

visualize_sim_dist

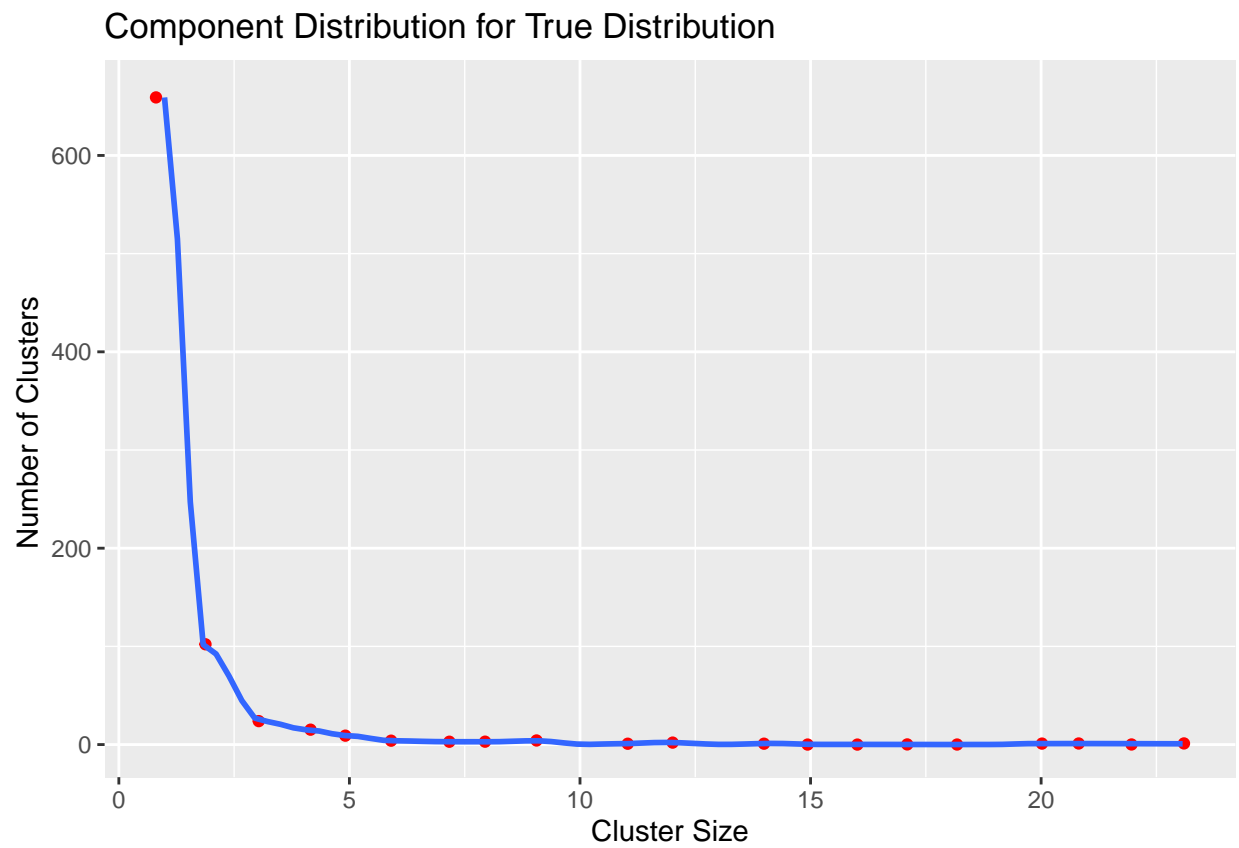
Gabrielle Lemire

3/12/2021

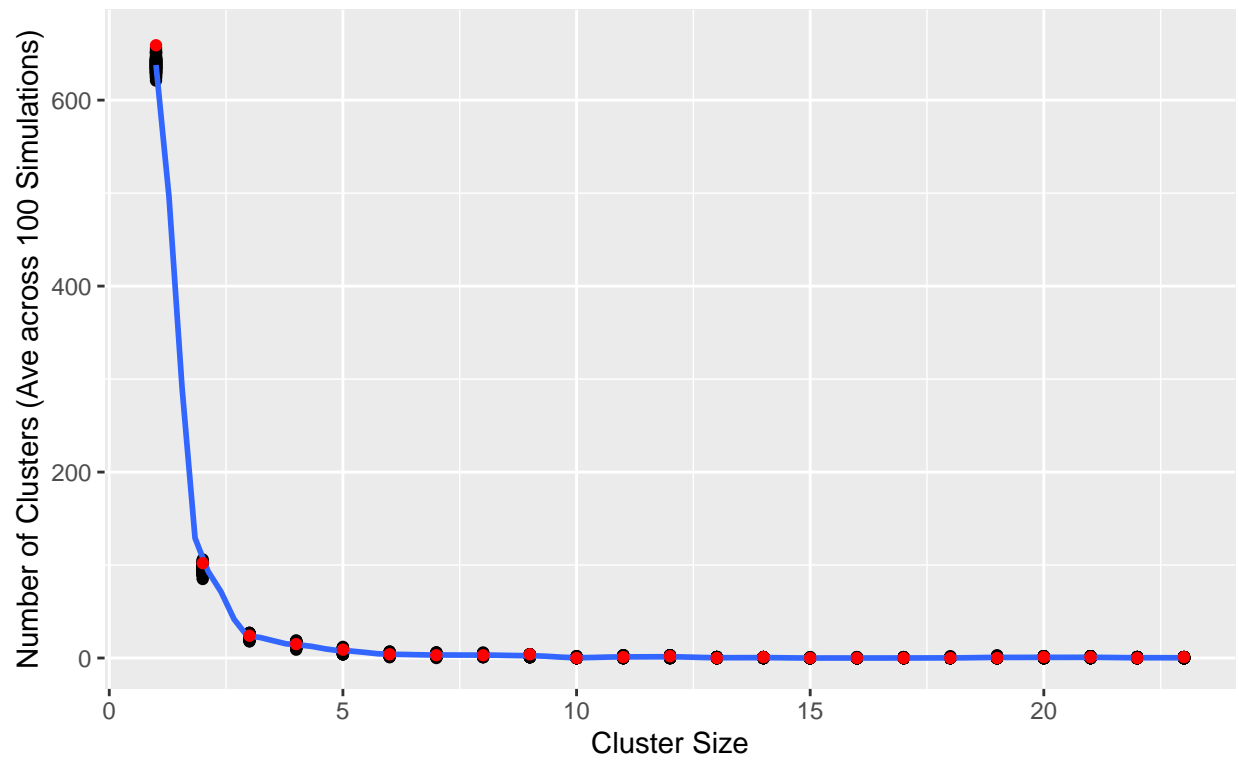
Component Distribution for Simulated Genetic Networks

