# Data R'sizlari

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**Turkey Food Prices** 

# **Turkey Food Prices**

#### **Key Takeaways**

- ✓ <u>Dataset</u>: Turkey Food Prices from WFP
- ✓ Analysis:
  - Initial: yearly average prices by category and market
  - Exploratory: yearly average food prices in each category
- ✓ Overall price increase in 2018
- ✓ Most significant price changes:
  - Cereals and Tubers
  - Meat, Fish and Eggs
  - Milk and Dairy
  - Miscellaneous Food
  - Oil and Fats
  - Pulses and Nuts
  - Vegetables and Fruits

Rice and bread

Fresh fish & mutton meat

Milk powder for infants

Cocoa and instant coffee

Olive oil

Groundnuts

Cucumbers, eggplants and onions

- ✓ Major reasons of price increases:
  - Climate change
  - Natural causes
  - Currency rates crisis
  - · Higher demand
  - Insufficient supply
- ✓ Shiny

#### **Dataset**

- ✓ Turkey Food Prices from WFP
- ✓ **52** different kinds of foods
- ✓ 8 main categories
- ✓ 4 markets
- ✓ Data from May 2013 incl. 4,718 rows & 15 columns.

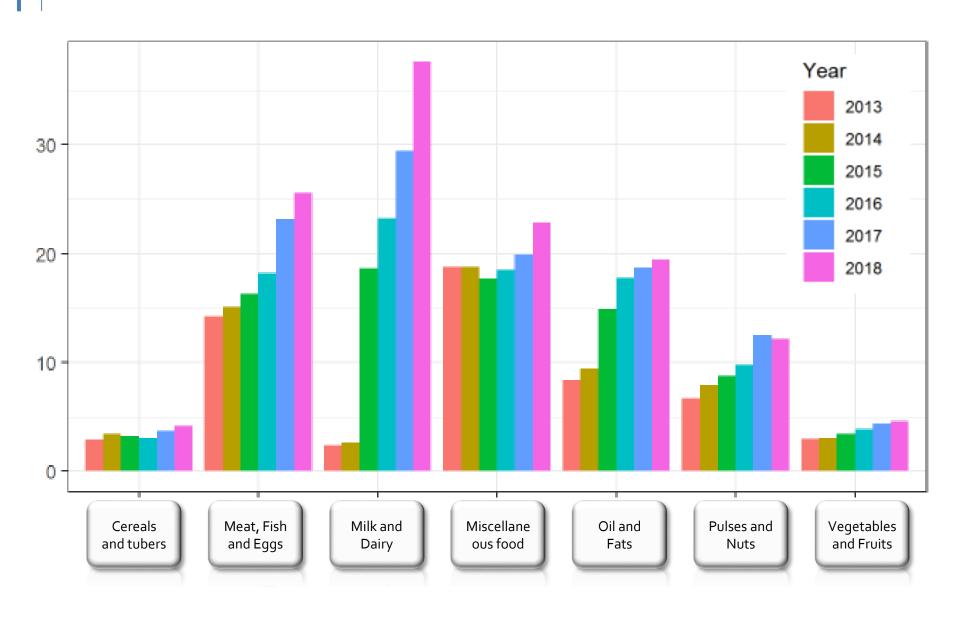
#### **Loading The Data & Data Preprocessing**

- ✓ Headline setting, elimination of unnecessary data and format adjustment
- ✓ Creating an organized rds file and uploading it to GPJ

#### **Data Summary after Preprocessing**

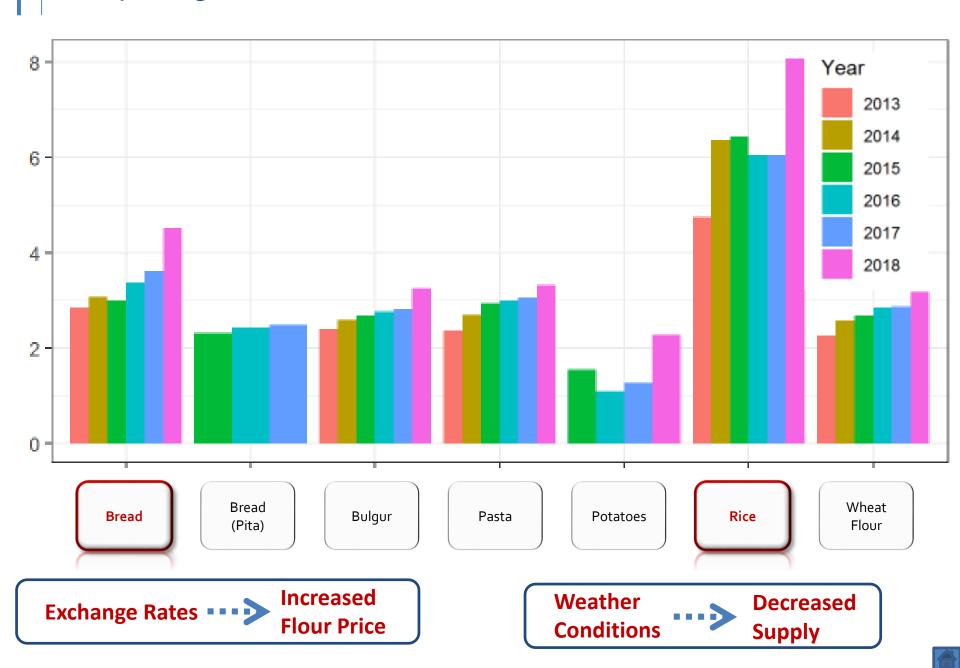
- ✓ date: Date
- ✓ name : Food name
- ✓ unit : Unit of measure
- ✓ type : Food category
- ✓ value : Food price
- ✓ currency : Currency (TRY)
- market : Related market name (Ankara, Istanbul, Izmir and National Average)
- ✓ year: Year
- ✓ month: Month

