

PRICE DIFFERENCE IN COMMODITIES BEFORE AND AFTER COVID-19

**PRESENTATION BY
ROHIL**

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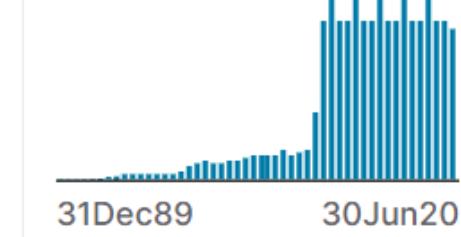
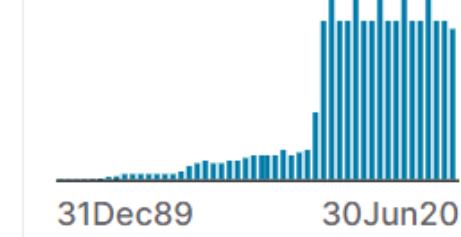
REFERENCES

INTRODUCTION

Disparities in global food prices across nations stem from intricate economic structures, agricultural practices, and consumer behaviors.



DATASET

#		month	country	price_type	market	commodity	price
Id		The month in which the data was collected. (Date)	The country in which the data was collected. (String)	The type of price (domestic or international) that was collected. (String)	The market in which the data was collected. (String)	The type of commodity that was collected. (String)	Price
0	 171k			Retail Wholesale	71% 29%	National Average Panama City Other (146661)	13% 1% 86%
15	3/1/2019	Cote d'Ivoire	Retail	Abidjan	Attiéké	0.66	
16	2/1/2019	Cote d'Ivoire	Retail	Abidjan	Attiéké	0.68	
17	1/1/2019	Cote d'Ivoire	Retail	Abidjan	Attiéké	0.58	
18	12/1/2018	Cote d'Ivoire	Retail	Abidjan	Attiéké	0.58	
19	11/1/2018	Cote d'Ivoire	Retail	Abidjan	Attiéké	0.58	
20	10/1/2018	Cote d'Ivoire	Retail	Abidjan	Attiéké	0.62	
21	9/1/2018	Cote d'Ivoire	Retail	Abidjan	Attiéké	0.63	

RESEARCH QUESTIONS

01

02

03

04

QUESTION

Which nation has highest price in commodities after Covid to send required support?

QUESTION

What are the top 10 commodities in these nations to understand where the countries are lacking?

QUESTION

Analyzing the trends in commodities in Sri Lanka to highlight the change in prices post national crisis and civil war.

QUESTION

What are the Implications for Future Economic Resilience and Policy Planning?

METHODOLOGY



Data
Selection
and Analysis



Data
Merging and
Cleaning



Qualitative
Analysis on
the derived
dataset

Dom - After Covid

dom_clean_data+ (4)

```
IF [Month] >= DATE("2020-01-01") THEN "Yes"  
ELSEIF [Month] >= DATE("2018-01-01") AND [Month] <= DATE("2019-12-01") THEN "No"  
ELSE "NA"  
END
```

Avg Price After Covid

dom_clean_data+ (4)

```
{FIXED [Country]: AVG(IF [Dom - After Covid ] = 'Yes' THEN [Price] END)}
```

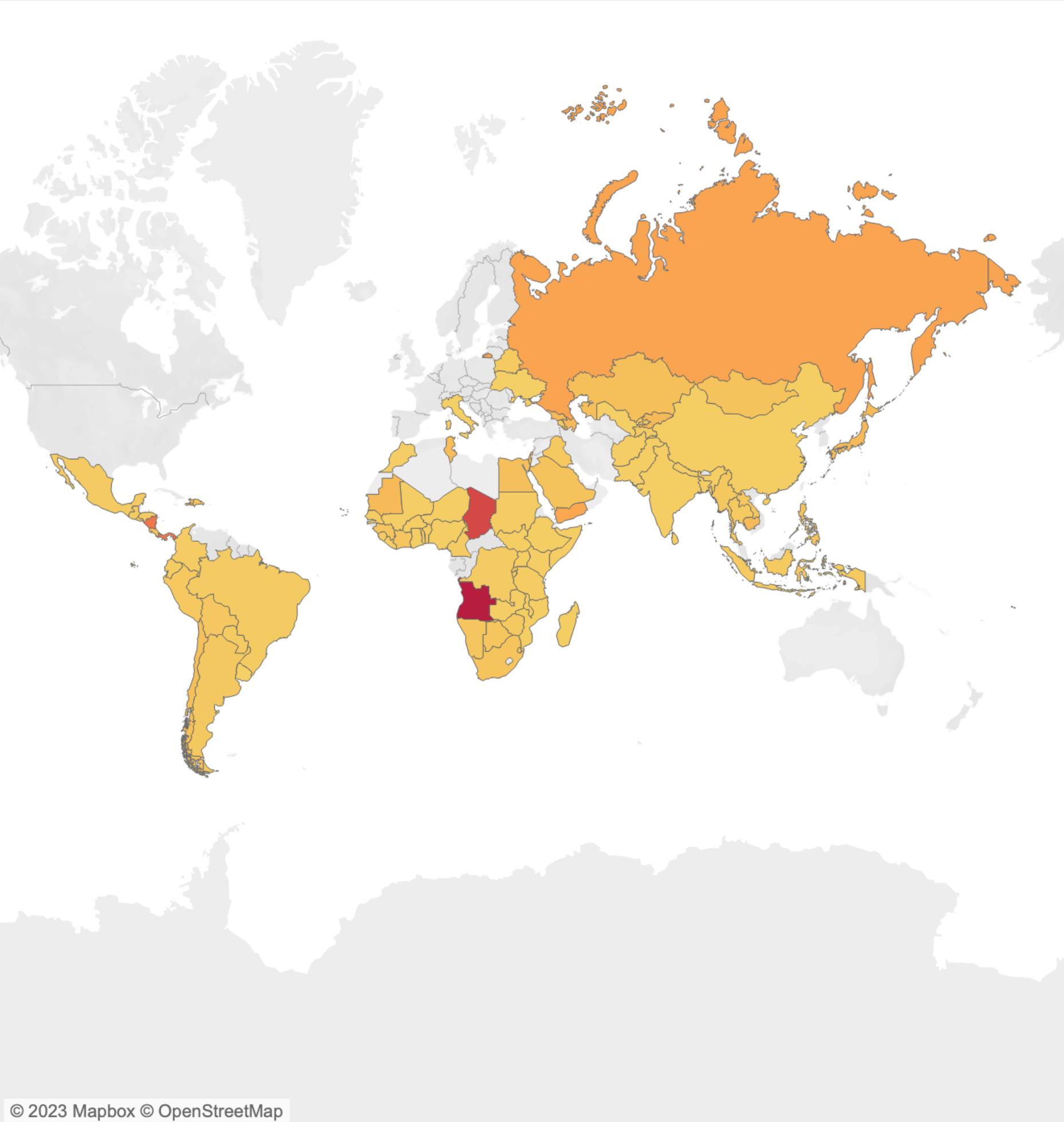
Avg Price Before Covid

dom_clean_data+ (4)

