Random Walks
and Simulation Models

Lecturer: John Guttag

Simulation Models

Simulation attempts to build an experimental device called a model

Kinds of Simulation Models

Deterministic simulations are completely defined by the model
    Rerunning the simulation will not change the result

Stochastic simulations include randomness
    Different runs can generate different results

In a discrete model, values of variables are enumerable (e.g., integers). In a continuous model, they are not enumerable (e.g., real numbers).