

# ANALYZING U.S. FOOD IMPORT TRENDS USING STATISTICAL ANALYSIS

A DATA-DRIVEN APPROACH TO SUPPLY CHAIN  
RISK AND FORECASTING

GROUP 1





# RESEARCH QUESTIONS

HOW HAVE FOOD IMPORT  
VOLUMES AND VALUES  
EVOLVED?

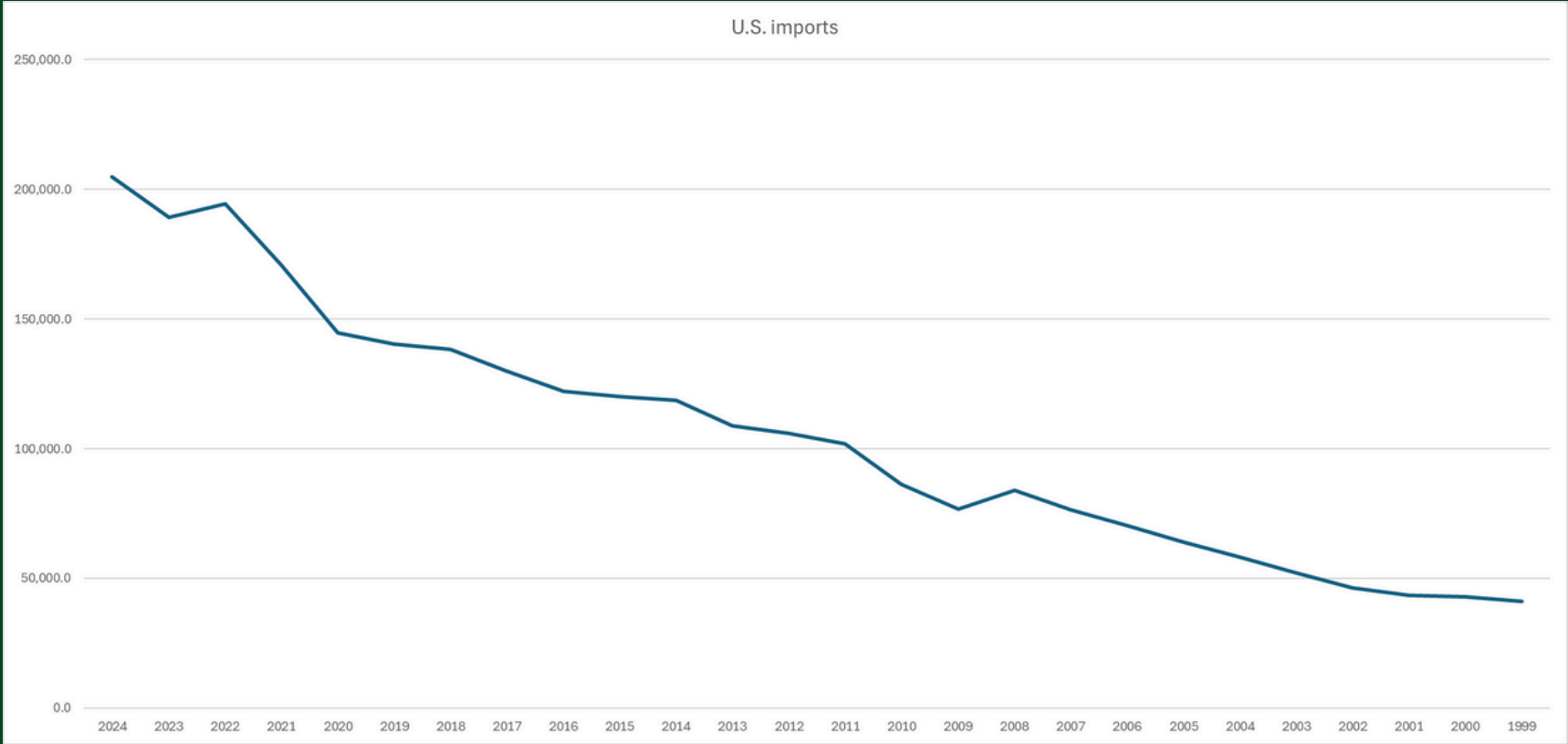
WHAT IS THE  
RELATIONSHIP BETWEEN  
PRICES AND VOLUMES?

CAN WE FORECAST  
FUTURE IMPORT TRENDS?

WHICH CATEGORIES  
SHOW VOLATILITY  
(DECISION TREES)?

WHAT PRESCRIPTIVE  
ACTIONS CAN IMPROVE  
RESILIENCE?

