

Model	Key Notes	Preprocessing	R ² Score
Linear Regression	Basic linear model capturing linear relationships between features and target variable.	None	0.7638
Support Vector Machine (SVR)	Kernel-based regression method, can capture non-linear relationships.	StandardScaler used to normalize features.	-0.0843
Decision Tree Regressor	Tree-based model that splits data into regions for prediction.	None	0.7422
Random Forest Regressor	Ensemble of multiple Decision Trees to improve generalization.	None	0.8505