

FDS Sample Problem Statements

1.NumPy: - Execute different NumPy array operations.

2. NumPy: - Universal functions in NumPy (Statistical)

3. NumPy: - Universal functions in NumPy (Trigonometric).

4. Pandas: - Various operation using iloc.

Fetching all rows & all columns, all rows & some column, some rows and all columns, some rows & some column, all columns excluding some columns

5. Indexing & Slicing: - Indexing & slicing operations on 2 D NumPy array.

6. Indexing & Slicing: - Indexing & slicing operations on 3 D NumPy array.

7. Null values: - Handling null values using pandas' functions.

Prepare a dataset in excel with null values, import the data set using pandas and execute different pandas' function for handling null values.

8. Null values: - Handling null values using pandas

Create simple pandas DataFrame with null values and execute different pandas' function for handling null values.

9. Matplotlib (2 D): - Basic plotting in matplotlib (2D Plotting)

10. Matplotlib (3 D): - 3D & sub plotting in matplotlib

(Counter, Surface, Scatter, Line, Density)

FDS Sample Problem Statements

11. EDA (One Hot Encoding) - Transformation Technique- One Hot Encoding Method for Feature Engineering.

12. EDA- Pearson's correlation.

13. EDA (Removing Outliers)- Detecting & removing outlier using DBSCAN.

14. Measure of central tendency -skewness & kurtosis

15. PowerBI: - Installation of power-BI & Visualisation using different charts

16.Tableau: - Installation of tableau & visualisation using different charts

17. Combining Data set's: -

Concatenate and Append, Combining Datasets: Merge and Join