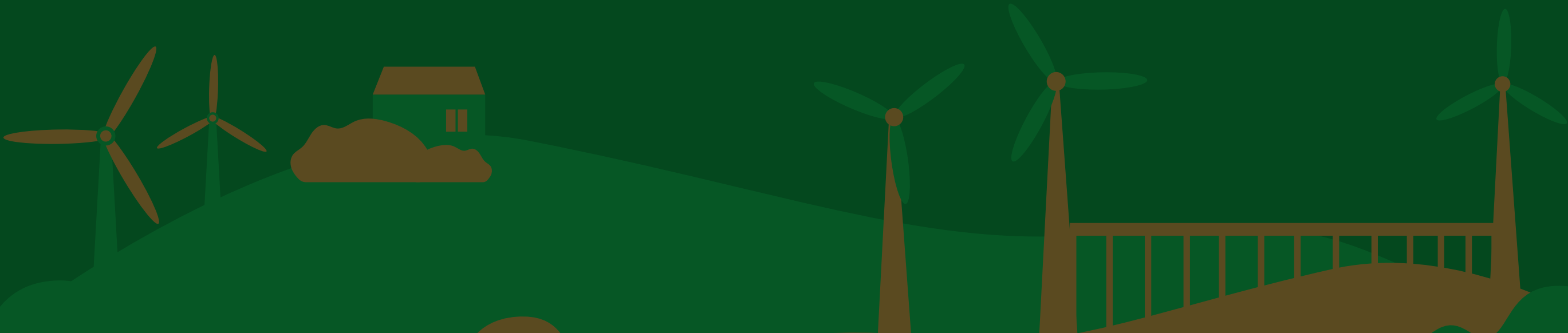




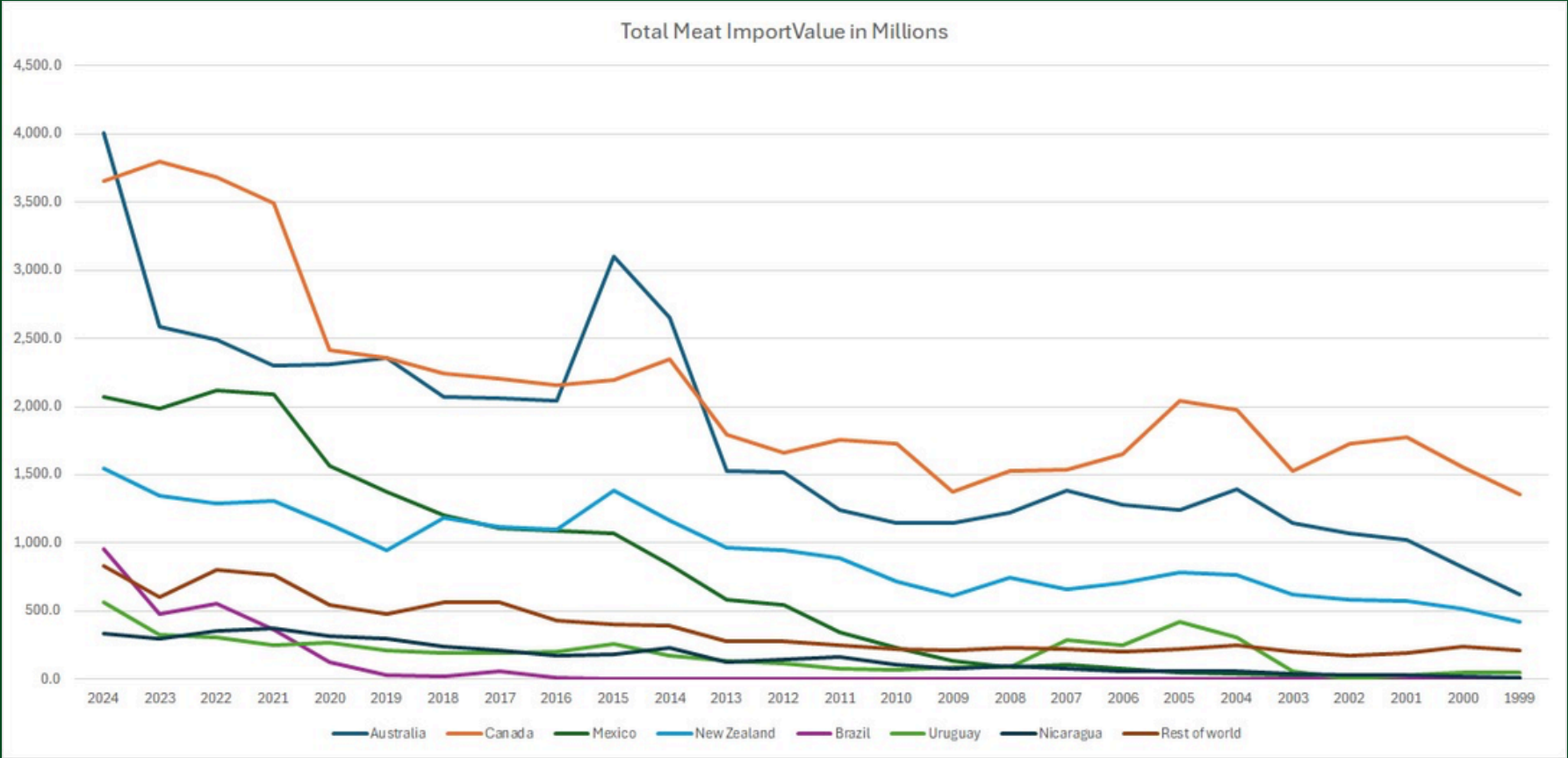
CATEGORY

- 1.CONTENT  
2.FOODVALUE  
3.FOODVOLUME  
4.ANIMALS  
5.BEVERAGES  
6.COCA  
7.COFFEE  
8.DAIRY  
9.FISH  
10.FRUIT  
11.GRAINS  
12.MEATS
13. NUTS  
14. OTHER  
15. SWEETS  
16. VEGETABLES  
