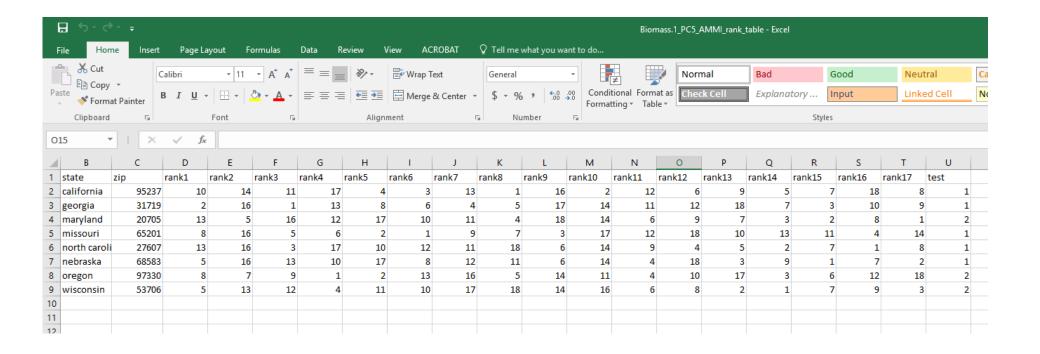
Tableau: making a U.S continental map to showcase research results

CS 590 – Fall 2019 Final project Lais Bastos Martins

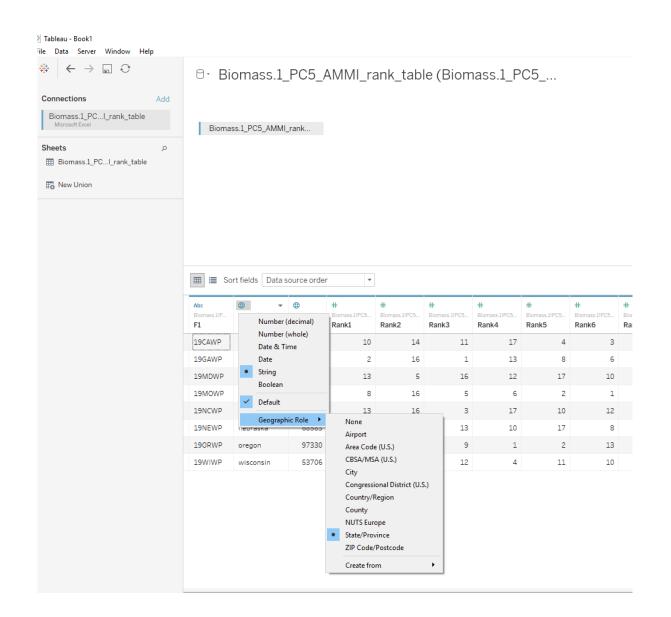
The data

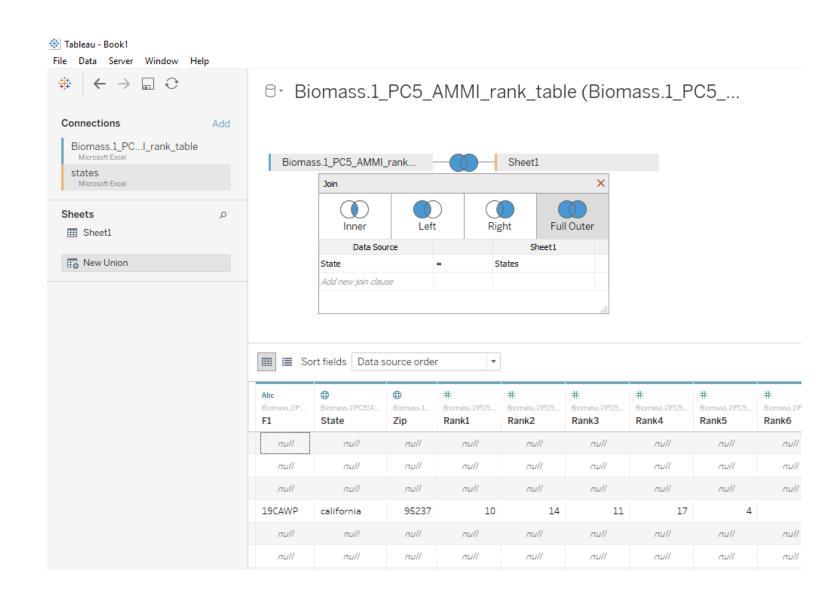
- 8 states had data from our Advance Line testing trial
- Want to show which states we have our breeding lines as top 2 performer vs only top 1 (second best is a check cultivar)
- Only want to show continental U.S so map is cleaner
- Need to have a data frame that has all states names on it
- Made a variable called test, where:
 - 1 = only top one is a breeding line
 - 2 = top 1 and 2 entries are breeding lines



