### Diamond Prices Data Analysis

Diamonds are divided into five impurity types based on the structure of their carbon atoms. The [**Diamonds dataset**](https://www.kaggle.com/shivam2503/diamonds) from Kaggle gives you even more info — cut, clarity, color, and price. Develop your data visualization skills on it with some exploratory data analysis.

**About Dataset**

**Context**

This classic dataset contains the prices and other attributes of almost 54,000 diamonds. It's a great dataset for beginners learning to work with data analysis and visualization.

**Content**

**price** price in US dollars (\$326--\$18,823)

**carat** weight of the diamond (0.2--5.01)

**cut** quality of the cut (Fair, Good, Very Good, Premium, Ideal)

**color** diamond colour, from J (worst) to D (best)

**clarity** a measurement of how clear the diamond is (I1 (worst), SI2, SI1, VS2, VS1, VVS2, VVS1, IF (best))

**x** length in mm (0--10.74)

**y** width in mm (0--58.9)

**z** depth in mm (0--31.8)

**depth** total depth percentage = z / mean(x, y) = 2 \* z / (x + y) (43--79)

**table** width of top of diamond relative to widest point (43--95)