X Equation

- 0 $\cdots\cdot$ $\hat{M} = \hat{i}_1$ —— $\hat{Y} = \hat{i}_2 + \hat{b} \cdot M$ — — $\hat{Y} = \hat{i}_3$
- 1 $\cdots\cdot$ $\hat{M} = \hat{i}_1 + \hat{a}$ —— $\hat{Y} = \hat{i}_2 + \hat{b} \cdot M + \hat{c}'$ — — $\hat{Y} = \hat{i}_3 + \hat{c}$

No deviations from normality   Including outlier

OLS

ROBMED

$\hat{c}'$ $\hat{c}$ $\widehat{ab}$ $\hat{a}$ Outlier

Y M