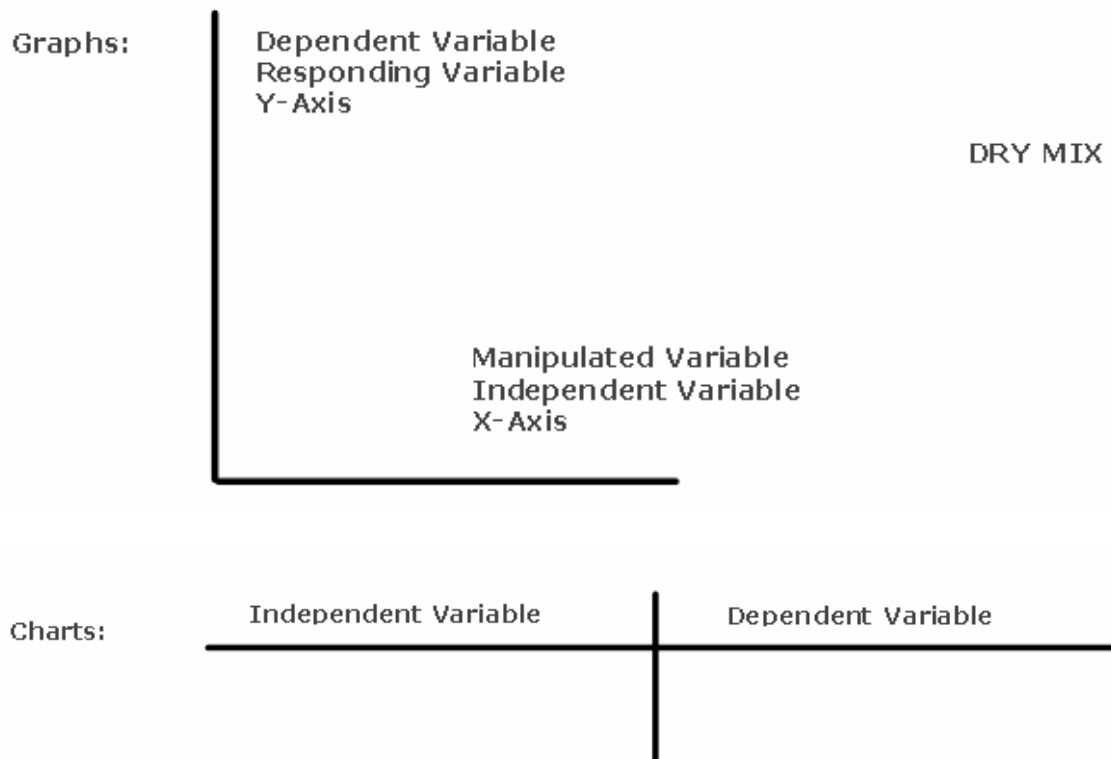


# CONTROLLED EXPERIMENTS AND VARIABLES



## Controlled Investigations (experiments) involve:

- 1) deliberately changing one variable at a time
- 2) observing the effect on another variable, while
- 3) holding all other variables constant

**Independent (manipulated) variable** - a variable the experiment deliberately changes or manipulates in an investigation

**Dependent (responding) variable** – a variable that changes in an investigation in response to changes in the independent variable

**Control variable** – variables that are deliberately kept constant or unchanged in an investigation in order not to confound the results.