

INTERACTIONS

INDEPENDENT VARIABLES & LEVELS OF IV'S

2 IV'S,
Both affecting the same DV

E.g., DV = Memory

IV1 =

IV2 =

LEVELS OF INDEPENDENT VARIABLES

IV1 (3 levels)

- 1
- 2
- 3

IV2

- 1
- 2

Verbal Definition of Interaction

Two Independent Variables (IV1 & IV2) are said to interact if...

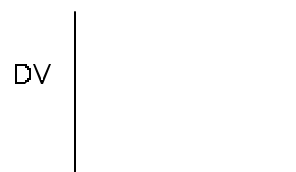
Memory Example

Memory Strategy, Study Time & Number of Items recalled

If there **IS** an interaction then the effect of Memory Strategy will depend on...

Table of Cell Means

Graph of Cell Means



If there is **NO interaction** then the effect of Memory Strategy....

Table of Cell Means

Graph of Cell Means



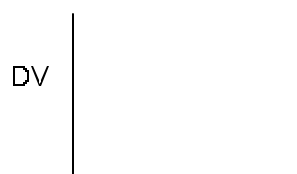
Review Verbal Definition

MORE EXAMPLES

Pollution

How Sulfur Dioxide (SO₂) and Carbon Monoxide (CO) affect Health

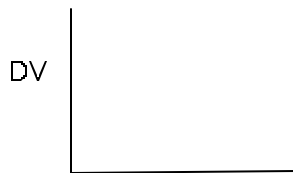
If there is **NO Interaction** then the effect of SO₂ will ...



In there **IS** an Interaction the effect of SO_2

Table of Cell Means

Graph of Cell Means



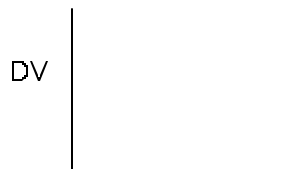
Drug Interactions

ALCOHOL, BARBITURATES, & METABOLISM

No Interaction: The effect of Alcohol will ...



Interaction: The effect of Alcohol will..



Therapy

TYPE OF PSYCHOTHERAPY, PRESENTING PROBLEM, & MENTAL HEALTH
(FUNCTIONING)

If there is NO Interaction then the effect of Type of Therapy will ...



If there IS an Interaction then effect of Type of Therapy will ...

