



Worldwide Food and Feed Production

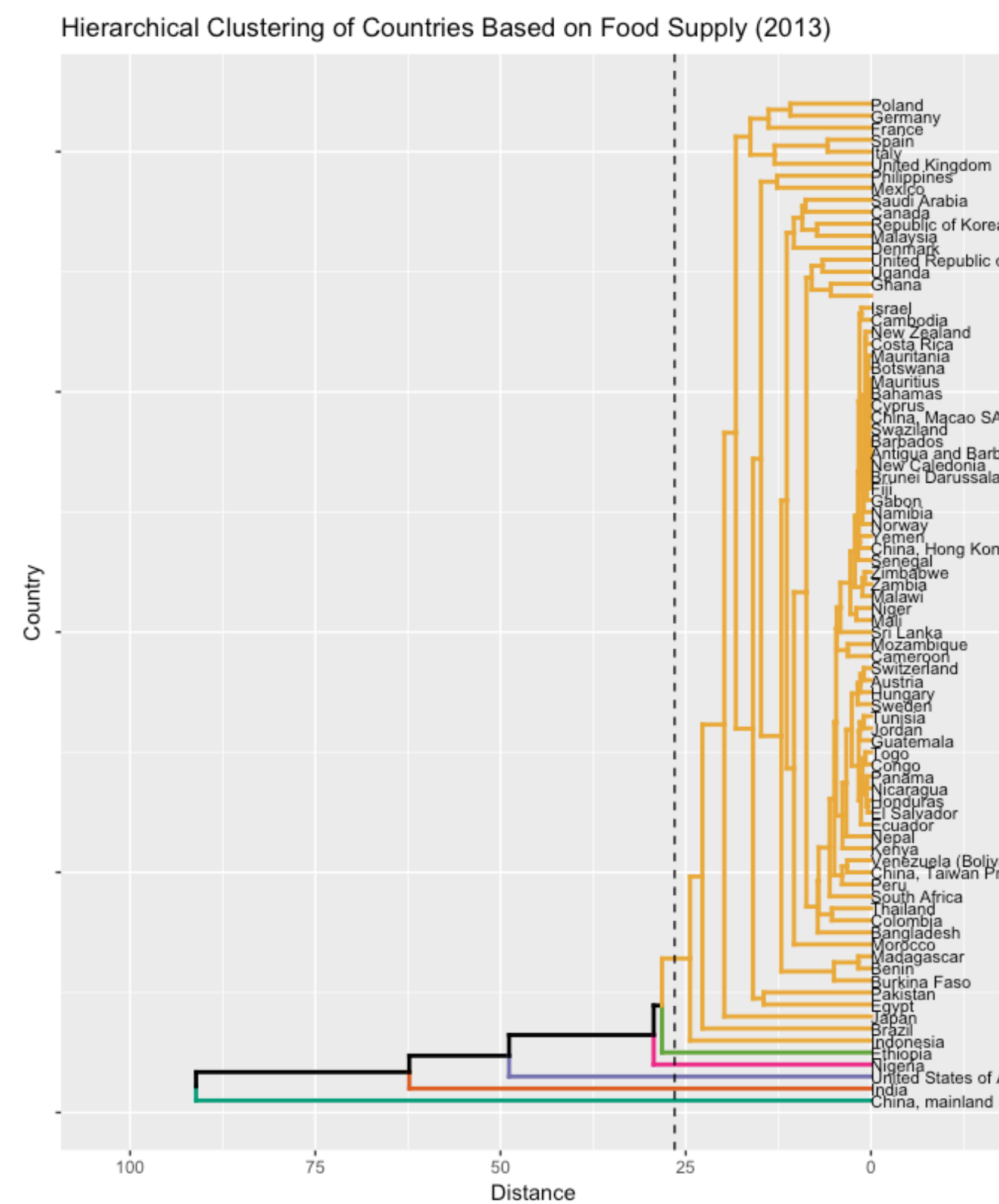
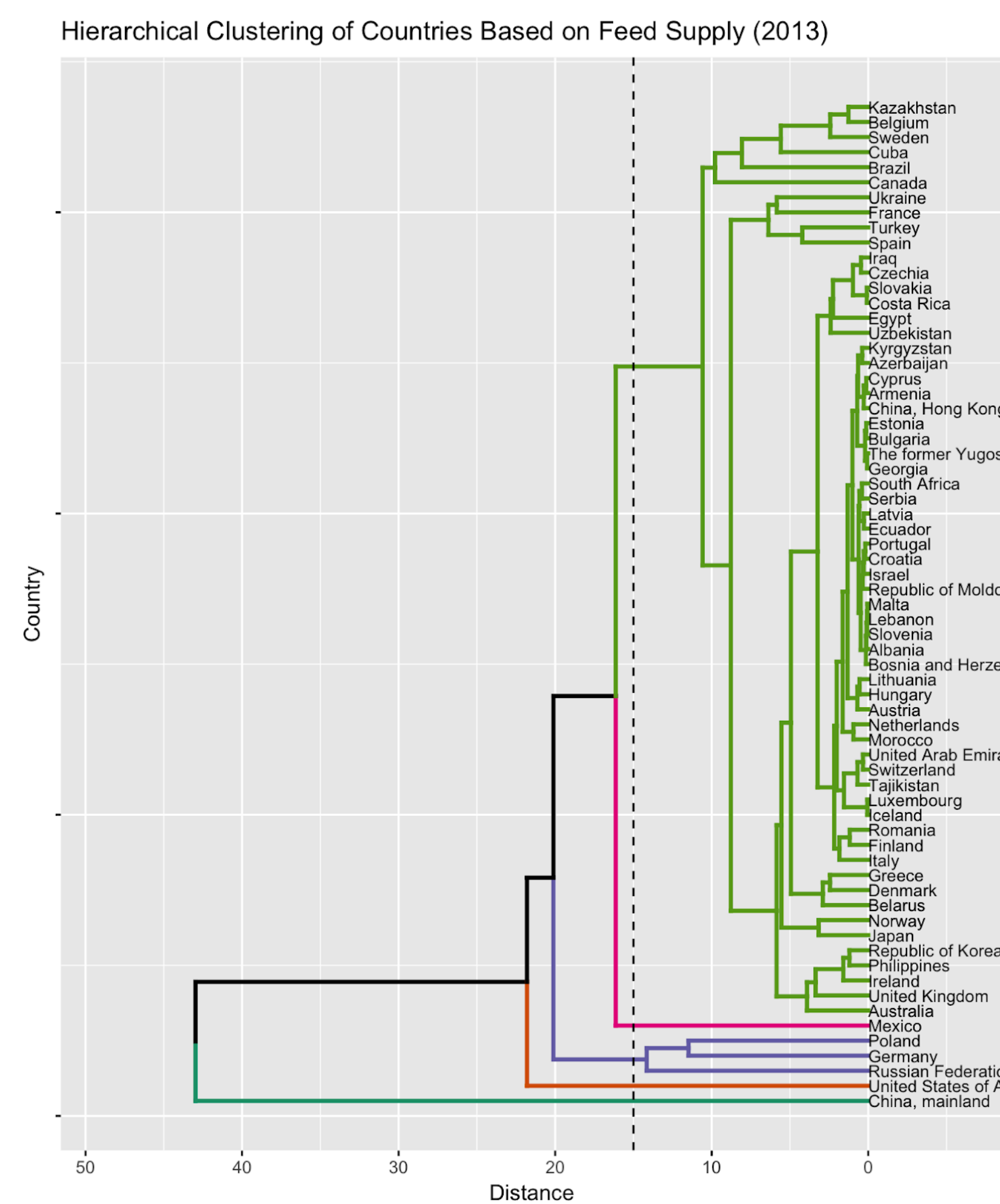
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Dataset - Background

