Lecture 1: What is Econometrics

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Outline

What is Econometrics

Definition of Econometrics

Stock and Watson (2015) define Econometrics as

At a broad level, econometrics is the science and art of using economic theory and statistical techniques to analyze economic data.

Econometrics is a science because it essentially complies with the principle of falsifiability of scientific research, as Karl Popper defined.

The reasoning cycle of scientific research

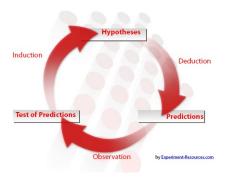


Figure: A reasoning cycle of scientific research