

Experiment 3: Implement linear regression to perform prediction.

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$X_{\text{transpose}} = X.T$

$\text{beta} = \text{np.linalg.inv}(X_{\text{transpose}} @ X) @ X_{\text{transpose}} @ y$

Estimated coefficients: [147.51307289 -0.44613934 0.83841444]
RMSE: 6.203

