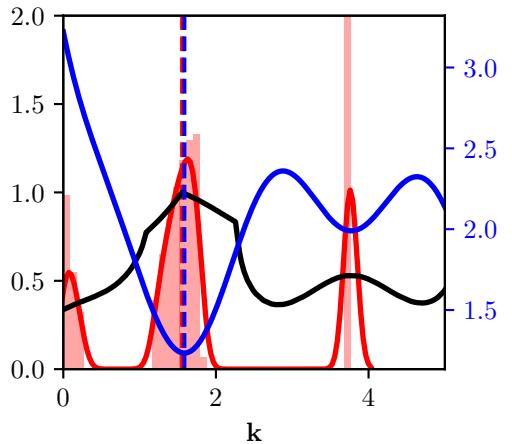
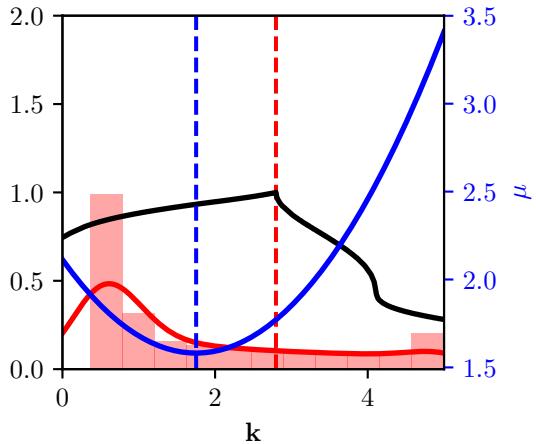


Relaxation of the constraint  
 $\check{\alpha}_1 = 1.9506$



Relaxation of the constraint  
 $\check{\alpha}_1 = 2.2197$



—  $R_{\check{\alpha}_1}(\mathbf{k})$     —  $\mu(\mathbf{k}) = \mathbb{E}_U [J(\mathbf{k}, \mathbf{U})]$     - - -  $\check{\mathbf{k}}_1$   
 —  $\text{KDE}$     —  $\check{\mathbf{k}}_{\text{mean}}$     —  $\text{Histogram}$