Analyze diamonds by their cut, color, clarity, price, and other attributes

Link to data and documentation: https://www.kaggle.com/datasets/faa/wildlife-strikes

About Dataset

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)

	carat	cut	color	clarity	depth	table	price	x	y	z
1	0.23	Ideal	E	SI2	61.5	55	326	3.95	3.98	2.43
2	0.21	Premium	E	SI1	59.8	61	326	3.89	3.84	2.31
3	0.23	Good	E	VS1	56.9	65	327	4.05	4.07	2.31
4	0.29	Premium	I	VS2	62.4	58	334	4.2	4.23	2.63
5	0.31	Good	J	SI2	63.3	58	335	4.34	4.35	2.75