Cargmin
$$0_{0}, 0, 1 \times i, y_{i} \geq (y_{i} - (\theta_{0} + \theta_{4} \times i))^{2}$$

$$\frac{\partial}{\partial \theta_0} = \frac{\partial}{\partial \theta_0} \stackrel{?}{\geq} (y_1 - (\theta_0 + \theta_1 x_1))^2$$

$$\frac{2}{200} = -2 \sum_{i=1}^{n} (y_i - (\theta_0 + \theta_i) \times i)$$

$$\sum_{i=1}^{n} (y_i - \theta_0 + \theta_1 \times i) = 0$$

$$\sum_{i=1}^{n} y_i = n \theta_0 + \theta_2 \sum_{i=1}^{n} x_i$$

$$\sum_{i \in I} x_i \left(y_i - \left(\Theta_o + \Theta_1 x_1 \right) \right) = 0$$

$$\sum_{i=1}^{n} x_i y_i = \Theta_0 \sum_{i=1}^{n} x_i + \Theta_1 \sum_{i=1}^{n} x_i^2;$$

$$\Sigma X = 210$$
 $\Sigma Y = 485.53$
 $\bar{X} = 16.5$ $\bar{Y} = 24.29$

$$E(x, -\bar{x})(y, -\bar{y}) = 1170.081$$

 $E(x, -\bar{x})^2 = 655.0$

Q = 24.27 - (1.78) (10.5) = 5.52

$$\frac{9}{5} = \frac{\sum (x_1 - \overline{x})(y_1 - \overline{y})}{\sum (x_1 - \overline{x})^2} \\
= 1.786$$

$$y = 5.52 + 1.986 \times$$

 $\bar{y} = \underline{1} \sum_{i=a}^{n} y_i$