17. VEGOILS  
18. PRICES

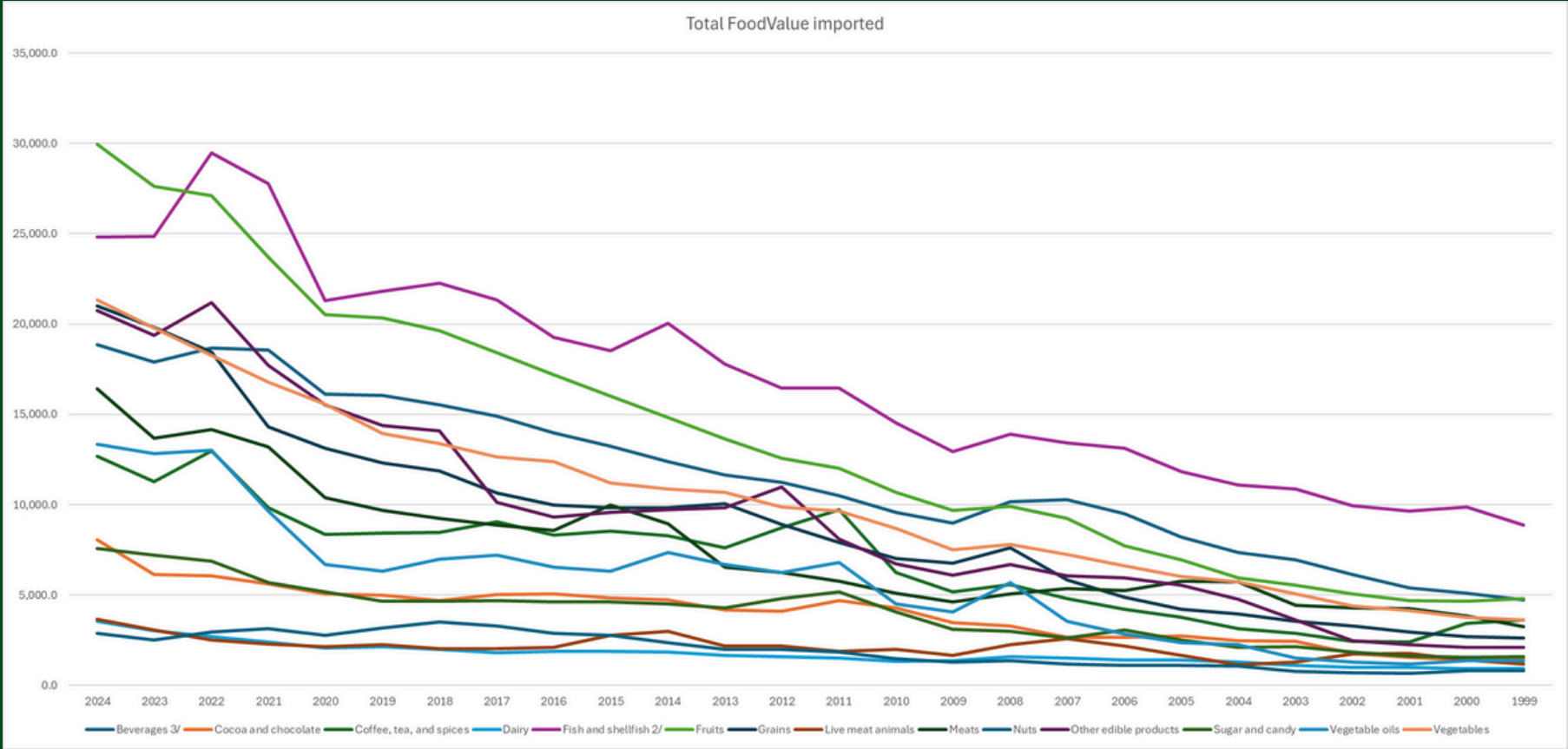
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Class :character	1st Qu.:2005	1st Qu.: 31.9
Mode :character	Median :2012	Median : 174.6
	Mean :2012	Mean : 646.9
	3rd Qu.:2018	3rd Qu.: 752.4
	Max. :2024	Max. :13965.9



