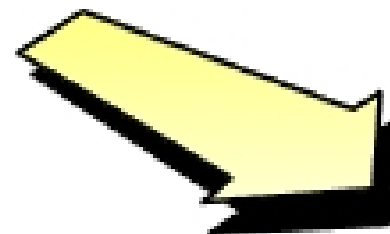


# **Statistical Techniques I**

EXST7005

## **Simple Linear Regression**



# Simple Linear Regression

- Measuring & describing a relationship between two variables
  - ➔ Simple Linear Regression allows a measure of the rate of change of one variable relative to another variable.
  - Variables will always be paired, one termed an independent variable (often referred to as the X variable) and a dependent variable (termed a Y variable).
  - There is a change in the value of variable Y as the value of variable X changes.

# Simple Linear Regression (*continued*)

- For each value of  $X$  there is a population of values for the variable  $Y$  (normally distributed).