# Yearly Average Prices Per Food Type

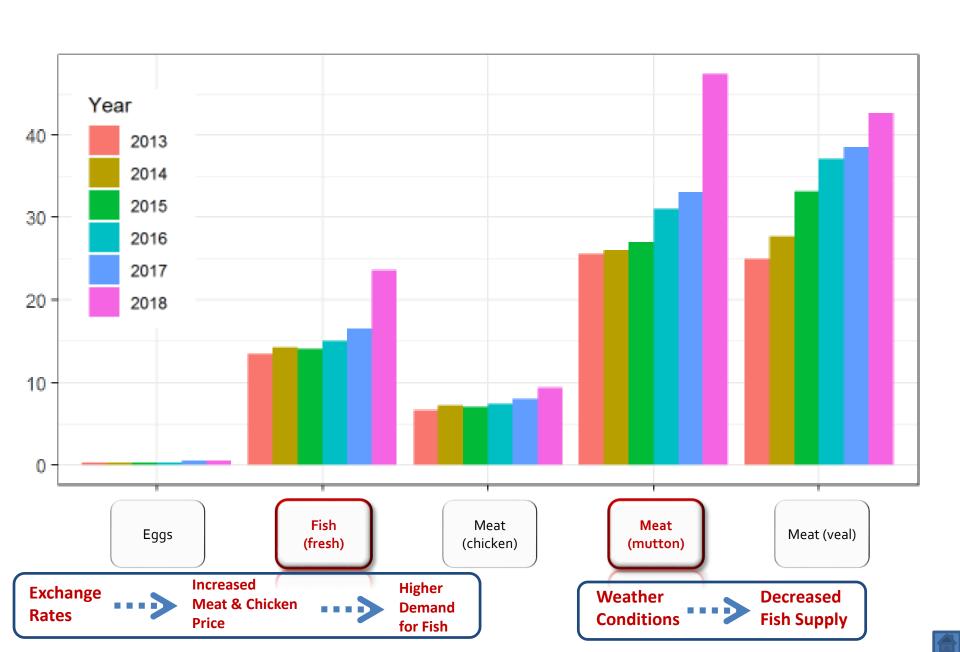




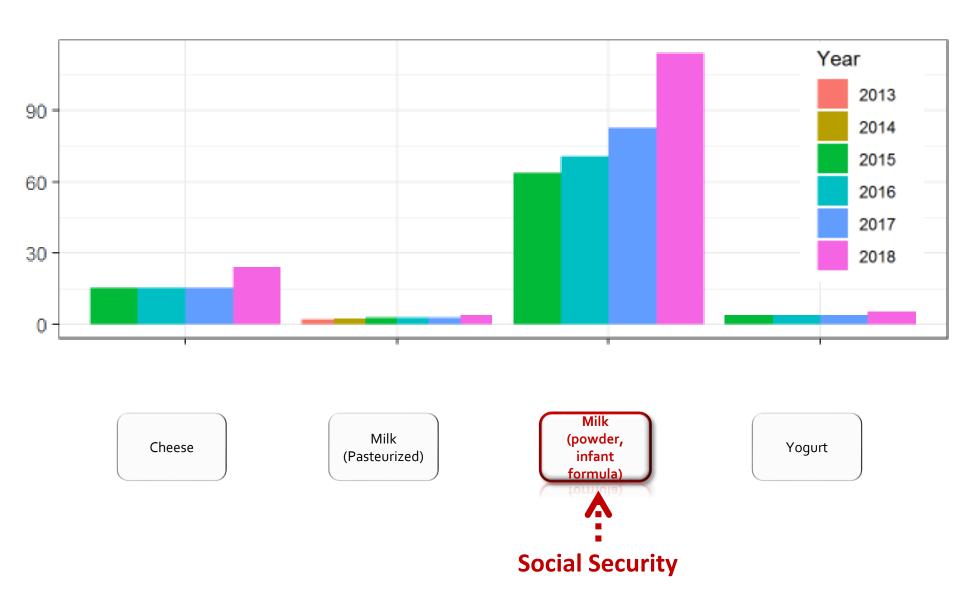
#### **Yearly Average Price for Cereals and Tubers**



