

<p>Inference 9.1</p> <h1>P-Value</h1>	<p>Inference 9.1</p> <p>The probability of obtaining a result as extreme as this one if H_0 is true.</p>	<p>Inference 9.2</p> <h1>Type I Error</h1>	<p>Inference 9.2</p> <p>Rejecting H_0 when it is true.</p>
<p>Inference 9.3</p> <h1>Power</h1>	<p>Inference 9.3</p> <p>Power = $1 - \beta$...it is the probability of correctly rejecting H_0 when its false.</p>	<p>Inference 9.4</p> <h1>Type II Error</h1>	<p>Inference 9.4</p> <p>Failing to Reject H_0 when it's false</p>
<p>Inference 9.5</p> <h1>α and β</h1>	<p>Inference 9.5</p> <p>Prob of type I error = α Prob of type II error = β</p>	<p>Inference 9.6</p> <h1>Ways to increase power</h1>	<p>Inference 9.6</p> <ul style="list-style-type: none"> *Increase sample size *Increase alpha level
<p>Inference 9.7</p> <h1>H_0</h1>	<p>Inference 9.7</p> <p>Null Hypothesis</p>	<p>Inference 9.8</p> <h1>H_a</h1>	<p>Inference 9.8</p> <p>Alternative Hypothesis</p>

<p>Inference 9.9</p> <p>Hypothesis Test Acronym</p>	<p>Inference 9.9</p> <p>HAN SOLO</p>	<p>Inference 9.10</p> <p>What do each of the letters of Han Solo mean?</p>	<p>Inference 9.10</p> <p>H: hypotheses A:assumptions/conditions N:name the test S: stats from calc O:obtain the p-value L: low enough to reject Ho? O:outcome in context</p>
<p>Inference 9.11</p> <p>Z Test Formula</p>	<p>Inference 9.11</p> $z = \frac{\bar{x} - \mu}{\frac{\sigma}{\sqrt{n}}}$	<p>Inference</p>	<p>Inference</p>
<p>Inference 9.1</p> <p>T Test Formula</p>	<p>Inference 9.1</p> $t = \frac{\bar{x} - \mu}{\frac{s}{\sqrt{n}}}$	<p>Inference 9.2</p> <p>1 - Proportion Z Test Formula</p>	<p>Inference 9.2</p> $z = \frac{\hat{p} - p}{\sqrt{\frac{p(1-p)}{n}}}$
<p>Inference</p>	<p>Inference</p>	<p>Inference</p>	<p>Inference</p>