Tableau

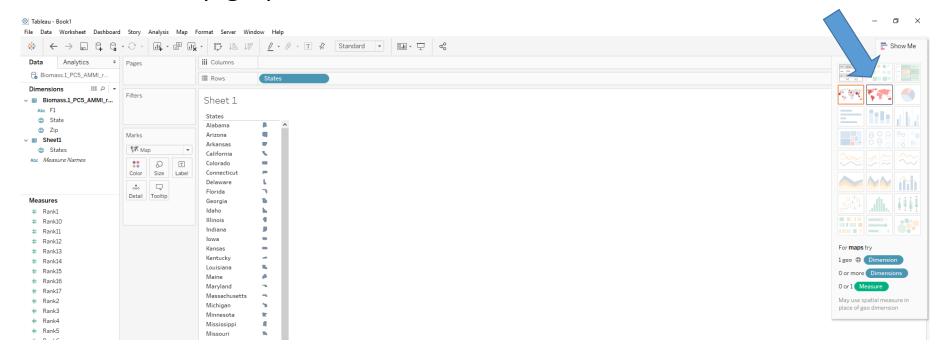
- I need to add zip code, but Tableau does the longitude and latitude automatically
- Can merge the data with a spreadsheet that has all the states listed
- Recognized automatically that it was a zip code and a state, otherwise you can assign that to the column