1 Unstandardized Visuals for Simulated Genetic Networks

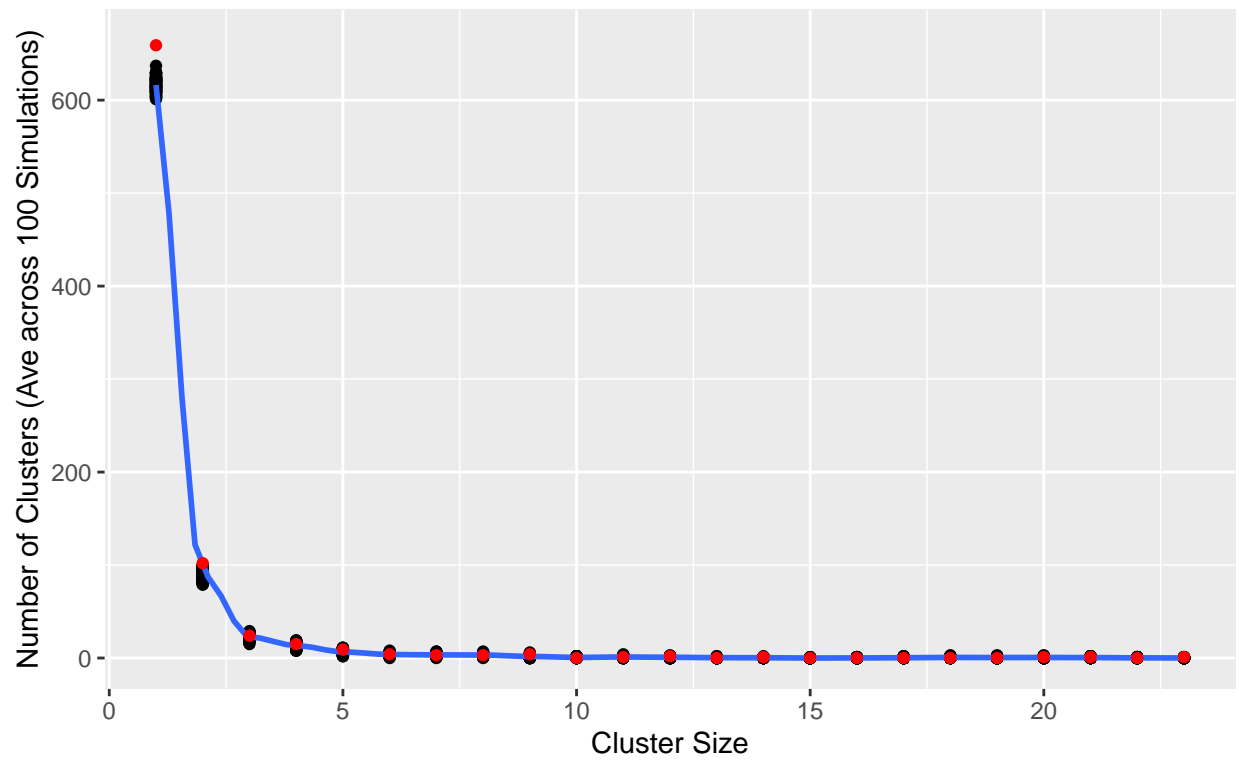
Not divided by total number of nodes



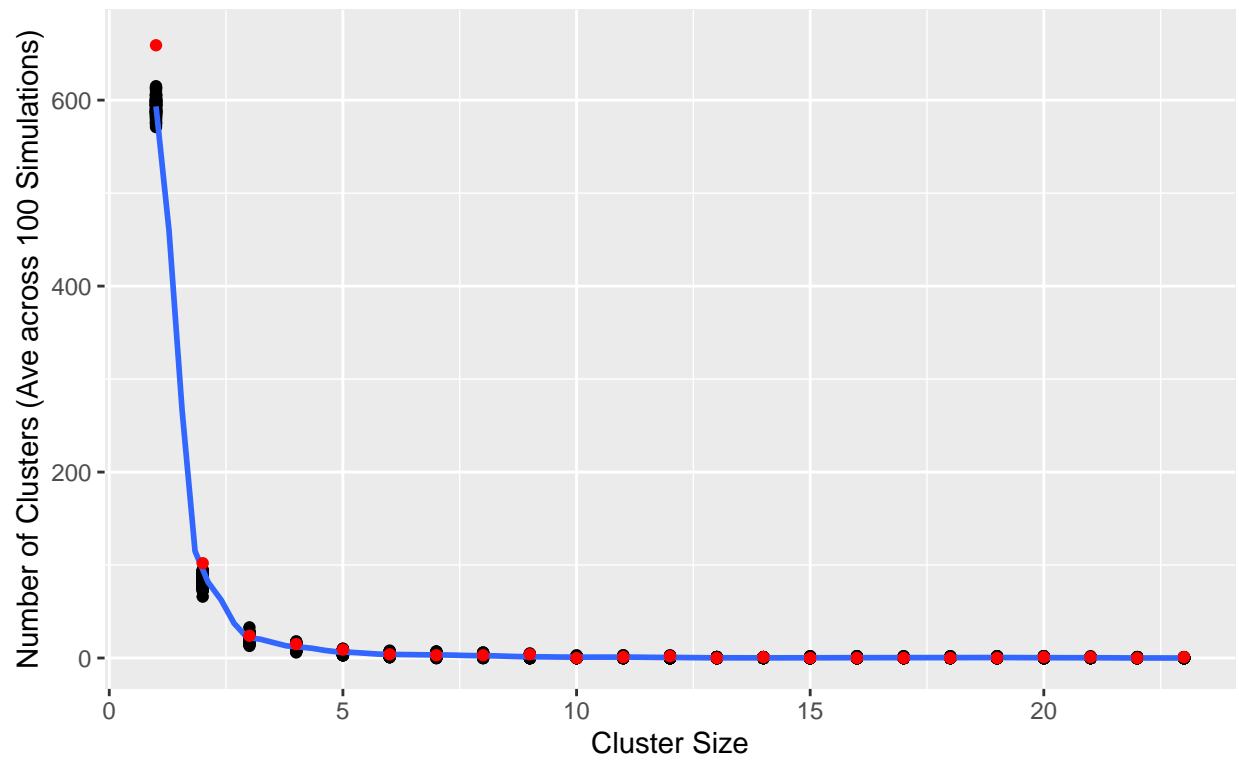
Component Distribution for Proportion 0.95
True Distribution in Red



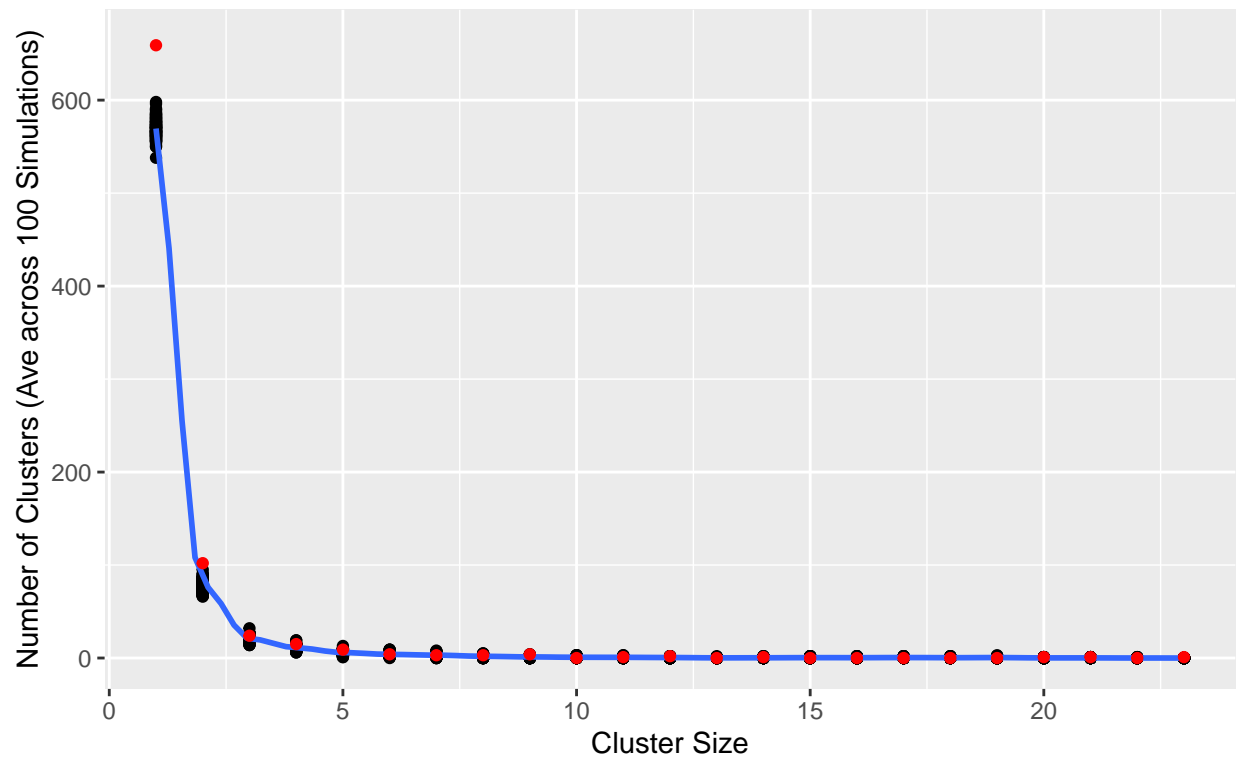
Component Distribution for Proportion 0.9
True Distribution in Red



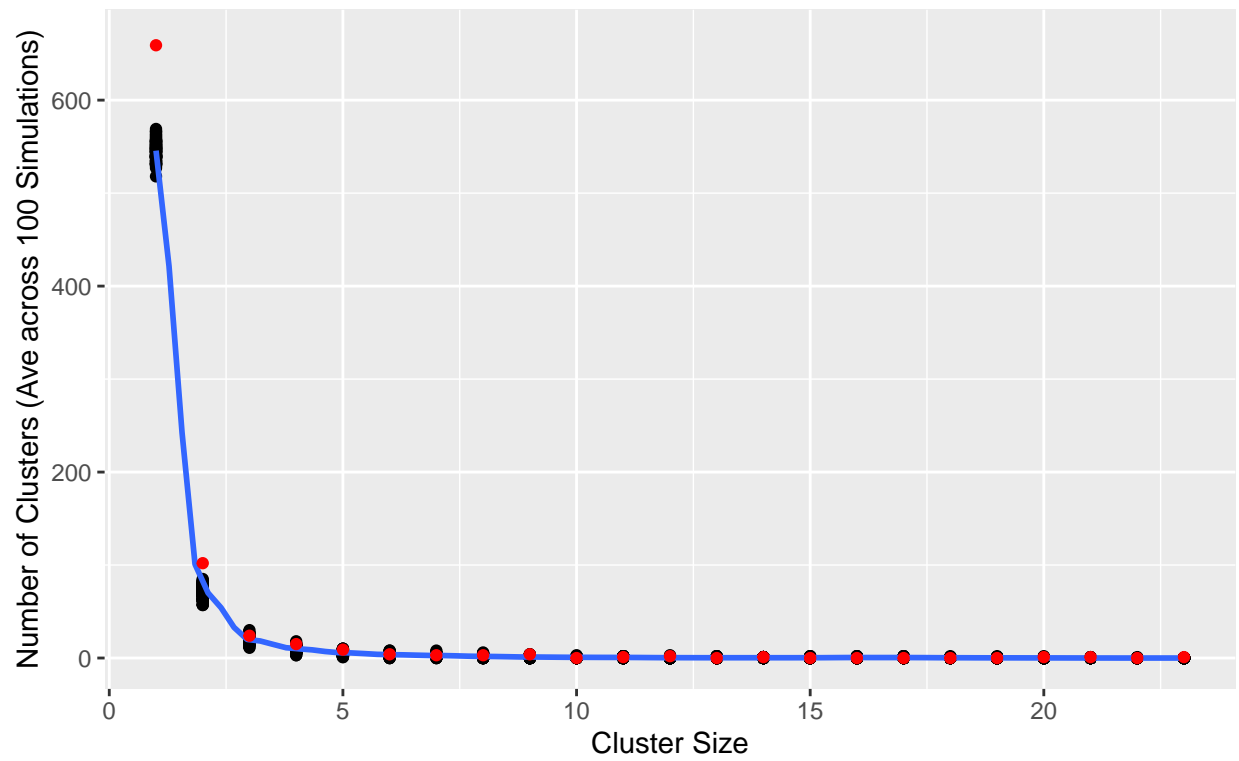
Component Distribution for Proportion 0.85
True Distribution in Red



