



COFFEE

Global Trade

Chia-An Chen



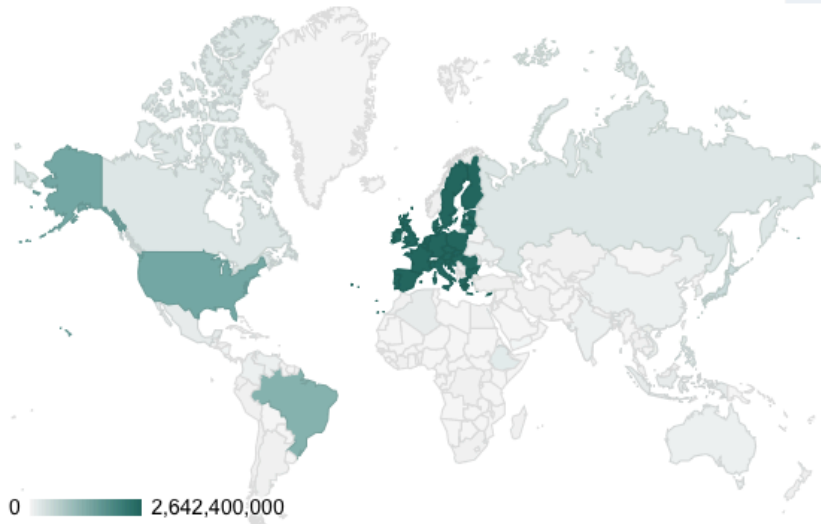
Dataset Intro

- Production, supply, and distribution of coffee from United States Department of Agriculture
- Total population from World Databank
- GDP from World Databank
- Annual working hour from OECD

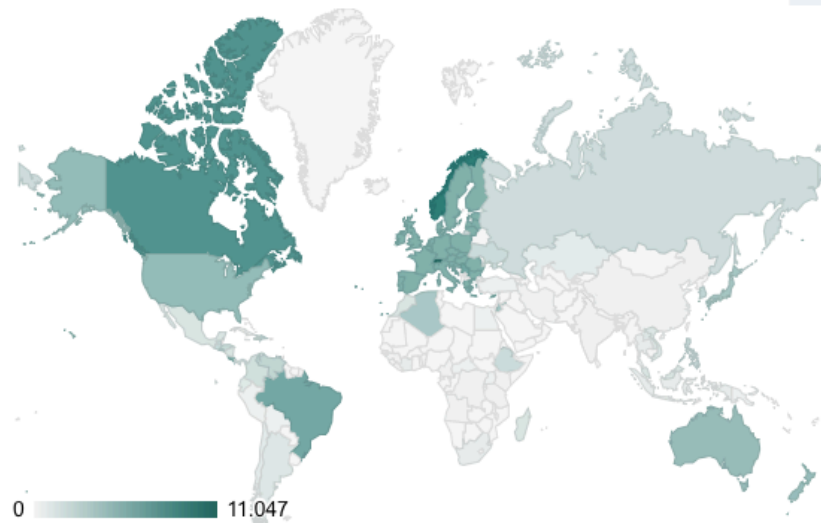
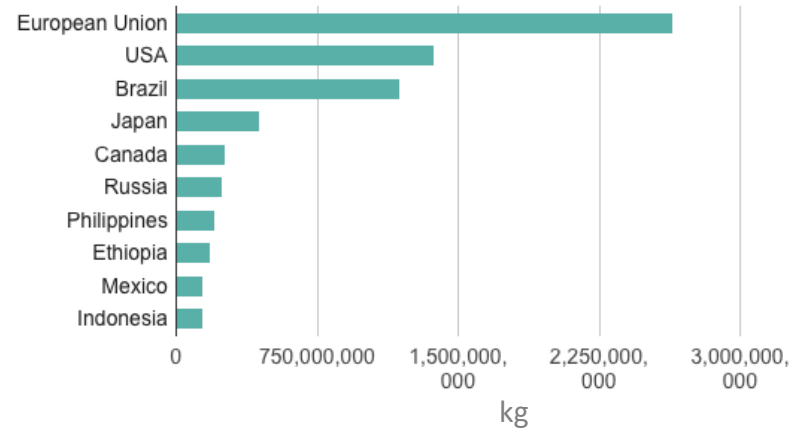


