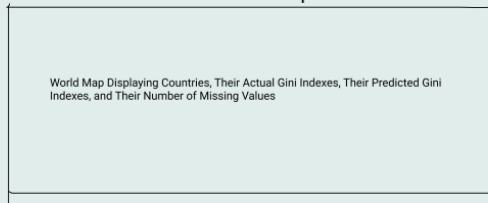


Dashboard Napkins and Feedback

Capstone Dashboard Napkin Drawings

Gini Index Map

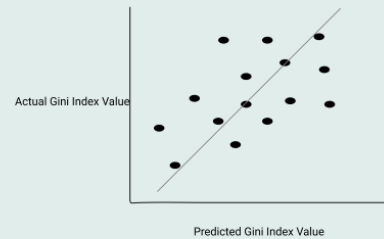


Text box listing 5 countries with the top/bottom % change in the gini index and the continents with the best/worst gini indexes over time

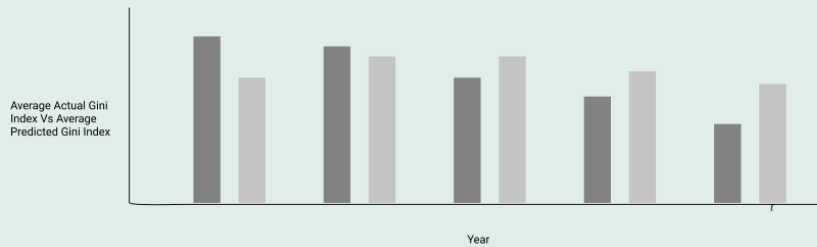
Gini Index Feature Importance Treemap



Actual Vs. Predicted Gini Index for Test Set



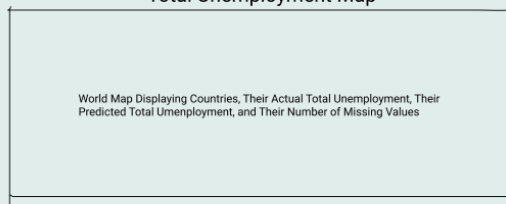
Gini Index Average Actual Values Vs Average Predicted Values by Year



Country Slicer



Total Unemployment Map

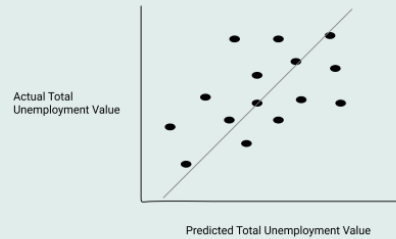


Text box listing 5 countries with the top/bottom % change in total unemployment and the continents with the best/worst unemployment totals over time

Total Unemployment Feature Importance Treemap



Actual Vs. Predicted Total Unemployment for Test Set



Documenting and Responding to Dashboard Napkin Drawing Feedback

[11/5/2021 4:01 PM] Caitlin Ryan

I have a few comments about the dashboard, overall I like how clean and organized it is so that's great! Above the first row of visuals it might help to give some sort of context to the project. The first big visual is the map of the Gini Index, maybe explain what that is and how you are going about the data so the map doesn't seem to come out of nowhere. The unemployment map is pretty self explanatory but the Gini coefficient is less known so that should be addressed. I don't think you need to go into detail about your ML model or anything but give context about what the dashboard is about and that should help.

I am going to trust your judgement on the treemaps, for smaller values it gets hard to read the name since there is not enough space so just keep that in mind. I think those work fine with fewer features so I am guessing you have already tried it out with the features you are including and know what it looks like already.

Other than that I think everything looks good, I'm not sure if it is possible but if you're able to get the data points on the scatterplots to show the country when you hover over it I think that'll help convey the information you do have.

[11/5/2021 4:03 PM] Luke Everson

Just to let you guys know. We did decide to pivot and use a donut chart instead of a tree map. We agree that treemaps can get difficult to read.

[11/5/2021 4:07 PM] Caitlin Ryan

Ah then ignore what I wrote there about tree maps. If the features look fine with a donut chart then I don't see a reason why you shouldn't use it. But if there are too many features (more than 5?) that it starts getting difficult to read I'd suggest switching to a bar graph, either vertical or horizontal. Personally I would avoid a pie/donut chart on anything more than 3 features being plotted but that's just me. I like that bar charts can make the different values more apparent.

[11/7/2021 2:52 PM] Michael Deehan

Sorry for such late feedback, but I think your dashboard is very clean and looks great. I agree with Caitlin that some context on the graphs could be a great addition. I also think that maybe some key takeaways would be nice to see as well. For example, maybe displaying the countries with the highest and lowest Gini coefficients. I also think that the donut chart decision was a good pivot. Lastly, (just an obvious side note) make sure that whatever color scheme you decide on is clean and uniform. Other than that I think your dashboard is in a good place.

Responding to Feedback

Based on the feedback, we made the appropriate changes to our dashboard:

1. The treemaps were replaced with the donut charts for a better visual appeal since we are dealing with a small number of variables.
2. More text boxes were added to clarify the proper interpretation of the provided graphs.
3. The general font size was increased to make it a bit easier to read.

Updated Dashboard Napkin Drawing

Capstone Dashboard Napkin Drawings

Gini Index

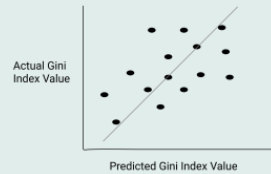
Gini Index Map

World Map Displaying Countries, Their Actual Gini Indexes, Their Predicted Gini Indexes, and Their Number of Missing Values

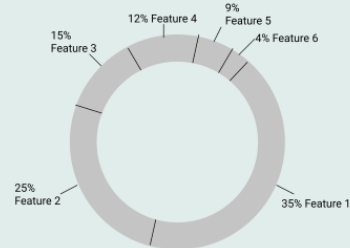
Text box introducing and explaining the concepts within the dashboard and the goal of the project along with a brief explanation of the gini index

Text box depicting the countries with the highest and lowest gini indexes in 2019 and a brief explanation of what that means for the specified countries

Actual Vs. Predicted Gini Index for Test Set

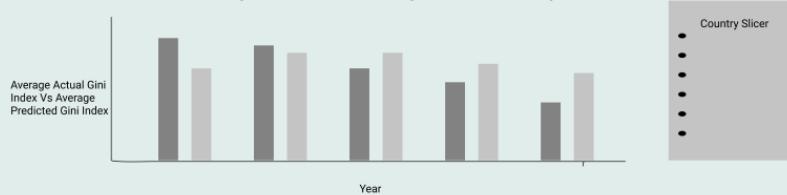


Gini Index Feature Importance Donut Chart



Text box explaining how the data is evaluated based on the surrounding graphs. This text box explains what the graphs show and how they should be interpreted

Gini Index Average Actual Values Vs Average Predicted Values by Year



Total Unemployment

Total Unemployment Map

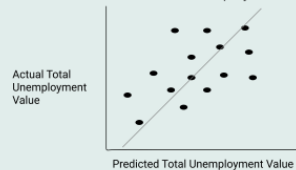
World Map Displaying Countries, Their Actual Total Unemployment, Their Predicted Total Unemployment, and Their Number of Missing Values

Text box introducing and explaining Total Unemployment

This text box also displays the countries with the highest and lowest amounts of total unemployment in 2019

Text box explaining how the data is evaluated based on the following graphs. This text box explains what the graphs show and how they should be interpreted

Actual Vs. Predicted Total Unemployment for Test Set



Total Unemployment Feature Importance Donut Chart