- Food and feed produced in individual countries throughout the world
- 21478 rows, 63 columns. Each row corresponds to a country's production of one type of food/feed in one given year, ranging from 1961 to 2013.
- Data cleaning, filtering, and processing was difficult due to how the original dataset was formatted
- Source:** <https://www.kaggle.com/dorbicycle/world-foodfeed-production/data>

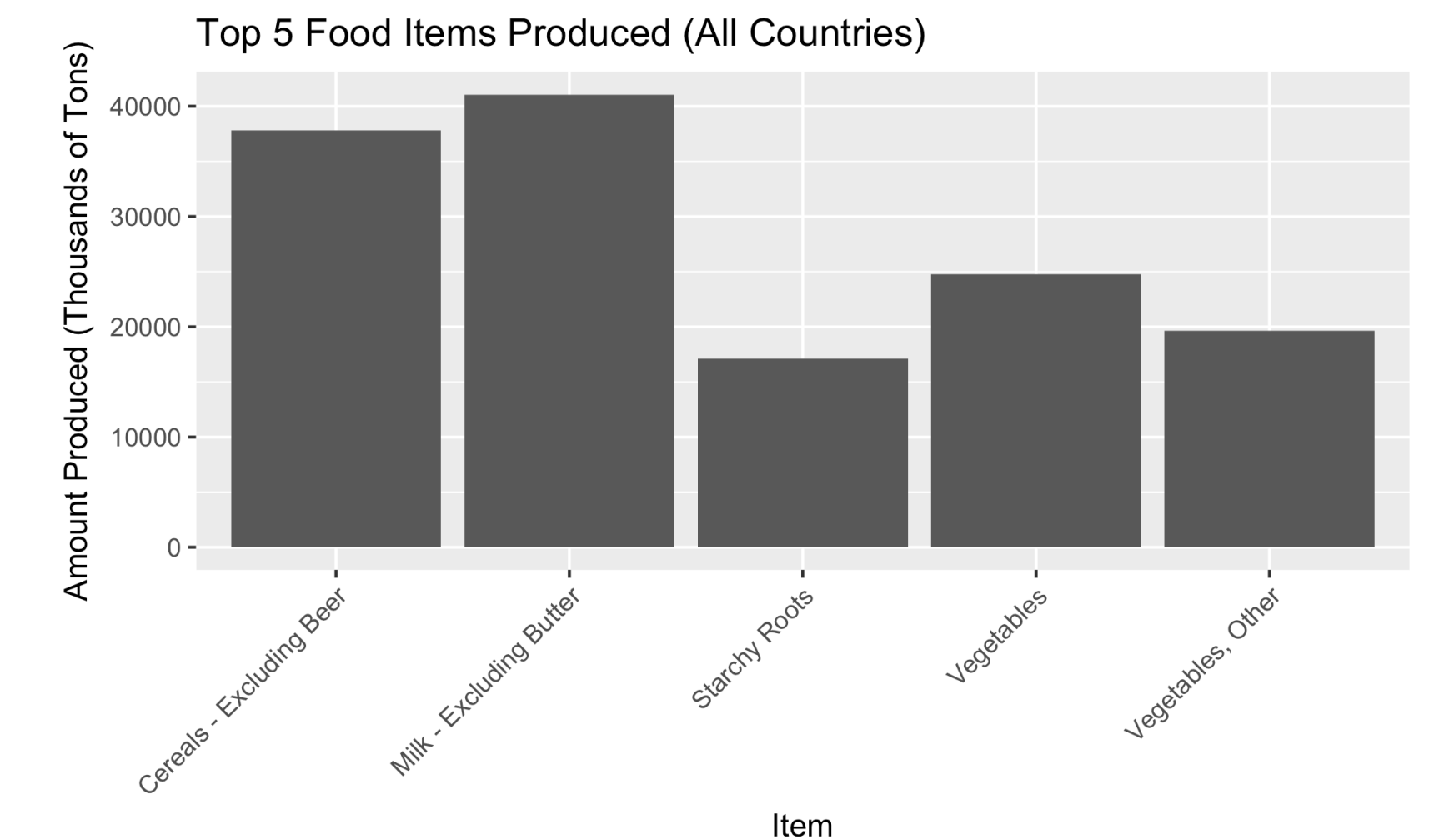
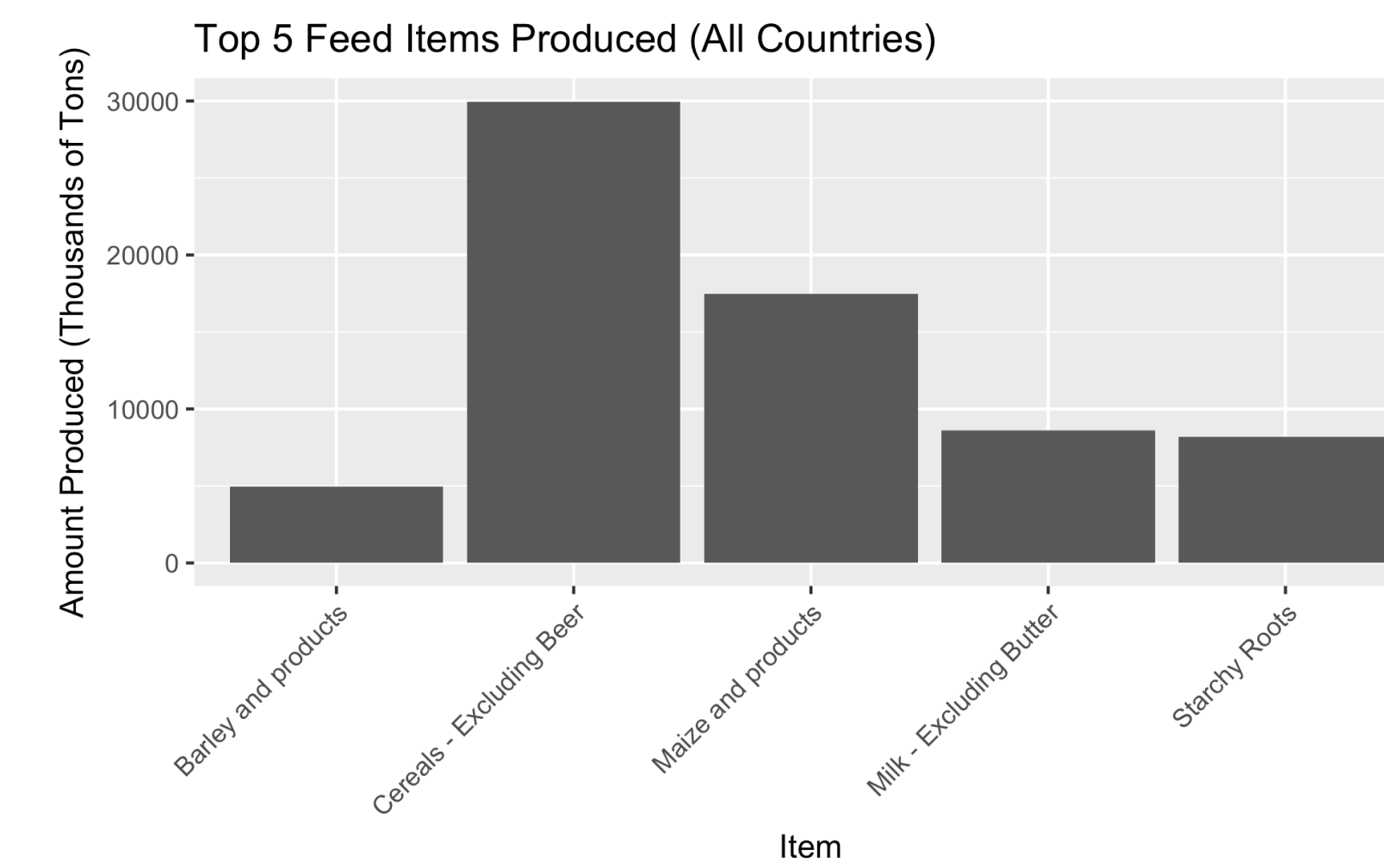
Country Clustering By Feed and Food Production

