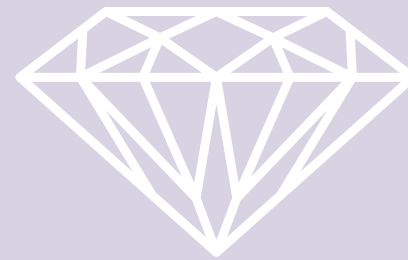


Diamonds Price Predict

By

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Introduction

Our goal from this project is to perform a regression model to predict the  price.

Dataset

This dataset contains of 10 variables such as Carat, Price, Cut, Color, Clarity, depth and Table with 53940 rows.

Clean

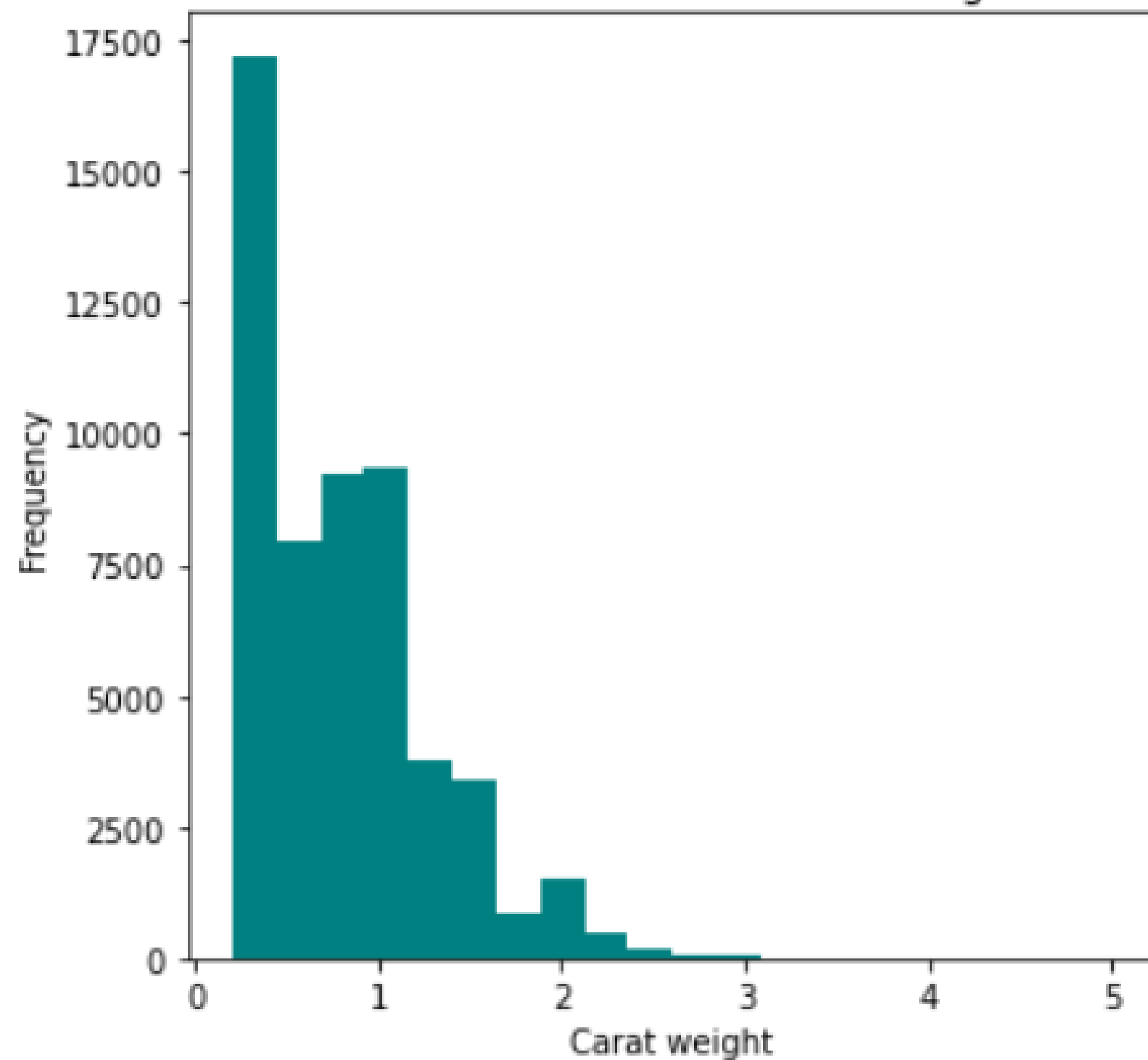
- Drop some columns we don't need in our model training.
- Convert Price feature type from int to float.

