

BUS 735: Business Decision Making and Research

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In-class Exercise: Regression Analysis

The dataset *house.sav* data on 239 recently sold houses including the selling price (in thousands of dollars), the size of the house (in square feet), the number of bedrooms, whether or not the house is on a corner lot (1=corner lot, 0=otherwise) and the age of the house in years. Develop a regression model that can help potential home sellers figure out how much they might get for their house based on the other variables in the dataset.

1. Estimate the regression equation and write down the estimated equation.
2. What is your prediction for the average selling price of a house that is on a corner lot, has 3 bedrooms, is 2412 square feet, and is 18 years old?
3. What percentage of the variability in selling price is explained by your explanatory variables?

