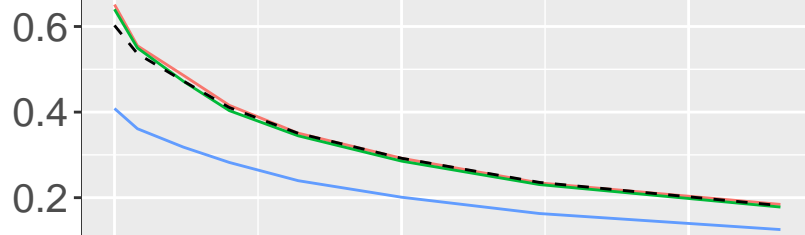


# Bootstrapping the variance of the shape estimator

Variance \* 100

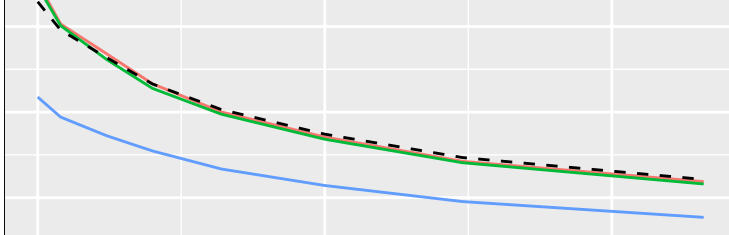
Pareto

i.i.d.

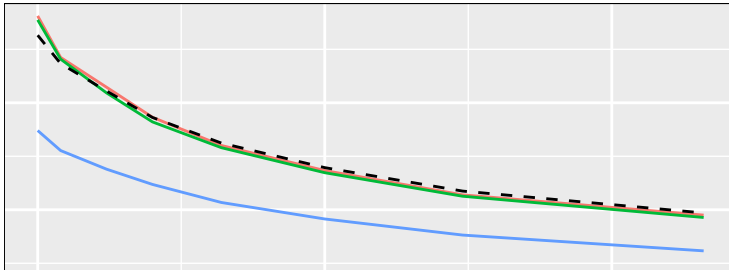
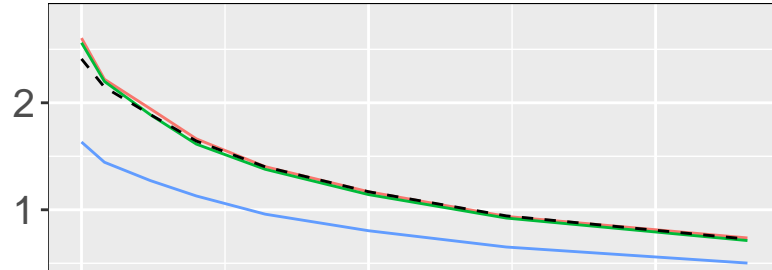


Pareto

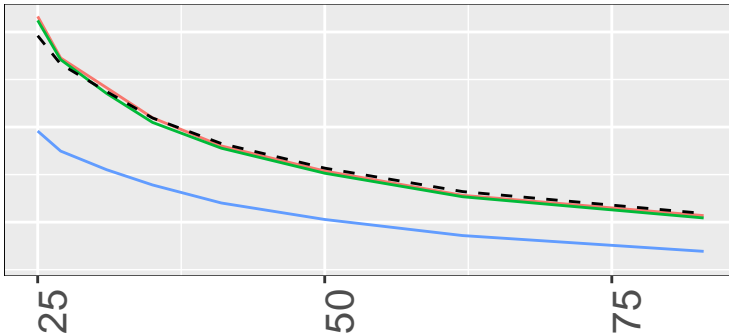
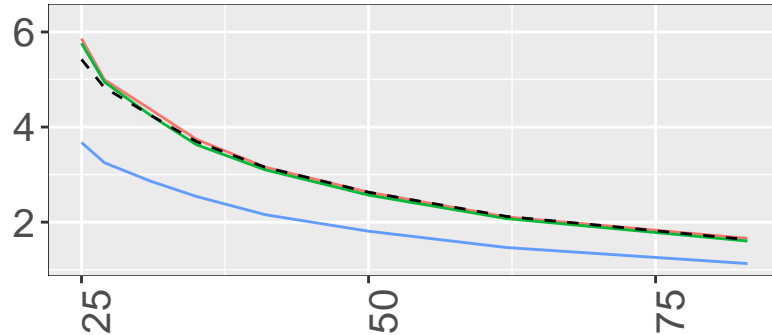
ARMAX 0.5



$\alpha_0 = 0.5$



$\alpha_0 = 1$



$\alpha_0 = 1.5$

Bootstrap

—  $cb(2)$   
—  $cb(3)$   
—  $sb$

Effective sample size  $m$