Daily Life Correlation Analysis

Objective

To collect small datasets from daily life and calculate correlation to explore relationships between variables.

Dataset 1:Study Hours vs Productivity

Study hours and productivity scores were recorded for 10 days.

Result:

Correlation coefficient (r) ≈ 0.97

Interpretation:

There is a strong positive correlation.

As study hours increase, productivity increases.

Dataset 2: Screen Time vs Test Scores

Screen time and test scores were recorded for 10 days.

Result:

Correlation coefficient (r) ≈ -0.95

Interpretation:

There is a strong negative correlation.

As screen time increases, test scores decrease.

Tools Used

- Python
- Pandas
- Matplotlib
- Google Colab

Conclusion

The project shows that daily habits directly influence academic performance.

Managing time effectively improves productivity and results.