Simple **linear regression** has only **one** x and **one** y variable. **Multiple linear regression** has **one** y and two or more x variables. **For** instance, when we predict rent based on square feet alone that **is** simple **linear regression**.

When should you use multiple linear regression?

**Multiple linear regression** is **used to** estimate the relationship between **two** or more independent variables and **one** dependent variable

A **linear regression** model extended to include more **than** one independent variable is called a **multiple regression** model. It is more accurate **than simple regression**. The purpose of **multiple regressions** are: i) planning and control ii) prediction or forecasting.





