$$\frac{\hat{y}_{1}}{\hat{\beta}_{2}} = \frac{\hat{\beta}_{1}}{\hat{\beta}_{2}} + \frac{\hat{\beta}_{2}}{\hat{\beta}_{2}} = \frac{\hat{y}_{1} - \hat{y}_{0}}{\hat{y}_{0}}$$

$$\frac{\hat{\beta}_{1}}{\hat{\beta}_{2}} = \frac{\hat{\beta}_{1}}{\hat{y}_{0}} + \frac{\hat{\beta}_{2}}{\hat{y}_{0}} = \frac{\hat{y}_{1} - \hat{y}_{0}}{\hat{y}_{0}}$$

$$\frac{\hat{\beta}_{2}}{\hat{y}_{0}} = \frac{\hat{\beta}_{1}}{\hat{y}_{0}} + \frac{\hat{\beta}_{2}}{\hat{y}_{0}} + \frac{\hat{y}_{1}}{\hat{y}_{0}}$$

$$\frac{\hat{\beta}_{2}}{\hat{y}_{0}} = \frac{\hat{y}_{1} + \hat{y}_{1}}{\hat{y}_{0}} + \frac{\hat{y}_{1}}{\hat{y}_{0}}$$

$$\frac{\hat{\beta}_{2}}{\hat{y}_{0}} = \frac{\hat{y}_{1} + \hat{y}_{1}}{\hat{y}_{1}}$$

$$\frac{\hat{\beta}_{2}}{\hat{y}_{0}} = \frac{\hat{y}_{1} + \hat{y}_{1}}{\hat{y}_{1}}$$

$$\frac{\hat{\beta}_{2}}{\hat{y}_{1}} = \frac{\hat{y}_{1} + \hat{y}_{1}}{\hat{y}_{1}}$$

$$\frac{\hat{\beta}_{2}}{\hat{y}_{2}} = \frac{\hat{y}_{1} + \hat{y}_{2}}{\hat{y}_{1}}$$

$$\frac{\hat{\beta}_{2}}{\hat{y}_{1}} = \frac{\hat{y}_{1} + \hat{y}_{2}}{\hat{y}_{2}}$$

$$\frac{\hat{\beta}_{2}}{\hat{y}_{1}} = \frac{\hat{y}_{1} + \hat{y}_{2}}{\hat{y}_{2}}$$

$$\frac{\hat{\beta}_{2}}{\hat{y}_{1}} = \frac{\hat{y}_{1} + \hat{y}_{2}}{\hat{y}_{2}}$$

$$\frac{\hat{\beta}_{2}}{\hat{y}_{2}} = \frac{\hat{y}_{1} + \hat{y}_{2}}{\hat{y}_{2}}$$

$$\frac{\hat{\beta}_{2}}{\hat{y}_{1}} = \frac{\hat{y}_{1} + \hat{y}_{2}}{\hat{y}_{2}}$$

$$\frac{\hat{\beta}_{2}}{\hat{y}_{2}} = \frac{\hat{y}_{1} + \hat{y}_{2}}{\hat{y}_{2}}$$

$$= \frac{\sum_{p:=y}^{y}}{h_i} - \frac{\sum_{j=0}^{y}}{h_j} = \frac{y}{y} - \frac{y}{y}$$

$$\beta_1 = \overline{y} - \beta_2 \cdot \overline{D} = \underbrace{D_{i=0}}_{h} + \underbrace{D_{i=1}}_{h} + (\overline{y}_1 - \overline{y}_0) \cdot \frac{h_1}{h} =$$

$$=\frac{1}{h}\cdot\left(1+\frac{h_1}{h_0}\right), \quad \exists y_1 = \underbrace{5y_1}_{b_1=0} = \underbrace{y_2}_{b_2=0}$$

$$\mathcal{E}_{X.2} \quad V_{0}(\hat{\beta}_{z}) = \frac{\delta^{2}}{\Sigma(\hat{p}_{i}-\hat{D})^{2}} = \frac{\delta^{2}}{\Sigma(\hat{p}_{i}-\lambda)^{2}} = \frac{\delta^{2}}{N}$$

$$= \frac{6^{2}}{h(1-d)^{2} + ho \cdot d^{2}} = \frac{6^{2}}{h d(1-d)^{2} + h(1-d) d^{2}} =$$

DID  p.v. for treatment group  p.v. for time (t=1)  p.v. for time (t=1)  Yit = for fix; r fz. zi + fz. xi. z; + zil
Yit = Bo + Br Xi - B2 . Zi + B2 . Xi . Z; + ZH
(DID)
1 4 = 180 + 8. X: + E:+
U

Yill - treatment group

E ( y:(1)- 4:(0))

You - control group

1) Simple making

2 Newest Nuyhban montahing

A; = h j | hin | 11 x; - x; 11 y

(3) Propensity Score matering