

The transnational migration of ingredients

Therese F. Martin, D.B.A.

Notebook

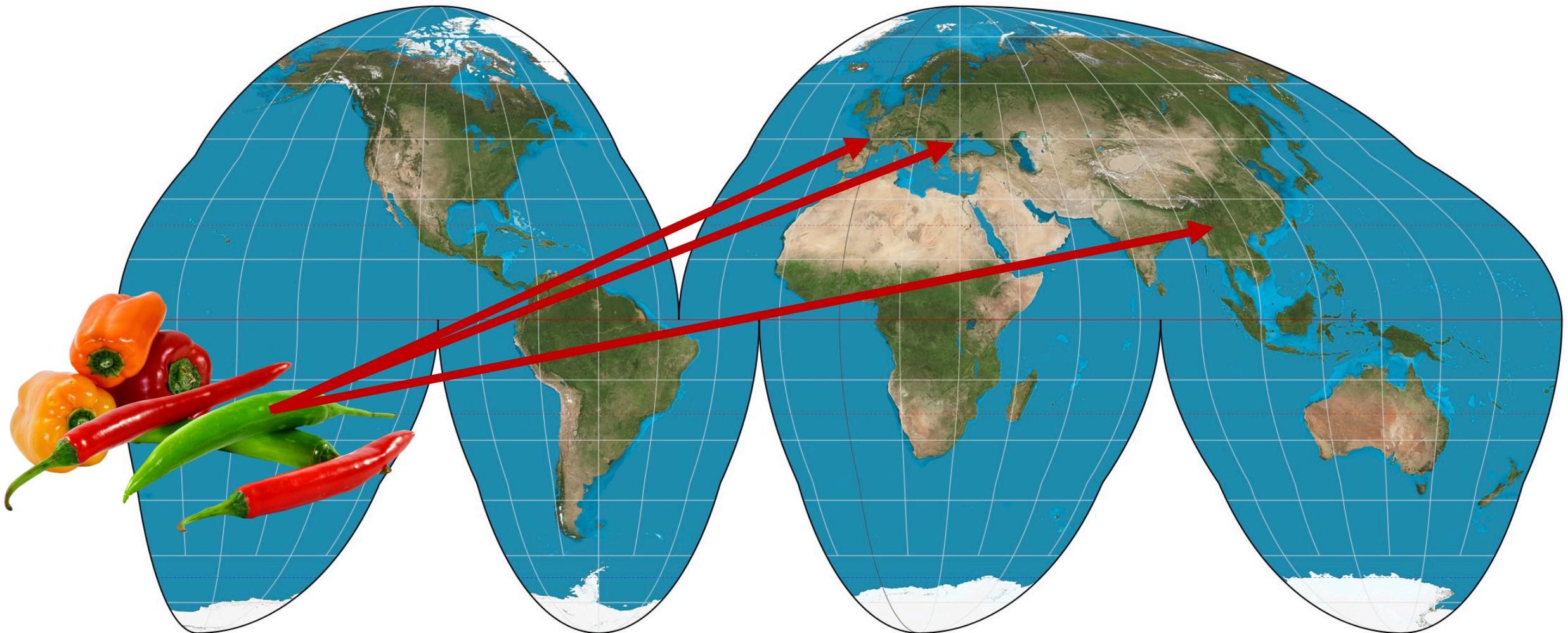
The Data Incubator Application

Ingredients that travel





Where's the pepper?





Data Source

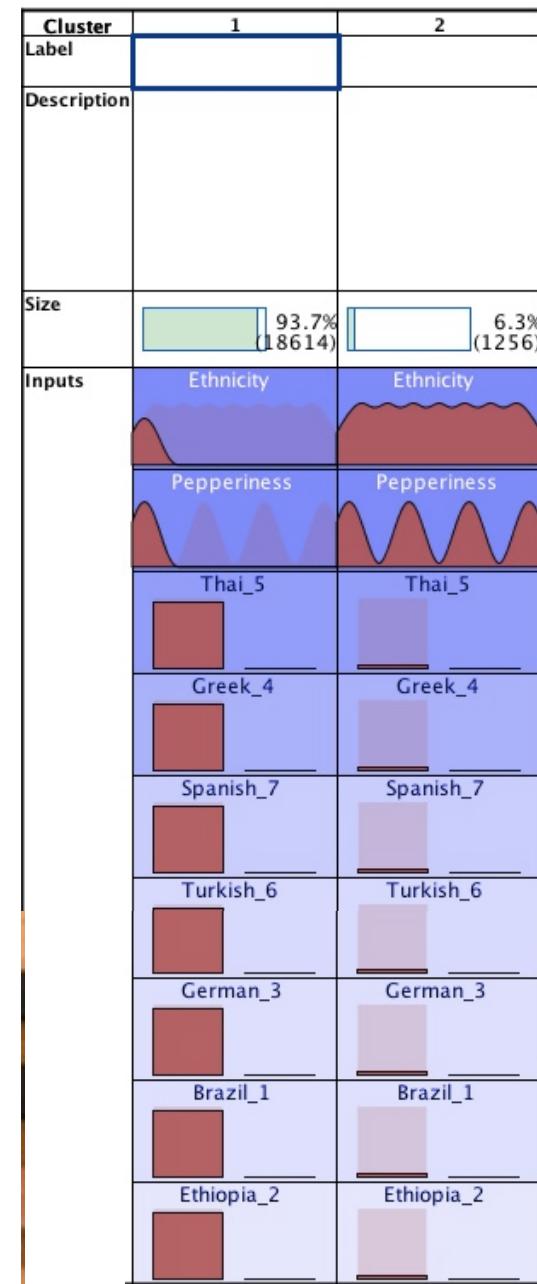
- Kaggle.com
- Hugo Darwood's Epicurious - Recipes with Rating and Nutrition
 - Over 20k recipes 55.3MB in CSV,
 - Metacolumns include garlic, red pepper, chili pepper, green pepper
- Next Steps
 - Expand ethnicity classification
 - Create variables for commonly used ingredients, such as the onion family
 - Rerun regressions
 - Rerun cluster analysis
 - Map clusters



