

	Id	LotArea	OverallQual	OverallCond	YearBuilt	TotalBsmtSF	GrLivArea
0	1	8450	7	5	2003	856	1710
1	2	9600	6	8	1976	1262	1262
2	3	11250	7	5	2001	920	1786
3	4	9550	7	5	1915	756	1717
4	5	14260	8	5	2000	1145	2198

	FullBath	BedroomAbvGr	KitchenAbvGr	GarageCars	GarageArea	SalePrice
0	2	3	1	2	548	208500
1	2	3	1	2	460	181500
2	2	3	1	2	608	223500
3	1	3	1	3	642	140000
4	2	4	1	3	836	250000

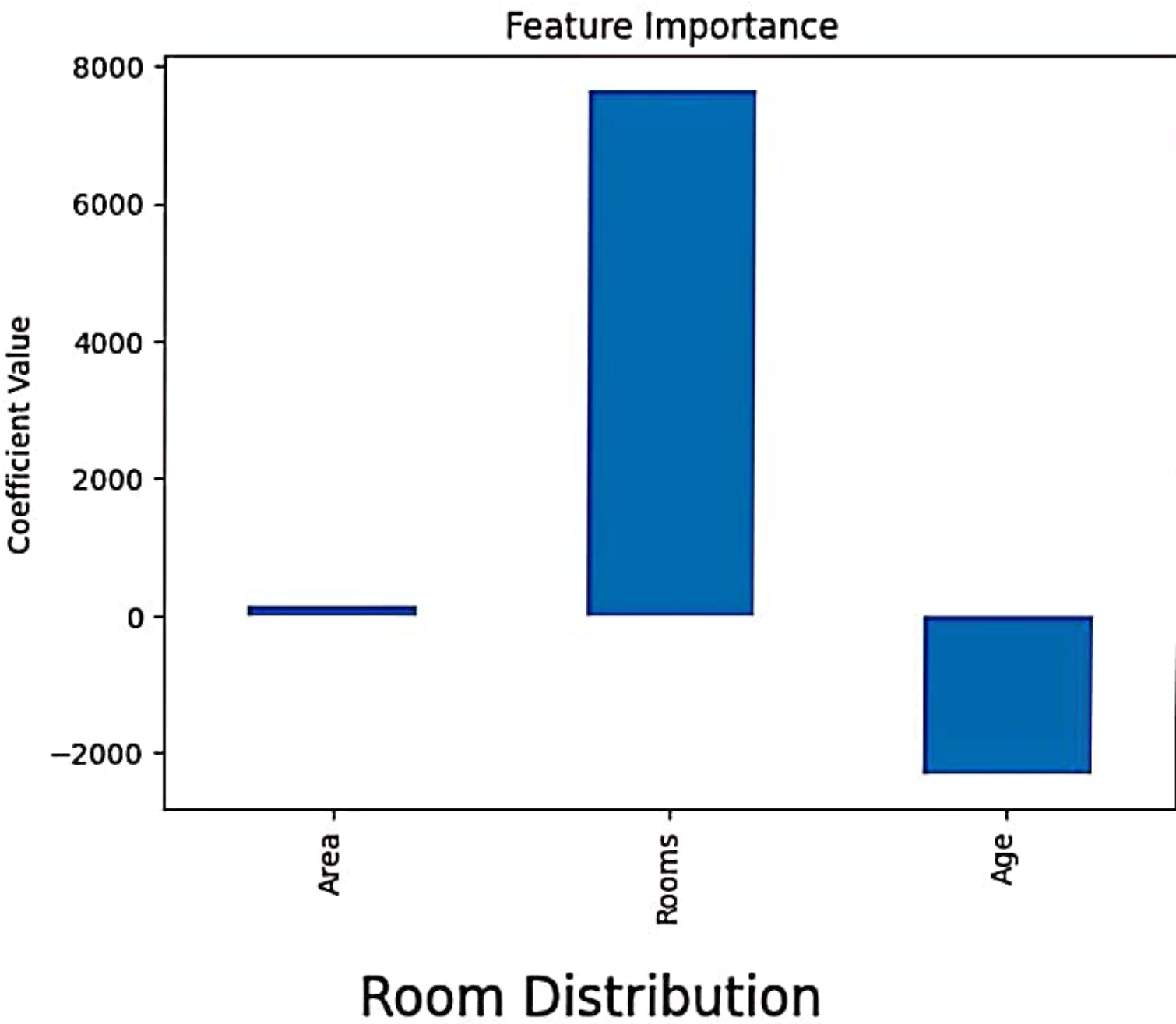
	Id	LotArea	OverallQual	OverallCond	YearBuilt	TotalBsmtSF	GrLivArea
0	1	8450	7	5	2003	856	1710
1	2	9600	6	8	1976	1262	1262
2	3	11250	7	5	2001	920	1786
3	4	9550	7	5	1915	756	1717
4	5	14260	8	5	2000	1145	2198

