Min. Sarple view
$$\frac{\delta^2 Z_{Az}^2}{m^2}$$

Through of error

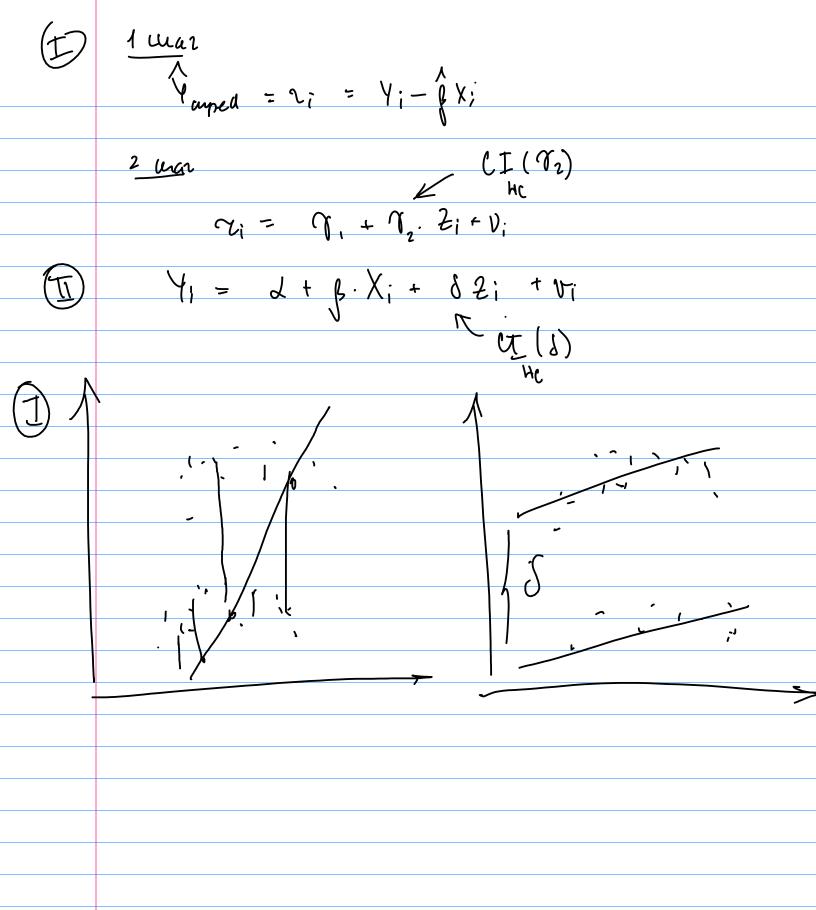
$$\frac{\hat{p}(1-\hat{p})z^2}{m^2}$$
1) Stratification

Let by region

Yether = Z by Y_h
 $\pm (\hat{Y}$ start) = Z p_h $\pm (Y_h) = Z$ p_h p_h p_h

within \Rightarrow $Var(\hat{Y}$ start) = Z p_h^2 $Var(\hat{Y}_h) = Z$

$$= \frac{1}{n} Z$$
 p_h $\frac{\delta^2 h}{N_h} = \frac{N_h}{N_h} \frac{\delta^2 h}{N_h} = \frac{1}{n}$
 $Var(\hat{Y}) = \frac{\delta^2 h}{n} Z_h$
 $Var(\hat{Y}) = \frac{\delta^2 h}{n} Z_h$



Control is discrete

Street =
$$WY_1 + (1 - W)Y_0$$

 $Y = Y - \hat{Q}X + \hat{P}W =$
 $\hat{Q} = \frac{cov(X_1U_1)}{Van(X_1)} = Y_1 - Y_0$

$$= (1-x) Y_0 + (y_1-y_0) x + (y_1-y_0) w =$$

$$= (1-x) Y_0 + y_0 x + (y_1-y_0) w =$$

$$= w Y_1 + (1-w) Y_0 = Y_{creat}$$