Domestic Consumption

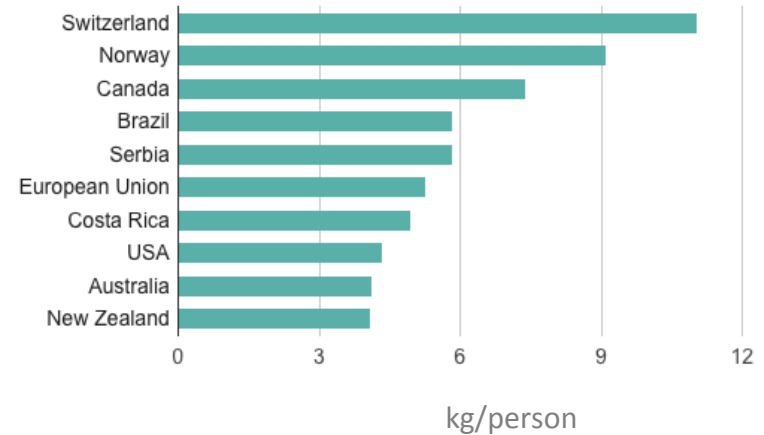
Domestic Consumption in the World from 2010 to 2015



Top 10 Countries in Domestic Consumption

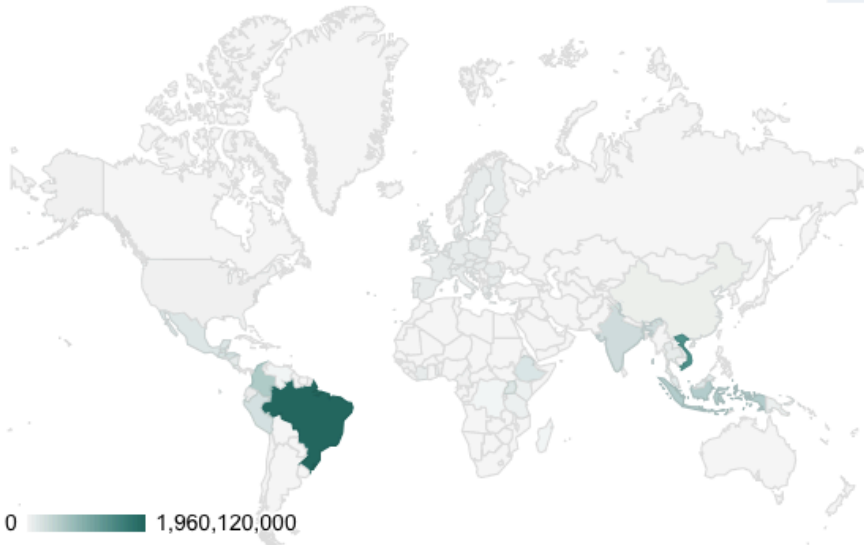


Top 10 Countries in Domestic Consumption

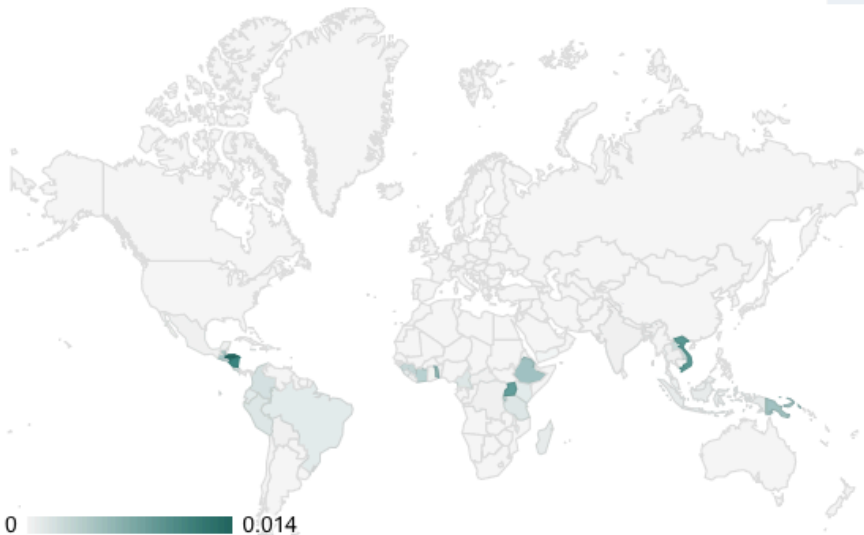
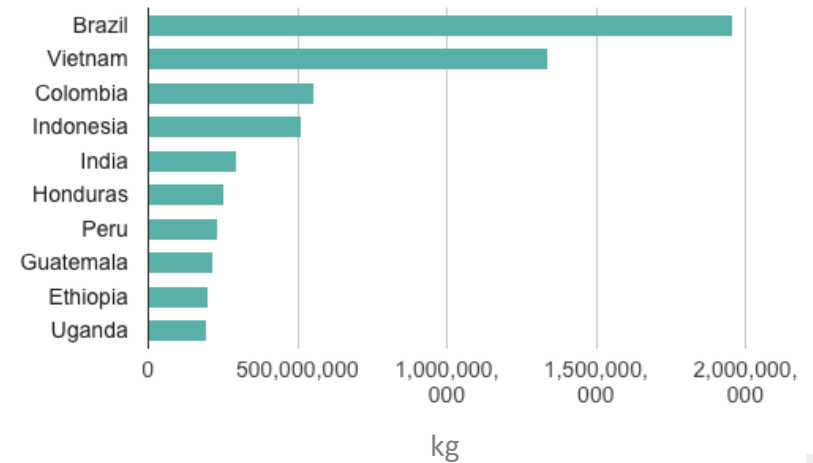


