Week 3

Tasks Completed:

- Applied train-test split to balanced dataset (360 total entries).

- Trained baseline models: Linear Regression and Random Forest.

- Initiated hyperparameter tuning for Random Forest.

Challenges Faced:

- Feature scaling required for models like ANN and SVR.

- Initial tuning required multiple iterations to stabilize results.

Tasks Planned for Next Week:

- Complete hyperparameter tuning for all models (RF, SVR, ANN).

- Compare model performance using R^2 and MSE.

- Begin feature importance analysis.