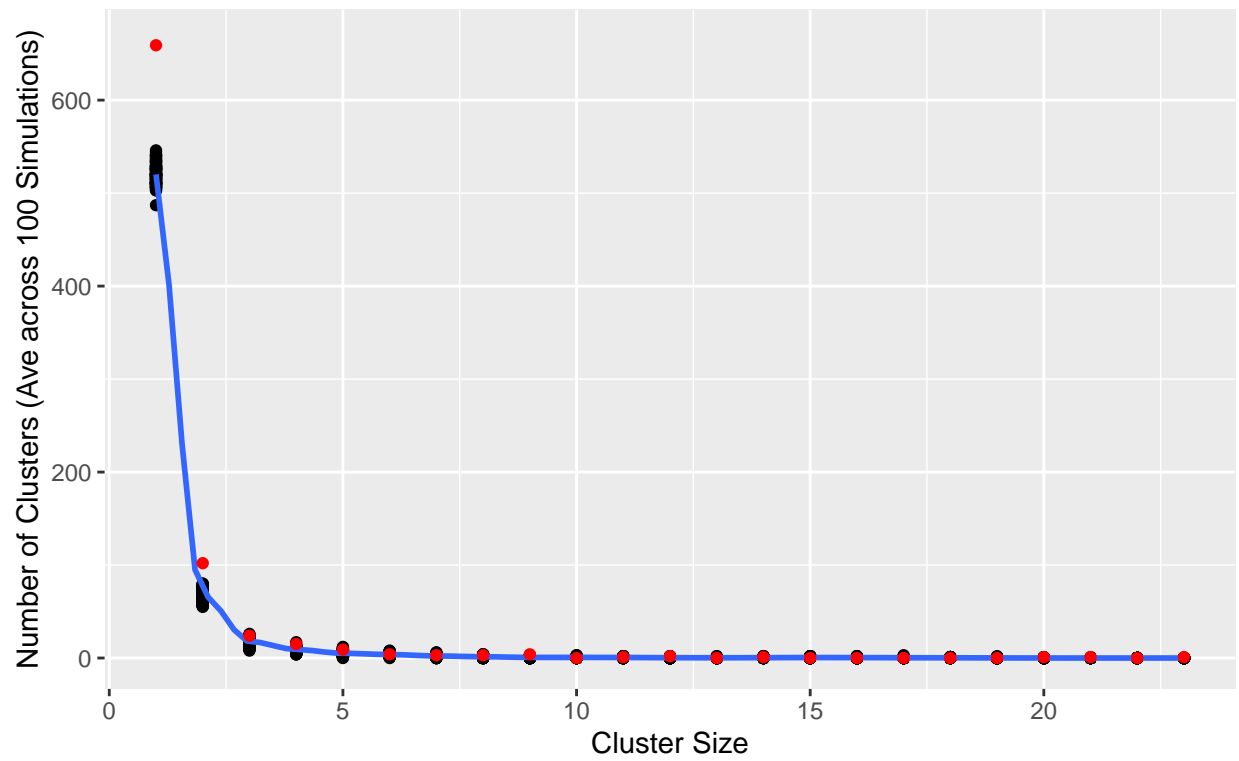
Component Distribution for Proportion 0.8
True Distribution in Red



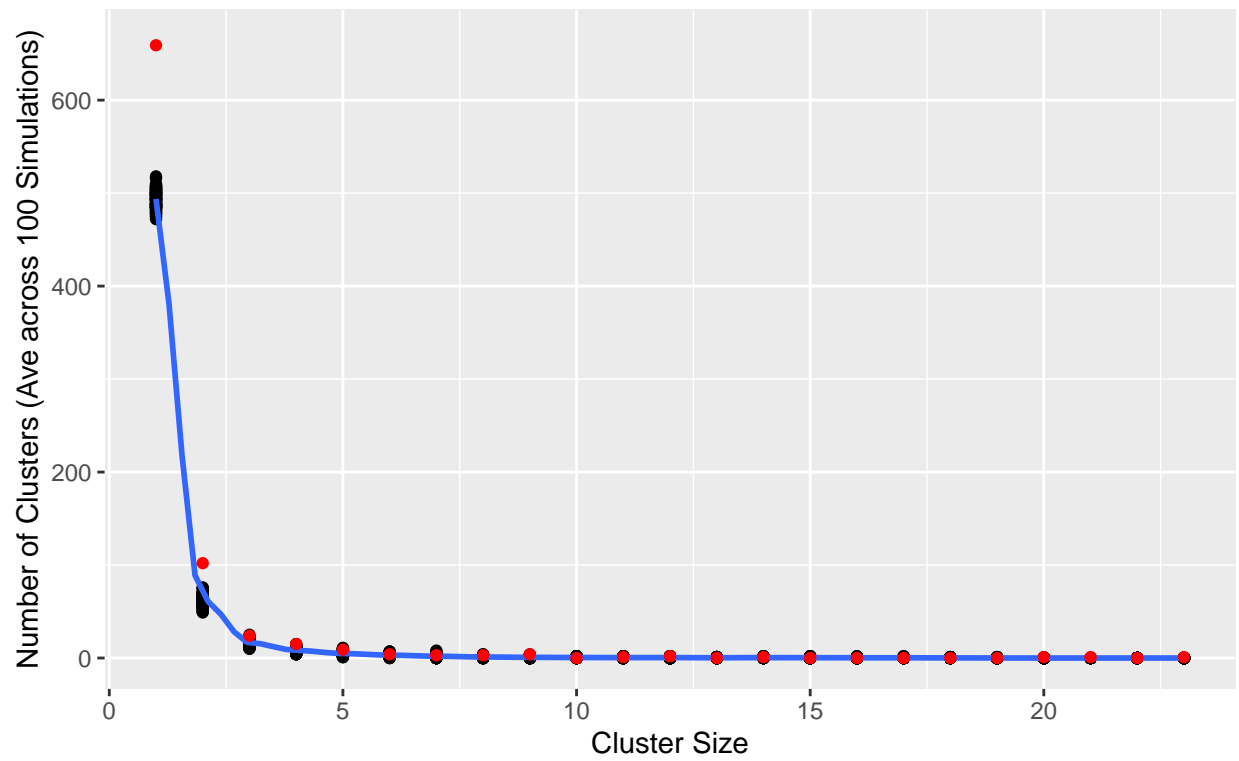
Component Distribution for Proportion 0.75
True Distribution in Red



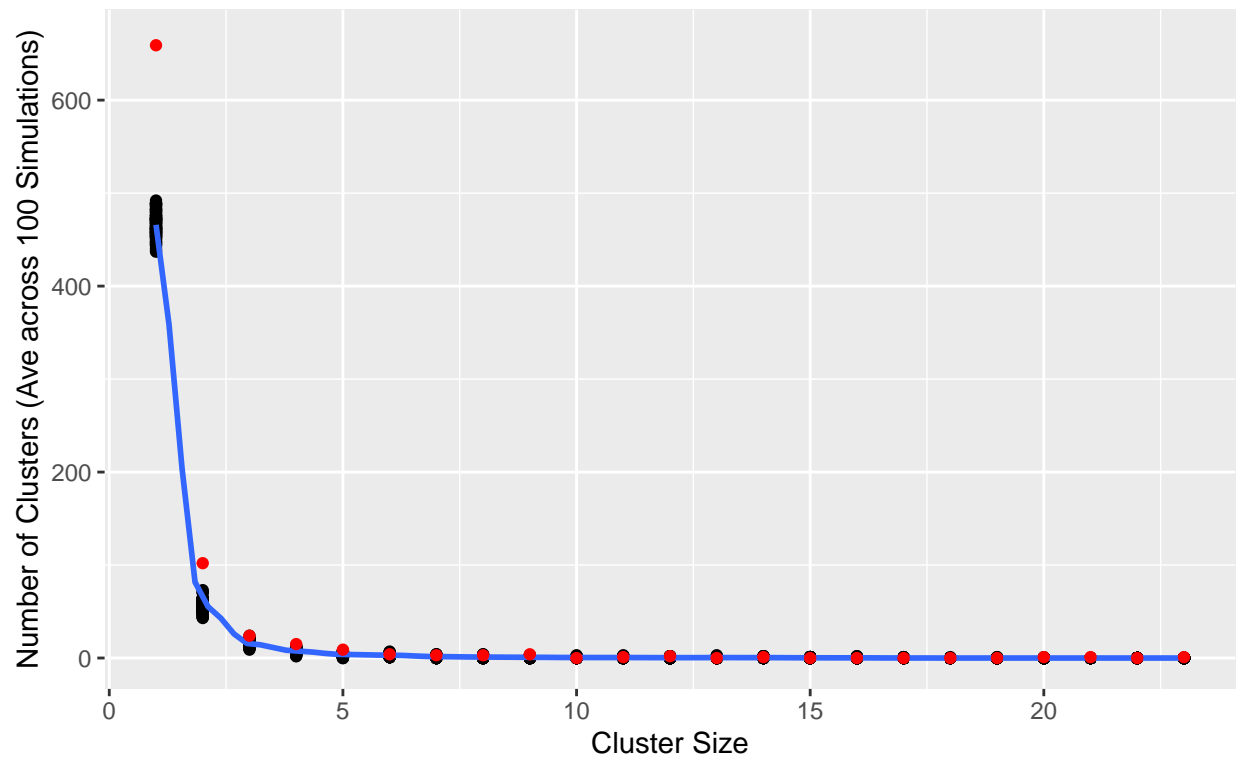
Component Distribution for Proportion 0.7
True Distribution in Red