Exports

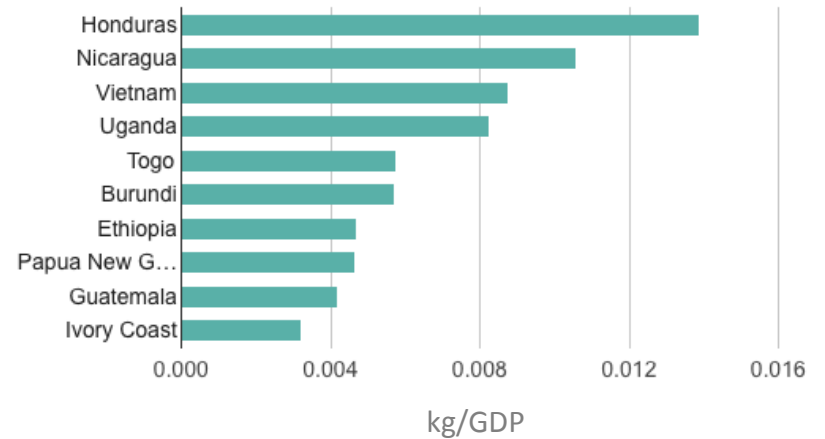
Exports in the World from 2010 to 2015



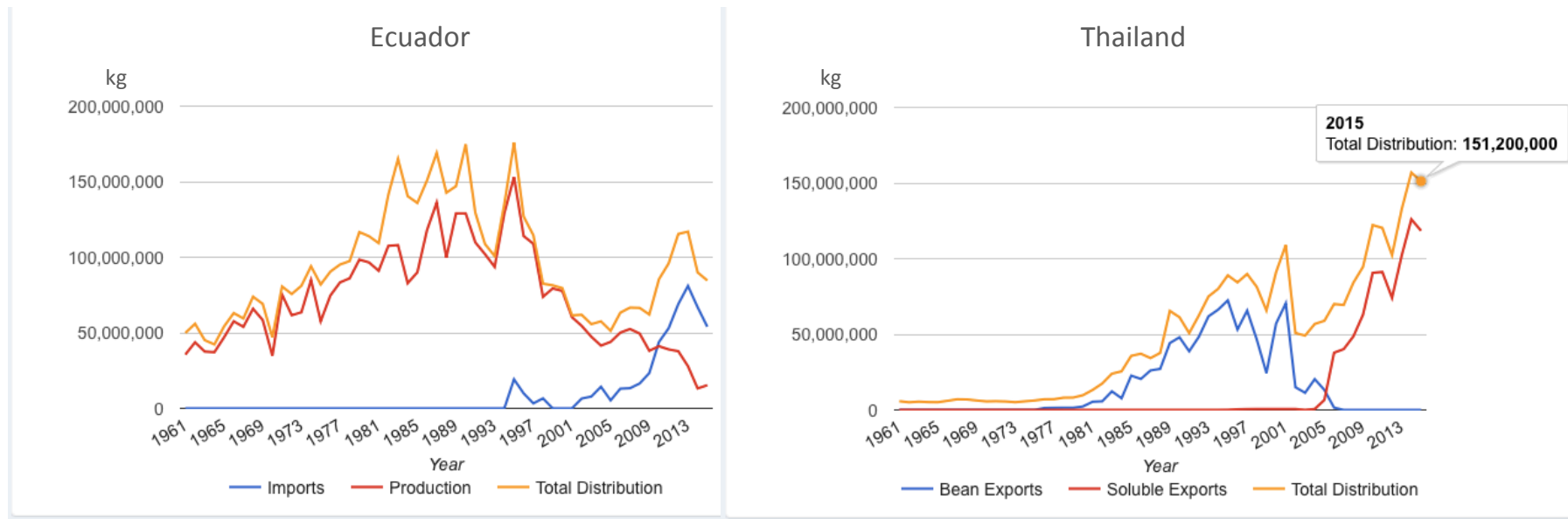
Top 10 Countries in Exports



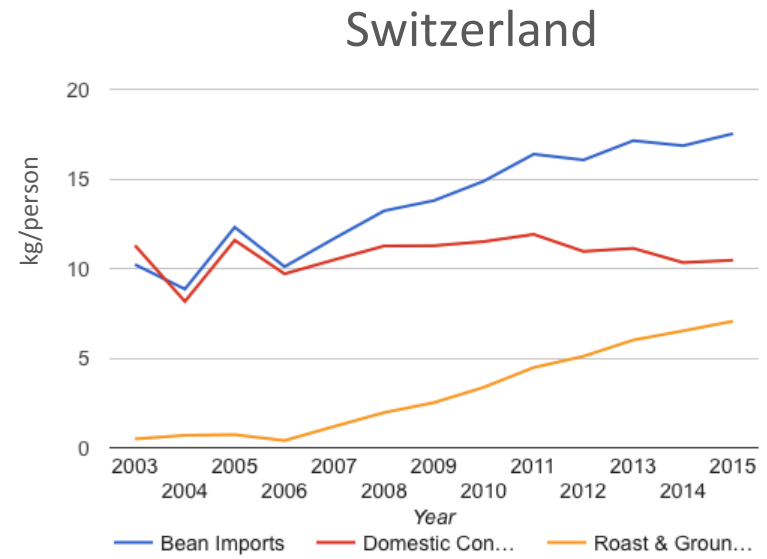
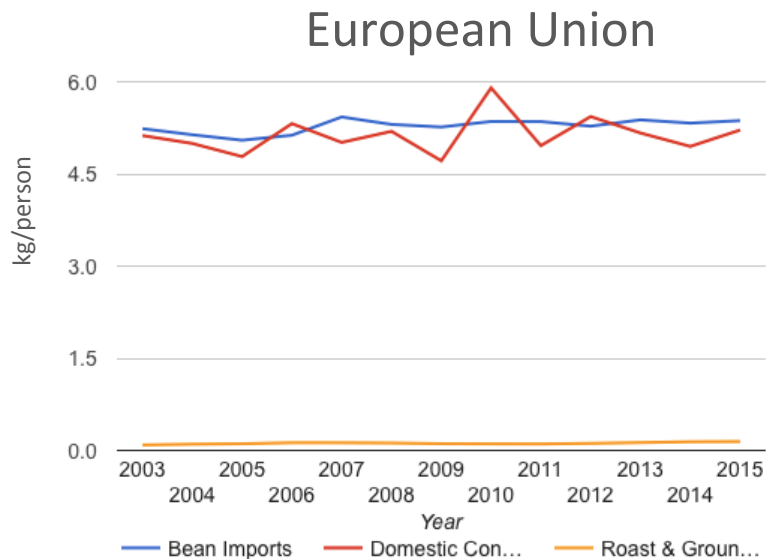
Top 10 Countries in Exports



