Actividad 1
Ciencia de Datos

—

Bernardo Morales Ramos

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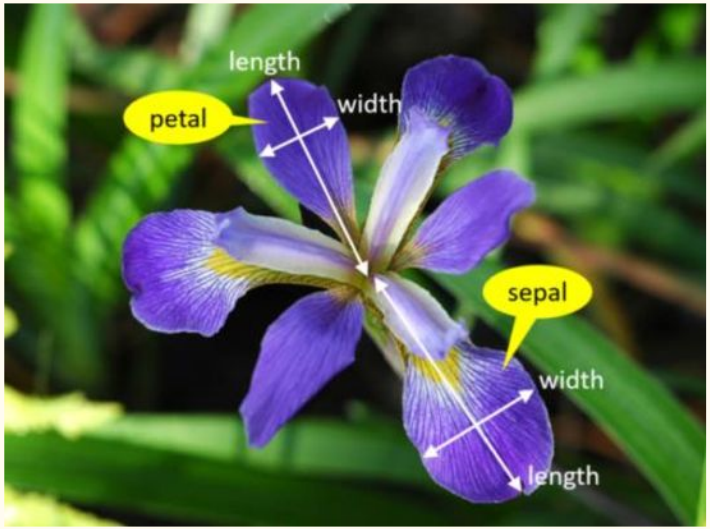
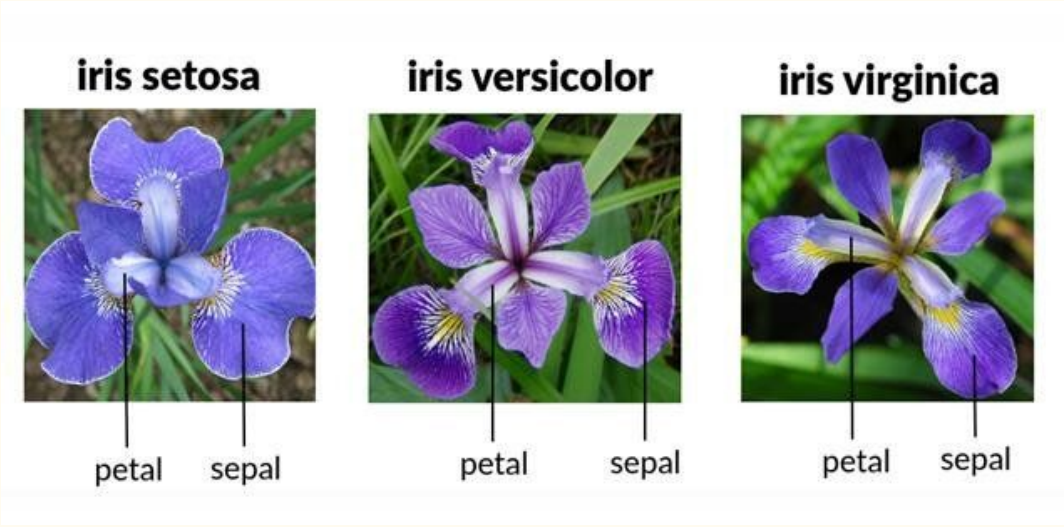
Iris Dataset