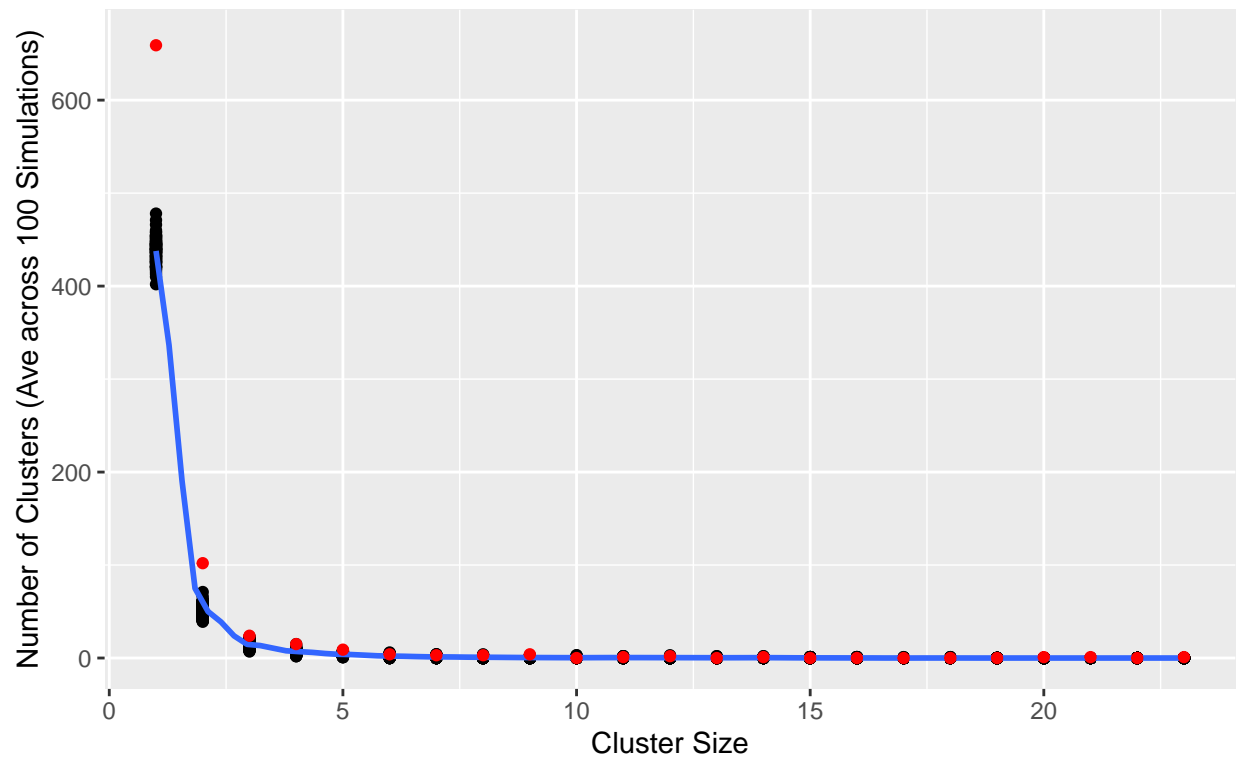
Component Distribution for Proportion 0.65
True Distribution in Red



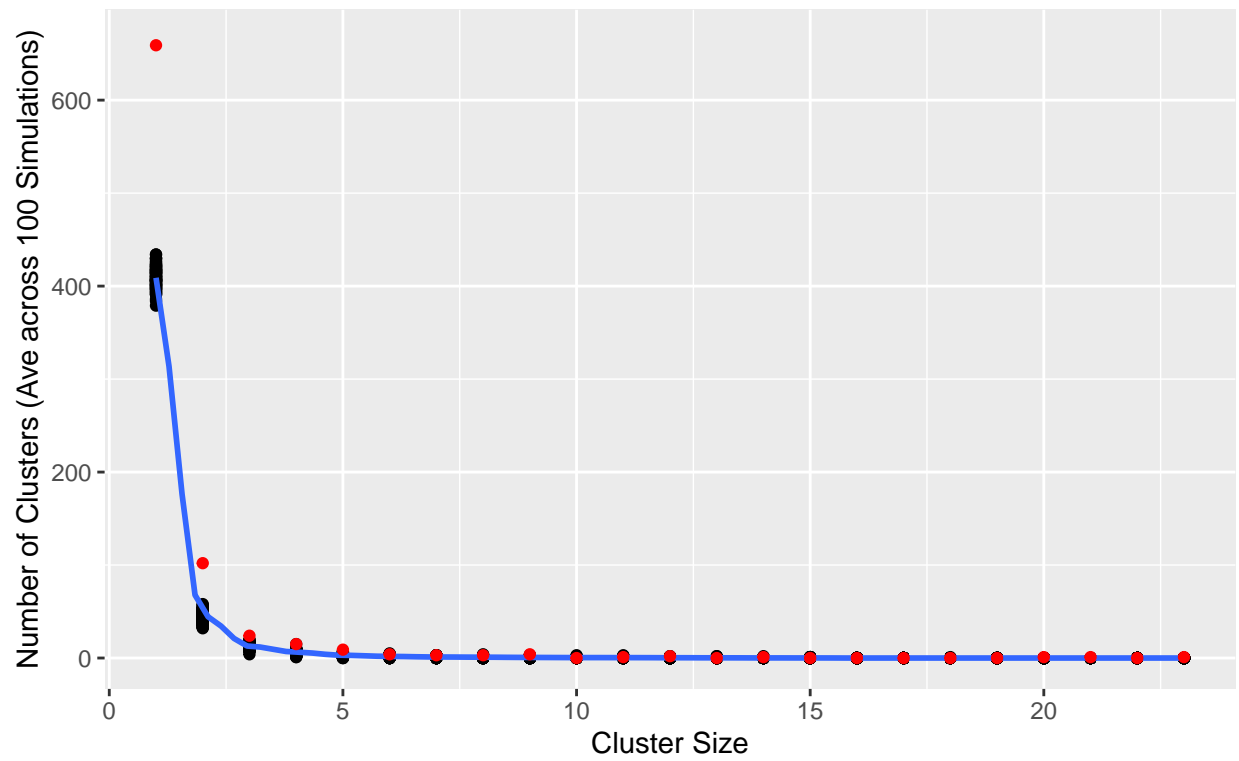
Component Distribution for Proportion 0.6
True Distribution in Red



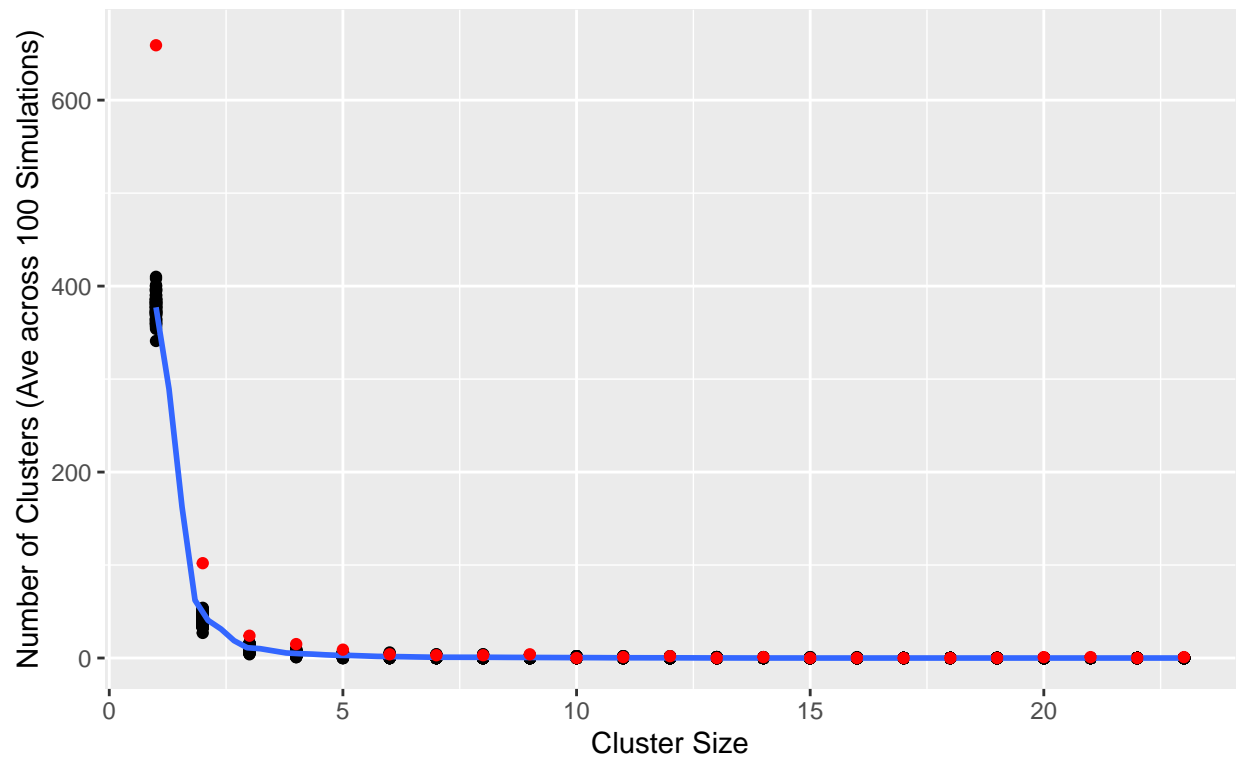
Component Distribution for Proportion 0.55
True Distribution in Red



