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Machine Learning Framework Results

Dataset shape:

- Features shape: (27269, 1085)

- Labels shape: (27269, 2)

- Train samples: 16361

- Val samples: 5454

- Test samples: 5454

Support Vector Regressor (SVR)

- SVR Test set performance:

  - MSE : 0.2637

  - RMSE: 0.5135

  - MAE : 0.3184

  - R^2 : 0.4146

Multiple Linear Regression

- Linear Regression Test set performance:

  - MSE : 0.3747

  - RMSE: 0.6122

  - MAE : 0.4153

  - R^2 : 0.0958

Random Forest

- **Random Forest Test set performance:**

    - MSE : 0.0805

    - RMSE: 0.2837

    - MAE : 0.1628

    - R² : 0.7374