

Pair Boots trap: y= = 1 + B221 + &i Ei ~ Norm (o, o²) (x_i, y_i) 1) Resumples induces 41, Ny resamples With replacement $\frac{\wedge}{2}$ $\frac{\wedge}{2}$ $\frac{1}{2}$ $\frac{-1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ Fixed X-bootstrap & Assumption (Bootstrap: Lesidnals) P(G) = 1/N $y_i = \sqrt{(x, \beta_{ols})} = \sum_{i=1}^{N} e_i = y_i - y_i$ $y_i = \sqrt{(x, \beta_{ols})} = \sum_{i=1}^{N} e_i = y_i - y_i$ Sub-samples: $y_i = \sqrt{(x, \beta_{ols})} + \sum_{i=1}^{N} (w_i - y_i)$ $y_i = \sqrt{(x, \beta_{ols})} + \sum_{i=1}^{N} (w_i - y_i)$ penametric bootstem version ξ, ~ N(0, 6²)

Wild Bootstrap (Wu - Bootstrap)

1)
$$\hat{y}_{i} = \hat{x}(x, \hat{\beta}_{ols}) = \sum_{i=1}^{n} \frac{1}{2} \frac{1$$