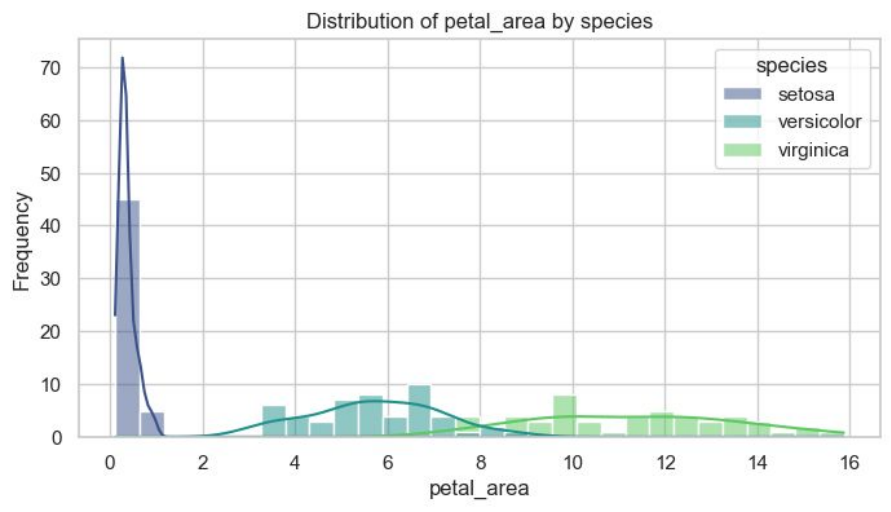
Shoes Dataset

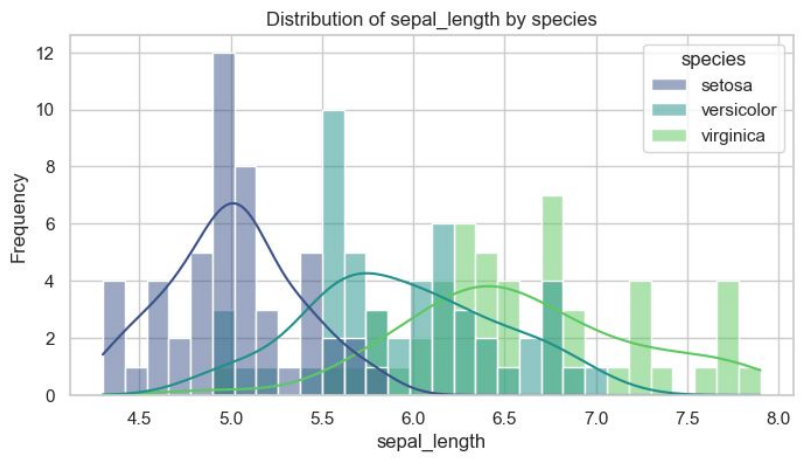
Happiness Dataset

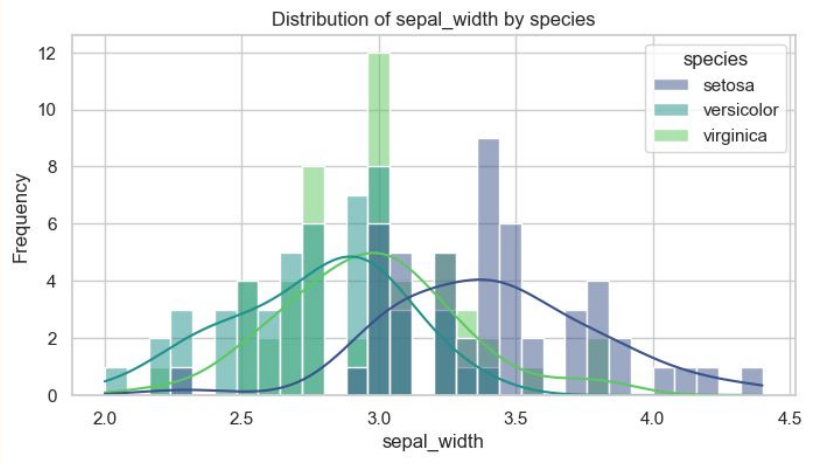
Iris Dataset






Distribution of petal_area by species
species
setosa
versicolor
virginica
Frequency
petal_area
0
10
20
30
40
50
60
70
0
2
4
6
8
10
12
14
16


Distribution of sepal_length by species
species
setosa
versicolor
virginica
Frequency
sepal_length
0
2
4
6
8
10
12
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0


Distribution of sepal_width by species
species
setosa
versicolor
virginica
Frequency
sepal_width
0
2
4
6
8
10
12
2.0
2.5
3.0
3.5
4.0
4.5

