$$M_{ij} = M + M + \sum_{i=1}^{N} \sum_{j=1}^{N} \sum_{i=1}^{N} \sum_{j=1}^{N} \sum_{j=1}^{N} \sum_{j=1}^{N} \sum_{j=1}^{N} \sum_{j=1}^{N} \sum_{i=1}^{N} \sum_{i=1}^{N} \sum_{j=1}^{N} \sum_{i=1}^{N} \sum_{i=1}^{N}$$

0 1NC00

$$F_{1} = 59 \qquad 30 \text{ Sections} \quad \text{Set } 98$$

$$G_{1} = 7 \qquad F_{2} = 0.7$$

$$(M_{1}^{2}, T) = \overline{p}_{1} = 0.7$$

$$(M_{1}^{2}, T) = \overline{p}_{2} = 0.6$$

$$(M_{1}^{2}, T) = \overline{p}_{2} = 0.6$$

$$(M_{2}^{2}, T) = 0.6$$

$$(M_{3}^{2}, T) = 0.6$$

$$(M_{3}^{2}, T) = 0.5$$

$$(M_{1}^{2}, T) = 0.6$$

$$(M_{1}^{2}, T) = 0.5$$

TEST UNICAT.

$$\begin{cases}
M_0: M_A = N_B \\
M_1: M_A > M_B
\end{cases}$$

$$\begin{cases}
M_0: M_B = M_A \\
M_1: M_B < M_A
\end{cases}$$

$$\mu_{A} = \frac{1}{N_{A}} \sum_{i=1}^{N_{B}} x_{iA} \sim N\left(\mu_{A}, \frac{\sigma_{A}^{z}}{N_{A}}\right)$$

$$\mu_{B} = \frac{1}{N_{B}} \sum_{i=1}^{N_{B}} x_{iB} \sim N\left(\mu_{B}, \frac{\sigma_{B}^{z}}{N_{B}}\right)$$

$$\hat{\mu}_{B} = \frac{1}{N_{B}} \sum_{i=1}^{N_{B}} x_{iB} \sim N \left(\mu_{B}, \frac{c_{A}^{2}}{N_{B}} \right)$$

$$\hat{\mu}_{A} - \hat{\mu}_{B} \sim N \left(\mu_{A} - \mu_{B}, \frac{c_{A}^{2}}{N_{B}} + \frac{c_{A}^{2}}{N_{B}} \right)$$

$$\hat{\mu}_{A} - \hat{\mu}_{B} \sim \mathcal{N}\left(\mu_{A} - \mu_{B}\right) \frac{\sigma_{A}^{2}}{n_{B}} + \frac{\sigma_{B}^{2}}{n_{B}}$$

$$\frac{(\hat{\mu}_{A} - \hat{\mu}_{B}) - (\mu_{A} - \mu_{B})}{(\hat{\mu}_{A} - \hat{\mu}_{B})} \sim \mathcal{N}(0, 1)$$

$$\sqrt{\frac{G_A^2}{n_A}} + \frac{G_B^2}{n_B}$$
Sotto $\mu_A = \mu_D$ $\rightarrow \mu_A - \mu_B = 0$
Sotto H_0

$$\frac{\hat{\mu}_A - \mu_B}{\sqrt{G_{NA}^2 + \frac{G_B^2}{n_D}}} \sim \mathcal{N}(0, 1)$$

$$\frac{A - NB}{A + \frac{C_B^2}{NB}} \sim N(0, 1)$$

$$C: ORDGENETTA$$

Ipotes: Li ONOGENETTA
$$G_{A}^{2} = G_{B}^{2} = G^{2}$$
Ipotes: Li ETEROGENEITA

so tto

Proton di ETEROGENEITH
$$\begin{aligned}
\sigma_{A}^{2} \neq \sigma_{B}^{2} \\
\psi_{0} : \sigma_{A}^{2} = \sigma_{0}^{2} \\
\psi_{1} : \sigma_{A}^{2} \neq \sigma_{B}^{2}
\end{aligned}$$