HousePrices   R Documentation

House Prices in the City of Windsor, Canada

Description

Sales prices of houses sold in the city of Windsor, Canada, during July, August and September, 1987.

Usage

```
data("HousePrices")
```

Format

A data frame containing 546 observations on 12 variables.

price

>   Sale price of a house.

lotsize

>   Lot size of a property in square feet.

bedrooms

>   Number of bedrooms.

bathrooms

>   Number of full bathrooms.

stories

>   Number of stories excluding basement.

driveway

>   Factor. Does the house have a driveway?

recreation

>   Factor. Does the house have a recreational room?

fullbase

>   Factor. Does the house have a full finished basement?

gasheat

>   Factor. Does the house use gas for hot water heating?

aircon

>   Factor. Is there central air conditioning?

garage

Number of garage places.

prefer

Factor. Is the house located in the preferred neighborhood of the city?

Source

Journal of Applied Econometrics Data Archive.

http://qed.econ.queensu.ca/jae/1996-v11.6/anglin-gencay/

References

Anglin, P., and Gencay, R. (1996). Semiparametric Estimation of a Hedonic Price Function. *Journal of Applied Econometrics*, **11**, 633–648.

Verbeek, M. (2004). *A Guide to Modern Econometrics*, 2nd ed. Chichester, UK: John Wiley.

Examples

```
data("HousePrices")

### Anglin + Gencay (1996), Table II
fm_ag <- lm(log(price) ~ driveway + recreation + fullbase + gasheat +
  aircon + garage + prefer + log(lotsize) + log(bedrooms) +
  log(bathrooms) + log(stories), data = HousePrices)

### Anglin + Gencay (1996), Table III
fm_ag2 <- lm(log(price) ~ driveway + recreation + fullbase + gasheat +
  aircon + garage + prefer + log(lotsize) + bedrooms +
  bathrooms + stories, data = HousePrices)

### Verbeek (2004), Table 3.1
fm <- lm(log(price) ~ log(lotsize) + bedrooms + bathrooms + aircon, data = HousePrices)
summary(fm)

### Verbeek (2004), Table 3.2
fm_ext <- lm(log(price) ~ . - lotsize + log(lotsize), data = HousePrices)
summary(fm_ext)

### Verbeek (2004), Table 3.3
fm_lin <- lm(price ~ . , data = HousePrices)
summary(fm_lin)
```