

## What is Simulation

### □ Research Question

- Example: What is relationship between body weight and breast circumference

### □ Step 1: Search for already available results

- Paper: (Intercept) : -1065.1  
Slope : 8.67

Residual standard error: 11.08

- Number of observations: 30

- Simulate: BC as random normal sample ~~for~~ with same mean and same sd as in paper

- Simulate BW based on regression

$$BW_i = b_0 + b_1 \cdot BC_i + e_i$$

random residual