

Data Analytics – Excel

Assignment Problem-1

In this assignment, you will be working with a sample dataset to perform descriptive data analytics using Microsoft Excel. The dataset provided contains information about customer orders from an e-commerce platform. Your task is to analyze the dataset and derive meaningful insights using various Excel functions and techniques.

Dataset: Use the following example dataset for the analysis:

Order_ID	Customer_ID	Product	Category	Quantity	Price
1	C001	Smartphone	Electronics	2	799
2	C002	T-Shirt	Apparel	5	25
3	C003	Laptop	Electronics	1	1299
4	C001	Shoes	Footwear	3	99
5	C004	Tablet	Electronics	2	499
6	C005	Headphones	Electronics	1	79
7	C002	Jeans	Apparel	2	50
8	C006	Smartwatch	Electronics	1	199
9	C007	Backpack	Accessories	1	39
10	C008	Dress	Apparel	3	89

Assignment Tasks:

1.Data Exploration:

- Calculate the total number of orders in the dataset.
- Determine the number of unique customers.
- Calculate the total revenue generated from all the orders.
- Identify the most common product category.

2. Descriptive Statistics:

- Calculate the mean, median, and mode of the quantity sold.
- Determine the minimum and maximum prices in the dataset.
- Calculate the range and interquartile range (IQR) of the prices.
- Calculate the standard deviation of the quantity sold.