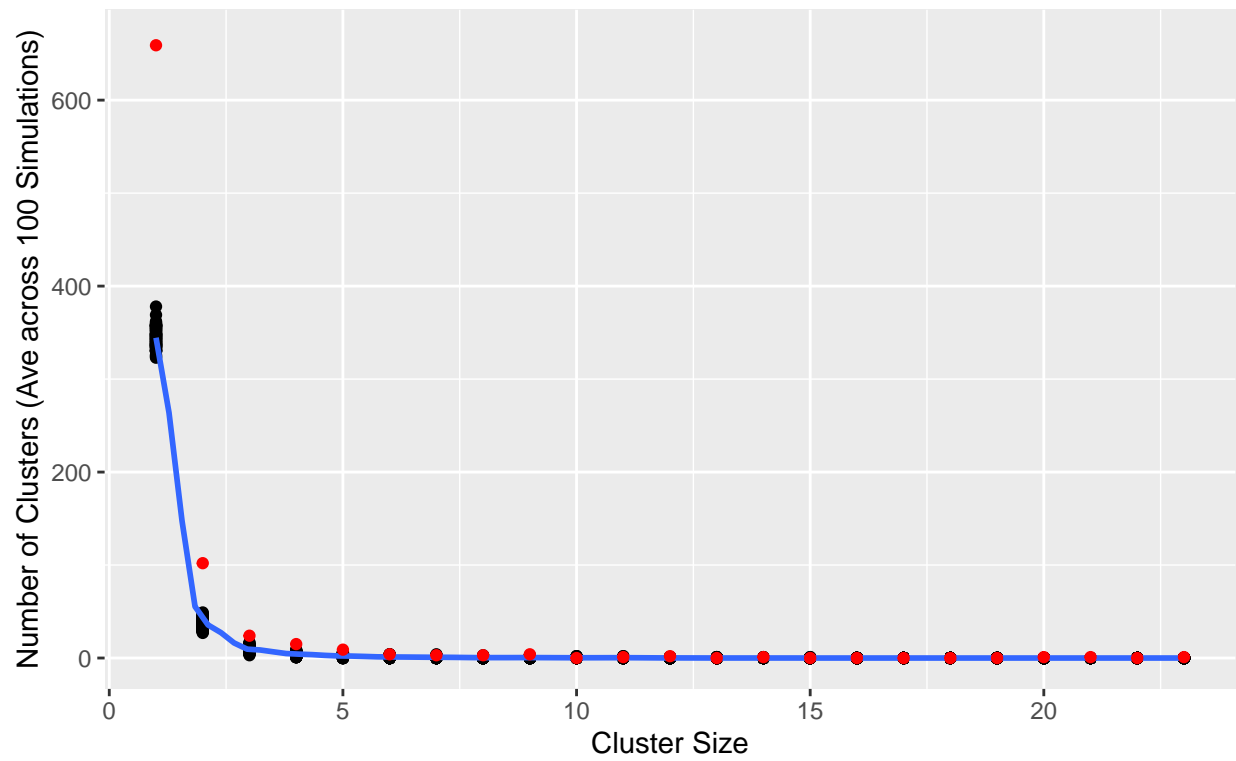
Component Distribution for Proportion 0.5
True Distribution in Red



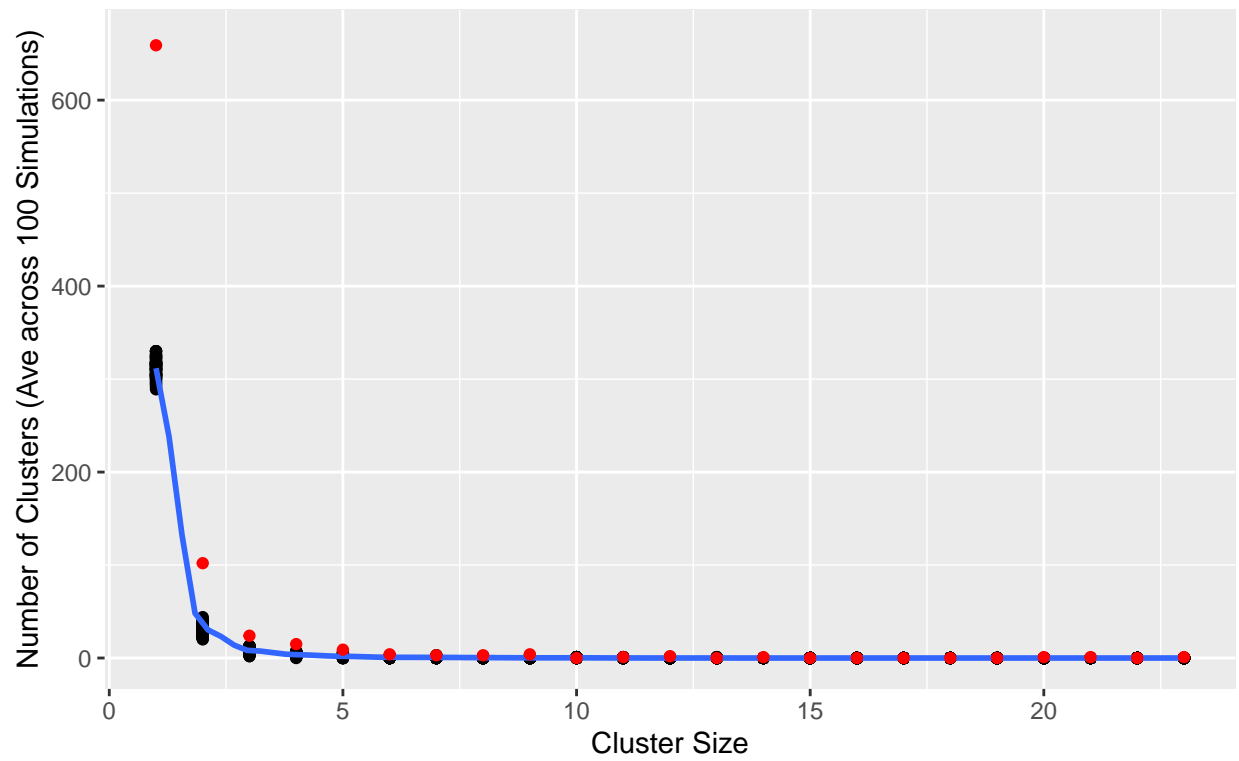
Component Distribution for Proportion 0.45
True Distribution in Red



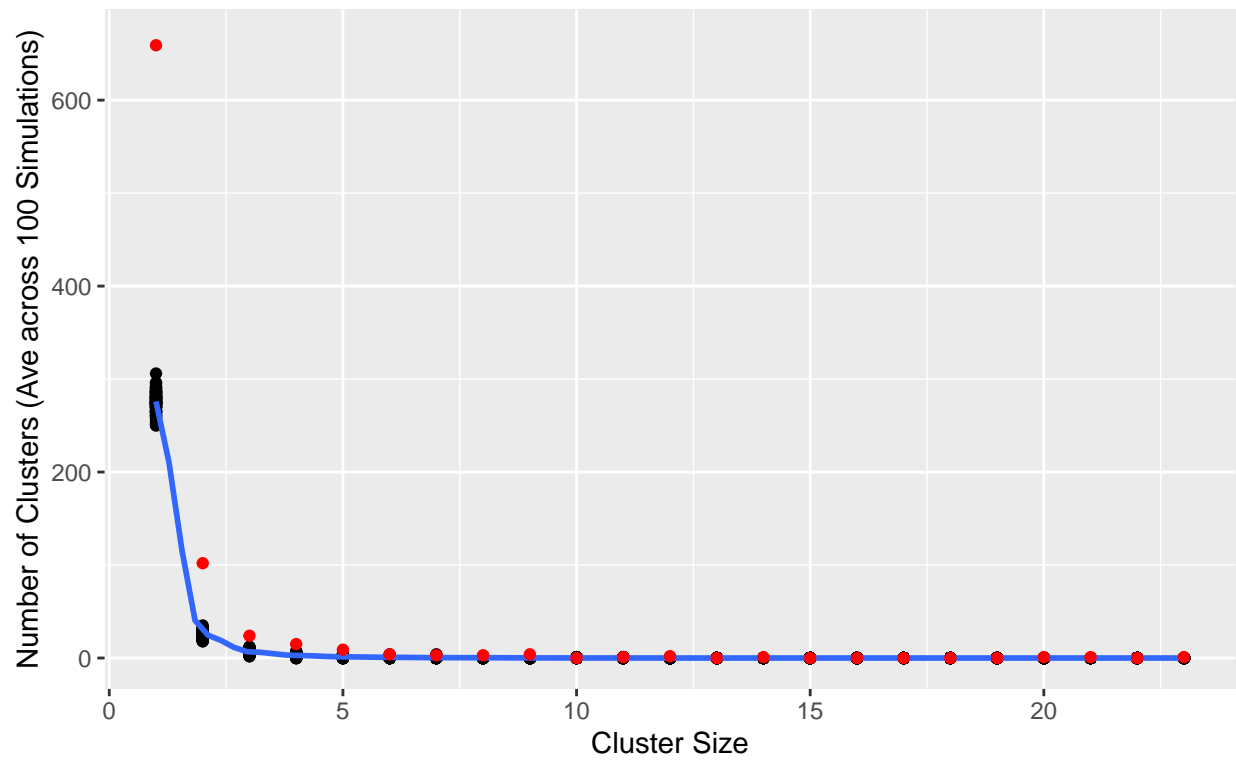
Component Distribution for Proportion 0.4
True Distribution in Red



