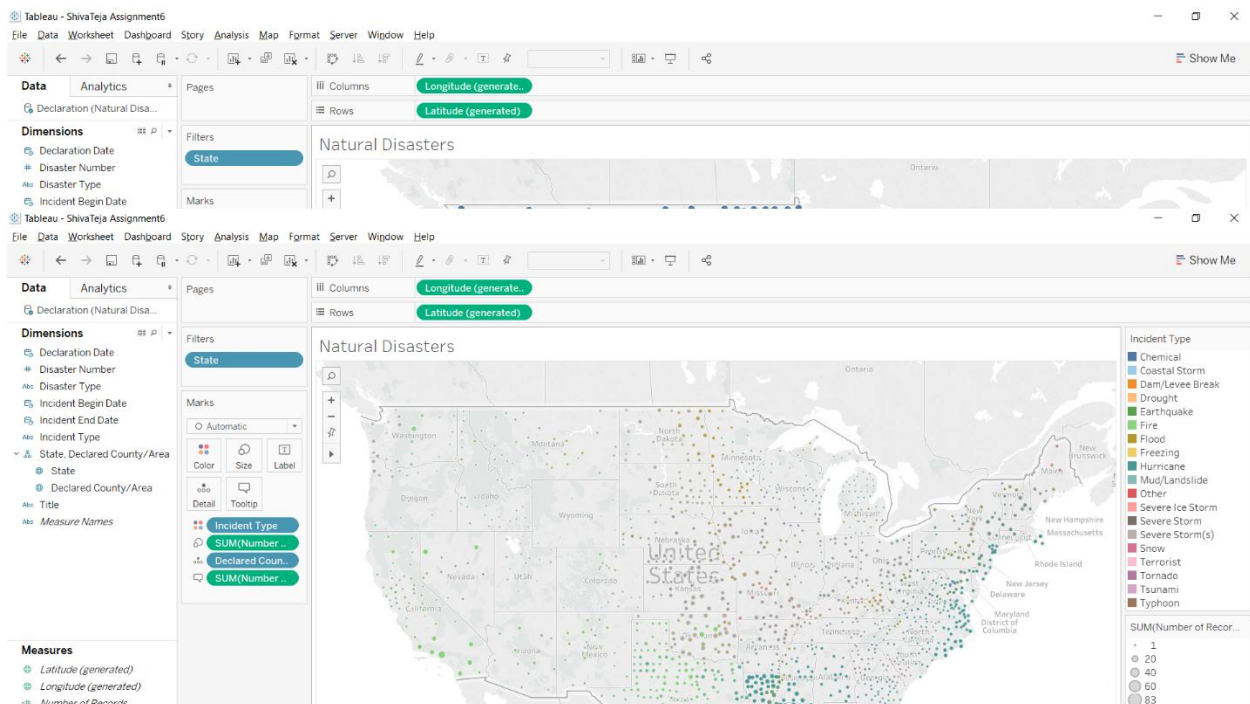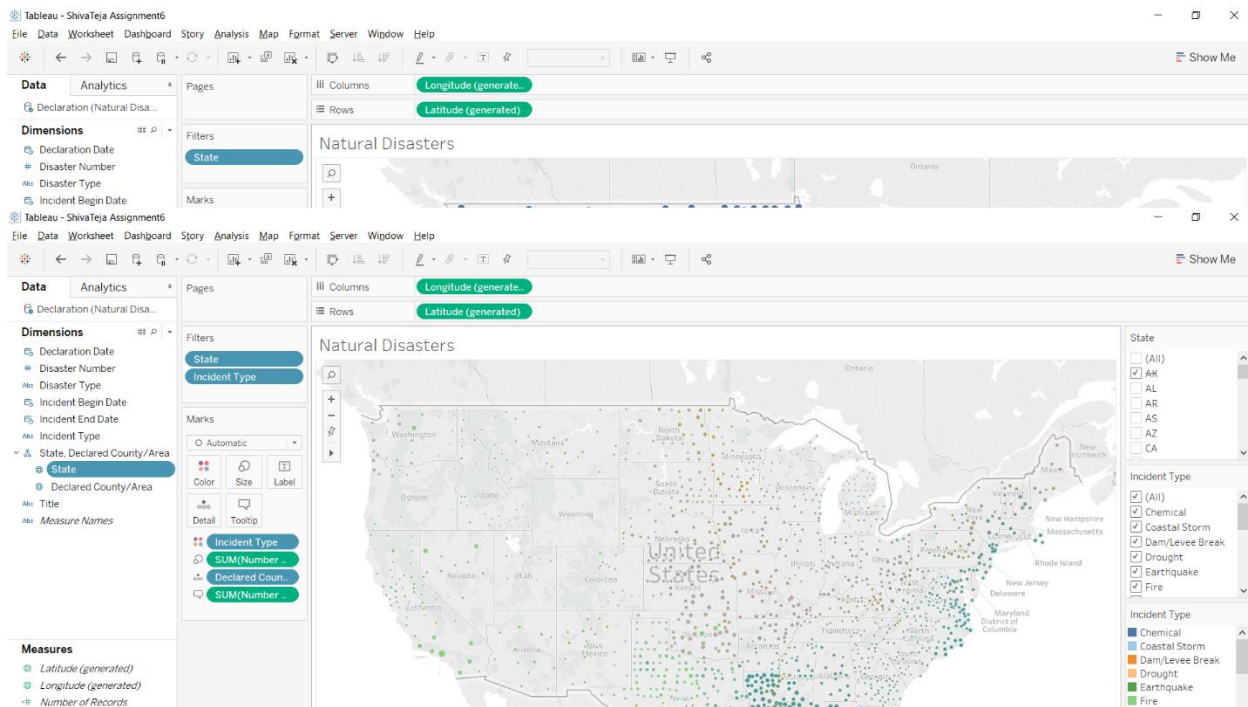


**Apply filter on 'States'**

**Screen shot of the map displaying 'Number of Records' as tooltip along with other tooltip fields:**



**Add 'Number of