

voom: Mean–variance trend

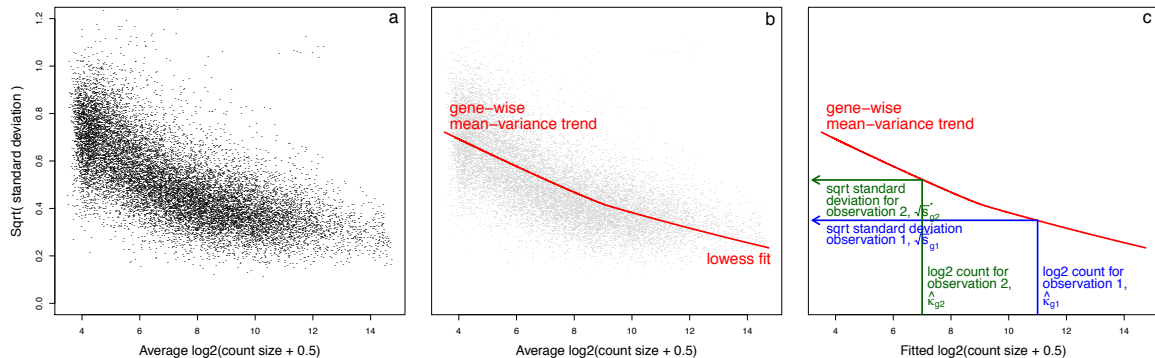


Figure 2: Voom mean-variance modelling. Panel (a), gene-wise square-root residual standard deviations are plotted against average log-count. Panel (b), a functional relationship between gene-wise means and variances is given by a robust lowess fit to the points. Panel (c), the mean-variance trend enables each observation to map to a square-root standard deviation value using its fitted value for log-count.