HEATMAP

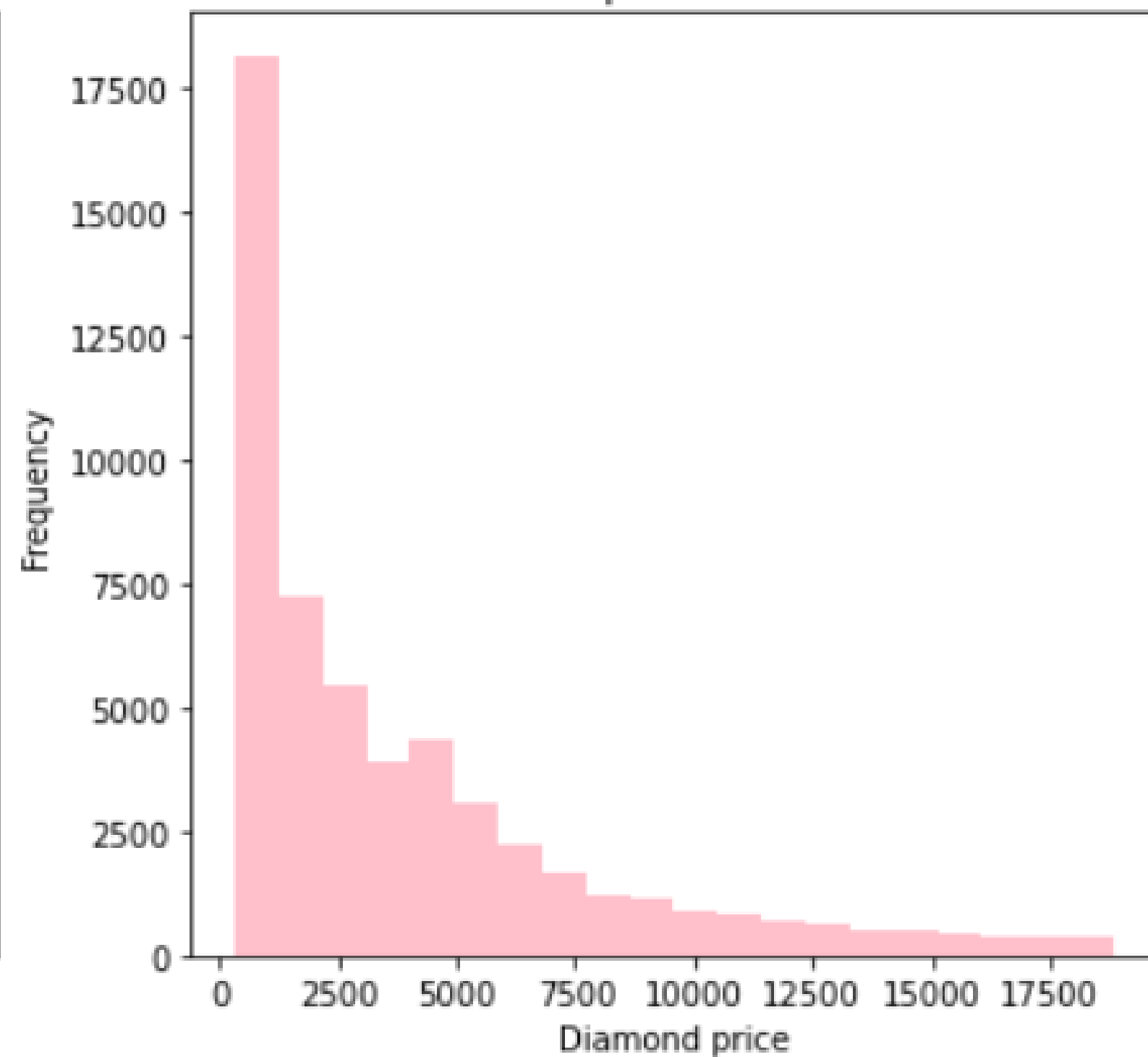
To shows the relations between the features.
This result shows that Carat has the strong correlation with Price.