Records' to Size card**

**Screen shot of the workbook displaying 'Incident Type' and 'State' as a quick filter**



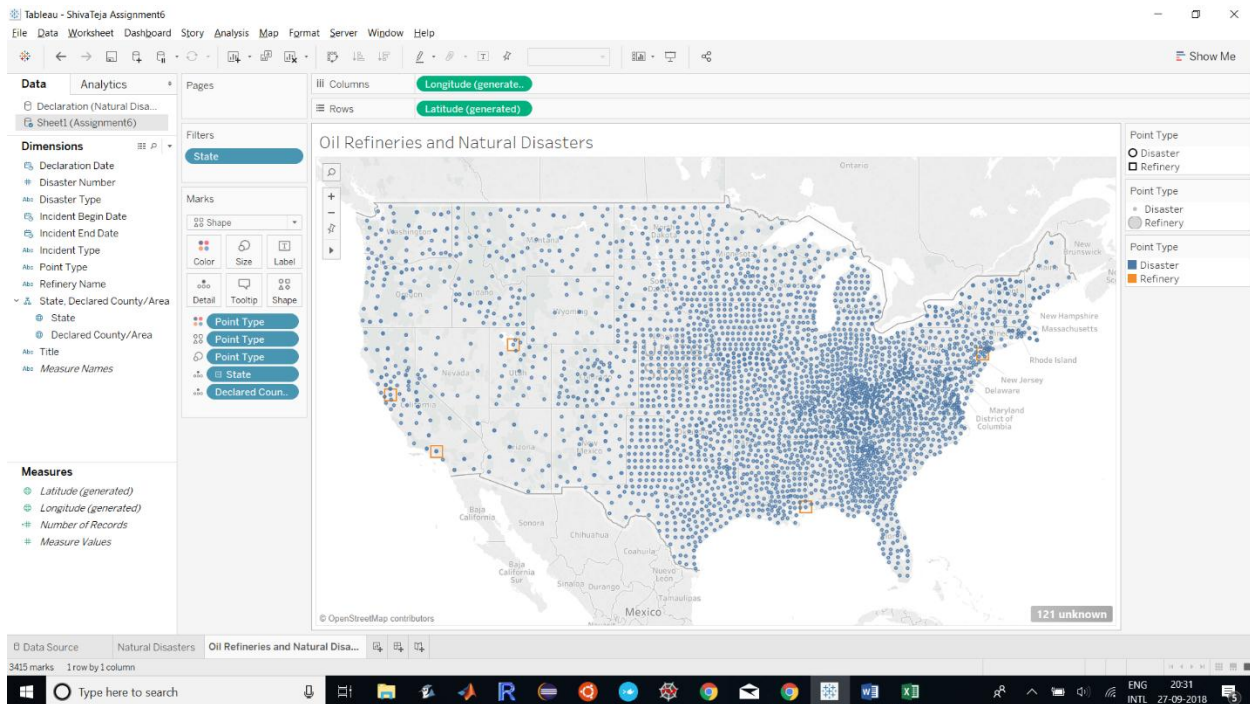**As per the map, Hurricane is the most prevalent disaster in Texas and Alabama**