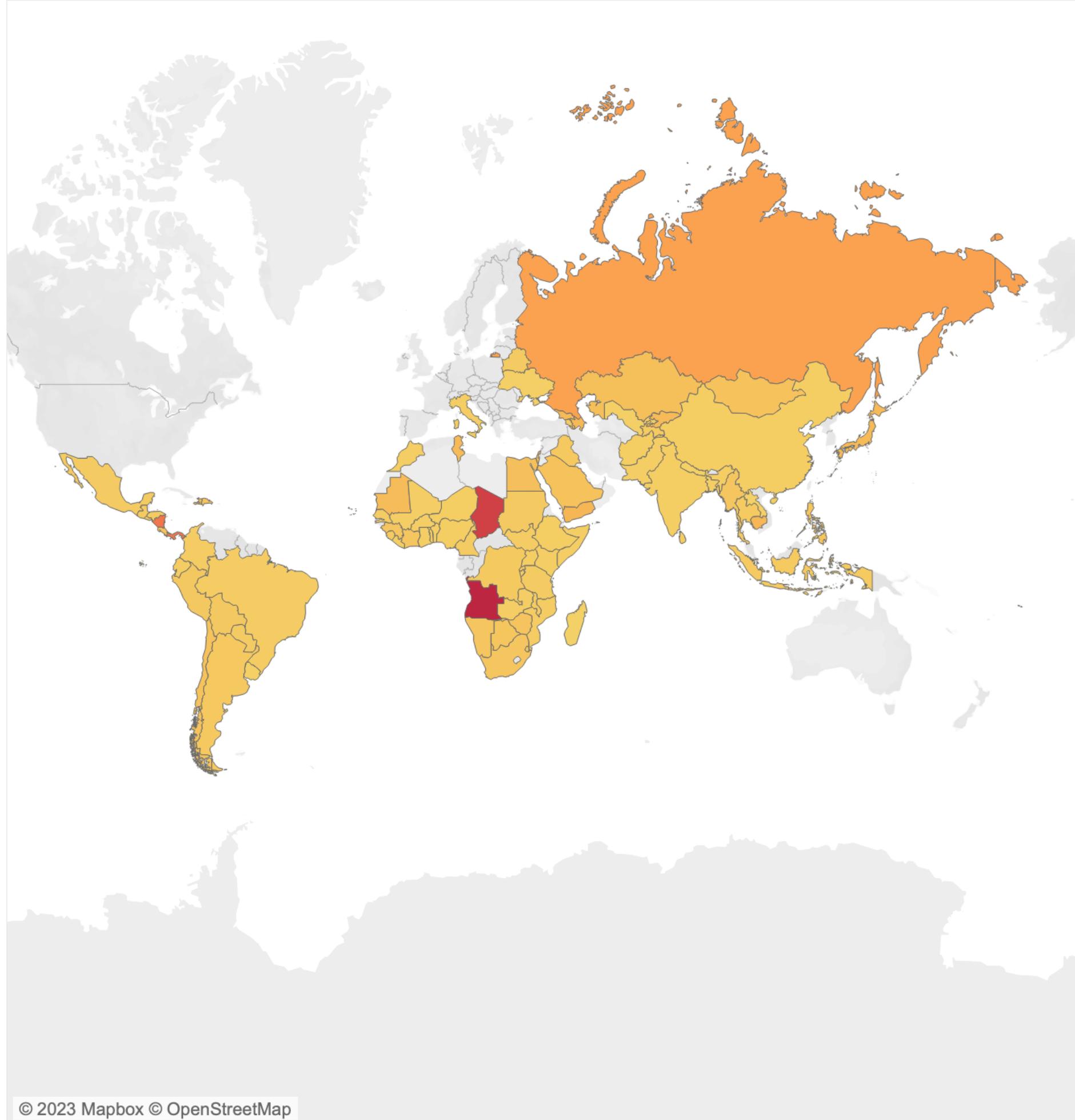
```
{FIXED [Country]: AVG(IF [Dom - After Covid ] = 'No' and  
[Dom - After Covid ] = 'NA' THEN [Price] END)}
```