How Total Distribution Is Shaped Differently in Different Countries

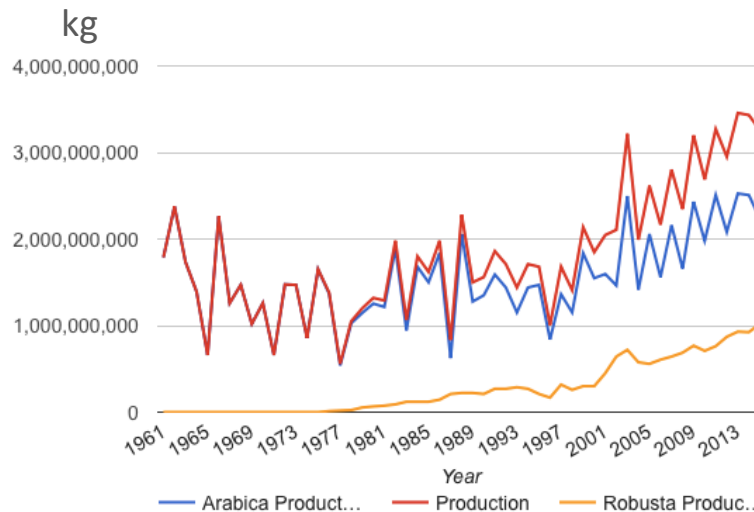


Does Import Always Correlate with Domestic Consumption?

