Confidence Interval

Population Mean $\mu$

- Large Sample
  - $\sigma$, population standard deviation is known
    - $Z$-interval
      - Normal population
        - $T$-interval
  - $\sigma$, population standard deviation is unknown

- Small Sample
  - $\sigma$, population standard deviation is known
    - Normal population
      - $Z$-interval
    - $T$-interval
  - $\sigma$, population standard deviation is unknown

Population Proportion $p$

- Large sample
  - $Z$-interval
- Small sample