

Simple Linear Models

A jack of all trades?

Why use probabilistic models?

What questions do we want to answer?

- Statistical models should answer questions
 - What is the relation between two variables?
 - What is the difference between two groups?
 - What are the sources of variation in the data?
 - What is the expected result of an intervention?

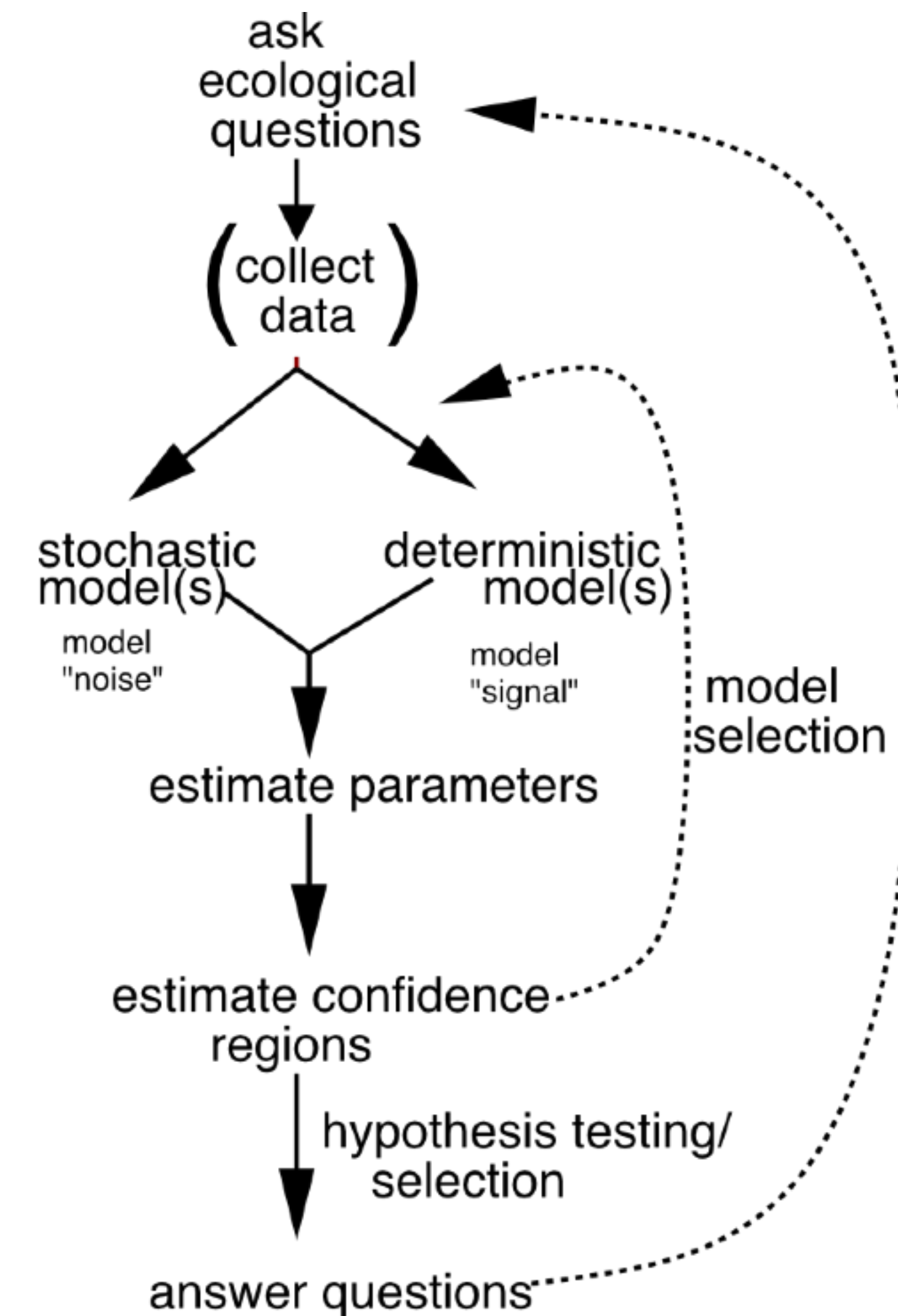


Figure 1.5 Flow of the modeling process.