

## **Statistical foundation of Data Sciences**

### **Practical- 02**

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Workflow summary:

1. Start Jupyter Notebook or Anaconda environment.
2. Import necessary libraries: pandas, numpy, matplotlib, seaborn.
3. Load the dataset `teaching_ratings_dataset.csv`.
4. Display the first five rows of the dataset.
5. Check dataset information using `info()` and `describe()`.
6. Calculate mean, median, minimum, and maximum of the students column.
7. Visualize the distribution of students using a histogram.
8. Plot the relationship between beauty and eval using a scatter plot.
9. Differentiate data points by gender for better comparison.
10. Draw conclusions from the visual patterns and computed statistics.

Github Repository link:

[https://github.com/pineapplesdontbelongonpizza/CSU1658\\_practical1\\_Testing\\_Pandas\\_and\\_Numpy.git](https://github.com/pineapplesdontbelongonpizza/CSU1658_practical1_Testing_Pandas_and_Numpy.git)