Mass bias basics

In galaxy cluster analysis, the mass bias is defined as the difference between measuring a cluster's true mass M_{true} and its observed (i.e. measured) mass M_{obs}, written as $\Delta M = M_{\mathrm{obs}} - M_{\mathrm{true}}$. Sometimes this is written as a ratio: $\mathcal{C} = M_{\mathrm{true}}/M_{\mathrm{obs}} = 1 + \Delta M/M_{\mathrm{true}}$.