**REGRESSION**

A diagram of a split evaluation

Description automatically generated with medium confidence

A screenshot of a computer

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A screenshot of a computer

Description automatically generatedA graph of a graph with numbers and equations

Description automatically generated with medium confidence

1. Residual Sum of Squares (RSS): Calculates the sum of the squared differences between actual and predicted values. **RSS = Σ(actual - predicted)^2**
2. Relative Absolute Error (RAE): Measures the average absolute difference between actual and predicted values relative to the average absolute difference between actual values and their mean. **RAE = Σ|actual - predicted| / Σ|actual - mean|**

A screenshot of a math test

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A lot of Variable (Independent Variable/X) can cause overfitting.

1. Reading the datasets A screenshot of a computer code

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2. Data Exploration (Summarize, Select some features/Independent Variable to explore for output Y, visualize)

A close-up of a sign

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1. Create Train / Test Datasets A screenshot of a computer

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Train = 836x4 columns, Test = 231x4 columns

CREATE MODEL (SINGLE REGRESSION MODEL)

1. Train the datasets (<0.8)

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1. Modelling (using sklearn)

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1. Plot Output

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1. Evaluation

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CREATE MODEL (MULTIPLE REGRESSION MODEL)

1. Modelling Multiple vs Single Model

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1. Plot Output

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1. Evaluation

A screenshot of a computer code

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1. SUMMARY

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**QUESTION**

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**QUESTION**

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