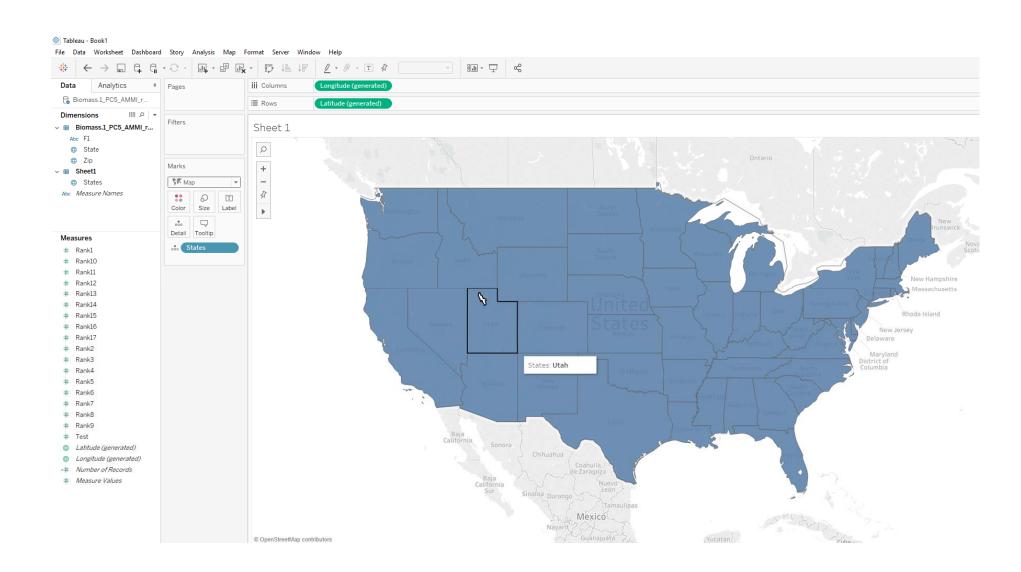


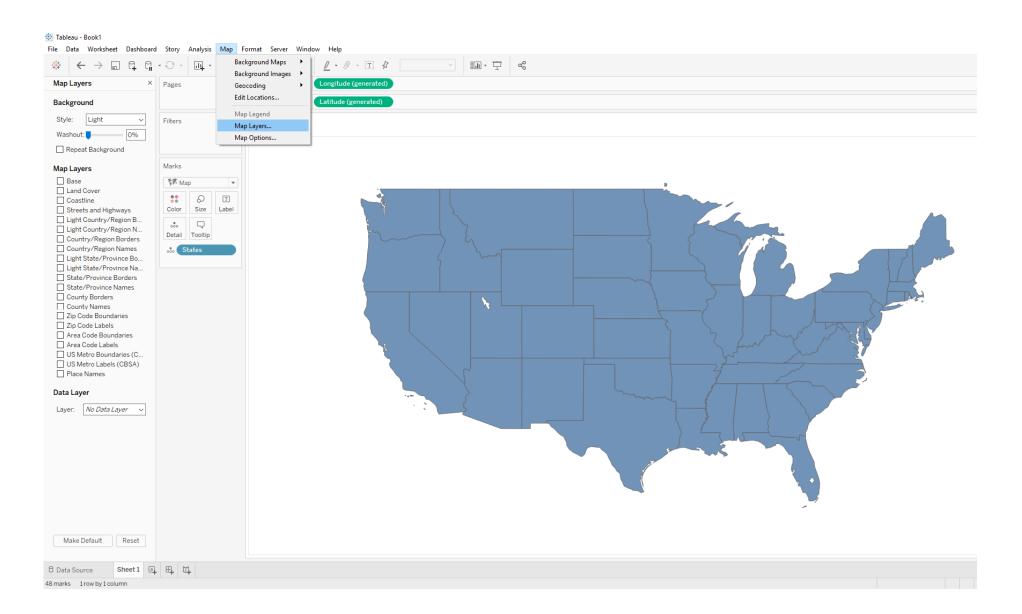


Plotting

- States as rows
- Select the map graph

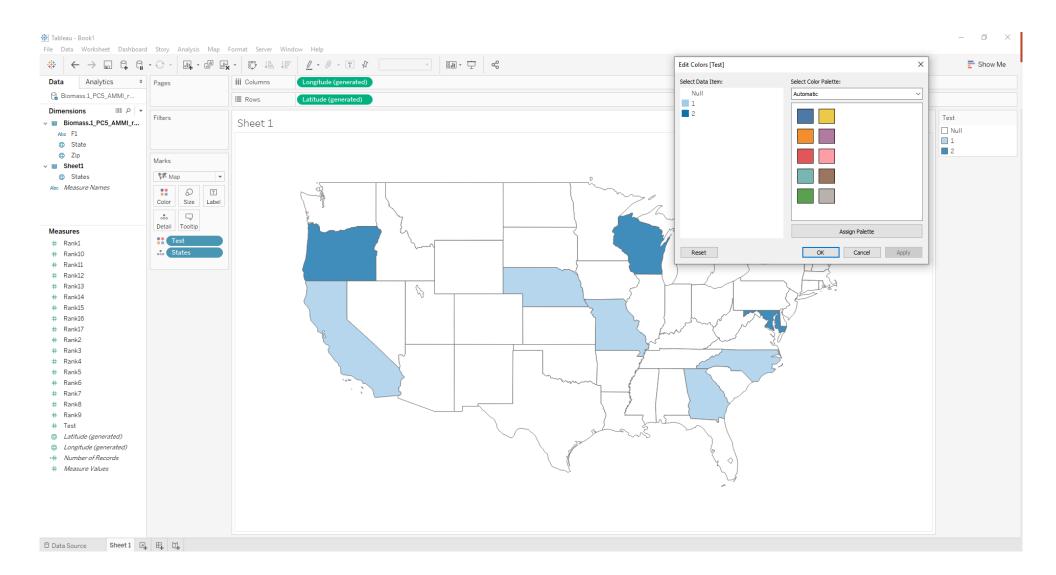


