## Heterscedasticity Port I

WLS. 
$$y_i = \alpha + \beta \cdot x_i + \epsilon_i$$
 |:  $\sqrt{k(x_i)} = x_i$   
 $\epsilon_i \sim N(0, 6^{\frac{1}{\epsilon}} \cdot x_i^2)$ 

$$\begin{cases} e = (x_i x_i)^{-1} x_i' y \\ \sqrt{\alpha_i} (x_i^2) = \delta^2(x_i x_i)^{-1} \end{cases}$$
Poblish
on MC
$$\Rightarrow \hat{Se}(\hat{\beta}) = \frac{\delta \epsilon}{\sqrt{(x_i - x_i)^2}} = \frac{1 - 2 \epsilon_i^2}{\sqrt{\alpha_i} (x_i^2)} = \delta^2(x_i x_i)^{-1}$$
Se white
$$\Rightarrow \hat{Se}(\hat{\beta}) = \sqrt{\frac{1 - 2 \epsilon_i^2}{\sqrt{x_i - x_i^2}}} = \frac{1 - 2 \epsilon_i^2}{\sqrt{\alpha_i} (x_i^2)} = \frac$$

Prellen 1.

$$F = \frac{|RSS_2| (30 - 2)}{|RSS_1| (20 - 2)} = 7,84$$
 $F = \frac{11}{11} (28,18) = 2,98$