- Which countries are most similar to each other based on their food/feed supply data?



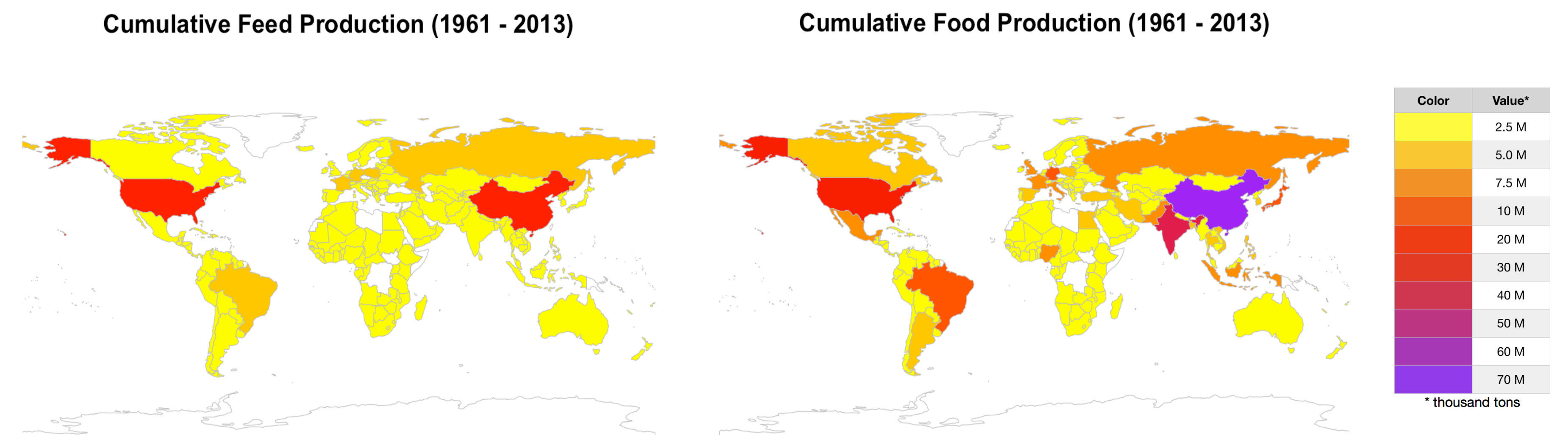
Top Feed and Food Production Items

- We found that **'Cereals – Excluding Beer'** was the most produced overall as well as the most produced feed, while **'Milk – Excluding Butter'** was the most produced food.



