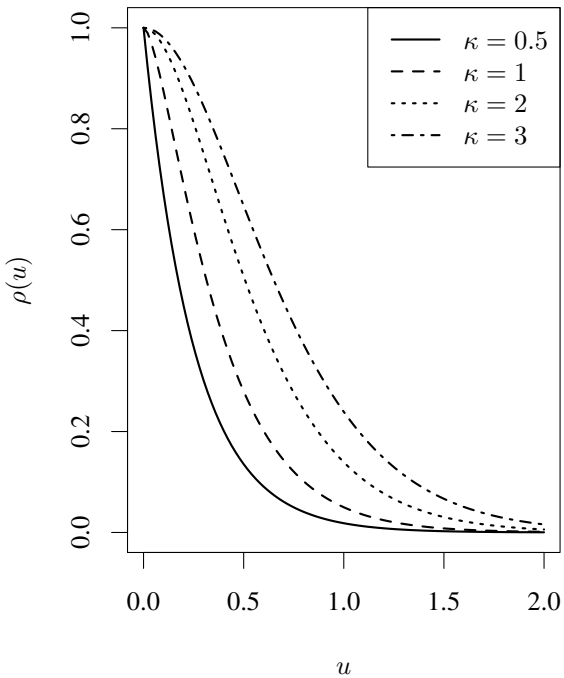


**varying  $\kappa$  and fixed  $\phi = 0.25$**



**fixed  $\kappa = 1.5$  and varying  $\phi$**

