
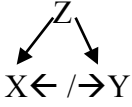


## Summary Notes on Statistical Elaboration

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