

Hypothesis Testing Roadmap

Notes:

1. Box Text Colors Legend:

Black Bold Font: Name of the Statistical Test
Red Font: Mathematical Expression of Hypotheses
Purple Bold Font: Minitab routine for the Hypothesis Test

- H_a can be $<$, $\neq$, or $>$
- If $P\text{-value} \geq \alpha$ then fail to reject H_0
If $P\text{-value} < \alpha$ then reject H_0
- Proper sample size selection is important for the effectiveness of the tests: **Stat\Power and Sample Size\...**

Zone 3: Variable Data – Non-normal Distribution

