

Raw Counts

 Y

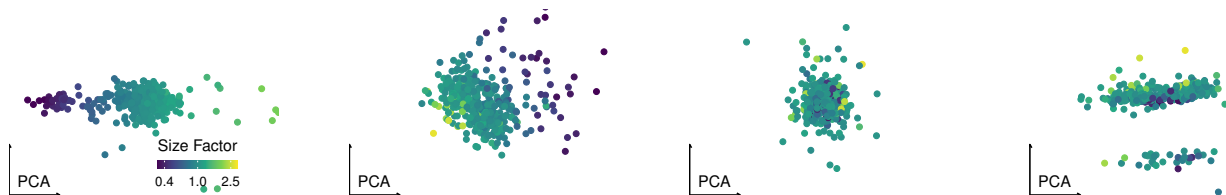
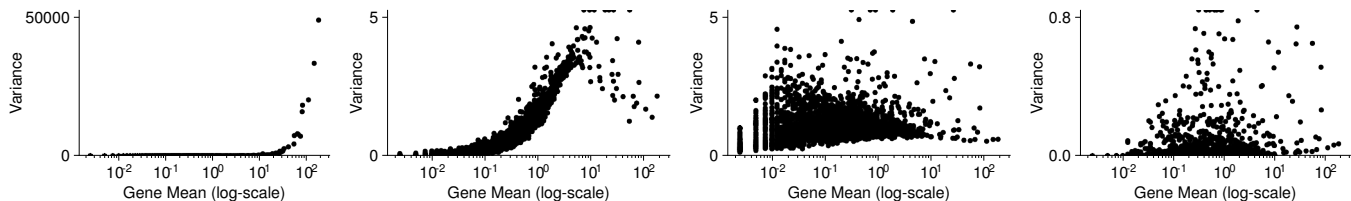
Delta Method

 $\log(Y/s + 1)$

GLM Residual

$$\frac{Y - \mu}{\sqrt{\mu + \alpha \mu^2}}$$

Latent Expression

 $Y \sim \text{Poisson}(M)$ $M \sim \text{LogNormal}(\mu, \sigma^2)$ **(A) Confounding effect of size factors on PCA embedding of droplets encapsulating a homogeneous RNA solution****(B) Mean-variance relation for 2,597 genes of the 10X hematopoietic cell dataset****(C) Distribution of a single gene (Sftpc) with a bimodal expression pattern in lung epithelium**