

7.1a Sampling Distributions

Parameter

A number that describes the population

- A fixed value -

μ = population ^{true} mean

σ = population st. dev.

p = population proportion

vs.

Statistic

a number computed from a sample of data

- Varies depending on the sample -

\bar{x} = sample mean

S = sample st. dev.

\hat{p} = sample proportion