Variable Examples

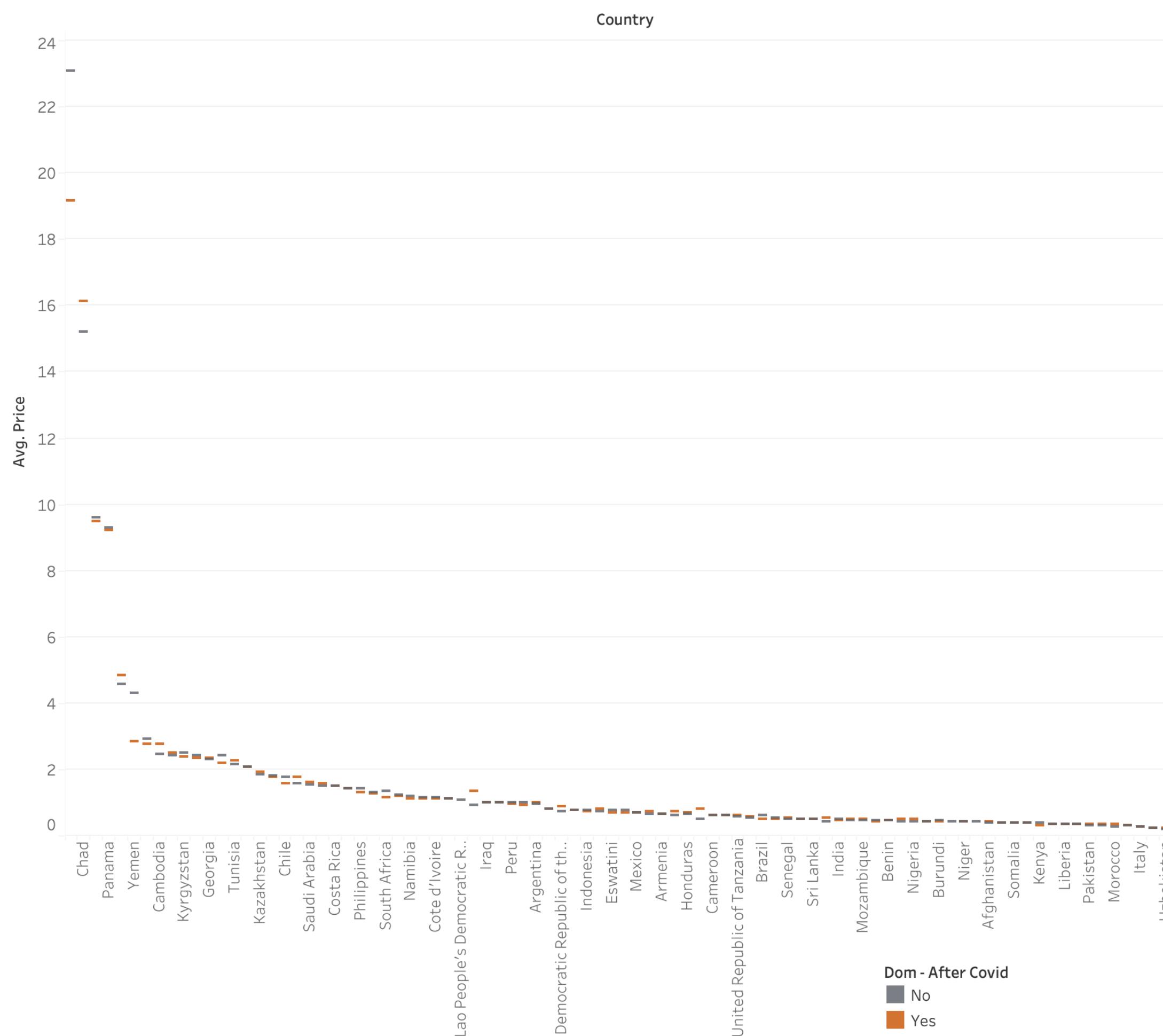
Map Before Covid



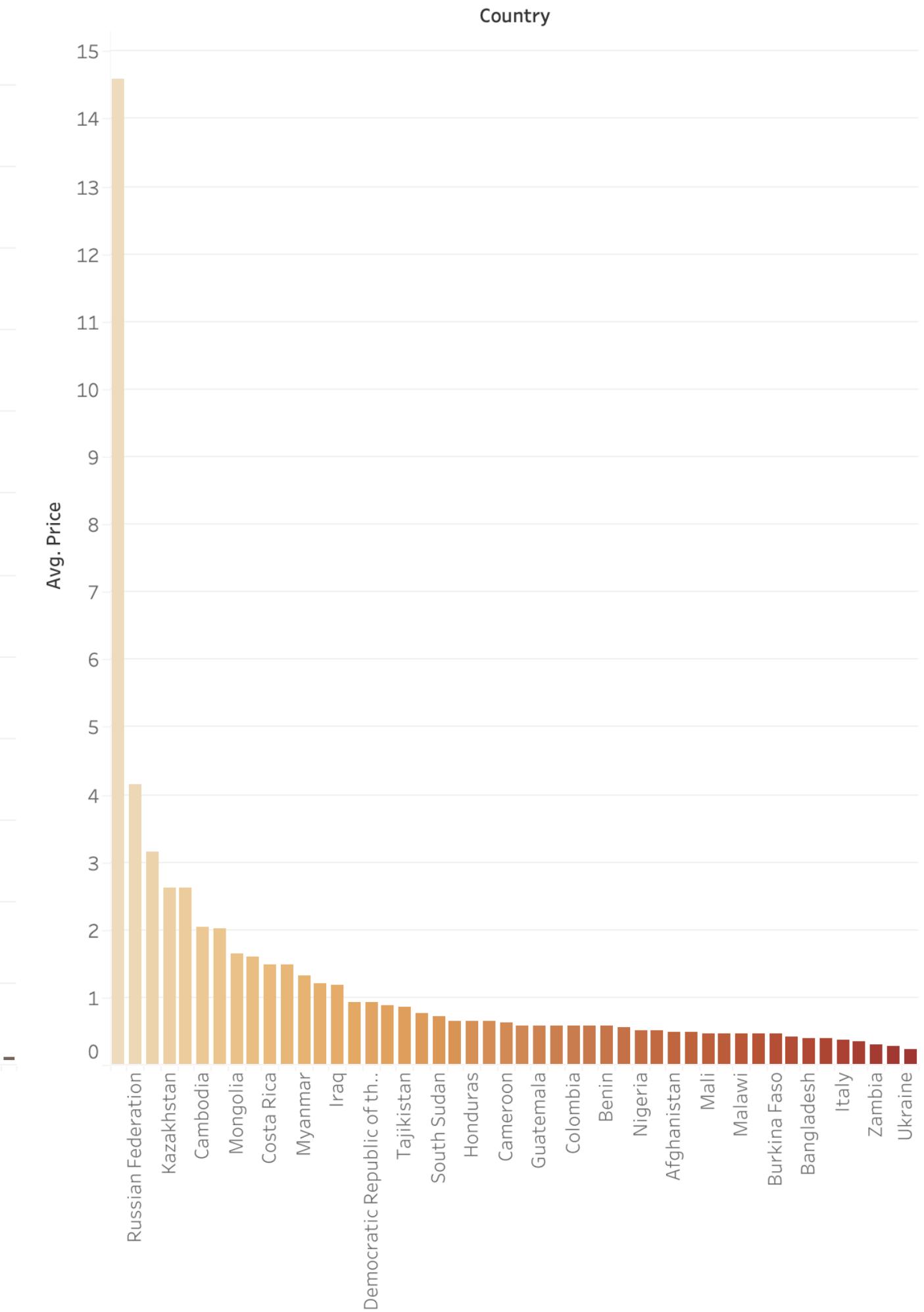
Map After Covid

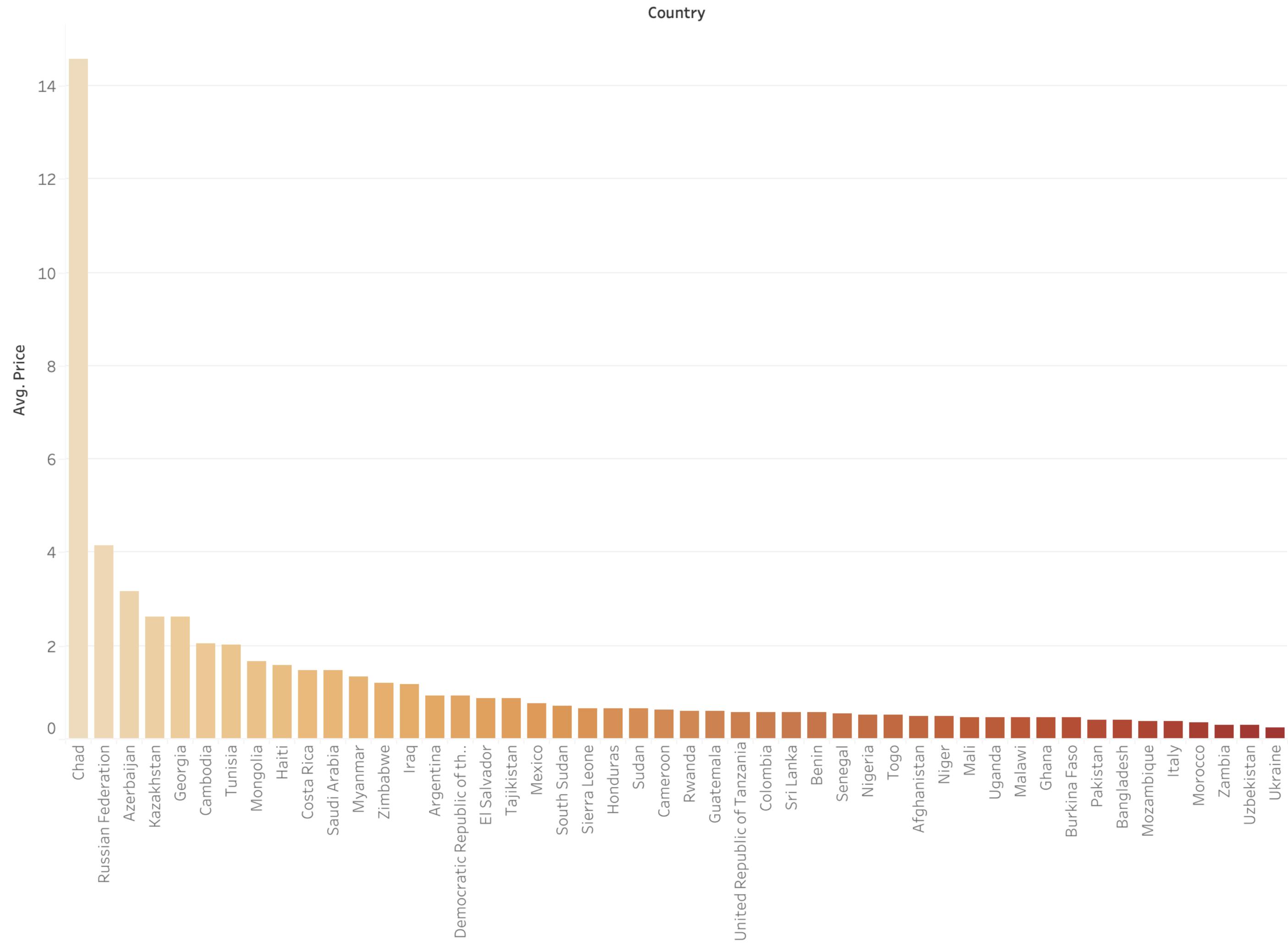


Average Price Before and After Covid



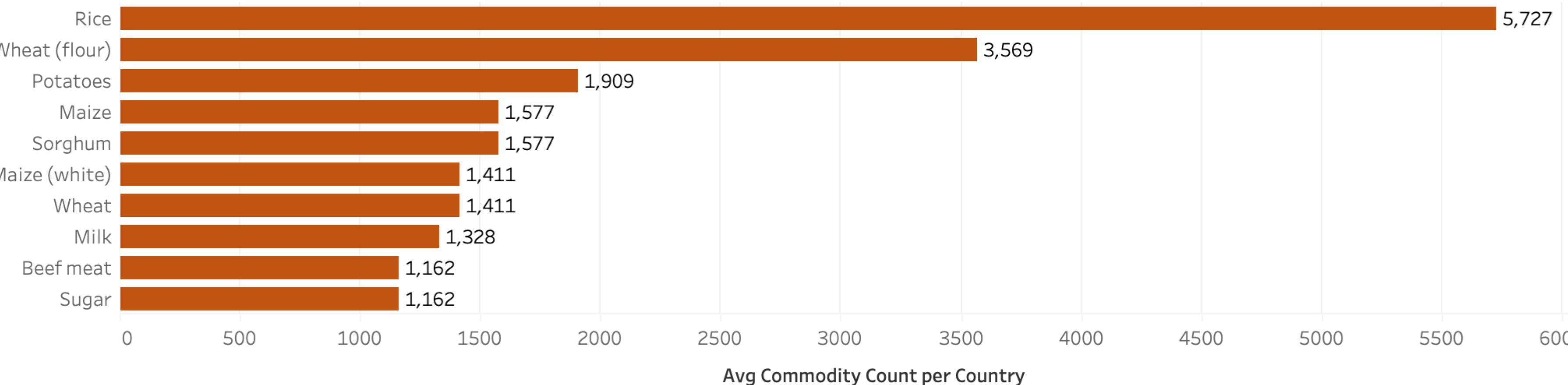
Countries with higher price after covid



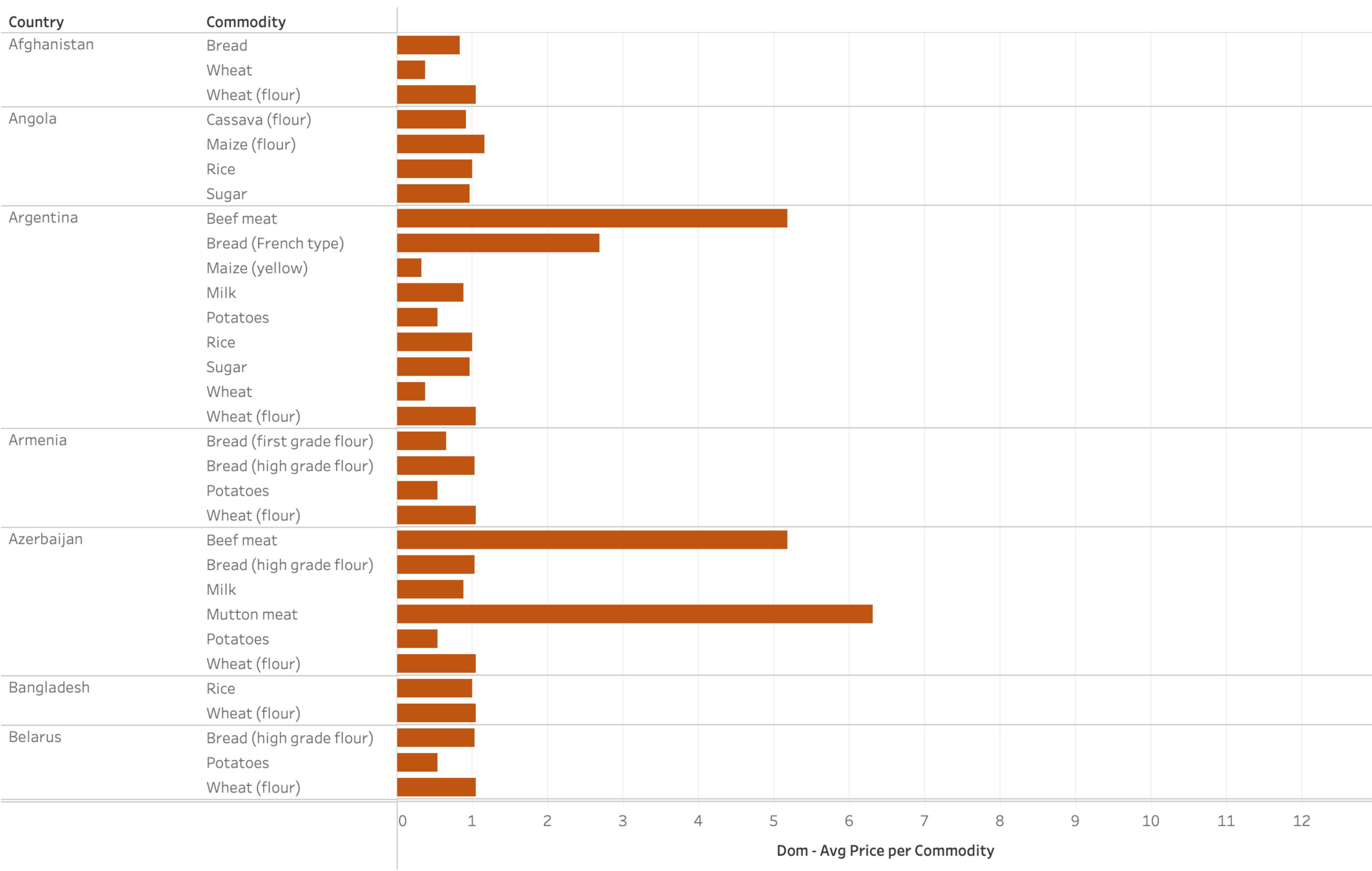