# EXPLORATORY DATA ANALYSIS



Total Meat FoodValue Imports

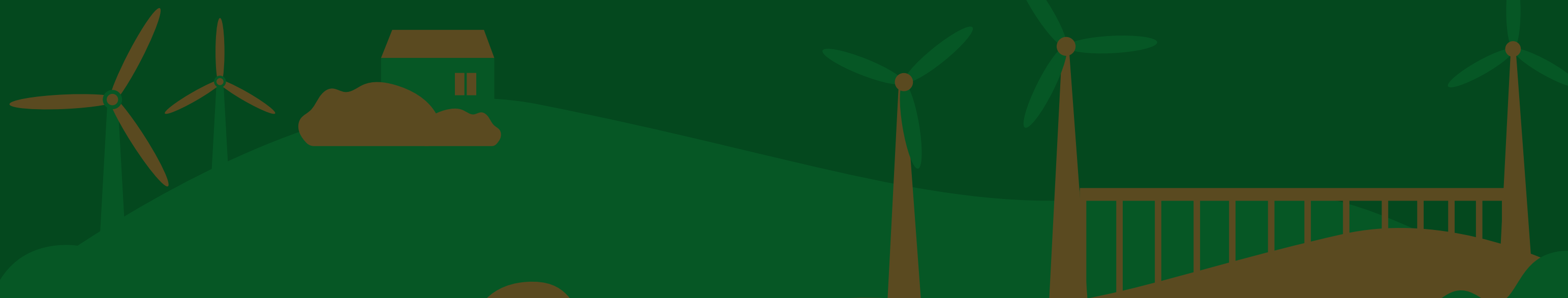
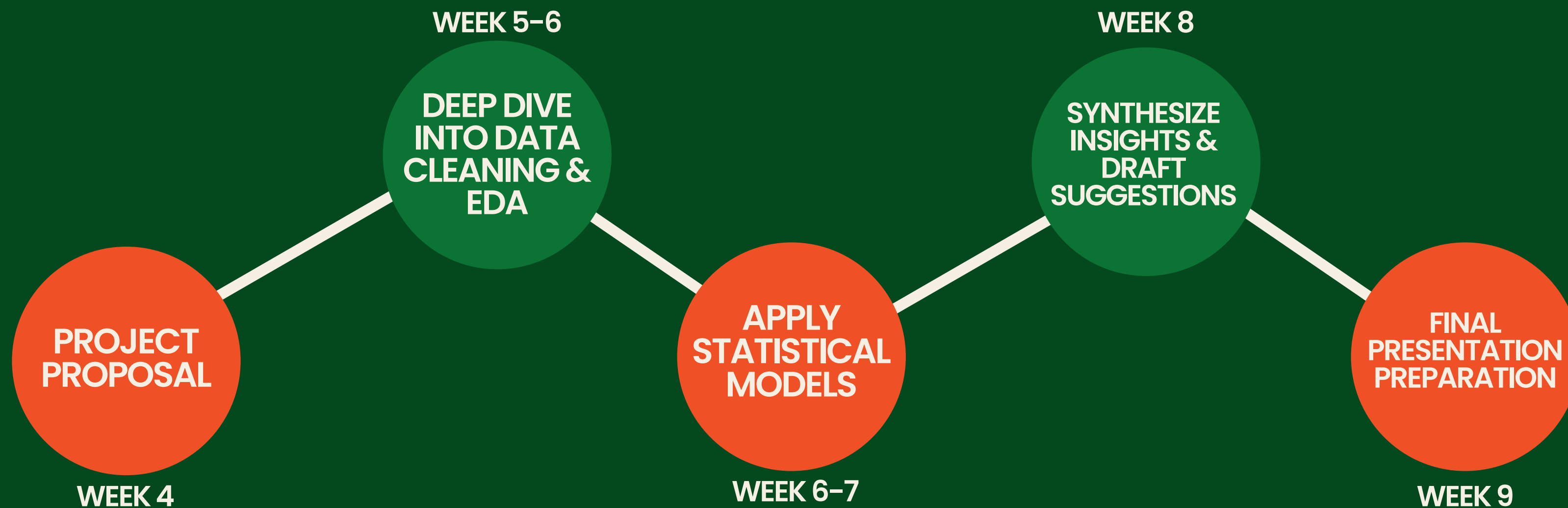


Total FoodValue Imports





# ROADMAP



# THANK YOU