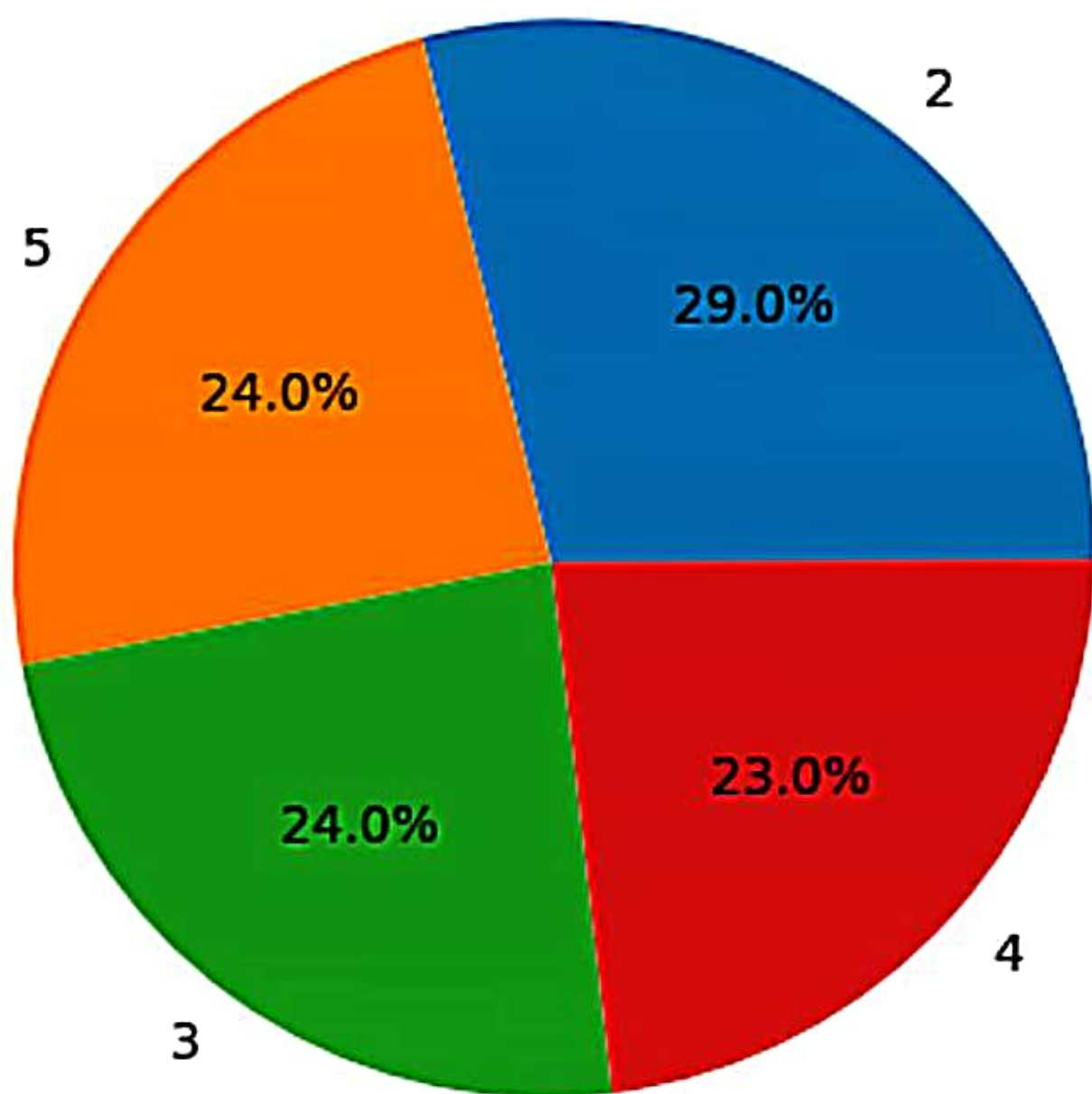
	FullBath	BedroomAbvGr	KitchenAbvGr	GarageCars	GarageArea	Age	\
0	2	3	1	2	548	20	
1	2	3	1	2	460	47	
2	2	3	1	2	608	22	
3	1	3	1	3	642	108	
4	2	4	1	3	836	23	

