

Diamonds – description of data

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 = $z / \text{mean}(x, y) = 2 * z / (x + y)$ (43--79)

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