insAnalytics

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|Machine Learning Project|

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Directions:

1. Use the attached given datasets for all analysis
2. The problems can b e solved through Python or any other tools/software

Data Reference:

Household Price Analysis:

This is data contains details of 58 cases of household resell in one city.

Local Price:	The local selling prices, in hundreds of dollars;
Bathrooms Count:	Number of bathrooms
Area in Sqft:	Area of the site in thousands of square feet
Living Space in Sqft:	Size of the living space in thousands of square feet;
Garage Count:	Number of garages
Rooms Count:	Number of rooms
Bedrooms Count:	Number of bedrooms
Age:	Age in years for the site
Material:	Brick, or Brick/Wood, or Aluminium/Wood, or Wood.
Level:	Two story, or Split level, or Ranch
Selling Price:	The final selling price

Project Problems:

1. Using "*Household Price Analysis*" do thefollowing:
    a. Do a proper plot to visually identify the relationship of final selling price with area selling price and area of the site? What is your conclusion?
    b. Calculate proper correlation measures, to further establish your conclusion above.
    c. Create two new variables as defined below:
        i. Average Room Size : Living Space area divided by Number of Bedrooms
        ii. % of Area under Living space : Living Space area divided by the area of the site
    d. Build a Machine Learning Modelto predict "Selling Price" through other variables.
    e. What are your conclusions from the result?