1

2

3

1

Versicolor

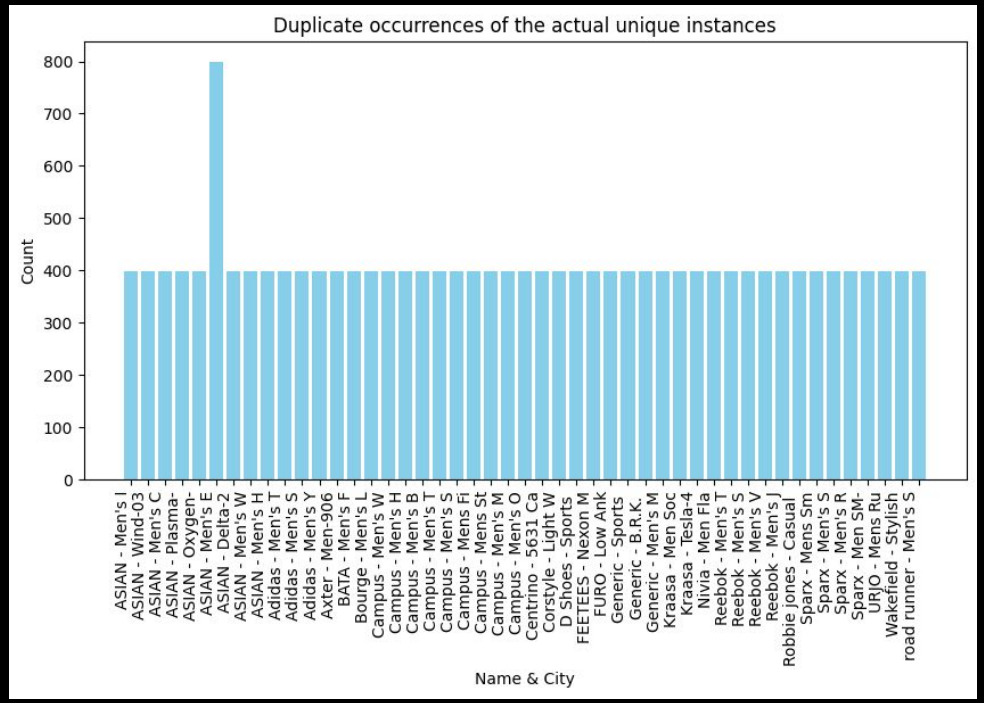
2

Setosa

3

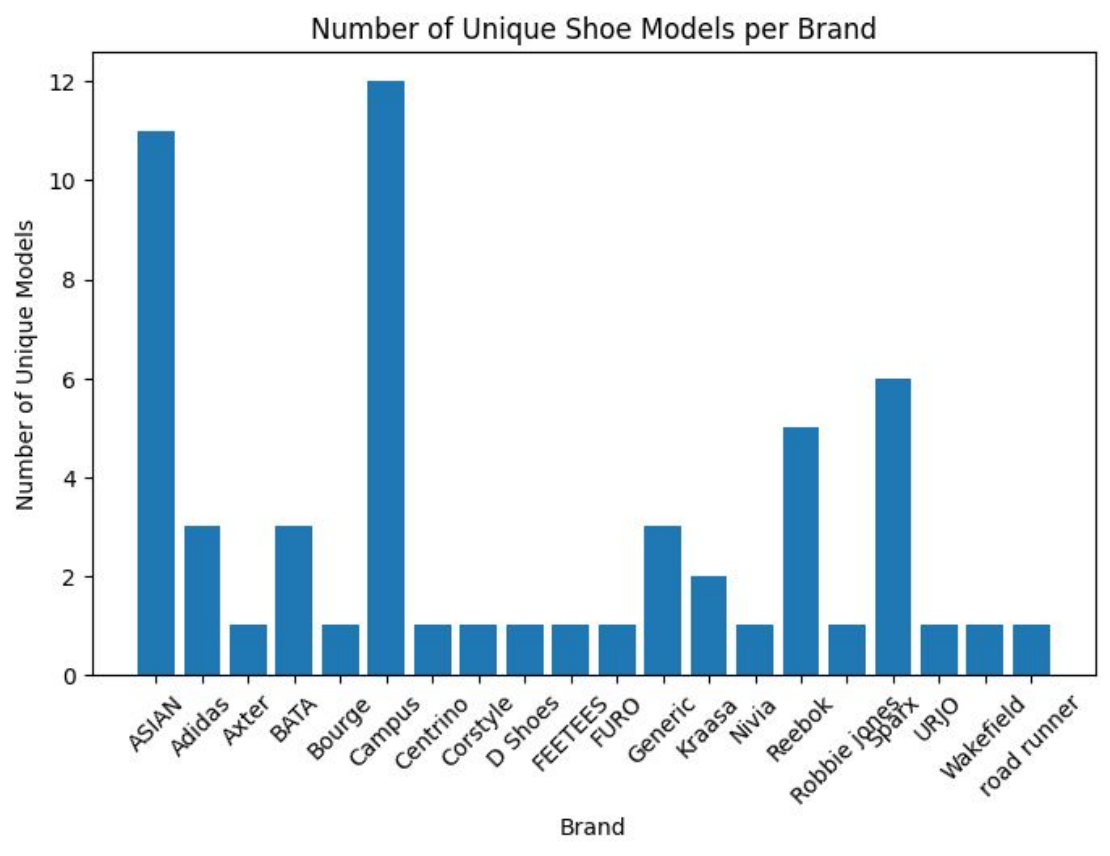
Virginica

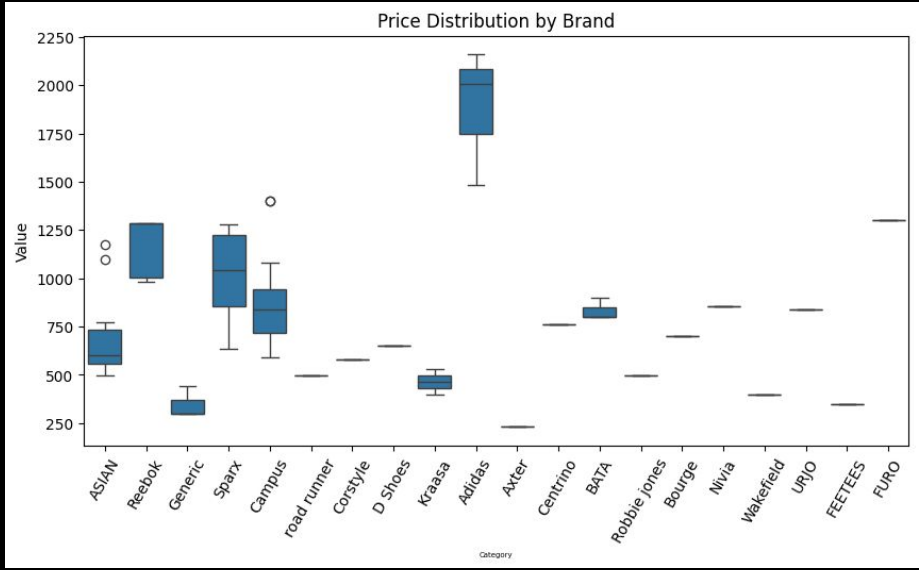
Shoes Dataset

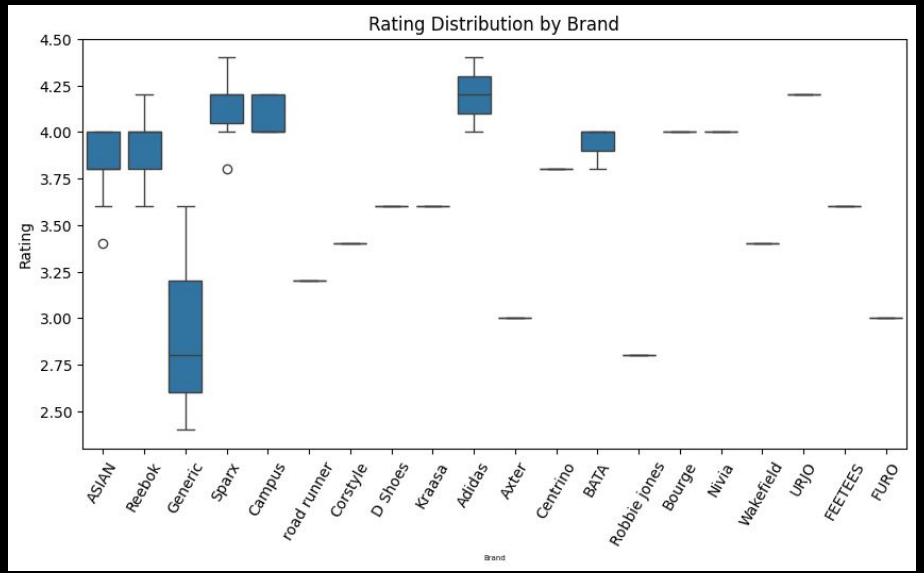


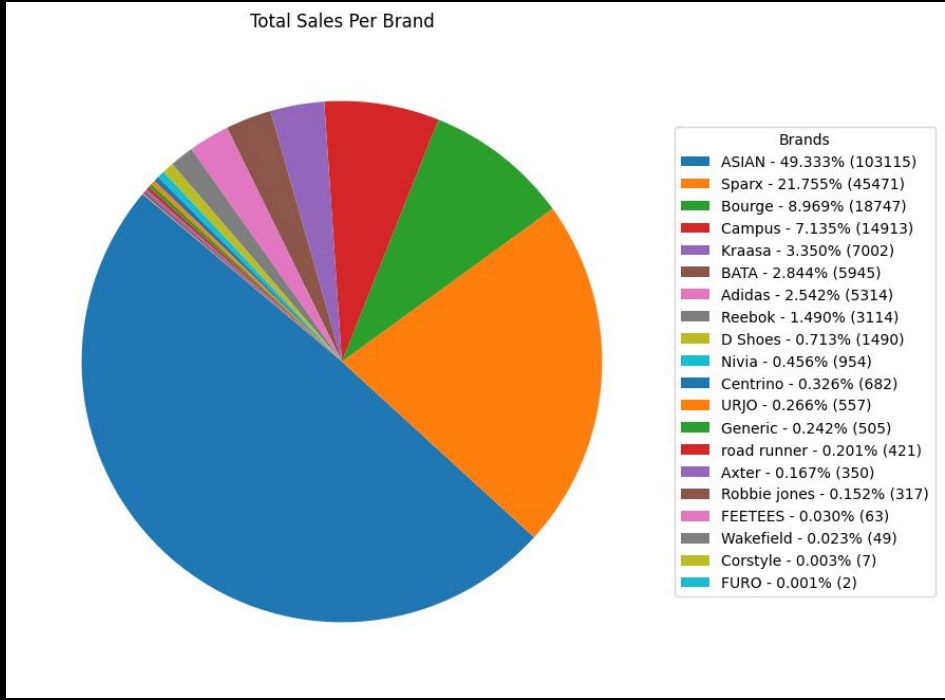

```
RangeIndex: 23940 entries, 0 to 23939
Data columns (total 5 columns):
 #   Column           Non-Null Count  Dtype
---  ------           --------------  -----
 0   Brand_Name       23940 non-null  object
 1   How_Many_Sold    23940 non-null  object
 2   Current_Price    23142 non-null  object
 3   Product_details  23940 non-null  object
 4   RATING           23940 non-null  float64
dtypes: float64(1), object(4)
```