Feed and Food Production Heat Map

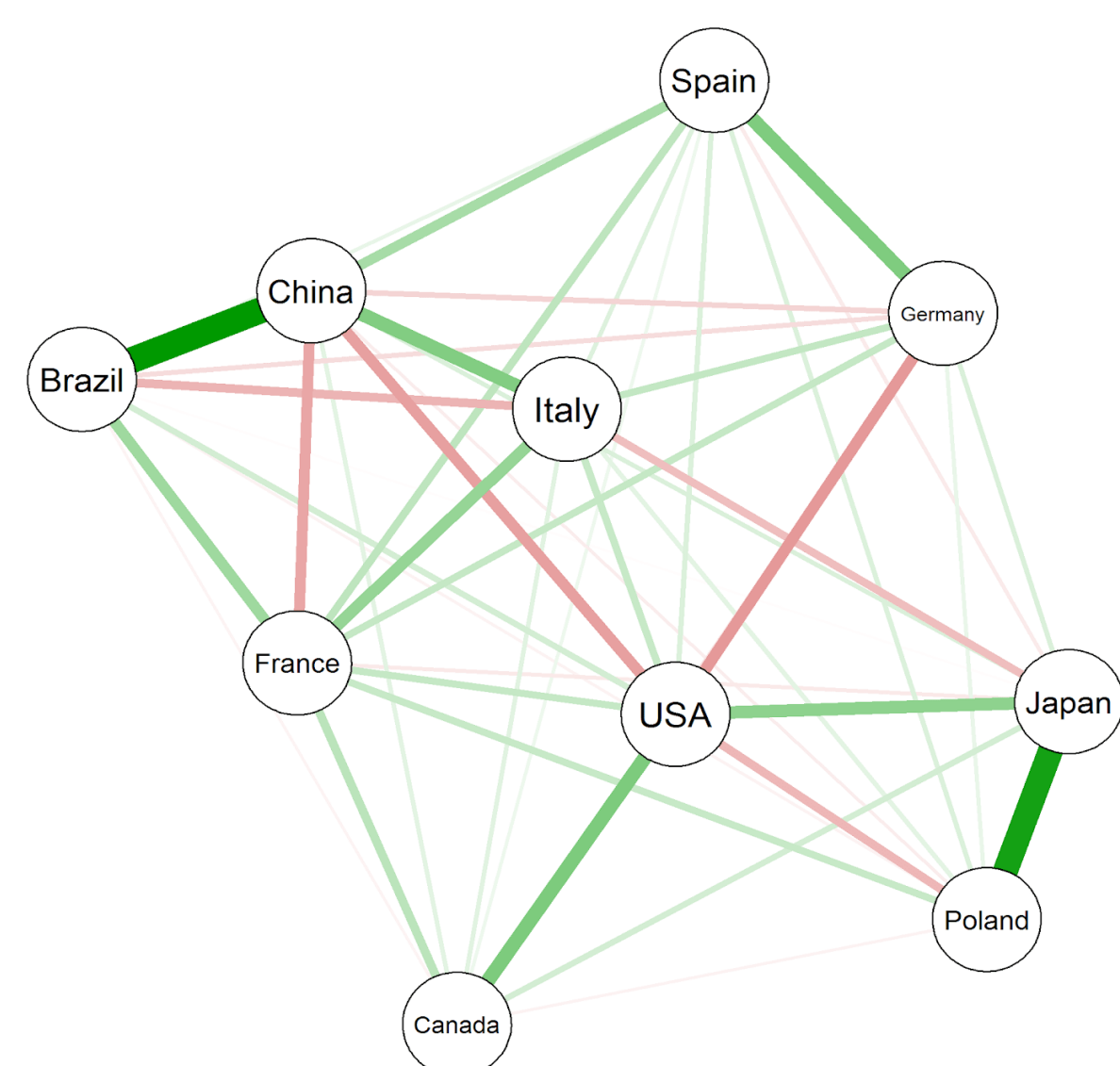
- How much feed and food does each country produce cumulatively?



