When can the Normal Distribution be used to approximate the binomial?

\[ \mu = np \]

\[ n-p \geq 10 \]
\[ n(1-p) \geq 10 \]

\[ np \geq 10 \]
\[ nq \geq 10 \]

**Criteria for Approximate Normality:**

Statisticians see this as a directive regarding how large their samples need to be.