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1. Find po, p1: = = 1 (y, - Bo - P12;)

To find for for ne'll Minimise the function for In other words, ne'll read to evaluate the following pertical derivatives and set them to zero:

a) is equivalent to.

$$\frac{\sum \dot{y_1} - n\beta_0 - \beta_1 \sum z_1 = 0}{9 - \beta_0 - \beta_1 \sum z_1 = 0}$$

$$\Rightarrow \frac{\dot{y_1} - \beta_0 - \beta_1 \sum z_1 = 0}{\beta_0 - \beta_1 \sum z_1 = 0}$$

$$\Rightarrow \frac{\dot{y_1} - \beta_0 - \beta_1 \sum z_1 = 0}{\beta_0 - \beta_1 \sum z_1 = 0}$$

$$\Rightarrow \frac{\dot{y_1} - \dot{y_2} - \dot{y_1} \sum z_1 = 0}{\beta_0 - \beta_1 \sum z_1 = 0}$$

$$\Rightarrow \frac{\dot{y_1} - \dot{y_2} - \dot{y_2} \sum z_1 = 0}{\beta_0 - \beta_1 \sum z_1 = 0}$$

$$\Rightarrow \frac{\dot{y_1} - \dot{y_2} - \dot{y_2} \sum z_1 = 0}{\beta_0 - \beta_1 \sum z_1 = 0}$$

$$\Rightarrow \frac{\dot{y_1} - \dot{y_2} - \dot{y_2} \sum z_1 = 0}{\beta_0 - \beta_1 \sum z_1 = 0}$$

$$\Rightarrow \frac{\dot{y_1} - \dot{y_2} - \dot{y_2} \sum z_1 = 0}{\beta_0 - \beta_1 \sum z_1 = 0}$$

(2) con be sopended as:

Replace $\beta_0 = \frac{1}{3} - \beta_4 \frac{1}{2}$ into the above egn, it becomes:

(divided by
$$(\overline{z^2-1},\overline{z},\overline{z})$$
 and multipilied by $(\overline{z^2-1},\overline{z},\overline{z})$ and multipilied by $(\overline{z^2-1},\overline{z},\overline{z})$ by $(\overline{z},\overline{z})$.