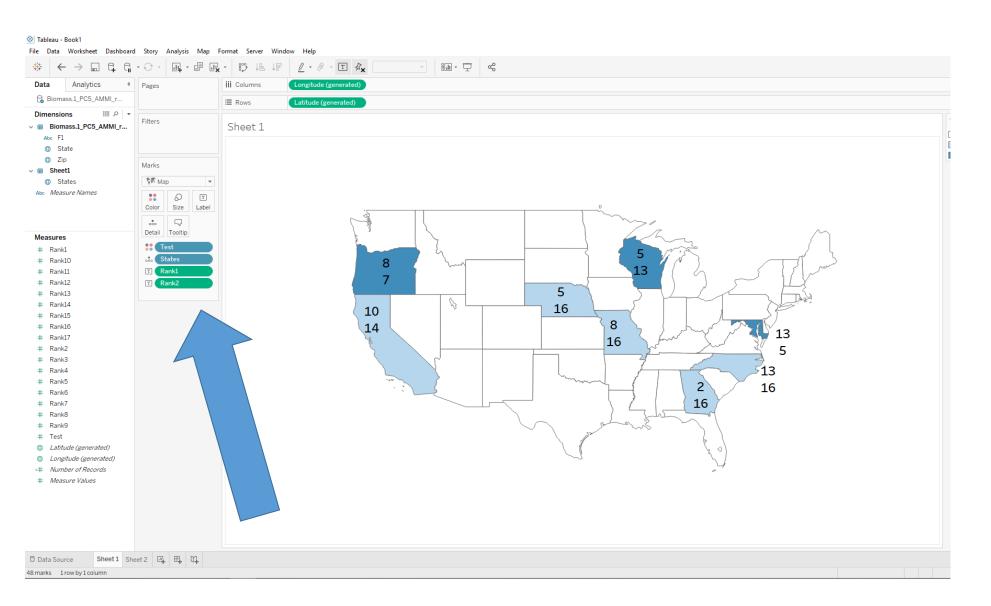




Plotting

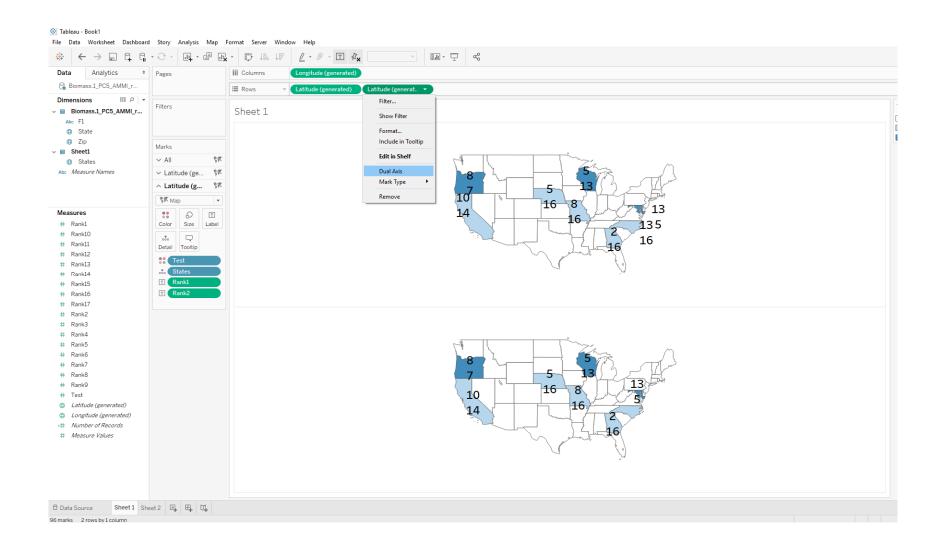
- Add Test as color
- Select colors I want
- Add the top 2 entries for each state