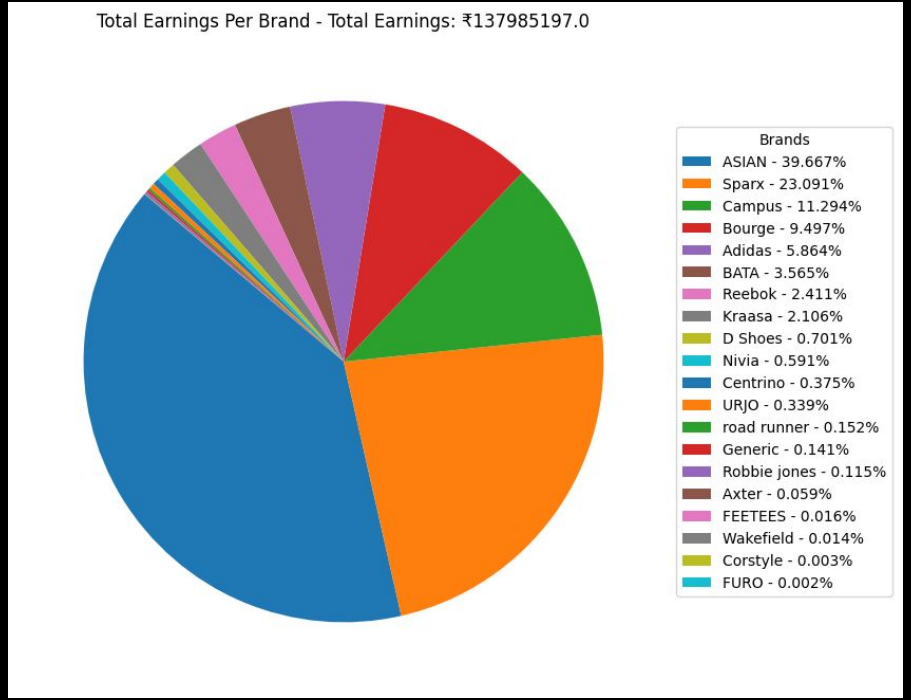
```
Index: 57 entries, 0 to 59
Data columns (total 5 columns):
 #   Column           Non-Null Count  Dtype
---  ------           --------------  -----
 0   Brand_Name       57 non-null     object
 1   How_Many_Sold    57 non-null     object
 2   Current_Price    57 non-null     object
 3   Product_details  57 non-null     object
 4   RATING           57 non-null     float64
```

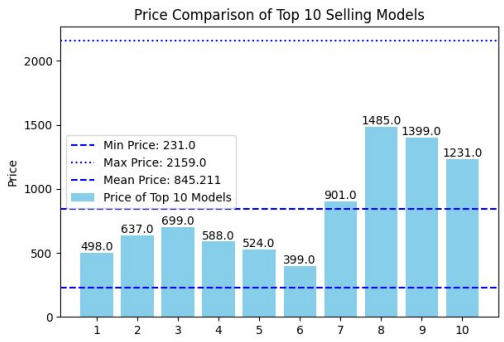

Number of Unique Shoe Models per Brand
Number of Unique Models
0
2
4
6
8
10
12
ASIAN
Adidas
Axter
BATA
Bourge
Campus
Centrino
Corstyle
D Shoes
FEETEES
FURO
Generic
Kraasa
Nivia
Reebok
Robbie jones
Sparx
URJO
Wakefield
road runner
Brand

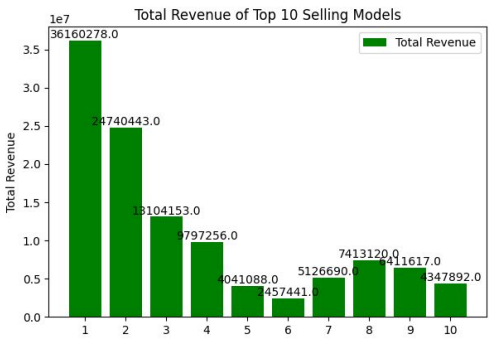

Price Distribution by Brand
Value
2250
2000
1750
1500
1250
1000
750
500
250
ASIAN
Reebok
Generic
Sparx
Campus
road runner
Corstyle
D Shoes
Kraasa
Adidas
Axter
Centrino
BATA
Robbie jones
Bourge
Nivia
Wakefield
URJO
FEETEES
FURO
Category

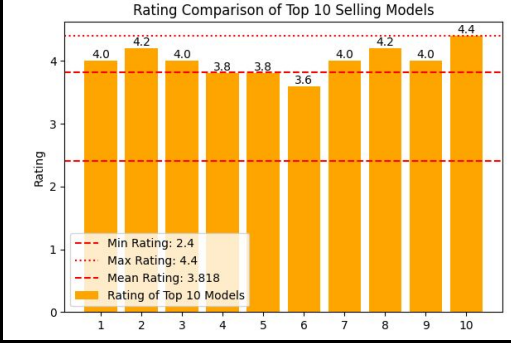

Rating Distribution by Brand
Rating
4.50
4.25
4.00
3.75
3.50
3.25
3.00
2.75
2.50
ASIAN
Reebok
Generic
Sparx
Campus
road runner
Corstyle
D Shoes
Kraasa
Adidas
Axter
Centrino
BATA
Robbie jones
Bourge
Nivia
Wakefield
URJO
FEETEES
FURO
Brand


