

Cubic Zirconia Price Prediction

By

Ahad Almutairi

Abdulsalam Alqarni

Rayan Almuwayni



Data Science Bootcamp

SDAIA Academy

December 2021

Abstract

In this project we will address the subject of gemstones, specifically the stone of cubic zirconia , which is considered one of the most sought after stones. Interesting to see any machine learning techniques or continued data visualizations applied on this data set.

Design

- Which color is the best of selling stone?
- What is the best clarity of selling stone?
- Does the quality of stone affect its price?
- What is the highest and lowest value of the stone based on its price?

Data

The Dataset we will explore are the cubic zirconia Price prediction using machine learning techniques, the data are taken from the [Gemstone Price Prediction | Kaggle](#).

The Dataset contains (26967 rows \times 11 columns)

Tools

- **Technologies:**

1. Python
2. Jupyter Notebook

- **Algorithms:**

1. Linear Regression
2. Polynomial Regression
3. Decision Tree Regression
4. Ridge Regression

- **Libraries:**

1. Pandas
2. Matplotlib
3. Seaborn
4. Sklearn

Communication