Top 10 Commodities

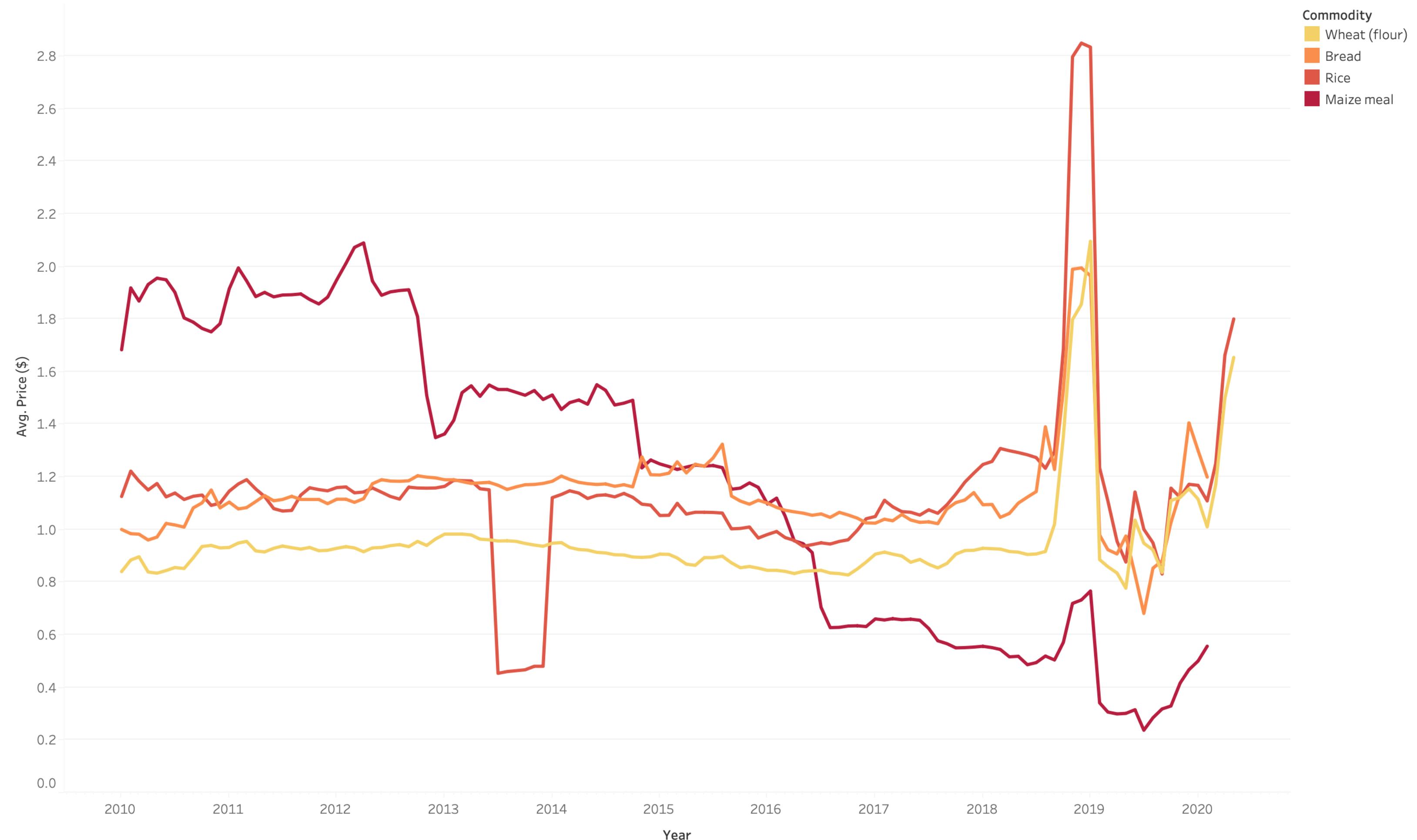
Commodity



Market Analysis

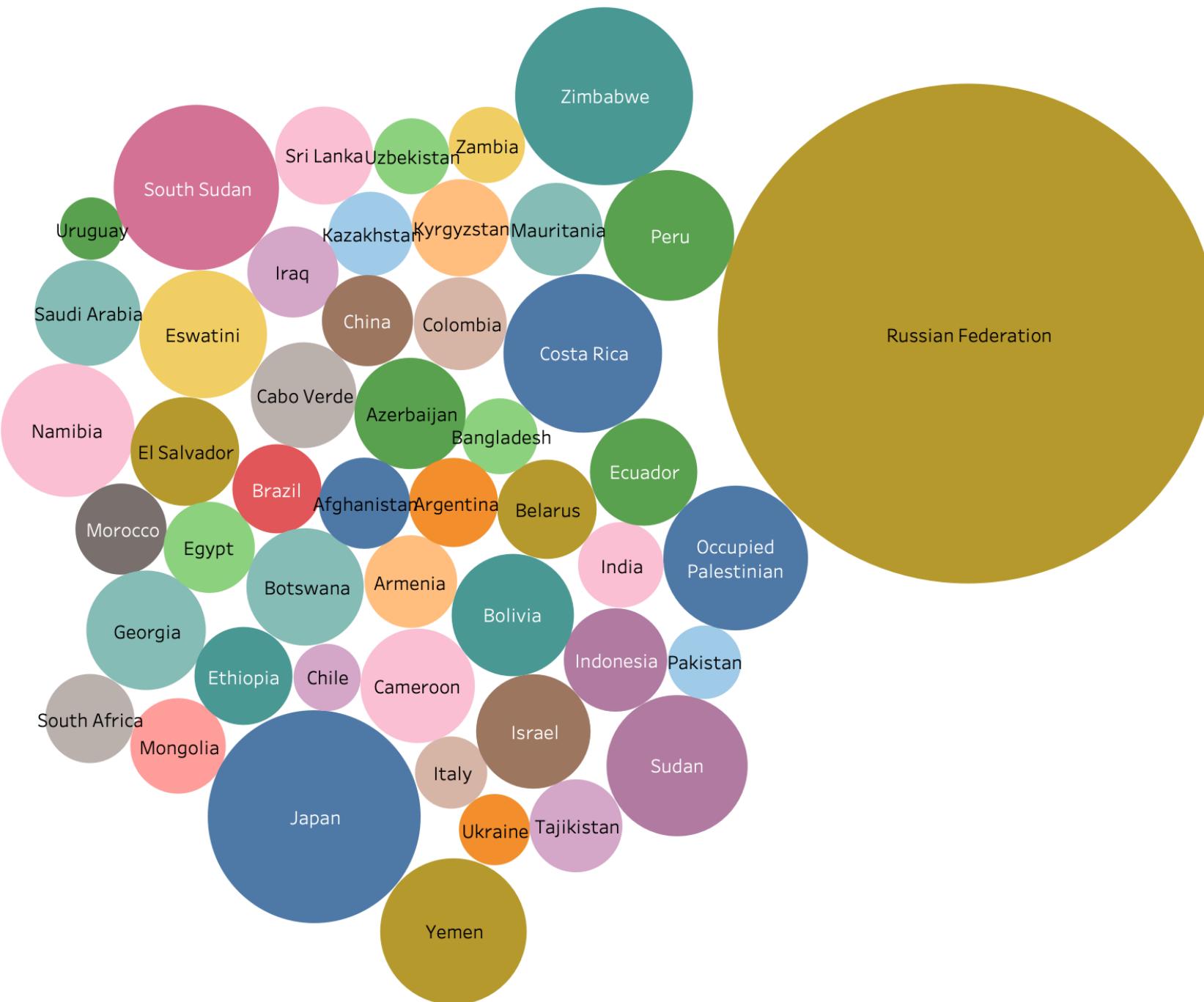


Sri Lanka Market Analysis from 2010-2020



The trend of average of Price for Month Month. Color shows details about Commodity. The data is filtered on Country and Month Year. The