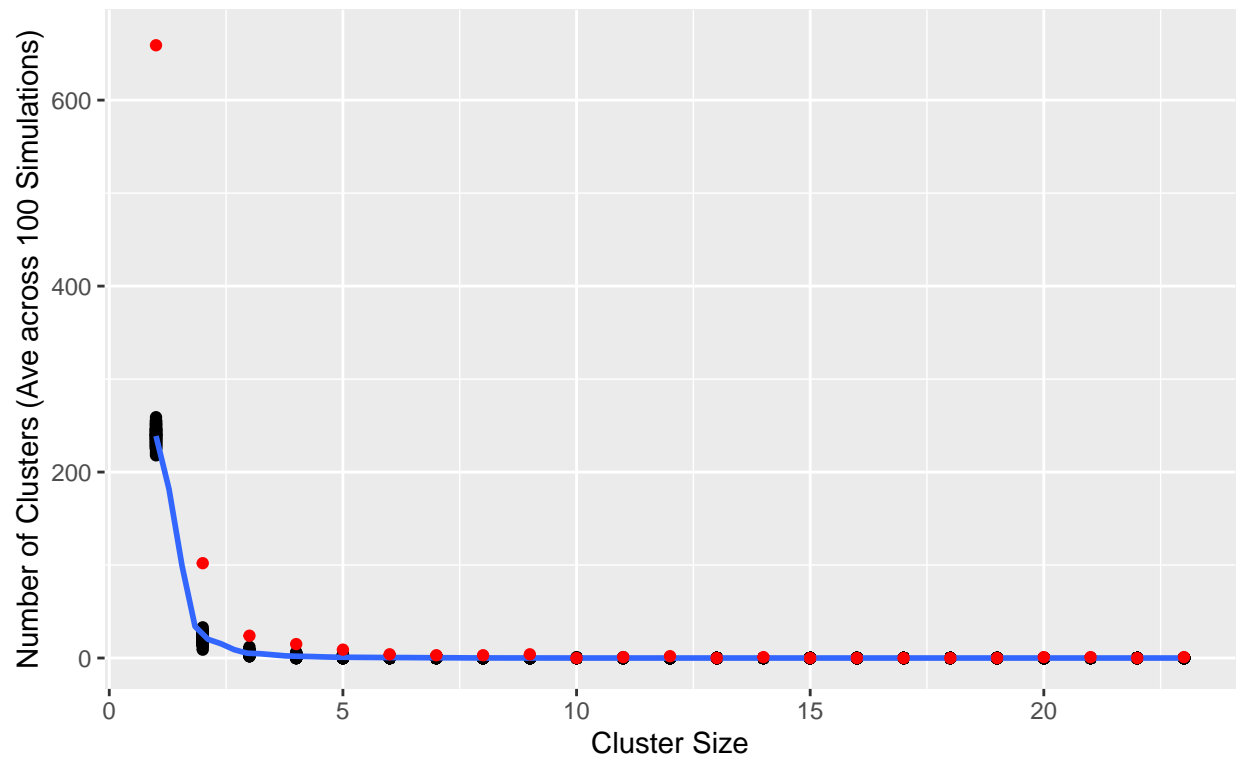
Component Distribution for Proportion 0.35
True Distribution in Red



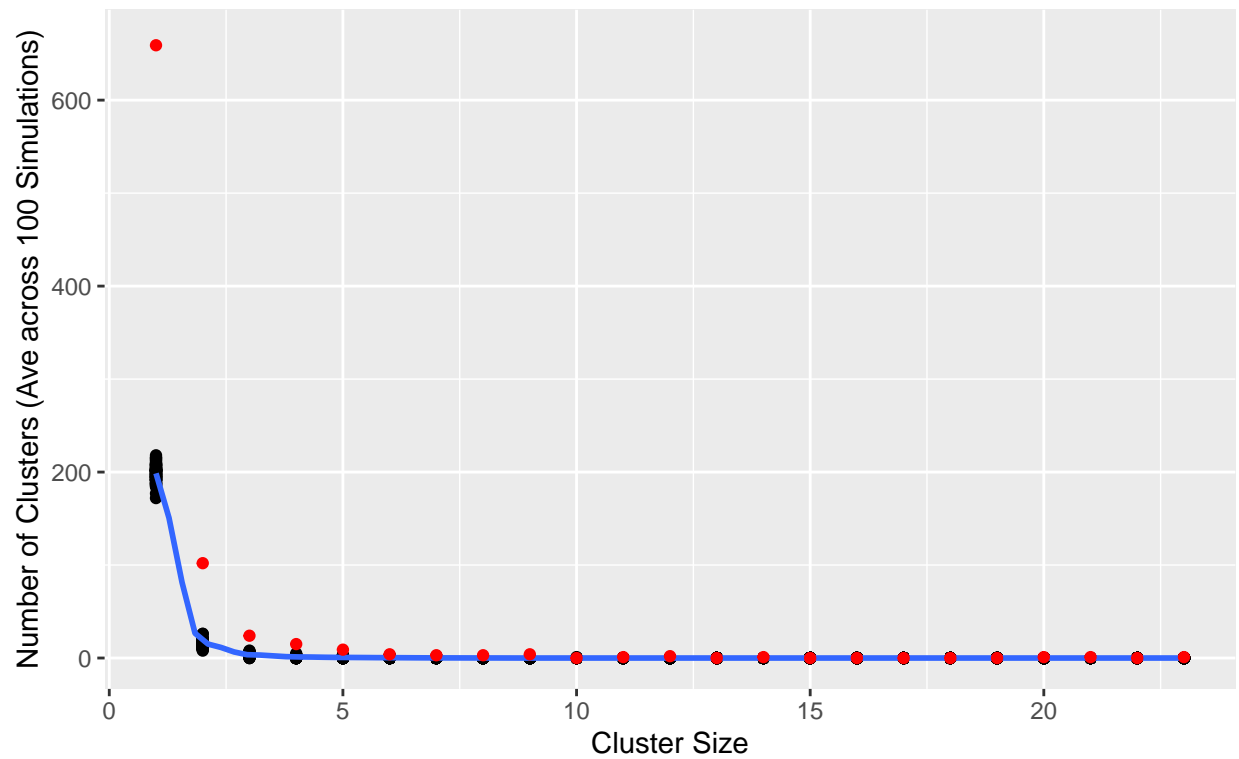
Component Distribution for Proportion 0.3
True Distribution in Red



Component Distribution for Proportion 0.25
True Distribution in Red



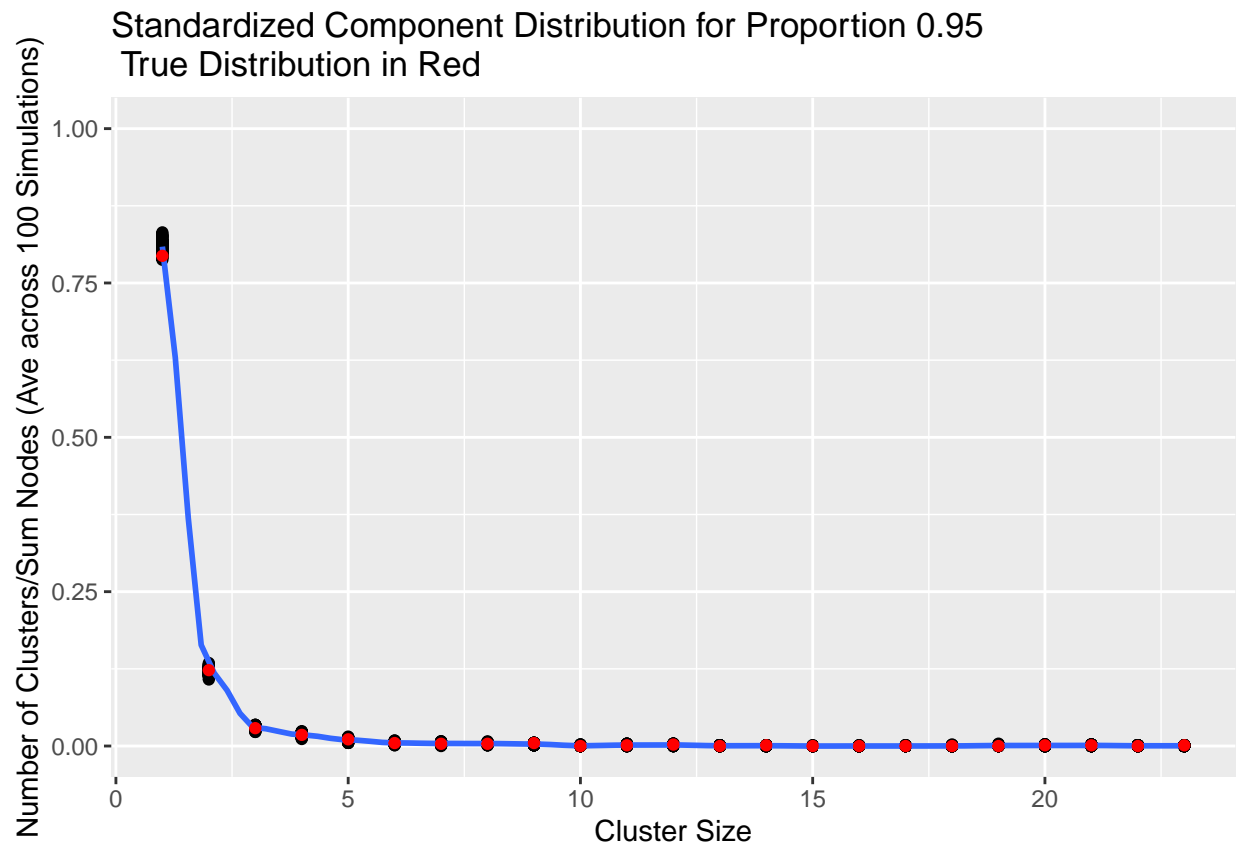
Component Distribution for Proportion 0.2
True Distribution in Red

