

1. What ML type did you use?

For the Iris Dataset, Logistic Regression was used, a Supervised ML algorithm for classification problems. Logistic Regression predicts a probability. For the Housing Dataset, it uses Linear Regression, a Supervised ML algorithm for regression problems. Linear Regression predicts a real number.

2. What challenge might affect the model?

- Classification (Iris): Logistic Regression - class imbalance, separation issues, and non-linear decision boundaries
- Regression (Housing): Linear Regression - heteroscedasticity and non-normal errors
- Both Models: linearity assumption, outliers, and multicollinearity