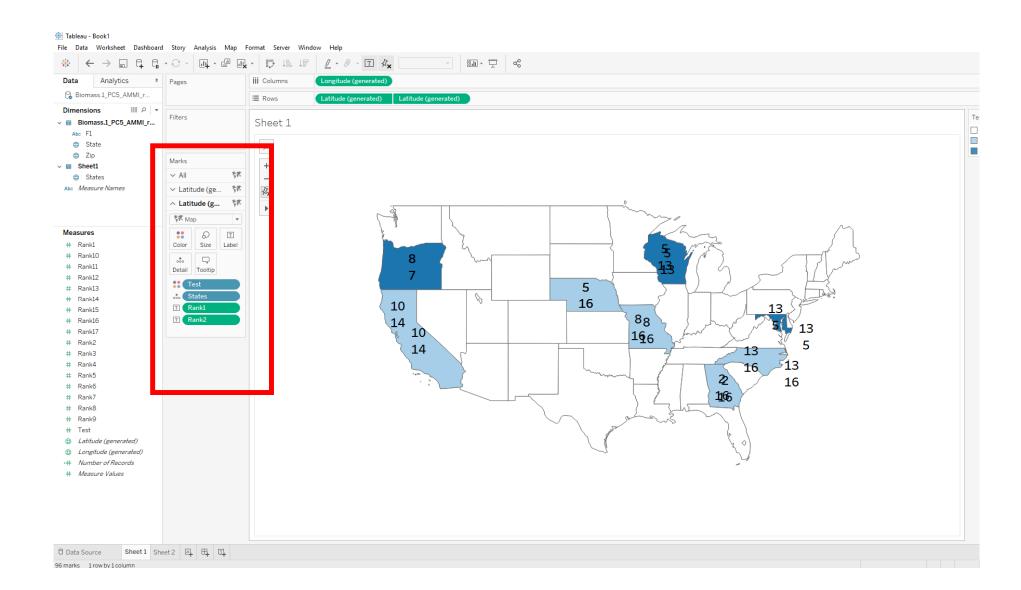


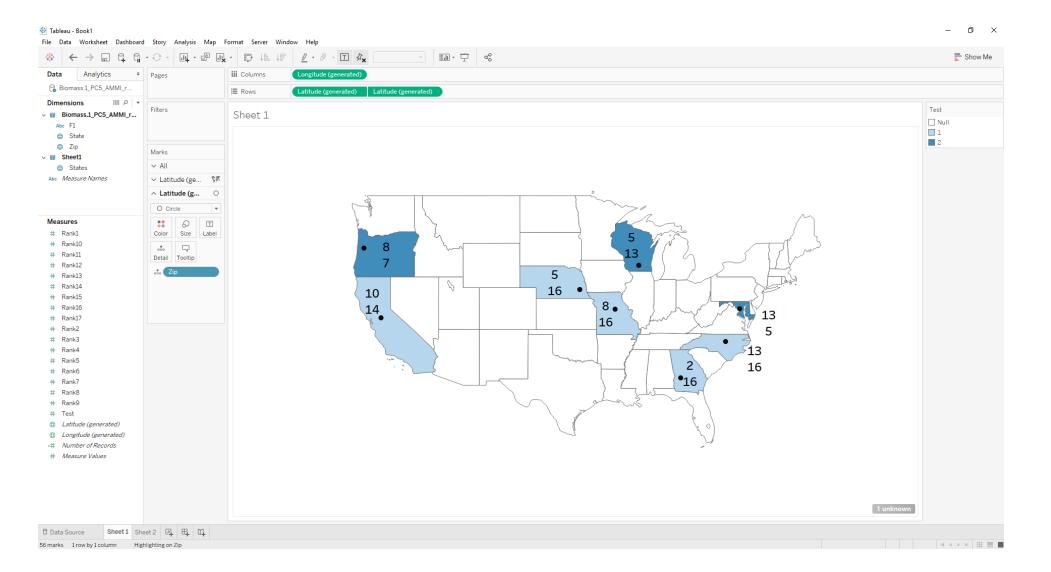


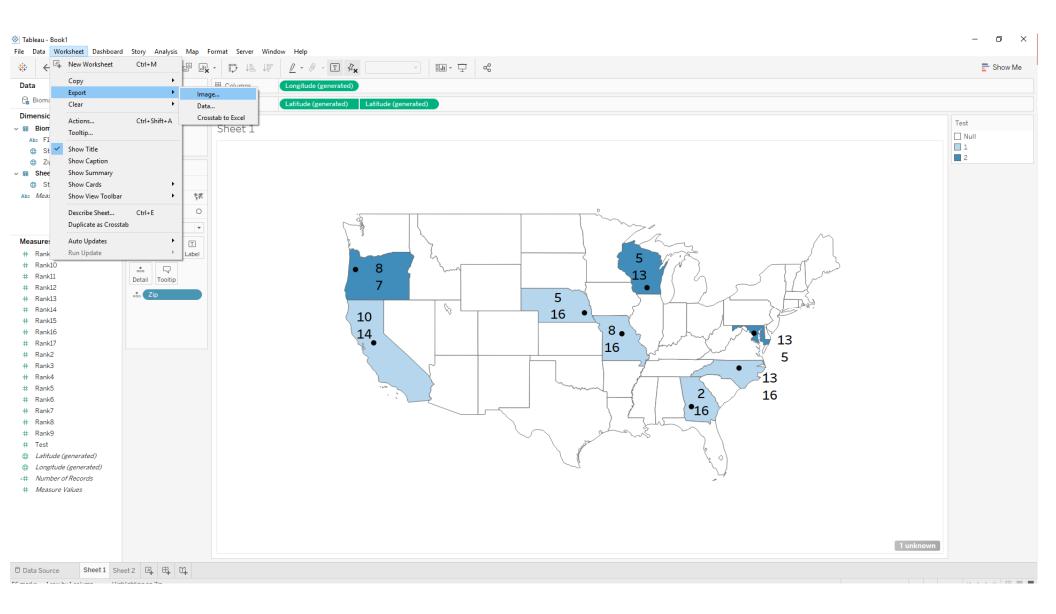
Plotting

 If I want to add dots for the Zip code where the trial (or office) was, need to make a new layer -> DUAL AXIS MAP









The end! Thank you!

github.com/lais-bm/CS590lbastos/tree/final