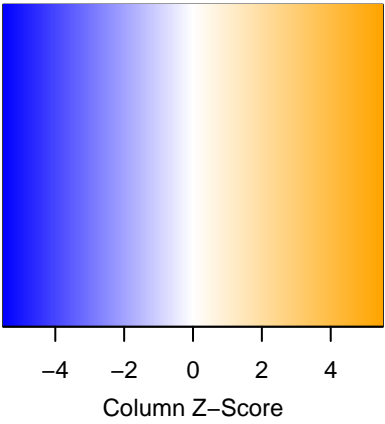Bottomly et al. Clustered rows and cols