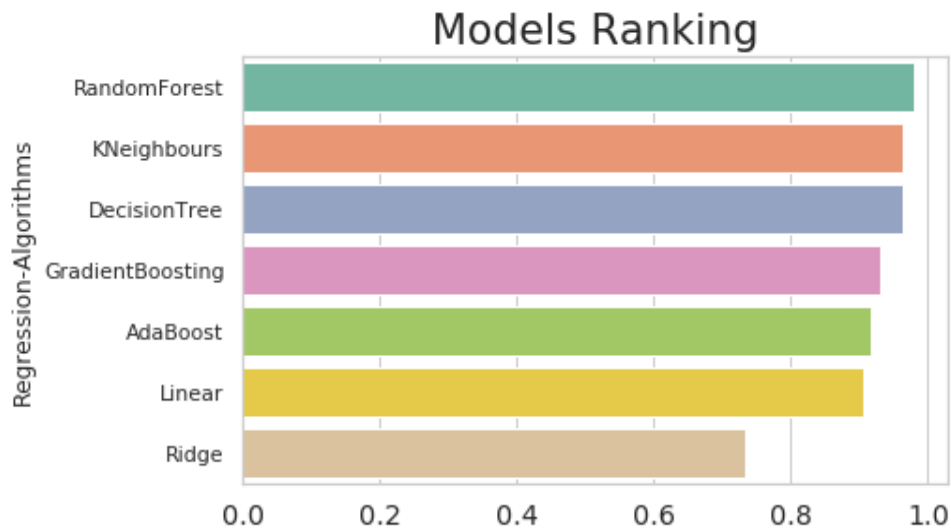# Diamond Price Modelling

Model Algorithms:

- 'RandomForest'
- 'Kneighbours'
- 'DecisionTree'
- 'GradientBoosting'
- 'Linear'
- 'AdaBoost'
- 'Ridge'

Dataset Wrangling:

- Convert categorical values to ascending numerically.
- Drop columns with strong correlations.
- Apply StandardScaler()

Models Ranking

	Regression-Algorithms	R2-Scores	RMSE	MAE	MSE
0	RandomForest	0.979863	592.49	298.54	351044.97
1	KNeighbours	0.963220	786.67	427.28	618851.94
2	DecisionTree	0.962566	778.71	379.27	606383.36
3	GradientBoosting	0.930309	1062.51	691.32	1128917.10
5	AdaBoost	0.915905	1167.15	926.39	1362240.45
4	Linear	0.904712	1242.40	844.14	1543555.33
6	Ridge	0.732334	2082.27	1379.55	4335868.81