**You cannot see Alaska and Hawaii on the map because I excluded data from those states from the map**

**I visually encoded different disasters, using Color**

**I visually encoded number of disaster incidents in a county using Size**

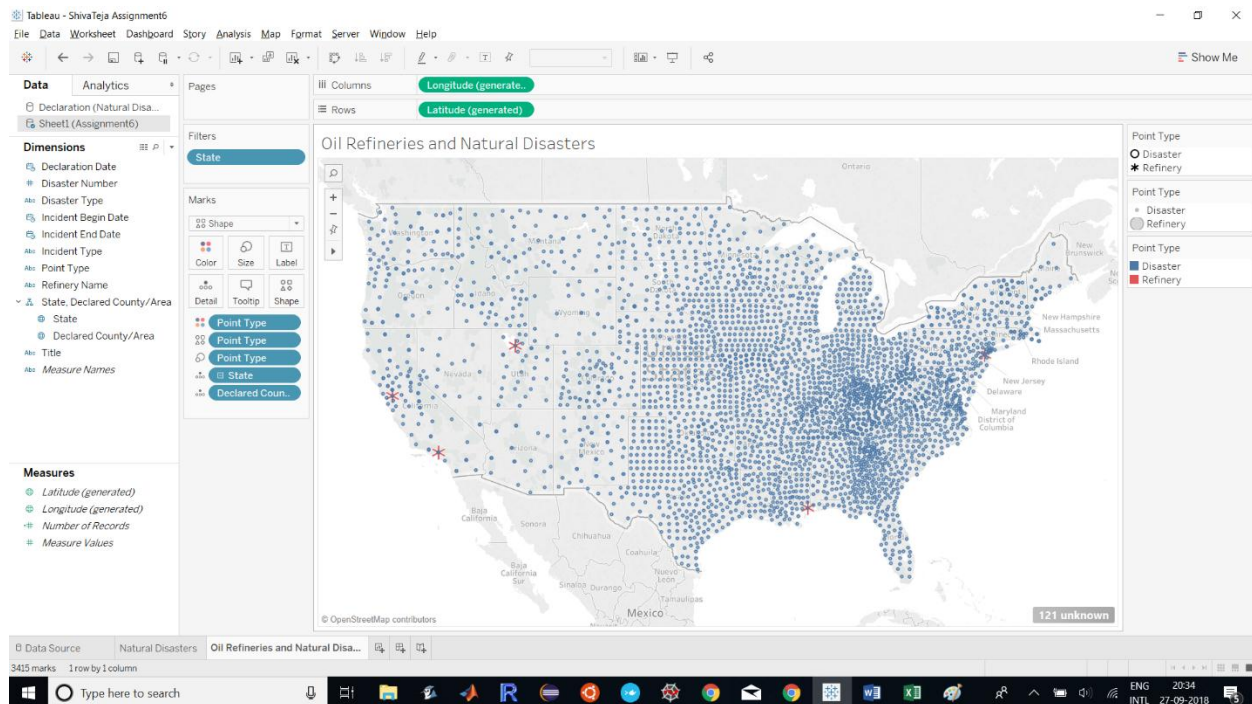## Part 2: Visualize all refinery locations for one 'Energy Company'