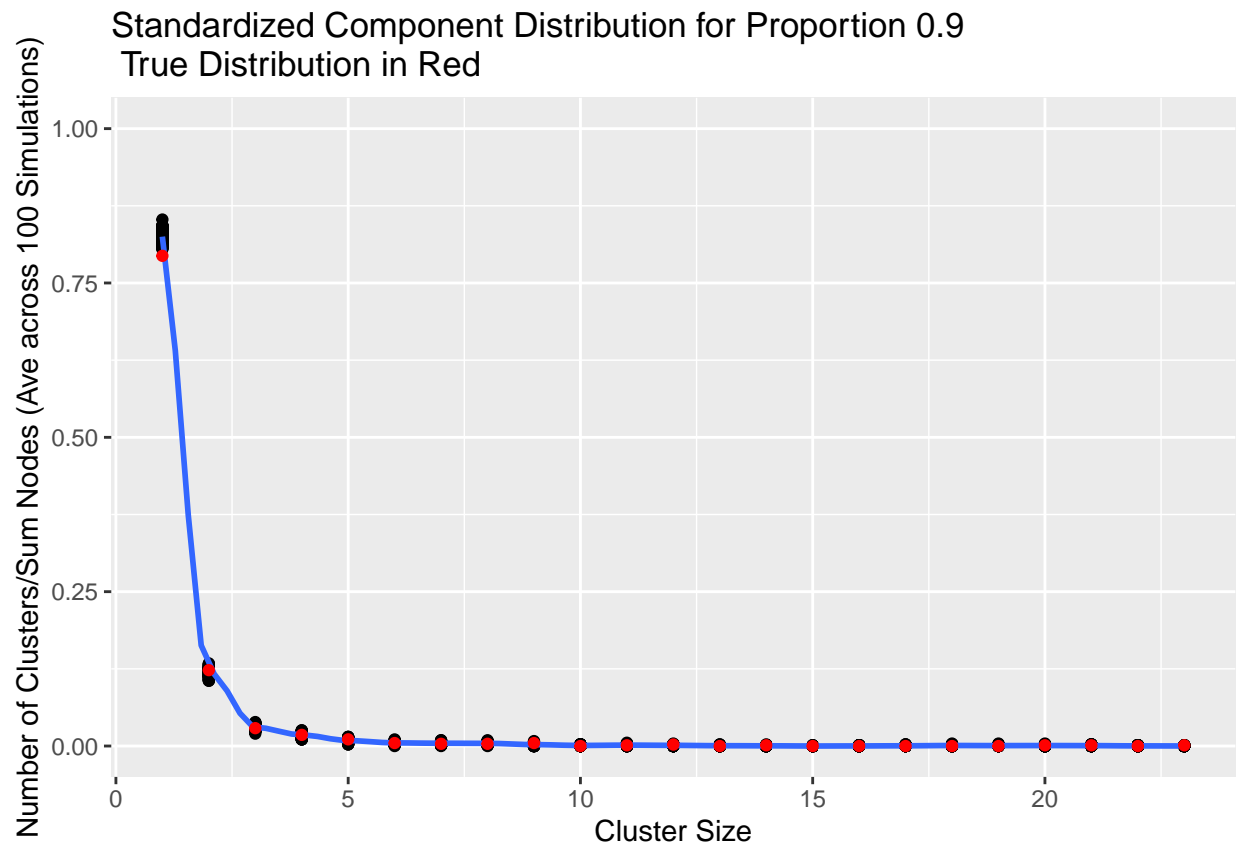


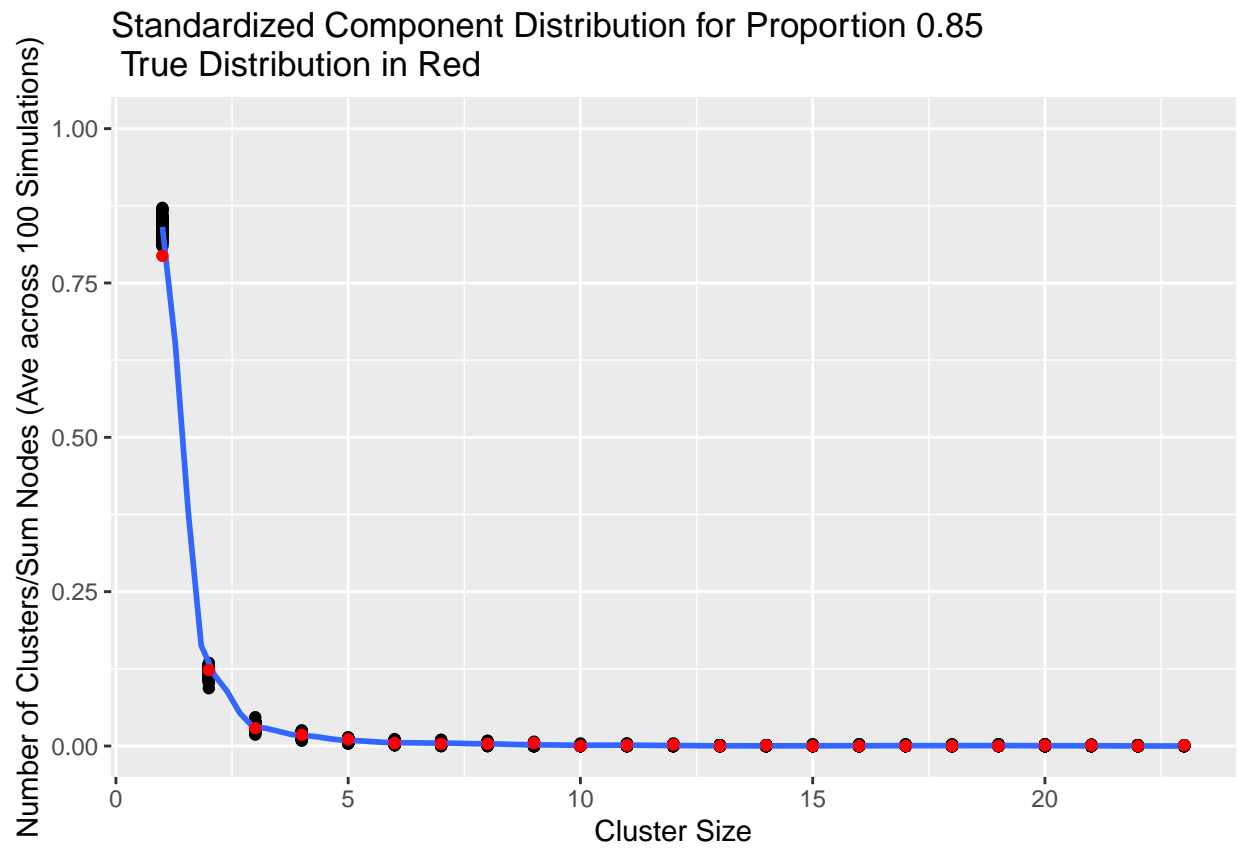
2 Standardized Visuals for Simulated Genetic Networks