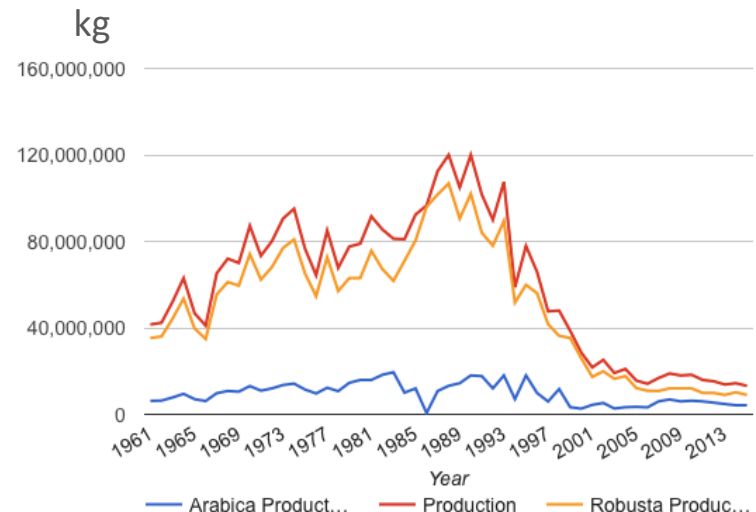


Production Type: Arabica and Robusta

Brazil

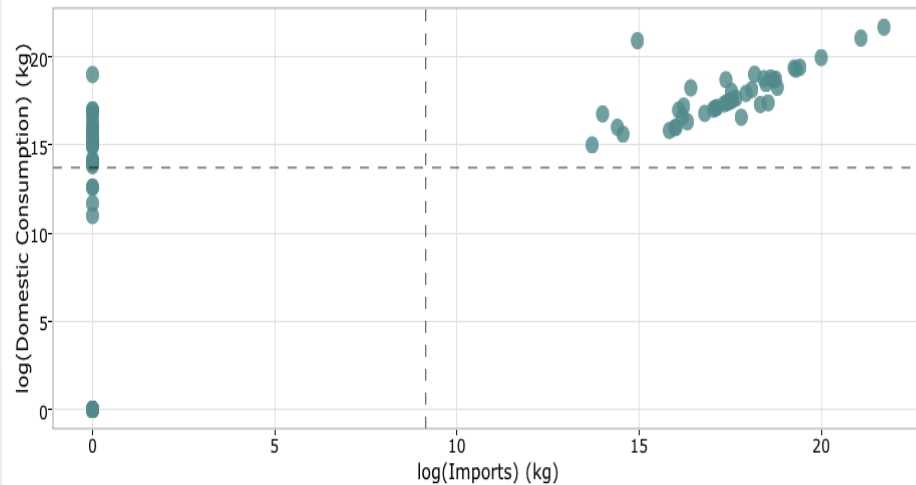


Democratic Republic of Congo



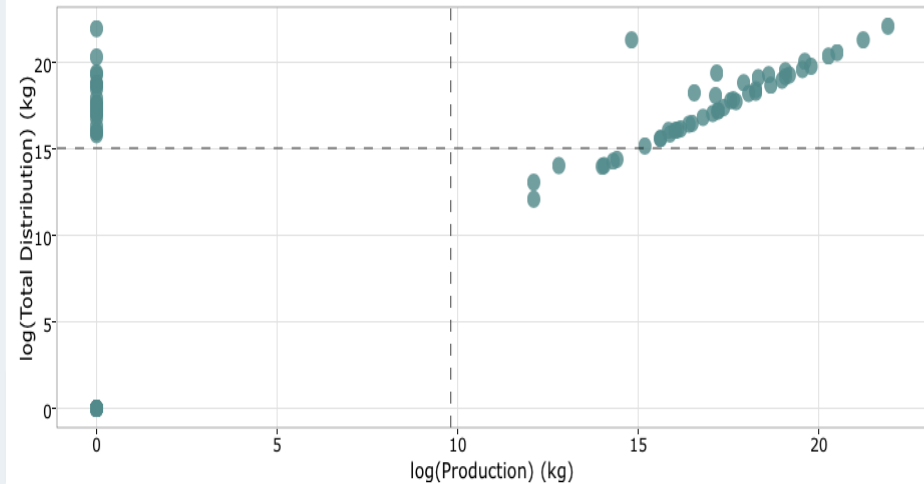
Correlation Between Two Categories

Domestic Consumption vs. Imports



Dashed line represents the average kg of the attribute selected

Total Distribution vs. Production



Dashed line represents the average kg of the attribute selected

Work More, Drink More?

Coffee: Global Trade



General View

Trend