	TotalRooms	SalePrice
0	6	208500
1	6	181500
2	6	223500
3	5	140000
4	7	250000

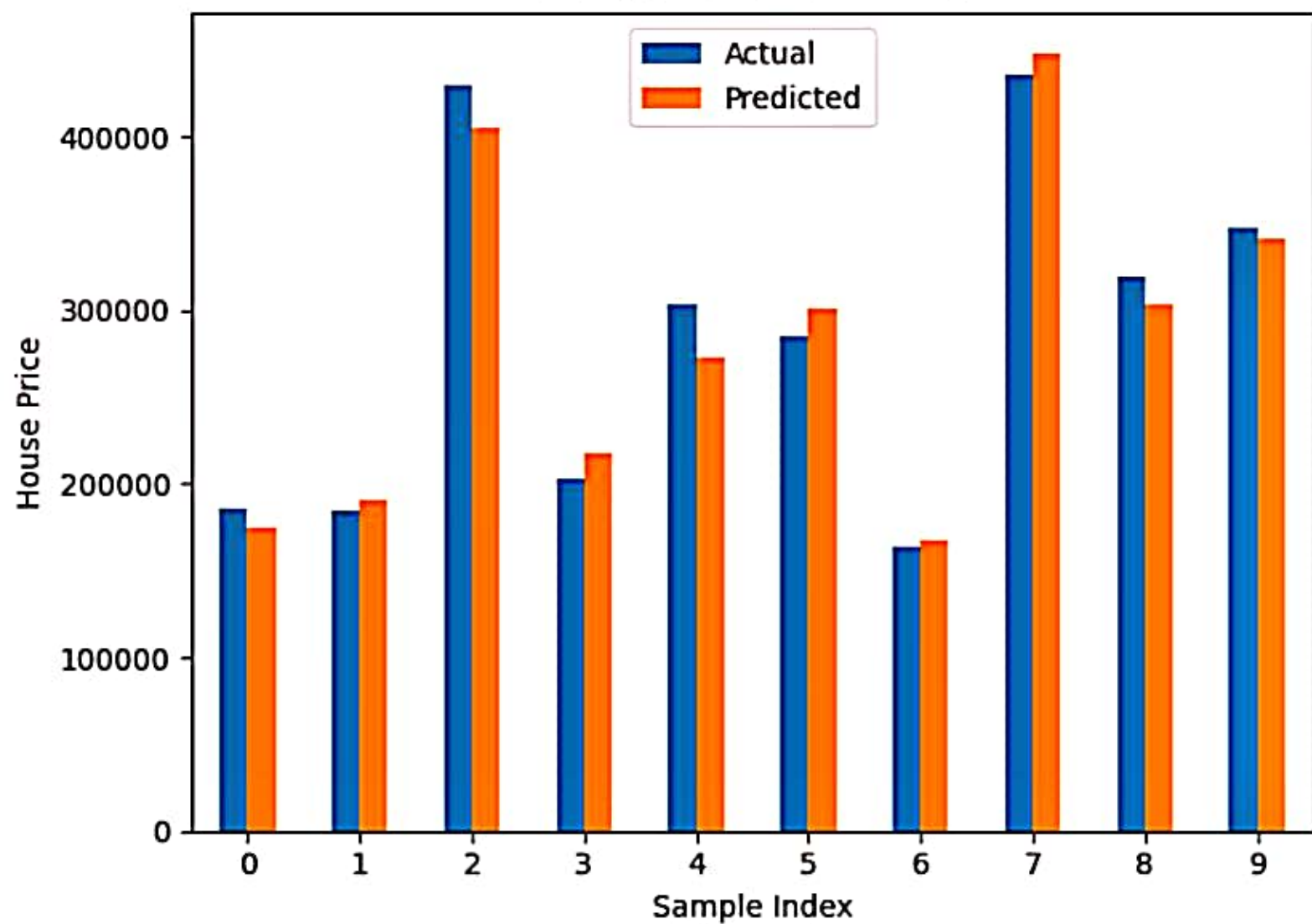
R² Score: 0.9584204686280565

MSE: 447188254.0064572





Actual vs Predicted Prices



	Id	LotArea	GrLivArea	TotalBsmtSF	GarageArea	OverallQual	OverallCond	\
0	1	8450	1710	856	548	7	5	
1	2	9600	1262	1262	460	6	8	
2	3	11250	1786	920	608	7	5	
3	4	9550	1717	756	642	7	5	
4	5	14260	2198	1145	836	8	5	

	YearBuilt	Age	HouseAgeCategory	BathPerBedroom	TotalSqFt	GaragePresence	\
0	2003	20	New	0.67	2566	1	
1	1976	47	Old	0.67	2524	1	
2	2001	22	New	0.67	2706	1	
3	1915	108	Very Old	0.33	2473	1	
4	2000	23	New	0.50	3343	1	

	SalePrice
0	208500
1	181500
2	223500
