

Differential Expression

Statistical Models

Account for biological and technical variability

Negative Binomial

Models count data with overdispersion

Fold Change Thresholds

Typically $|\log_2\text{FC}| > 1$ for biological significance

FDR Control

False Discovery Rate < 0.05 for multiple testing

Volcano Plots

Visualize FC vs statistical significance



💡 Balance statistical significance with biological relevance