

Day 16

DIY

Q1. Problem Statement: Univariate EDA

Load the "cereal.csv" data into a DataFrame and perform the following tasks:

- 1. Explore the DataFrame using info() and describe() functions
- Replace the manufacturer names with the dictionary of names given here –
 {'A':'American Home Food Products', 'G':'General Mills',
 'K':'Kelloggs','N':'Nabisco', 'P':'Post', 'Q':'Quaker Oats', 'R':'Ralston Purina'}
- 3. Find out the top five cereal manufacturers based on customer ratings
- With the help of a barplot, compare the manufacturers based on customer ratings
- 5. With the help of a pie chart, find out which of the manufacturers are the largest producers of cereals

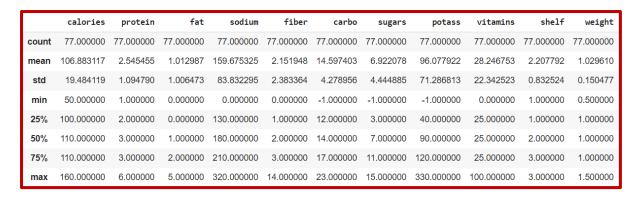
Dataset:



Sample Output:

1. Explore the DataFrame using info() and describe() functions





2. Replace the manufacturer names with the dictionary of names given here {'A':'American Home Food Products', 'G':'General Mills', 'K':'Kelloggs','N':'Nabisco', 'P':'Post', 'Q':'Quaker Oats', 'R':'Ralston Purina'}



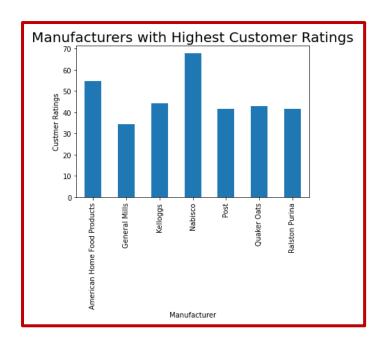


3. Find out the top five cereal manufacturers based on customer ratings



4. With the help of a barplot, compare the manufacturers based on customer ratings





5. With the help of a pie chart, find out which of the manufacturers are the largest producers of cereals

