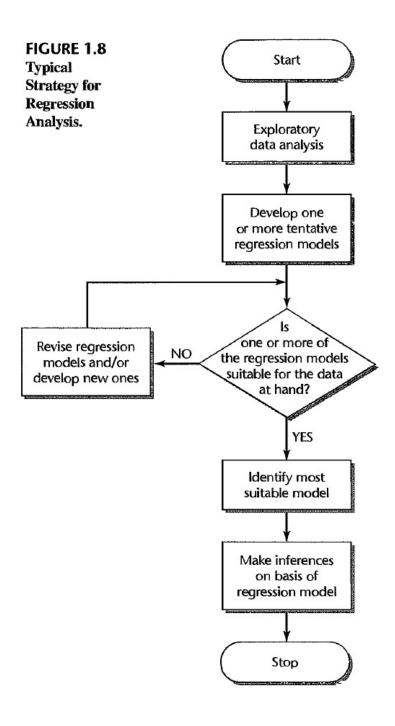
Section 1.5. Overview of Steps in Regression Analysis

Note. We briefly discuss the conditions for the applicability of a regression model being appropriate for the available data (be it observational or experimental data).



Section 1.5. Overview of Steps in Regression Analysis

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Note. Unless there is existing knowledge on which regression model to apply to

data (normally the case in a new study), then the first step is an "exploratory

data analysis," as given in Figure 1.8. This is to result in a preliminary regression

model (or models). These models are then revised or discarded and replaced with

new models until a model judged to be suitable is chosen. Inferences about the

regression parameters of the model and predictions of new observations can then be

considered. We begin with a discussion of these inferences. Once we have discussed

regressions models in more detail, we will return to the decision process concerning

choosing an "appropriate" regression model.

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