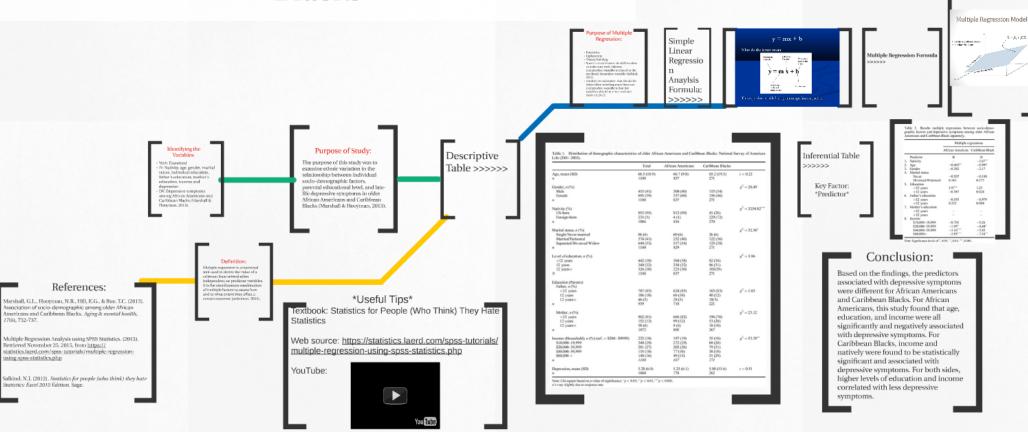
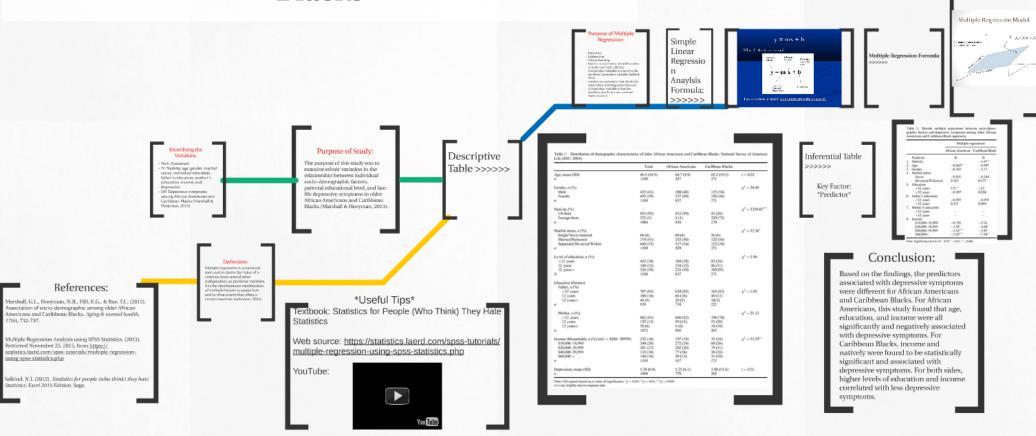
Multiple Regression Anaylsis: Association of socio-demographic factors and parental education with depressive symptoms among older African Americans and Carribean Blacks

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Purpose of Study:

The purpose of this study was to examine ethnic variation in the relationship between individual socio-demographic factors, parental educational level, and latelife depressive symptoms in older African Americans and Caribbean Blacks (Marshall & Hooyman, 2013).

Definition:

Multiple regression is a statistical tool used to derive the value of a criterion from several other independent, or predictor variables. It is the simultaneous combination of multiple factors to assess how and to what extent they affect a certain outcome (unknown, 2015).

Identifying the Variables:

- Verb: Examined
- IV: Nativity, age, gender, marital status, individual education, father's education, mother's education, income and depression.
- DV: Depressive symptoms among African Americans and Caribbean Blacks (Marshall & Hooyman, 2013).

Purpose of Multiple Regression:

- Prediction
- Explanation
- Theory Building
- Special consideration should be taken to make sure each different independent variable is related to the predicted dependent variable (Salkind, 2012).
- Another consideration that should be taken when selecting more than one independent variable is that the variables should not be correlated (Salkind, 2012).

Simple Linear Regressio Anaylsis Formula:

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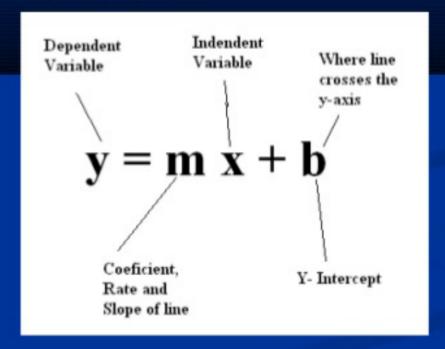
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ind,

be

$$y = mx + b$$

What do the letters mean?



This equation is called: slop-intercept form equation.