Total Sales Per Brand
Brands
ASIAN - 49.333% (103115)
Sparx - 21.755% (45471)
Bourge - 8.969% (18747)
Campus - 7.135% (14913)
Kraasa - 3.350% (7002)
BATA - 2.844% (5945)
Adidas - 2.542% (5314)
Reebok - 1.490% (3114)
D Shoes - 0.713% (1490)
Nivia - 0.456% (954)
Centrino - 0.326% (682)
URJO - 0.266% (557)
Generic - 0.242% (505)
road runner - 0.201% (421)
Axter - 0.167% (350)
Robbie jones - 0.152% (317)
FEETEES - 0.030% (63)
Wakefield - 0.023% (49)
Corstyle - 0.003% (7)
FURO - 0.001% (2)

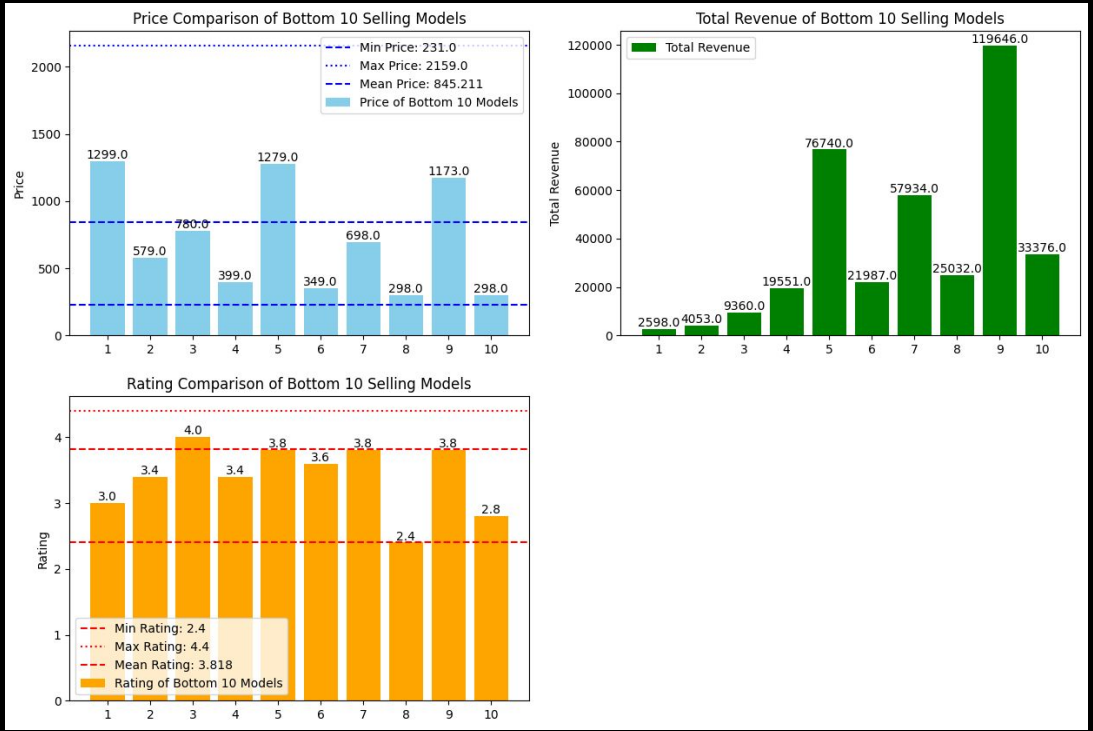

Total Earnings Per Brand - Total Earnings: ₹137985197.0
Brands
ASIAN - 39.667%
Sparx - 23.091%
Campus - 11.294%
Bourge - 9.497%
Adidas - 5.864%
BATA - 3.565%
Reebok - 2.411%
Kraasa - 2.106%
D Shoes - 0.701%
Nivia - 0.591%
Centrino - 0.375%
URJO - 0.339%
road runner - 0.152%
Generic - 0.141%
Robbie jones - 0.115%
Axter - 0.059%
FEETEES - 0.016%
Wakefield - 0.014%
Corstyle - 0.003%
FURO - 0.002%