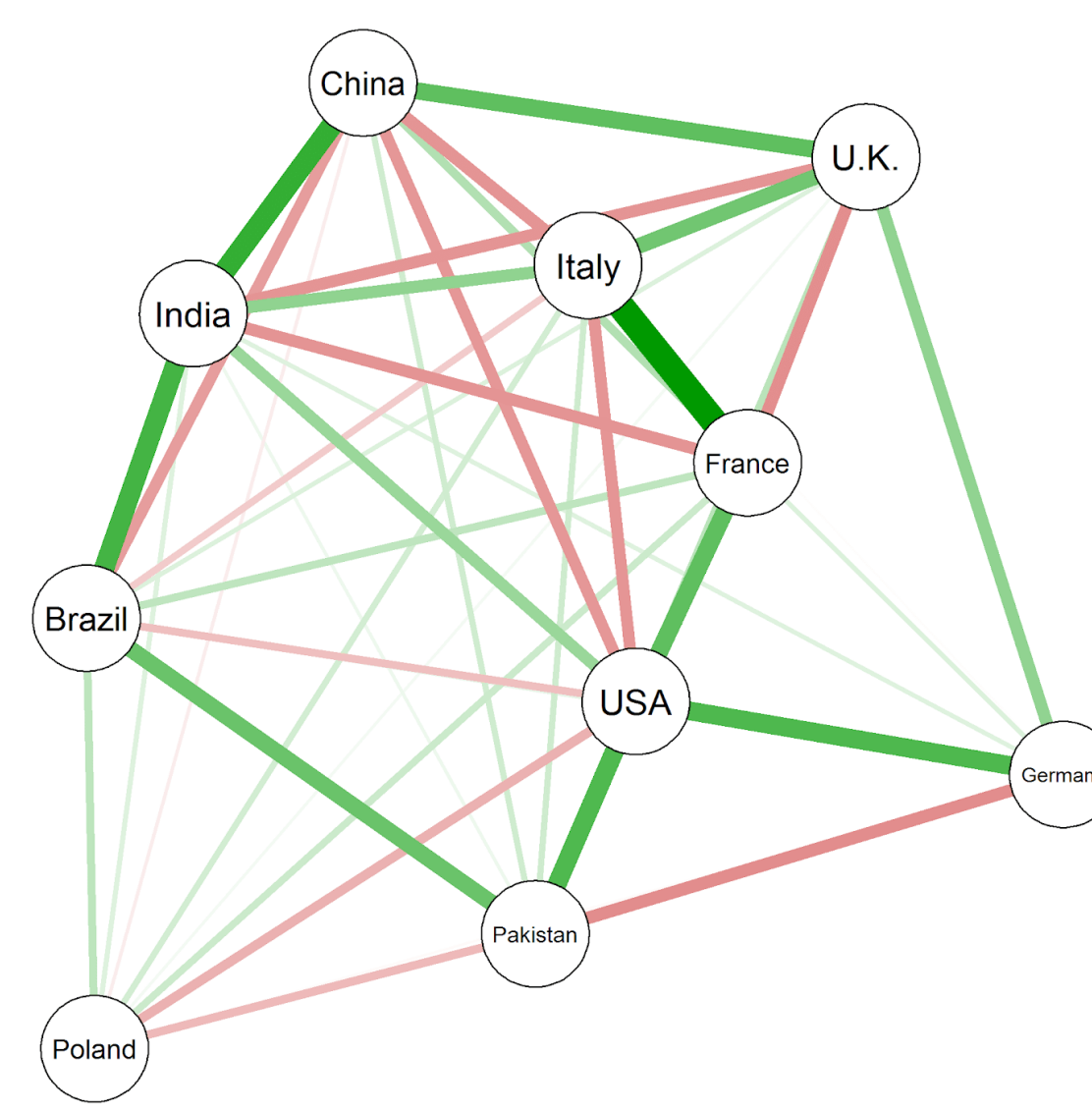
Feed and Food Production Relationships

- Do correlations between countries feed/food production reveal any meaningful relationships?

Partial Correlations Among Top 10 Producers of Cereal (Excluding Beer) for 1961-2013



Partial Correlations Among Top 10 Producers of Milk (Excluding Butter) for 1961-2013



Top Feed and Food Item Production Over Time

- How does production of the top items change over time? Can we find events that caused dips or spikes?