Country filter keeps Bangladesh, Sri Lanka and Zimbabwe. The Month Year filter keeps 11 members. The view is filtered on average of Price, which keeps non-Null values only.

Wheat Avg Price Analysis/ Country - After Covid



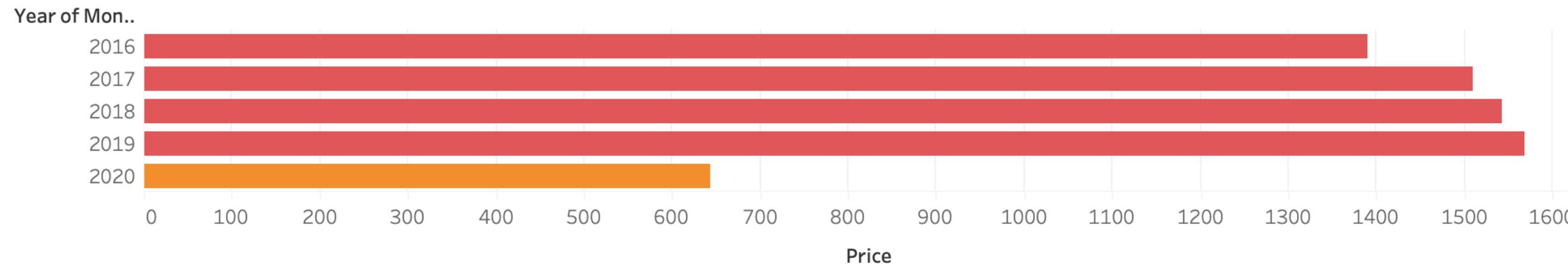
Country. Color shows details about Country. Size shows average of Price. The marks are labeled by Country. The data is filtered on Commodity and Dom - After Covid . The Commodity filter keeps Wheat, Wheat (flour), Wheat (milling soft), Wheat (white) and White roller maize meal. The Dom - After Covid filter keeps Yes. The view is filtered on average of Price, which ranges from 0.20 to 13.01.