Clusters

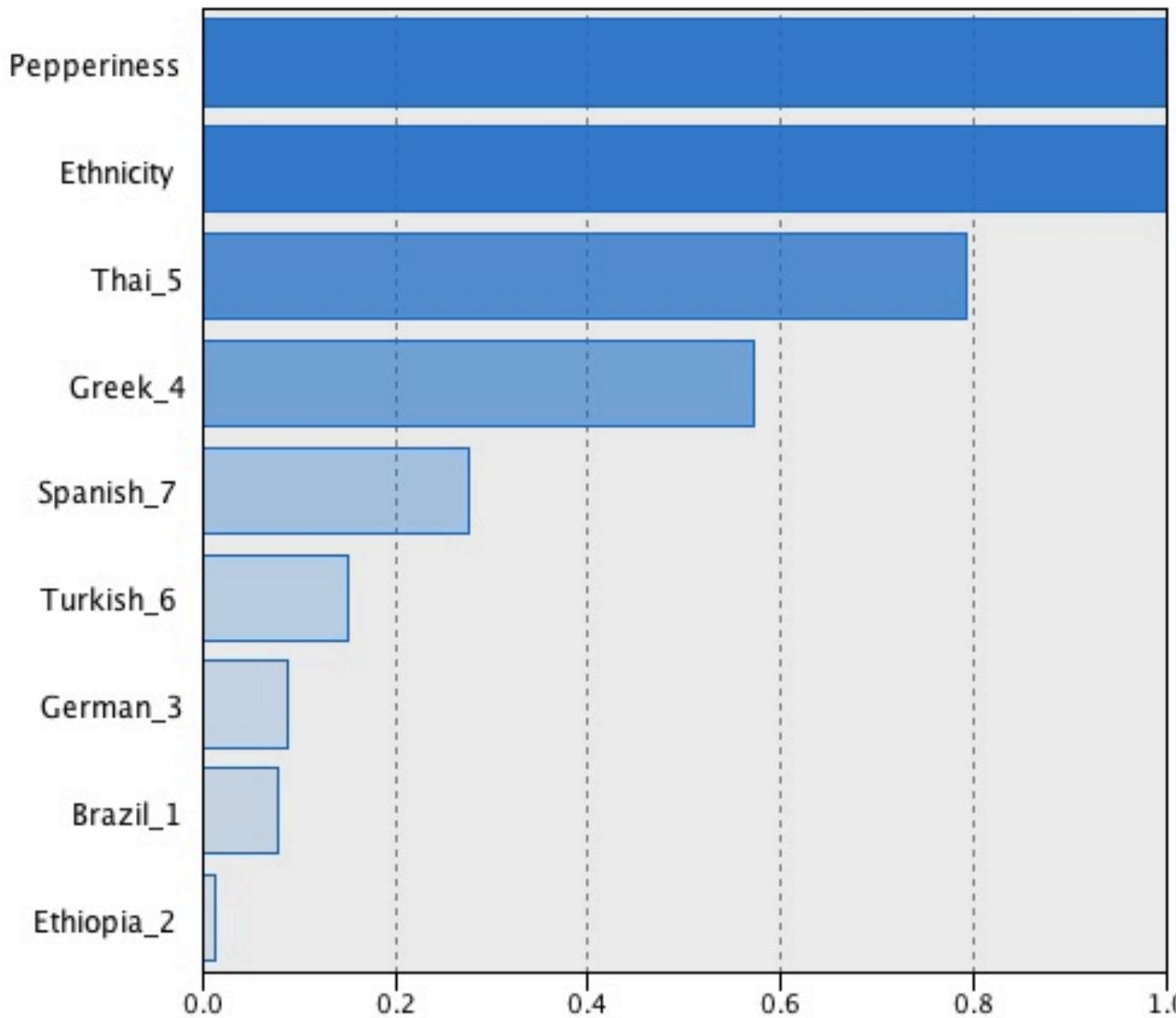
This preliminary examination begins to cluster the data into two groups. Expanding the ethnicity list & the pepperiness scale and including other variables, such as the onion family, will create more clusters.

Input (Predictor) Importance
■ 1.0 ■ 0.8 ■ 0.6 ■ 0.4 ■ 0.2 ■ 0.0



Predictor Importance

Pepperiness and ethnicity have substantial influence over the model.





This preliminary examination suggests that pepperiness predicts the ethnicity of the food.

Regression Plots

Normal P-P Plot of Regression Standardized Residual

