# House Price Project Problem Statement

## Client: King County Department of Assessments, Washington State, USA.

**Problem:** The King County Assessor (https://kingcounty.gov/depts/assessor.aspx) is responsible for calculating property taxes for the Seattle area. According to the department's website, residential property is assessed each year at its full market value, which is defined as "the amount a buyer, willing but not obligated to buy, would pay to a seller willing but not obligated to sell." Property valuation is a politically contentious issue, and the assessor is looking to make use of all available to data to produce the most accurate market valuation of constituents' properties.

**Requirement:** Using the *house_sales.csv* dataset, your team must create the most accurate multiple linear regression model they can to predict house prices (the *AdjSalePrice* variable). Accuracy will be measured according to both in-sample statistics (Multiple R-squared, F score, etc.) and out-of-sample statistics (i.e. RMSE of the prediction model on a holdout sample). At the end of the project, your team will be required to explain and justify its final model selection in a five minute presentation, which should also include a short handout (no more than two sides of A4).