## Screen shot of the workbook displaying 'Refineries' and 'Disasters' on map
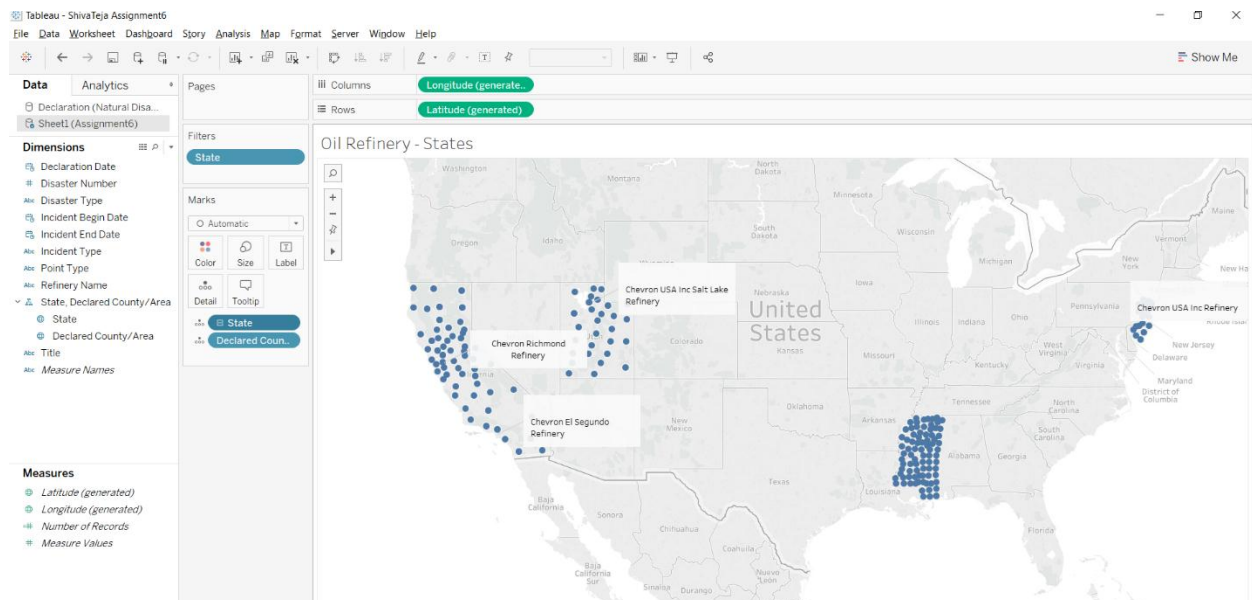


## Change shape and color display of refineries

**Screen shot of the workbook displaying disasters and refineries in new color and shape**



**California, Utah, Mississippi, New Jersey Energy Companies has refineries**
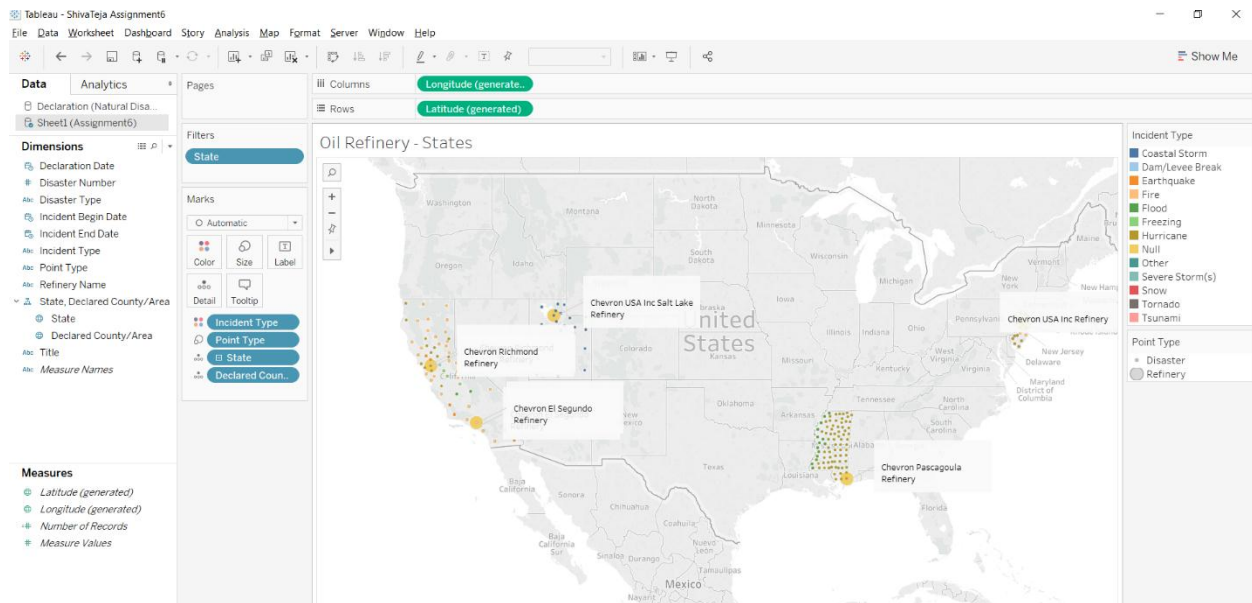
**Visualize refinery states: Screen shot of your map**



