# Individual Project (Due 26th March 2021)

Imagine that you are a data analytics consultant for a firm who wants to get projected sale price of houses from house sale advertisements currently in the market, ignoring their asking price. The housing data (`housing.csv`)collected by the firm includes 500 sales in the last six months and include the variables. The last column is the outcome variable.

- **elevation**: Elevation of the base of the house
- **dist_am1**: Distance to Amenity 1
- **dist_am2**: Distance to Amenity 2
- **dist_am3**: Distance to Amenity 3
- **bath**: Number of bathrooms
- **sqft**: Square footage of the house
- **parking**: Parking type
- **precip**: Amount of precipitation
- **price**: Final House Sale Price

Now develop the best possible linear regression model to predict the house sale price using the variables using the techniques that you have learned in this course. Interpret the variables included and provide explanation for your choice of best model.

To be submitted: 2 files

- (Commented) R Script file: This should contain the code you used to analyse the data as well as sensible comments indicating what was done at each stage (no page limit). This should be a plain text file.
- Executive summary: This is a summary of the analysis performed with plots, tables, results and conclusions/recommendations based on the analysis. Maximum of 2 pages total (following the template) in at least size 11 font (margins of 0.5 inch at least). Do not include unnecessary figures and make sure figures are not too small to see. This should be a pdf file.