Prices of 50,000 round cut diamonds

Description

A dataset containing the prices and other attributes of almost 54,000 diamonds. The variables are as follows:

Format

A data frame with 53940 rows and 10 variables

Details

- 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)

- colour. diamond colour, from J (worst) to D (best)

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