Rice Average Price Analysis/Country - After Covid

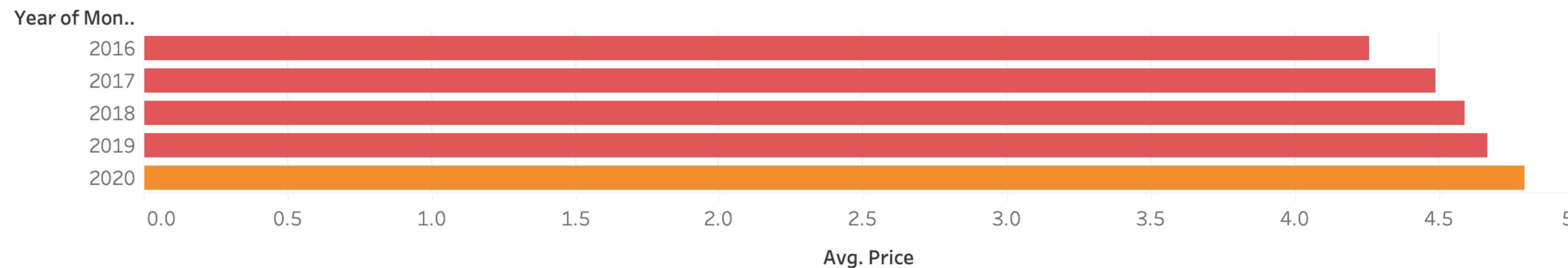


Country. Color shows details about Country. Size shows average of Price. The marks are labeled by Country. The data is filtered on RICE and Month Year. The RICE filter includes values greater than or equal to 1. The Month Year filter keeps 2020. The view is filtered on average of Price, which keeps non-Null values only.

Impact of Covid-19 to World Beef Market (in Sum)



Impact of Covid-19 to World Beef Market (in Avg)