**Color encode disasters**

**Magnify refineries on the map**
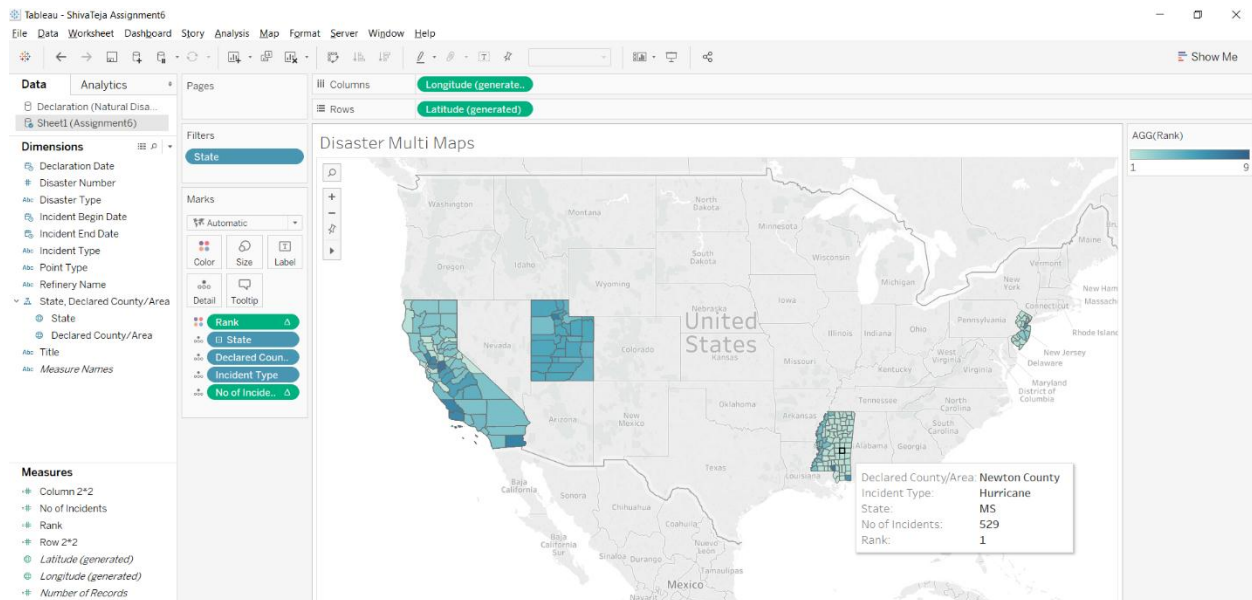
**Annotate the Refineries**

**Screen shot of the workbook displaying disasters (with different colors) and oil refineries**
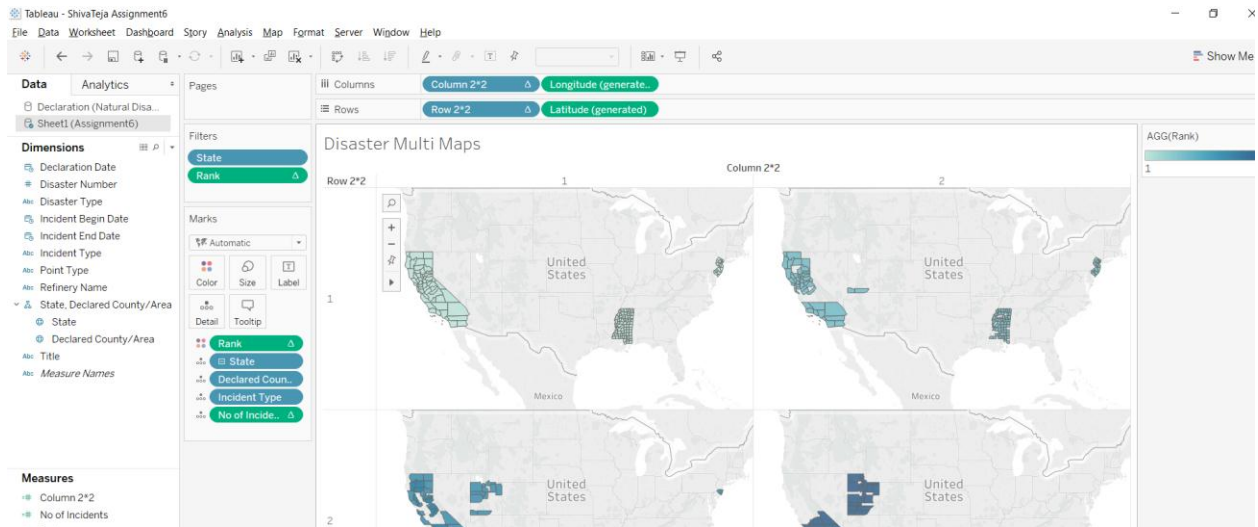


