The Market Values of Housing Units

This project consists of 4 questions to be done using Microsoft Excel:

1. Are there some differences in the Market values of occupied versus not occupied housing units? Do these differences have a pattern over the period 2005 through 2013?
2. Analysis of the differences in Fair Market Rents across the various years
3. A regression model for the Market value of housing units using data for year 2013
4. A regression model to predict the Market value of housing units in year 2013

The data from this project comes from the "Housing Affordability Data System" (HADS) of the U.S. Department of Housing and Urban Development. The aims of this data are to study the housing affordability relative to Median income, Poverty level income, and Fair market rent. The data is made available every two years and, in this project, we will use data from 2005, 2007, 2009, 2011, and 2013. Here is the URL to download the data: https://www.huduser.gov/portal/datasets/hads/hads.html The housing-level variables include:

- Number of rooms in the housing units
- The year it was built
- Occupied or vacant, rented or owned
- Single family or multi-family structure
- Number of units in the building
- Market value, housing costs
- Number of people leaving, household income
- Type of rental area (urban or sub-urban)

Here is my answer to question 1: click here

Here is my answer to question 2: click here

Here is my answer to question 3: click here

Here is my answer to question 4: click here