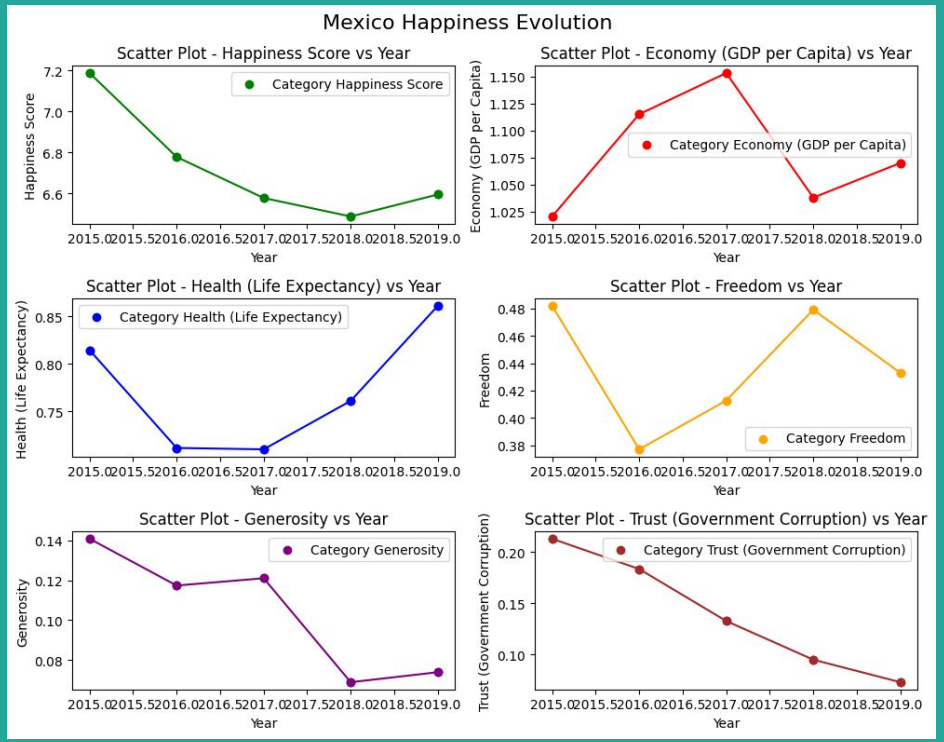


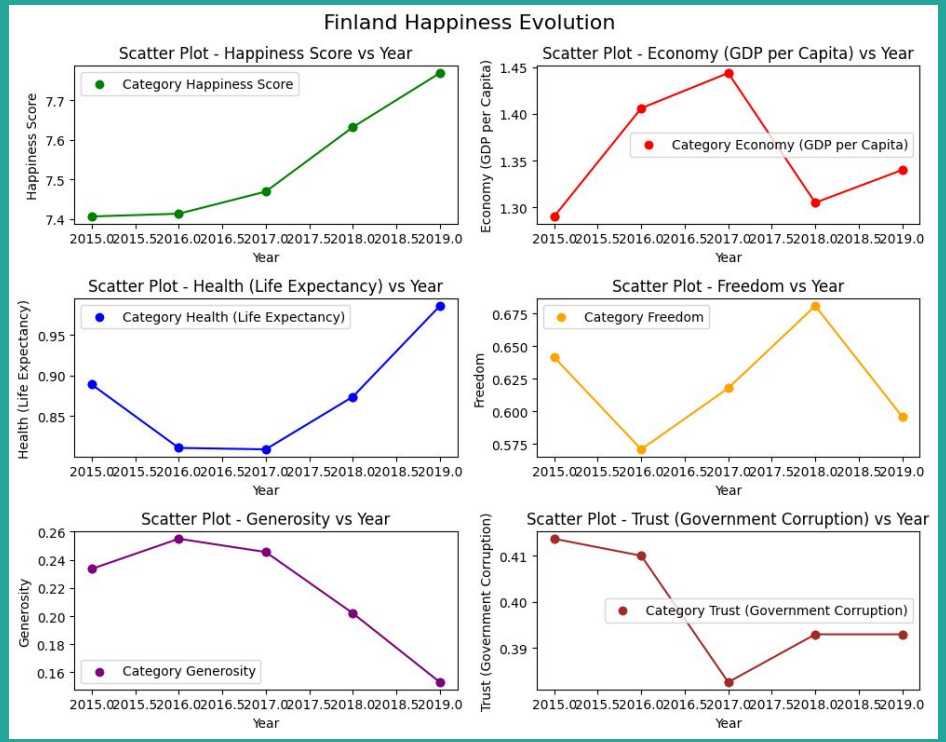
1: ASIAN - Men's Wonder-13 Sports Running Shoes (72611 sold)
2: Sparx - Men's Sd0323g Sneakers (38839 sold)
3: Bourge - Men's Loire-z1 Running Shoes (18747 sold)
4: ASIAN - Men's Cosko Sports Running,Walking,Gym,Training Sneaker Lace-Up Shoes for Men's & Boy's (16662 sold)
5: ASIAN - Men's Century-12 Sports Running Shoes Walking,Gym Casual Sneakers Lace-Up Lightweight Shoes for Men's & Boy's (7712 sold)
6: Kraasa - Men SocksFit Walking and Running Shoes (6159 sold)
7: Campus - Mens Stonic Running Shoes (5690 sold)
8: Adidas - Men's Yking 2.0 Running Shoes (4992 sold)
9: Campus - Mens First Running Shoe (4583 sold)
10: Sparx - Men's Running Shoes (3532 sold)