**For Mississippi, Hurricane and Floods are the disasters.**

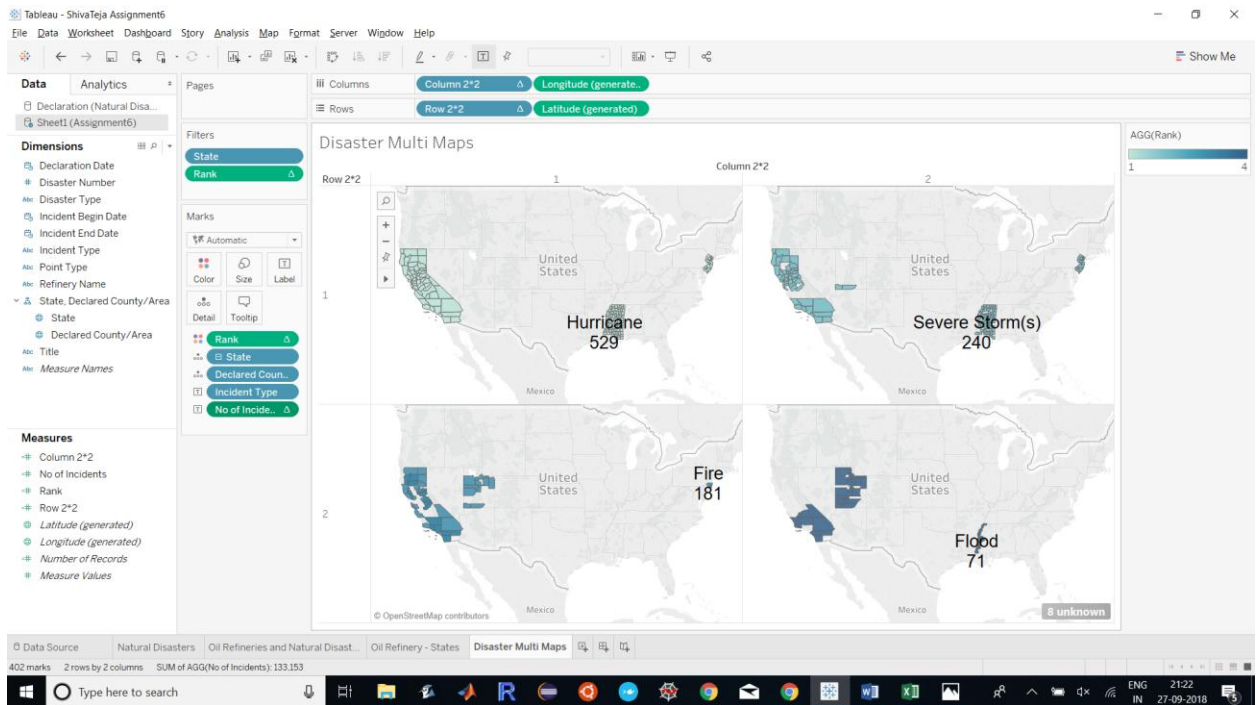**For Utah, the only disaster is Coastal Storm**