### Yearly Average Price for Meat, Fish and Eggs

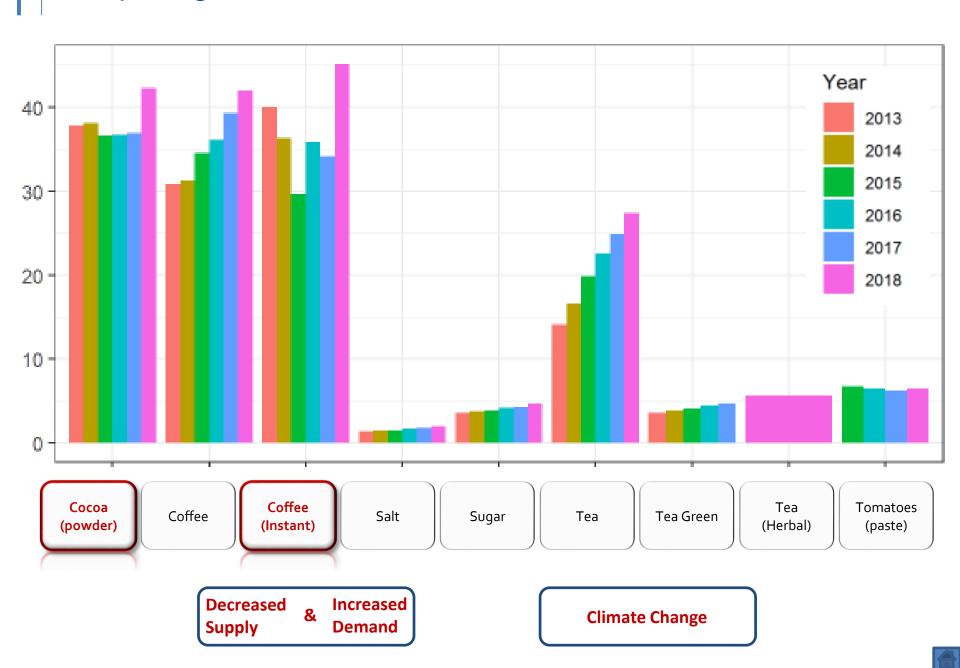


# Yearly Average Price for Milk and Dairy

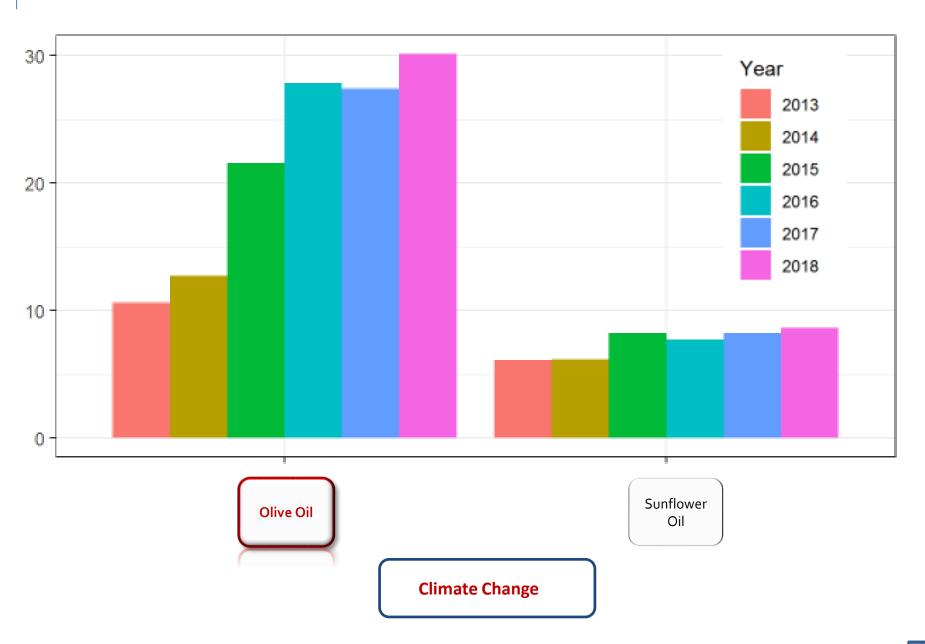




# **Yearly Average Price for Miscellaneous Food**

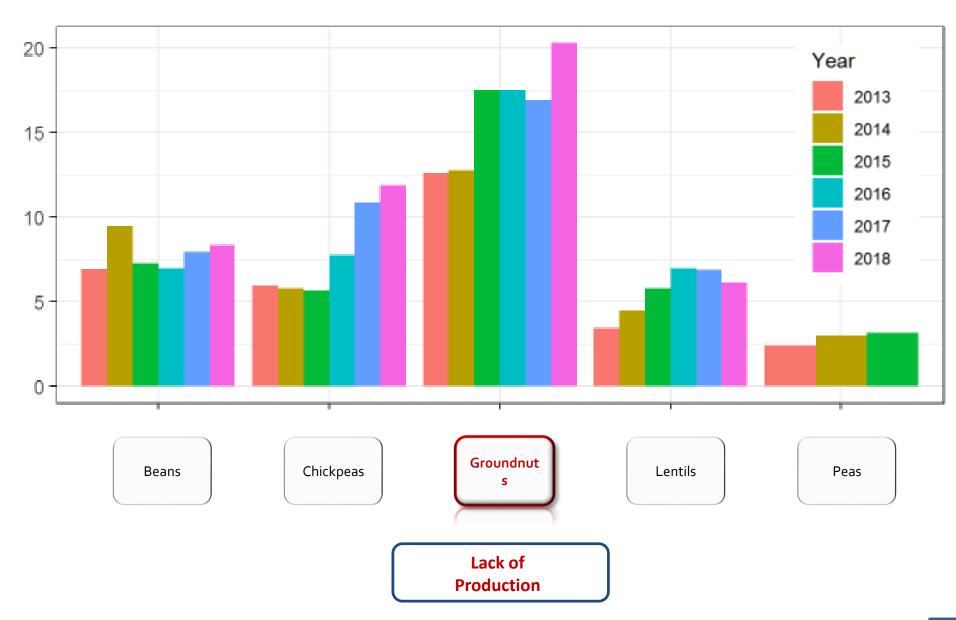


# Yearly Average Price for Oil and Fats



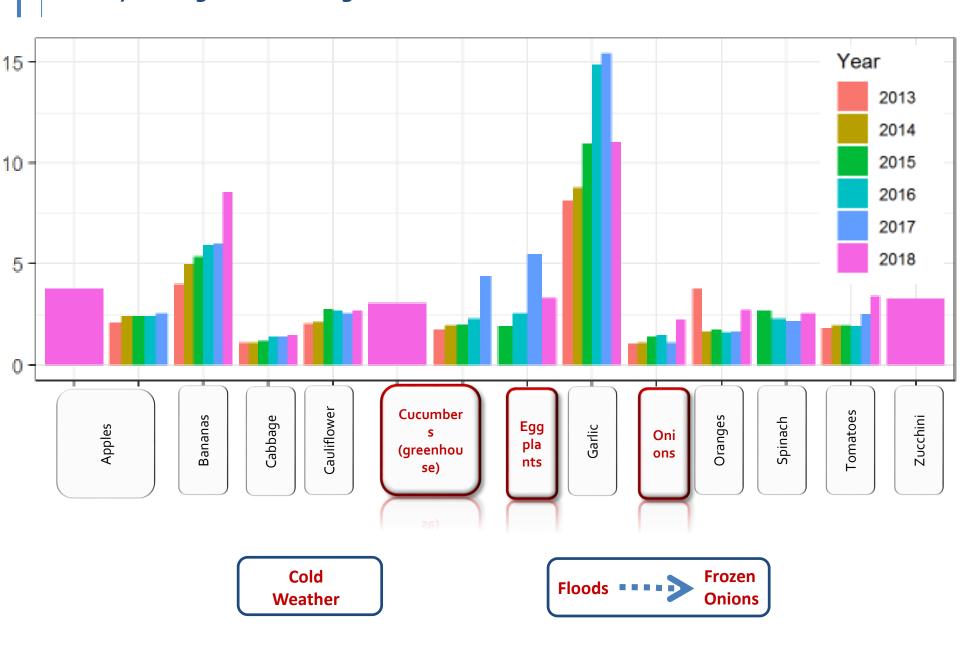


# **Yearly Average Price for Pulses and Nuts**





### **Yearly Average Price for Vegetables and Fruits**





#### Conclusion

In line with our analysis, we can conclude that most of the food prices in Turkey seem to have increasing trends majorly due to:

- Climate change impact such as drought, excessive rain fall etc.
- Natural causes such as pest infestation
- Current currency rates crisis
- Higher demand due to increasing population
- Insufficient supply as oppose to high demand
- Price changes all over the world, especially for imported ones

In addition, we can say that 2018 food prices in Turkey have increased overall with a few exceptions in line with the reasons explained above.