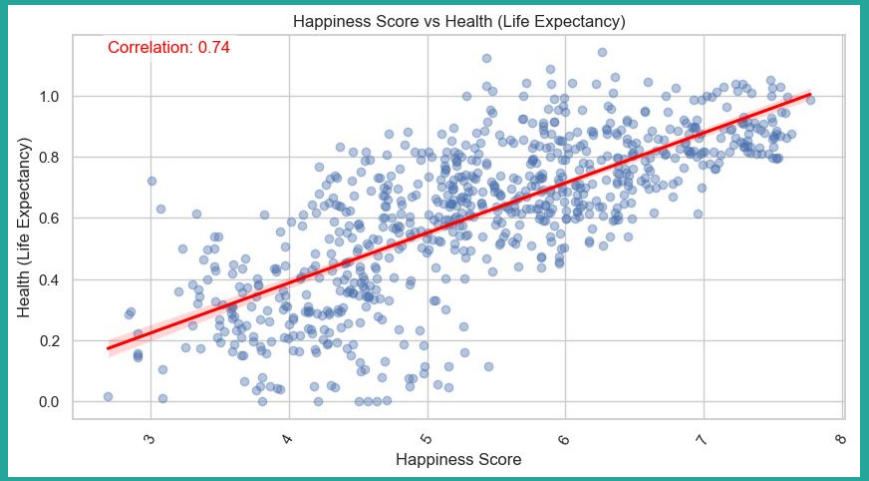


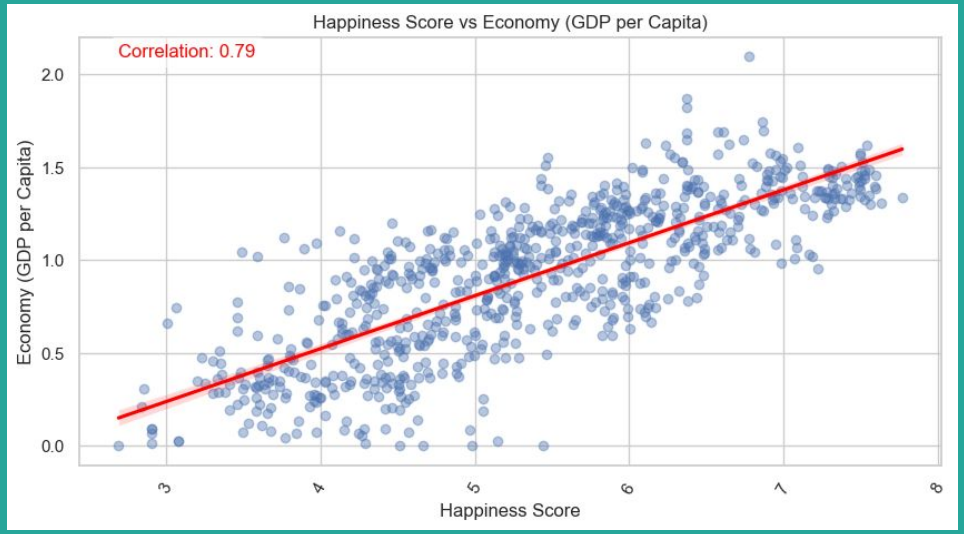
1: FURO - Low Ankle Running Sports Shoes for Men (O-5033) (2 sold)
2: Corstyle - Light Weight Sports Outdoors Casual Canvas Sneakers Gyming Walking Training Running Shoes for Men (7 sold)
3: Campus - Men's Harrow PRO Running Shoes (12 sold)
4: Wakefield - Stylish Running Sports Shoes for MEN-2010 (49 sold)
5: Sparx - Men SM-661 Sports Shoes (60 sold)
6: FEETEES - Nexon Men's Casual Eva Socks Knitted Running Shoes | Color-Light Grey (63 sold)
7: ASIAN - Men's Hattrick-27 Sports Shoes for Men | Running Shoes for Men Stylish Casual Sneakers for Men | Lace up Lightweight Shoes for Gym (83 sold)
8: Generic - Men's Mesh Lace-Ups Running/Walking/Gym/Sports Fashion Shoes (84 sold)
9: ASIAN - Men's INNOVA-04 Sports Running,Walking & Gym Shoes with Max Cushion Technology Casual Sneaker Shoes for Men's & Boy's (102 sold)
10: Generic - Sports Fahion Shoes for Men, Gym, Running, Sports (112 sold)

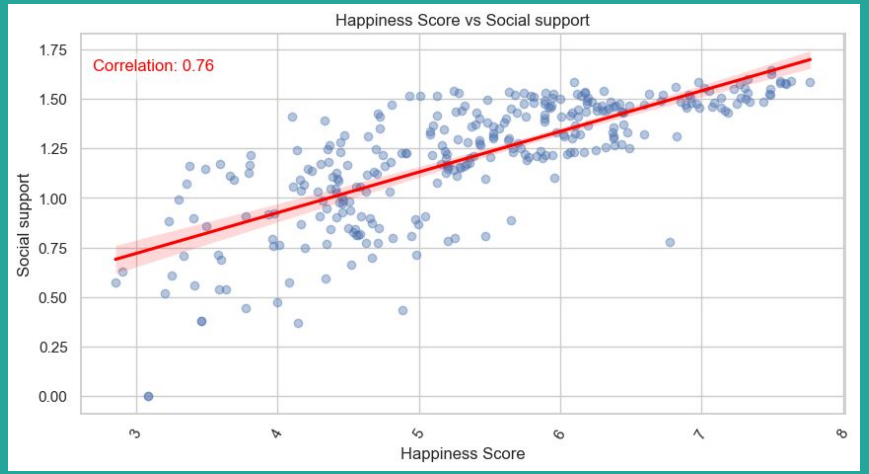
Happiness Dataset

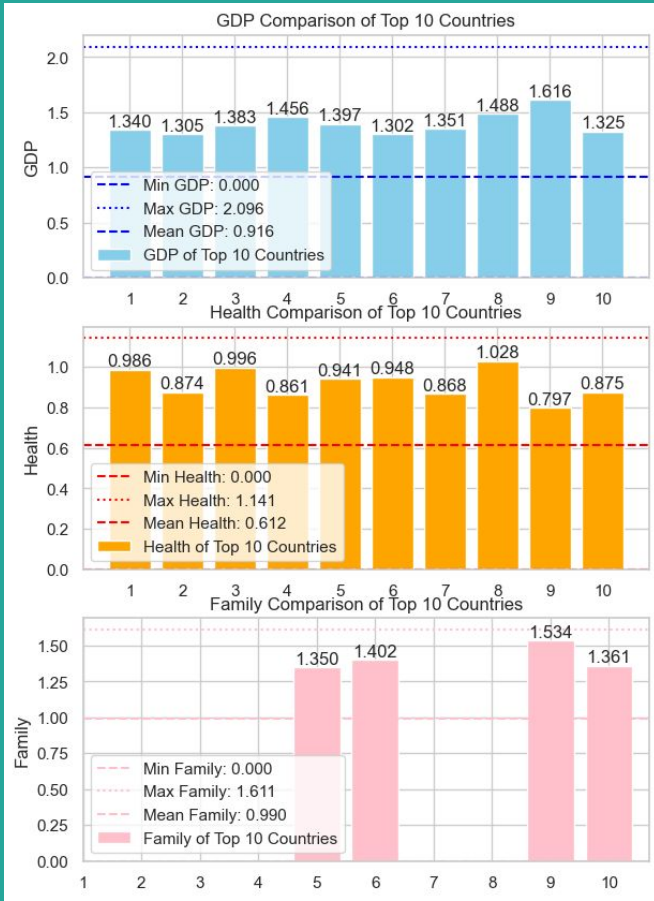


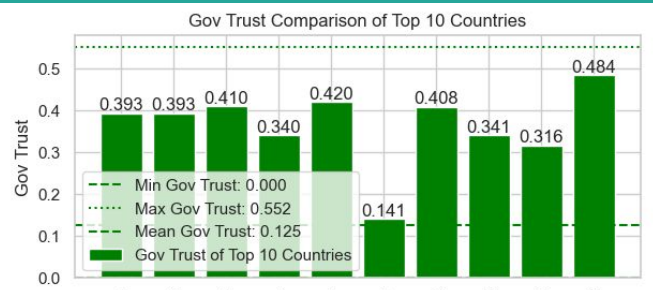


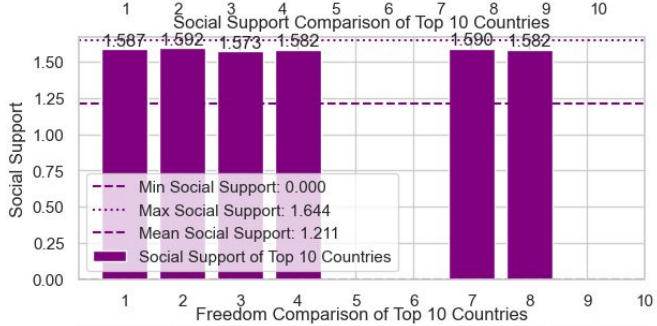

Happiness Score vs Health (Life Expectancy)
Correlation: 0.74
Health (Life Expectancy)
Happiness Score

