

Diamonds Dataset

Context: A classic dataset containing the prices and attributes of almost 54,000 diamonds.

Data Points: 53,940 rows. **Key Variables:** * **price:** Price in US dollars (Target variable).

* **carat:** Weight of the diamond. * **cut:** Quality of the cut (Fair, Good, Very Good, Premium, Ideal). * **color:** Diamond color, from J (worst) to D (best).

Teaching Goal: Visualize how **carat** (weight) largely determines **price**, but **cut** quality adds nuance. We will use a **Scatter Plot with colored categories**.