	Mathematical Inference	Visual Inference
Hypothesis	$H_0: \mu_1 = \mu_2 \text{ vs } H_a: \mu_1 \neq \mu_2$	$H_0: \mu_1 = \mu_2 \text{ vs } H_a: \mu_1 \neq \mu_2$
Test Statistic	$T(y) = \frac{\bar{y}_1 - \bar{y}_2}{s\sqrt{\frac{1}{n_1} + \frac{1}{n_2}}}$	$T(y) = \sum_{\substack{\text{Site A} \\ \text{Site B}}}^{200} \sum_{\substack{\text{Site B} \\ \text{Site B}}}^{200} \sum_{\substack{\text{Site B} \\ \text{Site B}}}^{\text{Site B}}$
Sampling Distribution	$f_{T(y)}(t);$	$f_{T(y)}(t);$ g_{0}
	\downarrow	\downarrow
Reject H_0 if	observed T is extreme	observed plot is identifiable