## Assignment 2

$$z = \frac{\bar{x} - H}{\sigma \bar{x}} = \frac{|535 - H|}{96/\sqrt{30}}, \frac{35}{96/\sqrt{50}} = 6.3645833$$

$$z > 0.3645833$$

$$= 2.577993$$

region fact acceptance of Null nypotheses:

nence, at 50,0 significance the modified process in greages the

$$\left\{
 \begin{array}{ccc}
 & \sum_{i=1}^{2} (x_i) \\
 & \sum_{i=1}^{2} (x_i)
 \end{array}
 \right\}
 \left\{
 \begin{array}{ccc}
 & \alpha_0 \\
 & \alpha_2
 \end{array}
 \right\}
 =
 \left\{
 \begin{array}{ccc}
 & \alpha_1 \\
 & \alpha_2
 \end{array}
 \right\}
 \left\{
 \begin{array}{ccc}
 & \alpha_2 \\
 & \alpha_2
 \end{array}
 \right\}$$

$$\begin{bmatrix}
 20 & 1023-0599 \\
 10230599 & 64071.90056
 \end{bmatrix}
 \begin{bmatrix}
 q_0 \\
 q_1
 \end{bmatrix}
 =
 \begin{bmatrix}
 190 \\
 q_1
 \end{bmatrix}
 =
 \begin{bmatrix}
 12494.87904
 \end{bmatrix}$$

$$q_0 = -2.593307392$$
  
 $q_1 = 0.2364532019$ 

$$g^{2} = 1 - \frac{\sum_{i}^{2}(y_{i} - \beta_{i})^{2}}{\sum_{i}^{2}(y_{i} - \beta_{i})^{2}} = 0.950110619$$

We solvable to a process of the pr

$$B_{g} = \frac{(\xi x)(\xi y) - n(\xi xy)}{(\xi x)^{2} - n(\xi x^{2})}$$

$$nB_{o} = \frac{\xi y - \xi x B_{g}}{2}$$

$$= \frac{10 - (\xi x)^{2}(\xi y)^{2} + n \xi(xy) \cdot \xi y x}{(\xi x)^{2} - n(\xi x^{2})}$$

$$= -(\xi x)^{2}(\xi y) + \frac{n \xi(xy) \cdot \xi x}{(\xi x)^{2} - n(\xi x^{2})}$$

$$= -(\xi x)^{2}(\xi y) + \frac{n \xi(xy) \cdot \xi x}{(\xi x)^{2} - n(\xi x^{2})}$$

$$= \frac{(\xi x)^{2} - n(\xi x^{2})}{(\xi x)^{2} - n(\xi x^{2})}$$

$$= n \xi xy - \xi x - n \xi x^2 - \xi y$$

$$(\xi x)^2 - n(\xi x^2)$$

TO -- Reference of Allert Allert Commence

$$z_{\beta} = \frac{\sum x_{\beta} - \sum x_{\beta}^2 - \sum y_{\beta}}{(\sum x_{\beta})^2 - n(\sum x_{\beta}^2) - n(\sum x_{\beta}^2)}$$