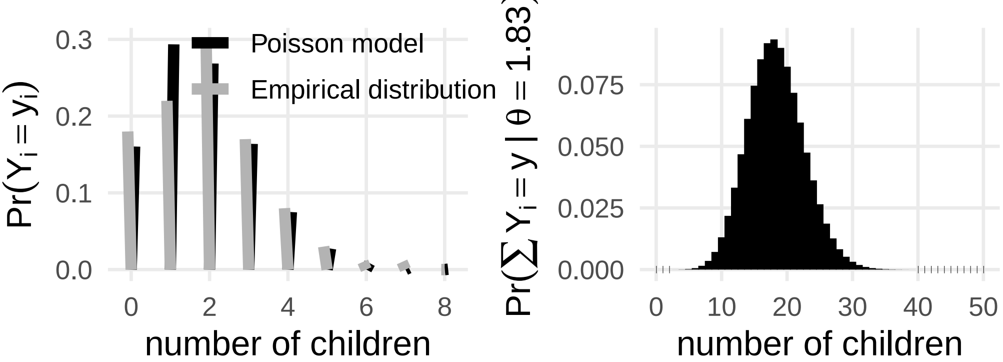
Poisson distributions and the mean−variance relationship



Left: Poisson pmf with mean . = 1.83 (black) overlaid with an empirical distribution (grey

Right: Distribution of the sum of 10 i.i.d. Poisson(1.83) variables; by additivity this is Pois

The increased spread illustrates the Poisson mean−variance relationship: larger means