After Covid

- █ No
- █ Yes

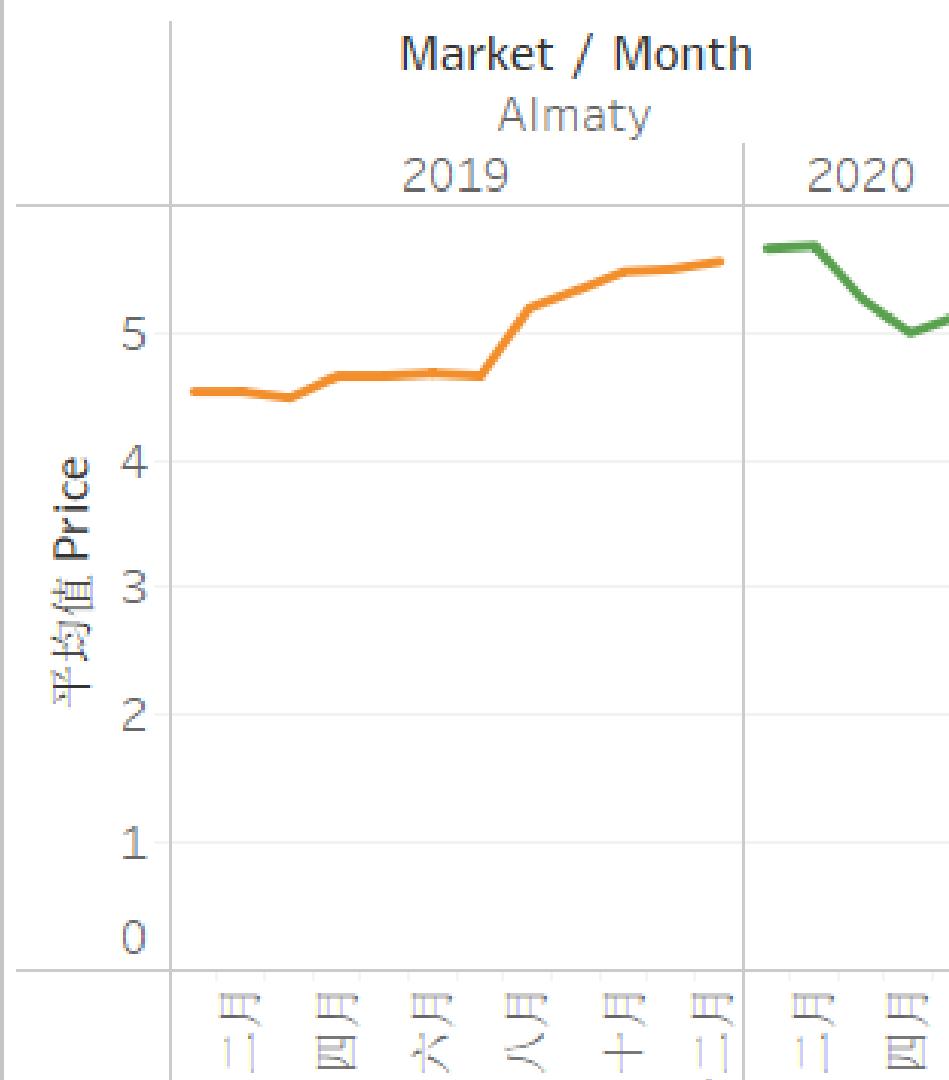
Market ₸



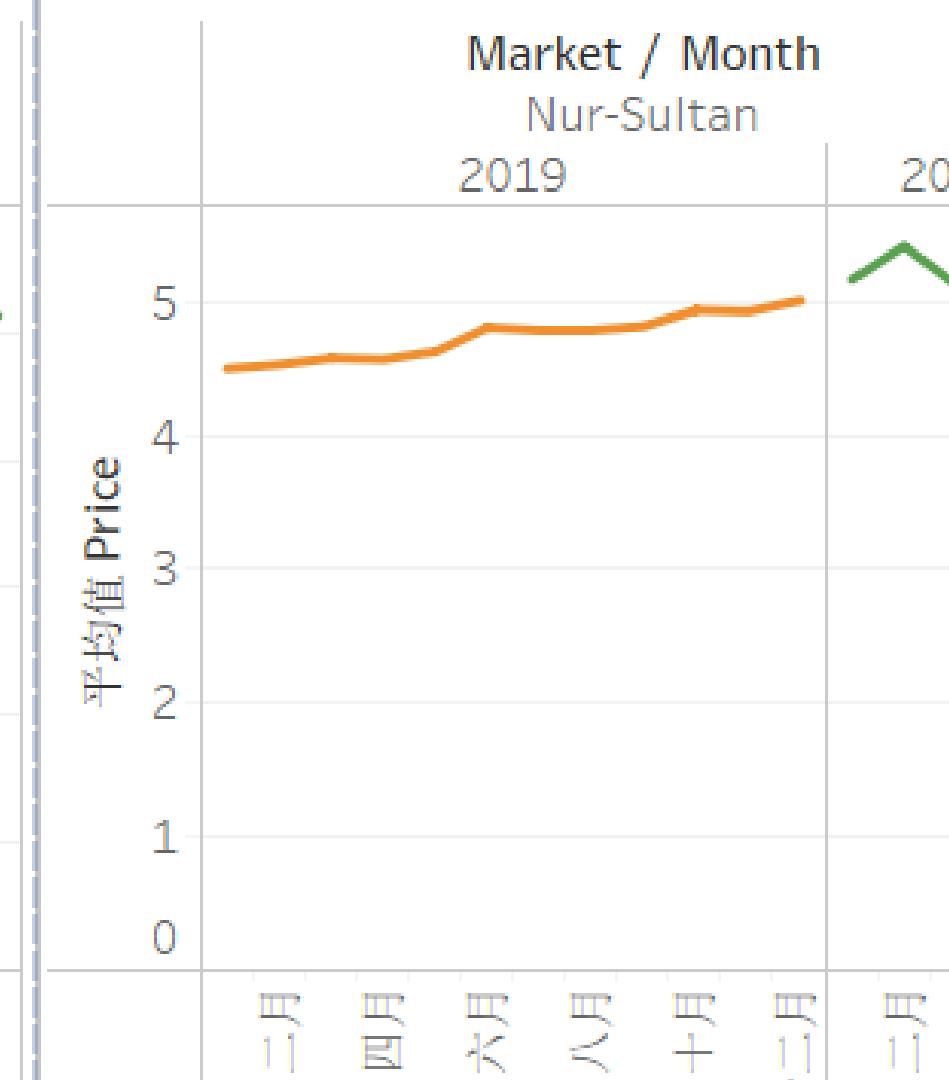
Year of Month



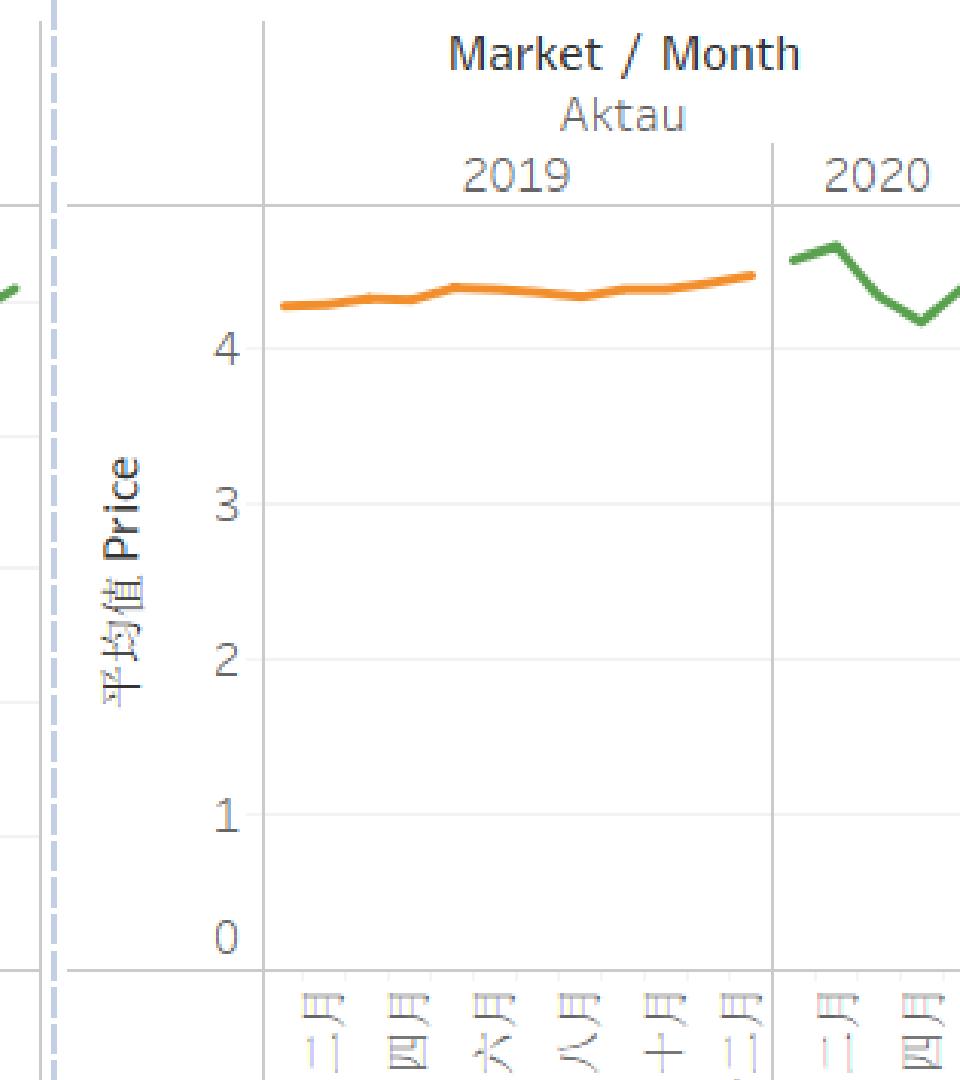
Almaty 2019 - 2020



Nur-Sultan 2019-2020



Aktau 2019-2020



CONCLUSION

- Our post-Covid analysis of commodity prices across nations reveals a surprising consistency in price trends
- Factors such as stable policies and effective crisis management have most likely helped to mitigate fluctuations
- This suggests that the countries have successfully navigated difficulties
- However, ongoing monitoring is required because future developments may cause prices to change

THANK YOU

Credits to Dataset:

https://www.kaggle.com/datasets/theDevastator/domestic-food-prices-after-covid-19/data?select=int_change_percent.csv