3	140000
4	250000

	Id	ActualPrice	PredictedPrice	AbsoluteError	SquaredError	APE(%)
0	1	208500	210000	1500	2250000	0.719424
1	2	181500	179000	2500	6250000	1.377410
2	3	223500	220000	3500	12250000	1.565996
3	4	140000	150000	10000	100000000	7.142857
4	5	250000	245000	5000	25000000	2.000000

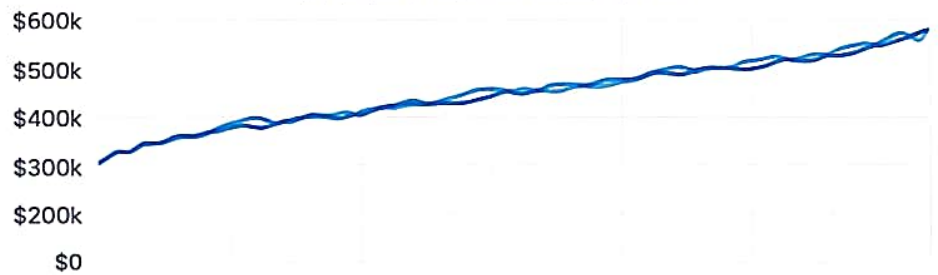
Forecasting House Prices Accurately Using Smart Regression Techniques in Data Science

Features

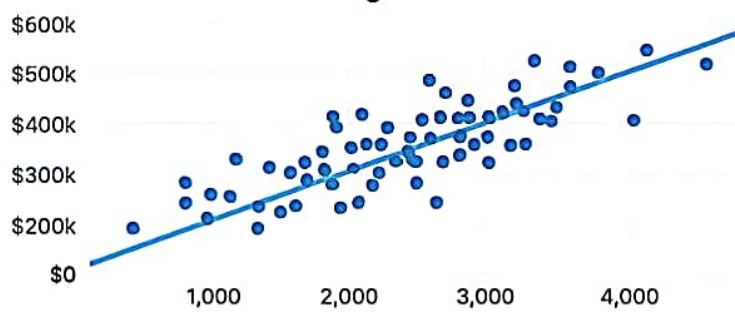
Square Feet	2600
Bedrooms	3
Bathrooms	2
Floors	1

Run

Actual vs. Predicted House Prices



Smart Regression Model



Summary Statistics

Prediction House Prices	\$429,000
R-squared	0.88
MAE	\$24,300