**Top 4 disasters impacting refinery locations**

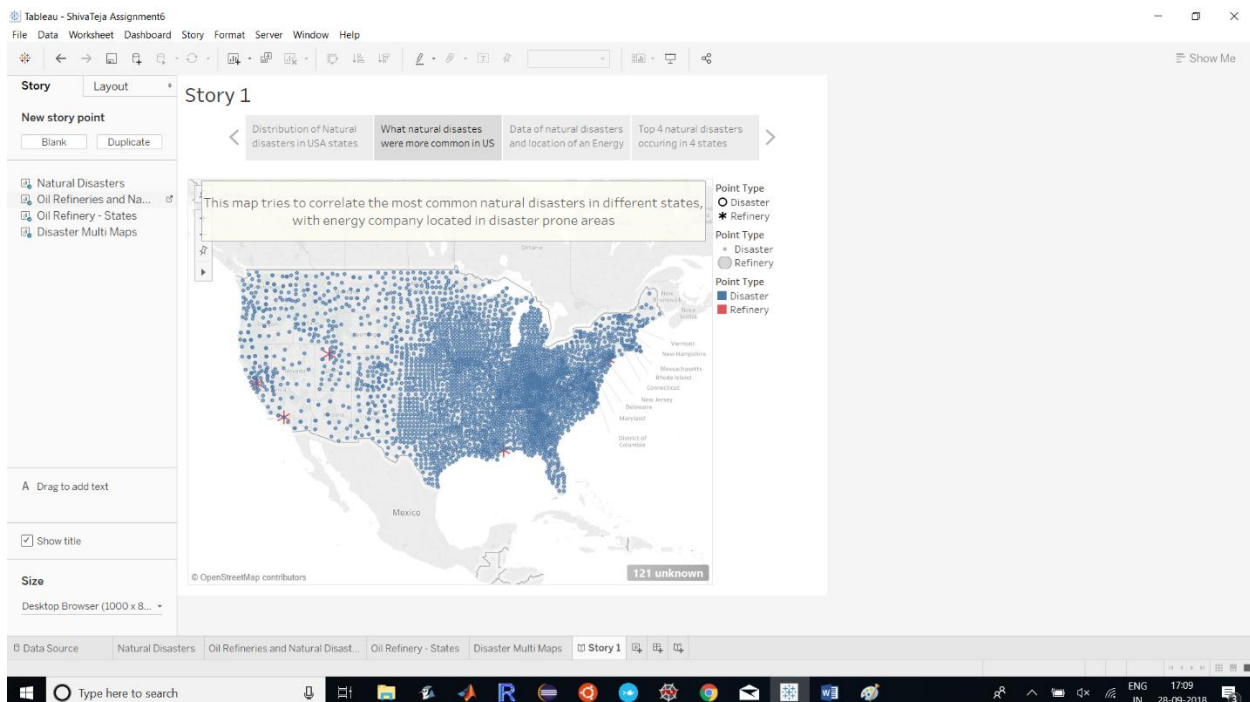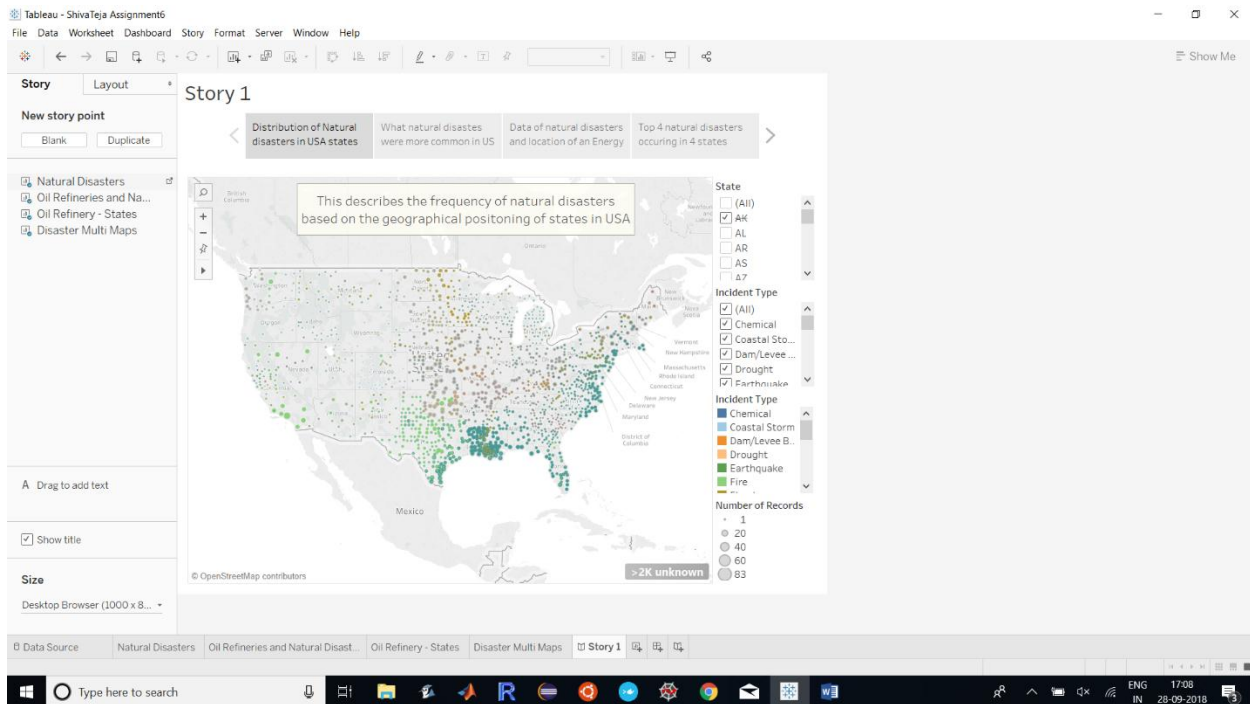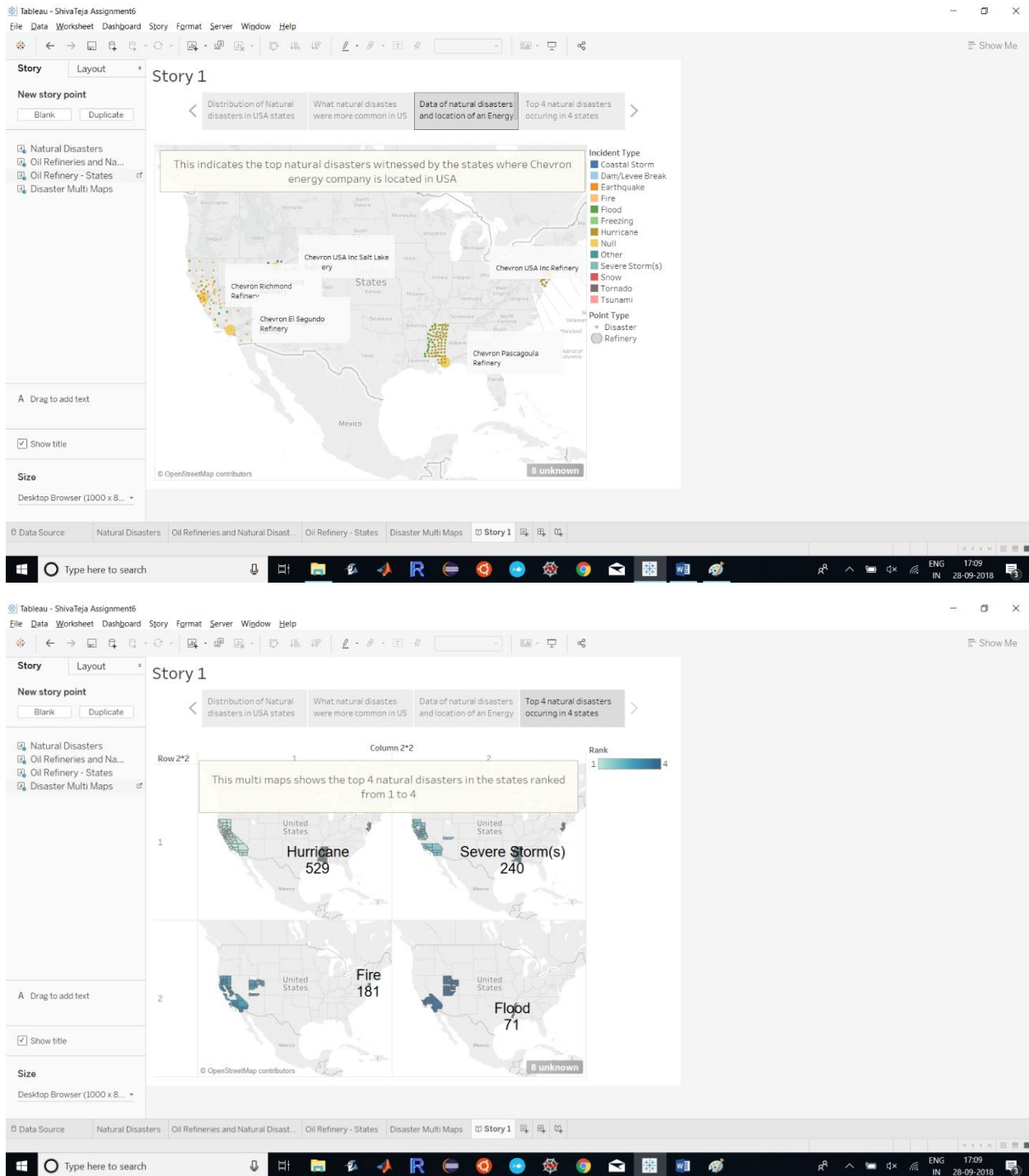# Creating multi chart



# Screen shot of multi-map showing labels

# Part 5: Create a Story in Tableau using Rhetoric

**I picked logical rhetoric. The top natural disasters in the 4 states where Chevron is present, logically explains the frequency of those disasters. Generally, Hurricane, floods, Storms are most common in coastal areas.**