

Boston housing real estate dataset

1. How does crime affect the price of real estate?
2. How is proportion of owner-occupied units established prior to 1940 related to the price of real estate?
3. How does the concentration of NO₂ in the air affect the price of real estate?
4. Is the number of rooms related to the price of real estate?
5. Is there any relationship between the proportion lower financial class and price drop in real estate?
6. How do the rates fluctuate based on the crime rate in the area?
7. Does your selection range of price impact parameters such as the Average crime rate and pupil teacher ratio?

The Boston house-price data of Harrison, D. and Rubinfeld, D.L. 'Hedonic prices and the demand for clean air', J. Environ. Economics & Management, vol.5, 81-102, 1978. Used in Belsley, Kuh & Welsch, 'Regression diagnostics ...', Wiley, 1980. N.B. Various transformations are used in the table on pages 244-261 of the latter.

Variables in order:

CRIM per capita crime rate by town
ZN proportion of residential land zoned for lots over 25,000 sq.ft.
INDUS proportion of non-retail business acres per town
CHAS Charles River dummy variable (= 1 if tract bounds river; 0 otherwise)
NOX nitric oxides concentration (parts per 10 million)
RM average number of rooms per dwelling
AGE proportion of owner-occupied units built prior to 1940
DIS weighted distances to five Boston employment centers
RAD index of accessibility to radial highways
TAX full-value property-tax rate per \$10,000
PTRATIO pupil-teacher ratio by town
B $1000(B_k - 0.63)^2$ where B_k is the proportion of blacks by town
LSTAT % lower status of the population
MEDV Median value of owner-occupied homes in \$1000's

From <<http://lib.stat.cmu.edu/datasets/boston>>

Global super store data

1. Which country is least profitable?
2. Which country is most profitable?
3. How much profit have we made in Japan?
4. Why are we losing money in Ireland?
5. Which specific product (sub-category) would you recommend we rethink due to profitability issues?
6. If you had to pick one country to stop selling tables to, which one would you pick(based on profit)?
7. Which sub category has shown the best profit growth in the USA?
8. What kind of trend do we typically observe in sales across the four quarters each year?