

# Data Visualization

## Food Production and Distribution

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### Abstract:

Our world population is expected to grow from [7.3 billion today to 9.7 billion in the year 2050](#). Finding solutions for feeding the growing world population has become a hot topic for [food and agriculture organizations](#), [entrepreneurs](#) and [philanthropists](#). These solutions range from changing the way we [grow our food](#) to changing the [way we eat](#). To make things harder, the world's climate is changing and it is both affecting and affected by the way we grow our food – agriculture.

This dataset provides an insight on our worldwide food production - focusing on a comparison between food produced for human consumption and feed produced for animals.

The Food and Agriculture Organization of the United Nations provides [free access to food and agriculture data](#) for over 245 countries and territories, from the year 1961 to the most recent update (depends on the dataset). One dataset from the FAO's database is the Food Balance Sheets. It presents a comprehensive picture of the pattern of a country's food supply during a specified reference period, the last time an update was loaded to the FAO database was in 2013. The food balance sheet shows for each food item the sources of supply and its utilization. This chunk of the dataset is focused on two utilizations of each food item available:

- Food - refers to the total amount of the food item available as human food during the reference period.
- Feed - refers to the quantity of the food item available for feeding to the livestock and poultry during the reference period.

### Content:

Source: <https://www.kaggle.com/dorbicycle/world-foodfeed-production?select=FAO.csv>

Latitude

Longitude

Element-Food(stored for natural disasters)

-Feed(production)

Element code

Unit-(quantity)

Item

Item code

Years Data across various countries

Questions:

- 1)What is the total production and distributions of food across years?
- 2) What is the total production and distributions of feed across years?
- 3)Which product holds major place across years across all countries?
- 4)Which year has the maximum wheat production?
- 5)Difference plain the distribution of food items in India in year 2000.
- 6)As we have a total of 50 years data, create a plot in such a way that it contains 5 decade's, trend on food items.
- 7) Description of the Top Ten Food Produce by Continent.
- 8)Ratio of Feed to Food across countries in year 1963.
- 9)Compare the Ratio of Feed to Food in the year 1963 and 2013.
- 10)Top Palm oil production countries in year 2010.
- 11)Difference of food availability by start of 1963 and 2013 .