Correlation

Fun Facts

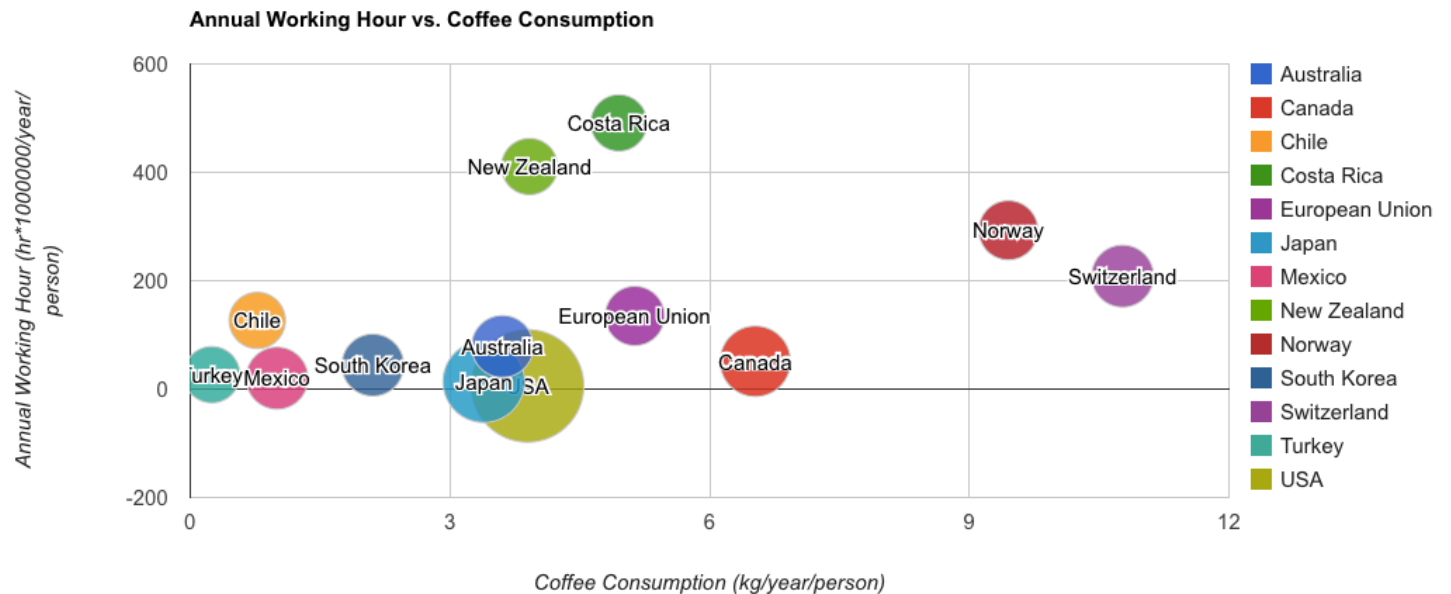
Info

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Work More, Drink More?



The size of bubbles corresponds to coffee consumption/annual working hour (kg/hr)

Demo Time!

- Global Coffee Trade app

https://annecool37.shinyapps.io/coffee_global_trade/



If I got more time...

- Integrate another dataset, price paid to coffee beans' grower, to my app
- Conduct cluster analysis based on the plot shown in correlation tab



Questions?

