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Data Science Projects

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Welcome to the Data Science Projects Repository! This repository hosts a collection of diverse projects showcasing various data science techniques and applications. Below are brief descriptions of the projects included:

Linear Regression

Implementing linear regression analysis to calculate the regression line, coefficients, and equations for given sample data. Additionally, this project determines the regression line of T on X, providing insights into the relationship between variables.

[View on GitHub](#) | [Run on YouTube](#)

Correlation Heatmap

Explore the correlation between variables through a heatmap visualization technique. This project accurately illustrates correlation values, aiding in understanding relationships within the dataset.

[View on GitHub](#) | [Run on YouTube](#)

Self Driving Mobility Device

Embark on a journey into the realm of autonomous vehicles with this self-driving mobility device project. Leveraging OpenCV, this system employs computer vision to navigate, detect lanes, obstacles, and traffic signs in real-time, showcasing the potential of AI in mobility solutions.

[View on GitHub](#) | [Run on YouTube](#)

Feel free to explore, contribute, and utilize these projects for learning and experimentation purposes. For any inquiries or suggestions, please don't hesitate to reach out.