

Data Set C.7 Real Estate Sales

The city tax assessor was interested in predicting residential home sales prices in a mid-western city as a function of various characteristics of the home and surrounding property. Data on 522 arms-length transactions were obtained for home sales during the year 2002. Each line of the data set has an identification number and provides information on 12 other variables. The 13 variables are:

Variable Number	Variable Name	Description
1	Identification number	1–522
2	Sales price	Sales price of residence (dollars)
3	Finished square feet	Finished area of residence (square feet)
4	Number of bedrooms	Total number of bedrooms in residence
5	Number of bathrooms	Total number of bathrooms in residence
6	Air conditioning	Presence or absence of air conditioning: 1 if yes; 0 otherwise
7	Garage size	Number of cars that garage will hold
8	Pool	Presence or absence of swimming pool: 1 if yes; 0 otherwise
9	Year built	Year property was originally constructed
10	Quality	Index for quality of construction: 1 indicates high quality; 2 indicates medium quality; 3 indicates low quality
11	Style	Qualitative indicator of architectural style
12	Lot size	Lot size (square feet)
13	Adjacent to highway	Presence or absence of adjacency to highway: 1 if yes; 0 otherwise

1	2	3	4	5	6	7	8	9	10	11	12	13
1	360000	3032	4	4	1	2	0	1972	2	1	22221	0
2	340000	2058	4	2	1	2	0	1976	2	1	22912	0
3	250000	1780	4	3	1	2	0	1980	2	1	21345	0
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520	133500	1922	3	1	0	2	0	1950	3	1	14805	0
521	124000	1480	3	2	1	2	0	1953	3	1	28351	0
522	95500	1184	2	1	0	1	0	1951	3	1	14786	0

Data Set C.8 Heating Equipment

A manufacturer of heating equipment was interested in forecasting the volume of monthly orders as a function of various economic indicators, supply-chain factors, and weather in a particular sales region. Data by month over a four-year period (1999–2002) for this region were available for analysis. Each line of the data set has an identification number and provides information on 9 other variables. The 10 variables are: