Project 2

Using the provided dataset, perform the required analysis and modeling. It is important to keep your code/analysis clean, self-explanatory, and inline with coding standards and principles (e.g. PEP 8, DRY).

Task items:

- Is there a statistically significant difference among the different categories of 'GarageFinish' in terms of average 'SalePrice' amount?
    - Assume a significance level of 5%
    - Clearly state your hypotheses
    - Explain your choice of test (parametric/non-parametric, one-tailed/two-tailed, etc.)
    - Perform post-hoc (i.e. pair-wise) analysis to calculate adjusted p-values
    - Report your conclusions

- Train a multiple linear regression model to predict 'SalePrice'.
    - Choose the best predictors while explaining your decisions
    - Show that your model does not violate the basic assumptions of multiple linear regression models