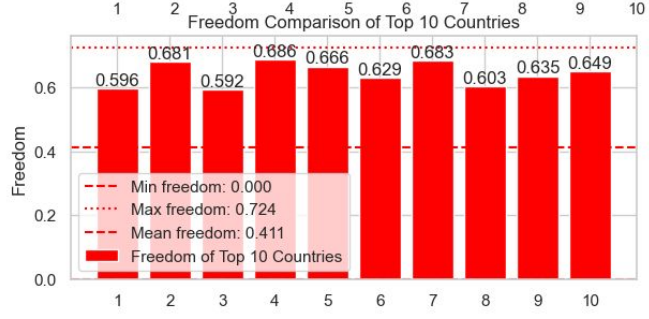

Happiness Score vs Economy (GDP per Capita)
Correlation: 0.79
Economy (GDP per Capita)
Happiness Score


Happiness Score vs Social support
Correlation: 0.76
Social support
Happiness Score

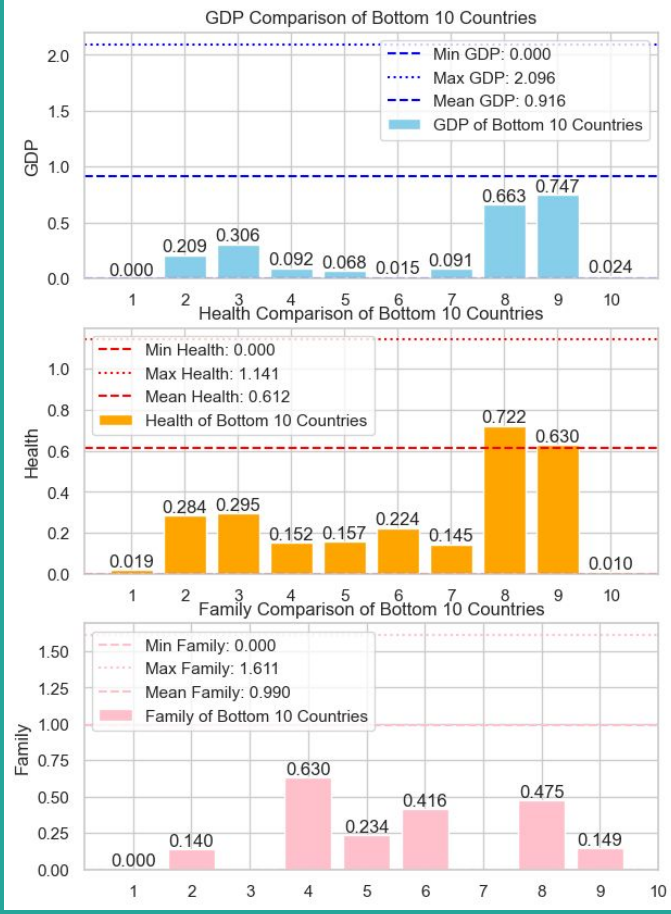


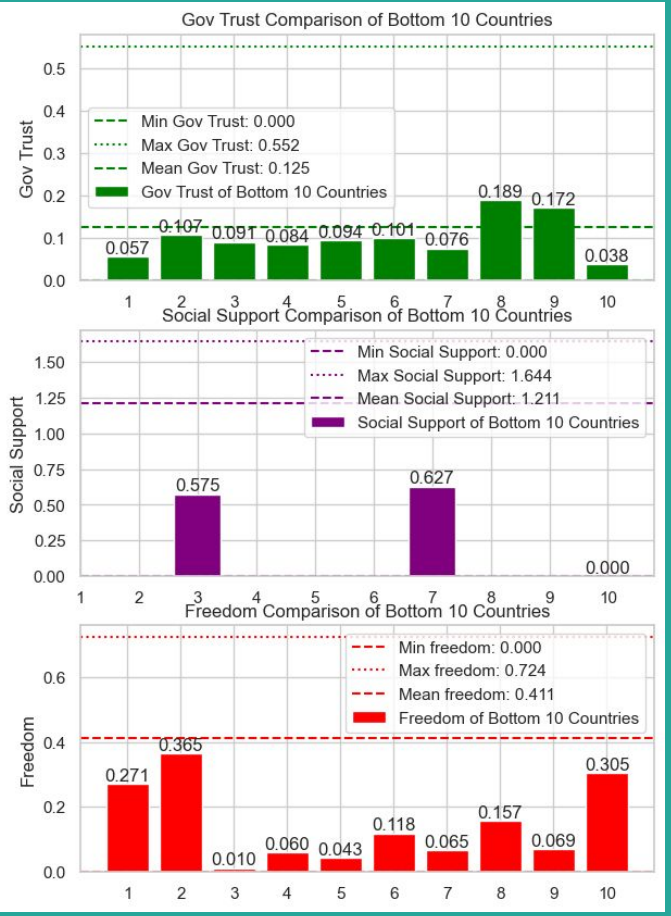






1: Finland (2019). Happiness: 7.769
2: Finland (2018). Happiness: 7.632
3: Denmark (2019). Happiness: 7.600
4: Norway (2018). Happiness: 7.594
5: Switzerland (2015). Happiness: 7.587
6: Iceland (2015). Happiness: 7.561
7: Denmark (2018). Happiness: 7.555
8: Norway (2019). Happiness: 7.554
9: Norway (2017). Happiness: 7.537
10: Denmark (2015). Happiness: 7.527





1: Central African Republic (2017). Happiness: 2.693
2: Togo (2015). Happiness: 2.839
3: South Sudan (2019). Happiness: 2.853
4: Burundi (2017). Happiness: 2.905
5: Burundi (2016). Happiness: 2.905
6: Burundi (2015). Happiness: 2.905
7: Burundi (2018). Happiness: 2.905
8: Syria (2015). Happiness: 3.006
9: Syria (2016). Happiness: 3.069
10: Central African Republic (2018). Happiness: 3.083