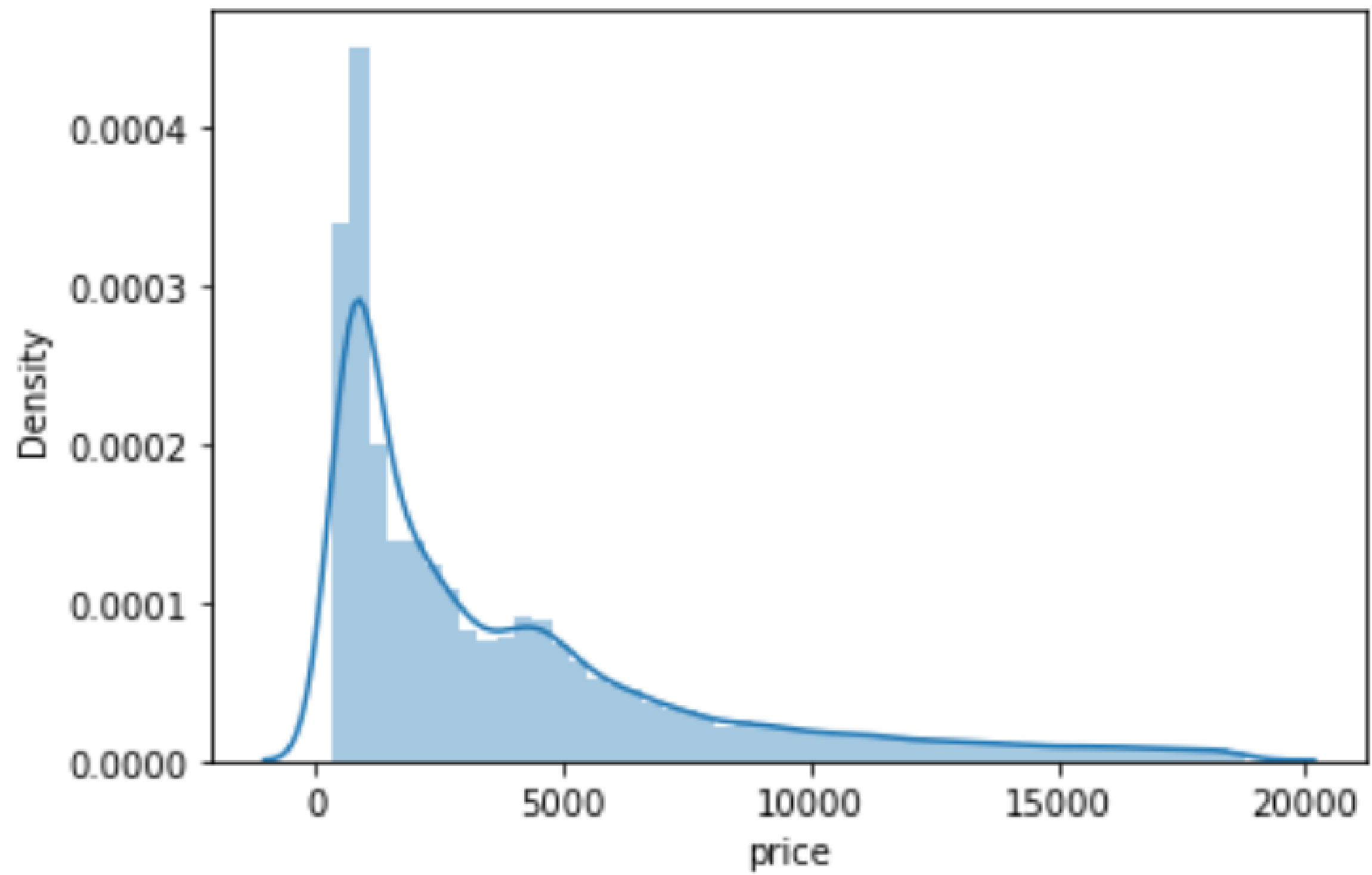


Distribution of diamond carat weight



Diamond price distribution



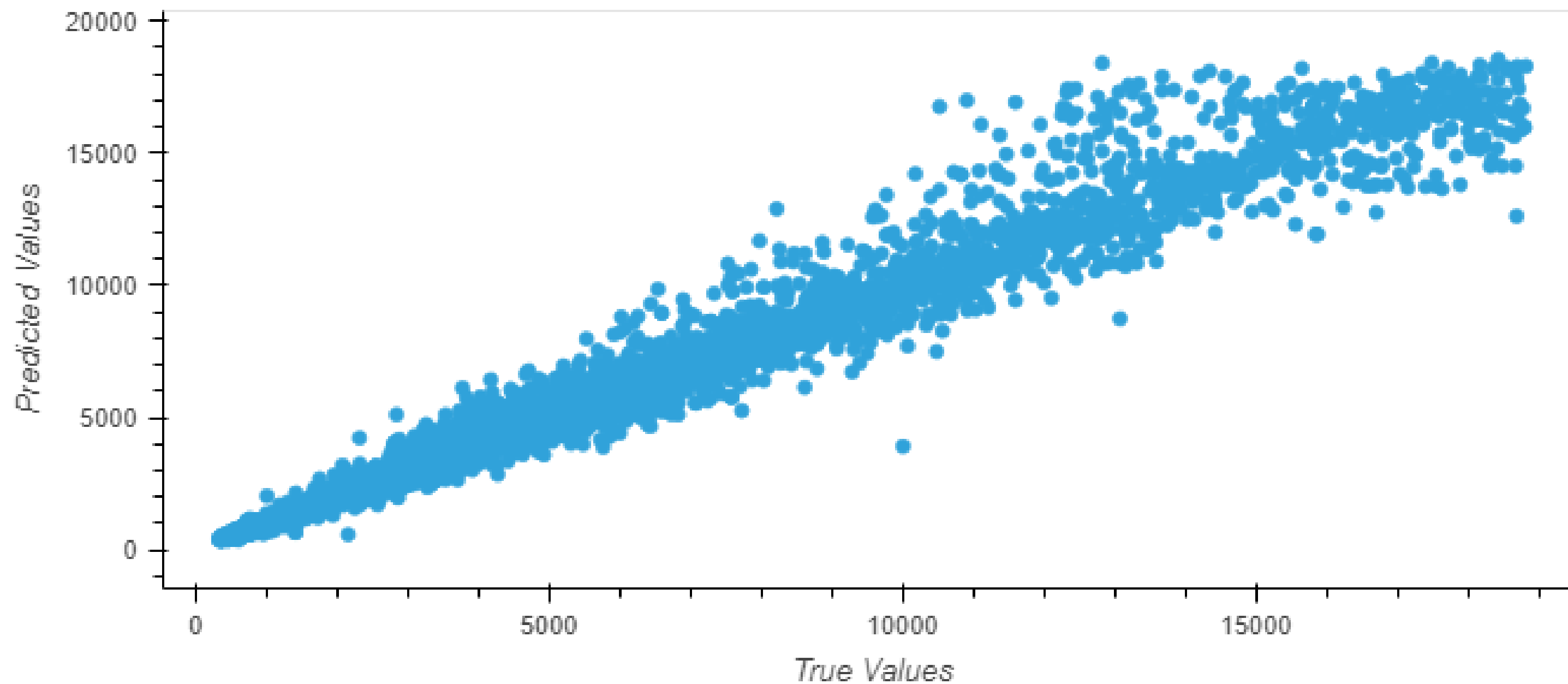


REGRESSION MODELS



- Linear Regression
- Polynomial Regression
- Ridge
- Random Forest

Prediction result





Thank you!

LET US KNOW IF YOU HAVE
QUESTIONS OR CLARIFICATIONS.

