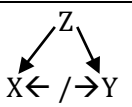
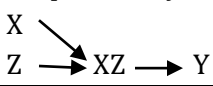


## Summary Notes on Statistical Elaboration

J. Fletcher

Name of Effect	Symbolic Representation	Crosstab Results	Regression Results
Replication	Irrespective of Z $X \leftarrow \rightarrow Y$	Same results in control tables as in original table without controls	X predicts Y with and without Z being in equation
Interpretation	$X \rightarrow Z \rightarrow Y$	All control tables show weaker relationship than original table	Entering Z into equation reduces or eliminates X's influence on Y
Explanation	 $X \leftarrow / \rightarrow Y$	All control tables show weaker relationship than original table	Entering Z into equation reduces or eliminates X's influence on Y
Specification	If $Z = 1$ $X \leftarrow \rightarrow Y$ If $Z \neq 1$ $X \leftarrow / \rightarrow Y$ Or, preferably  $X \rightarrow Z \rightarrow XZ \rightarrow Y$	Only one (or some) of control tables show relationship from original table	An interaction term of the form $X*Z$ predicts Y
Suppression	Without control for Z: $X \leftarrow / \rightarrow Y$ With control for Z $X \leftarrow \rightarrow Y$	Control tables reveal a relationship that was not evident in original table without controls	Entering Z into equation allows X to predict Y