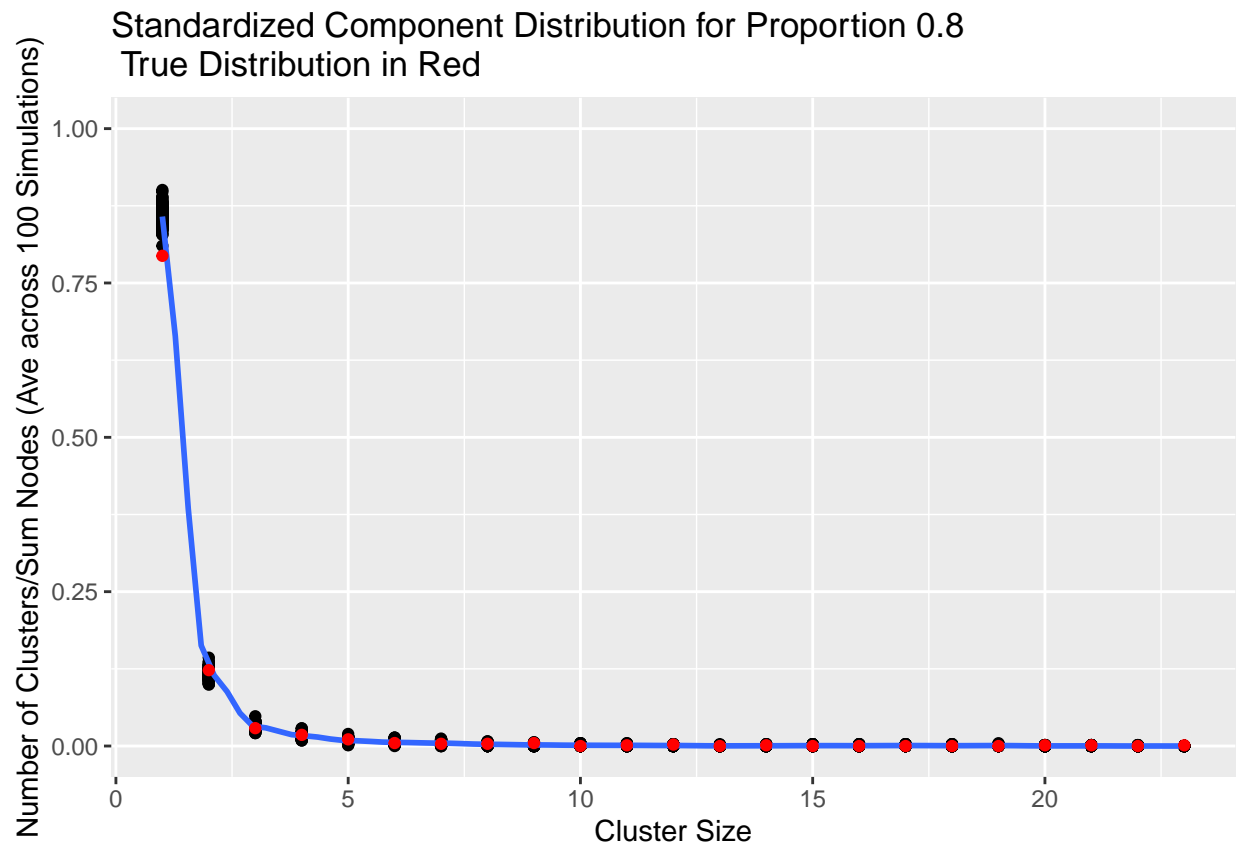
Standardize # clusters/# nodes

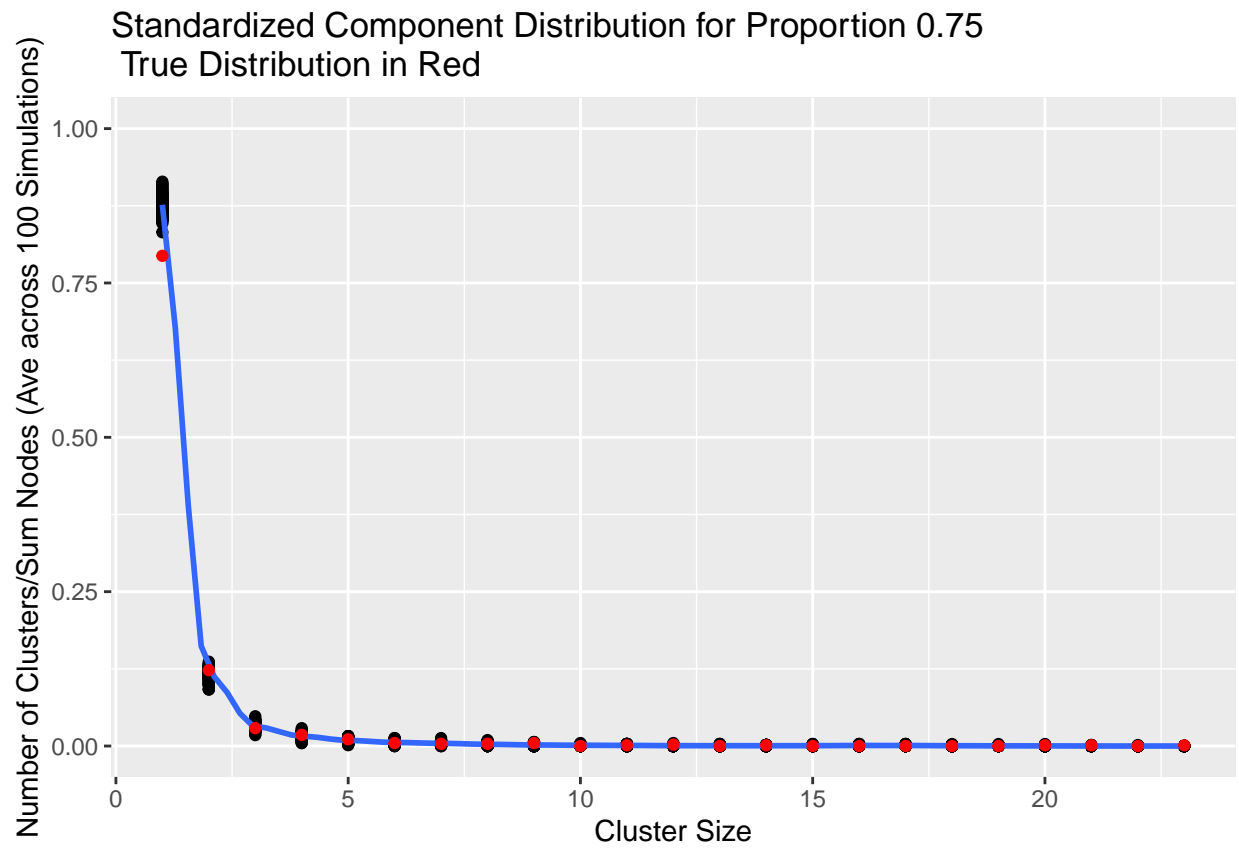


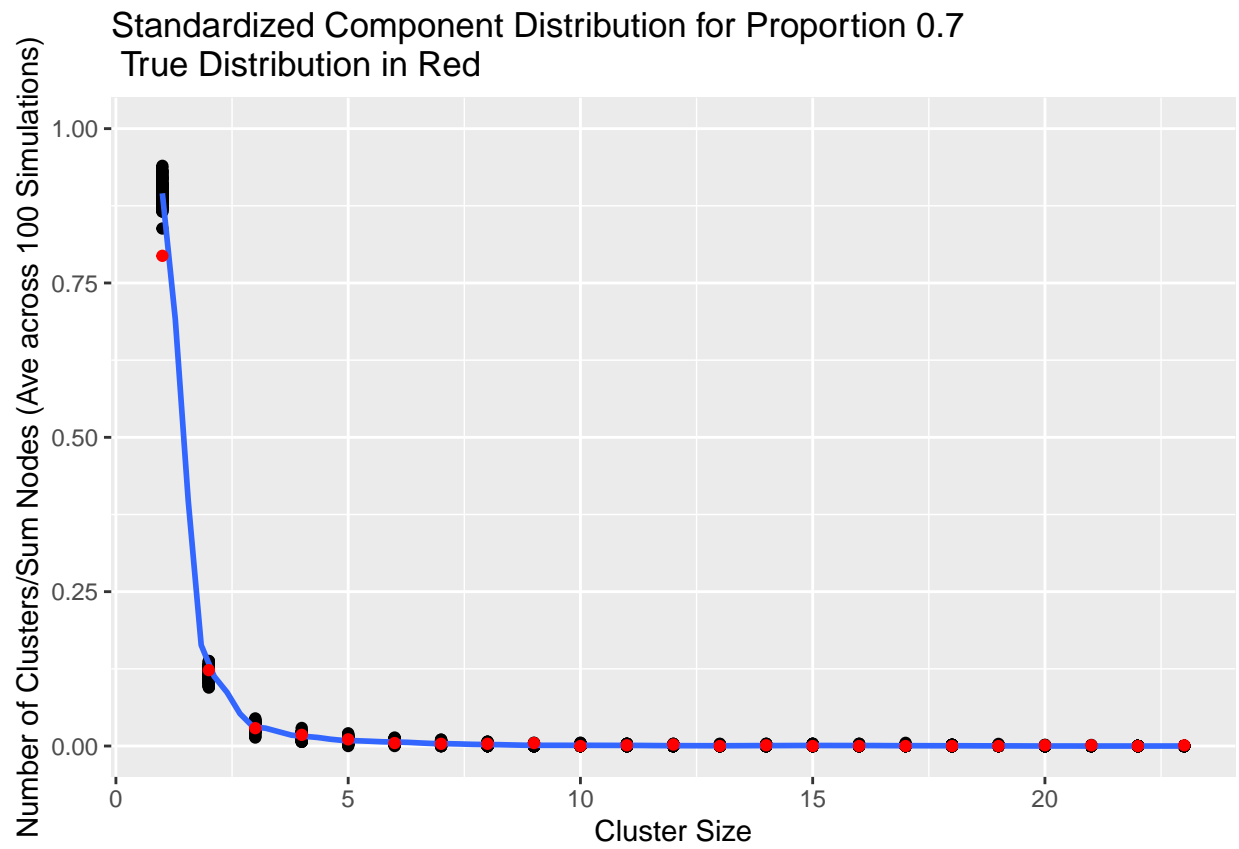


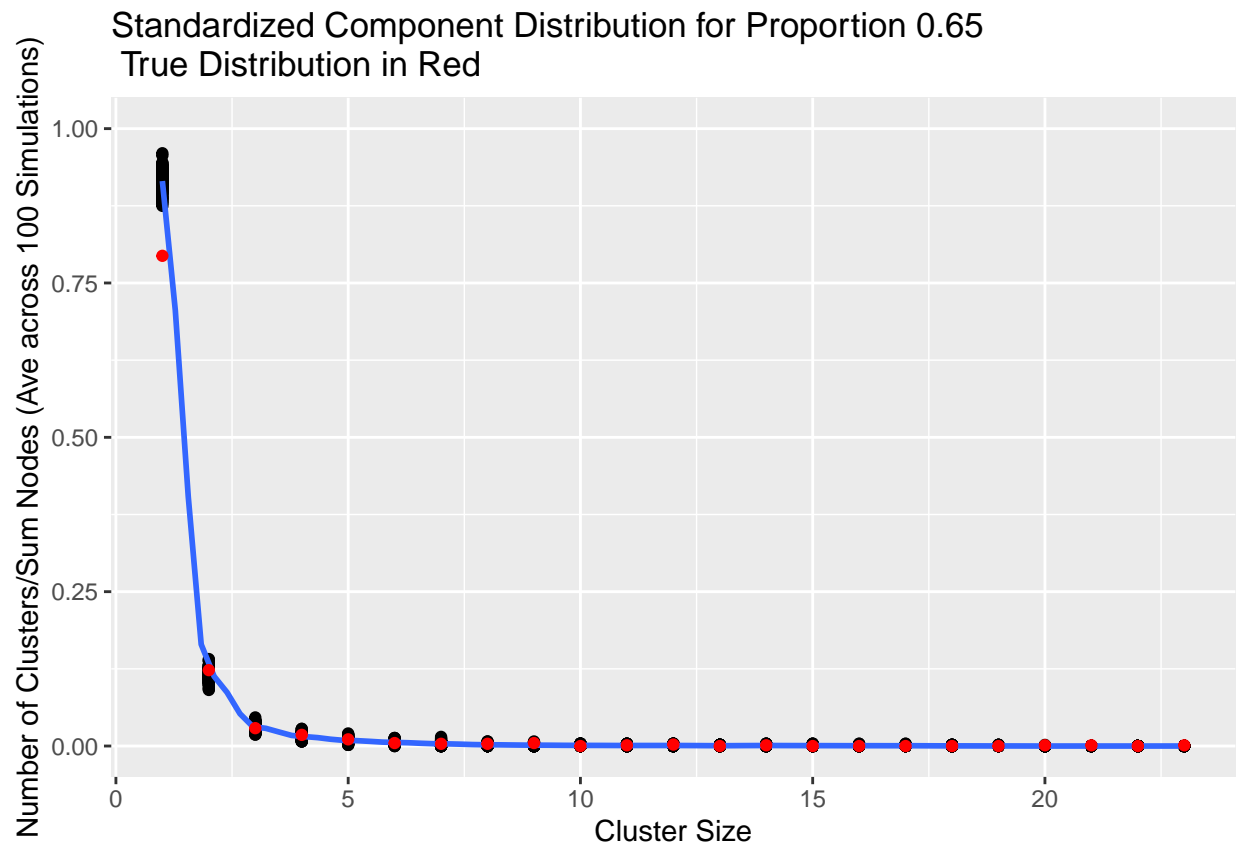


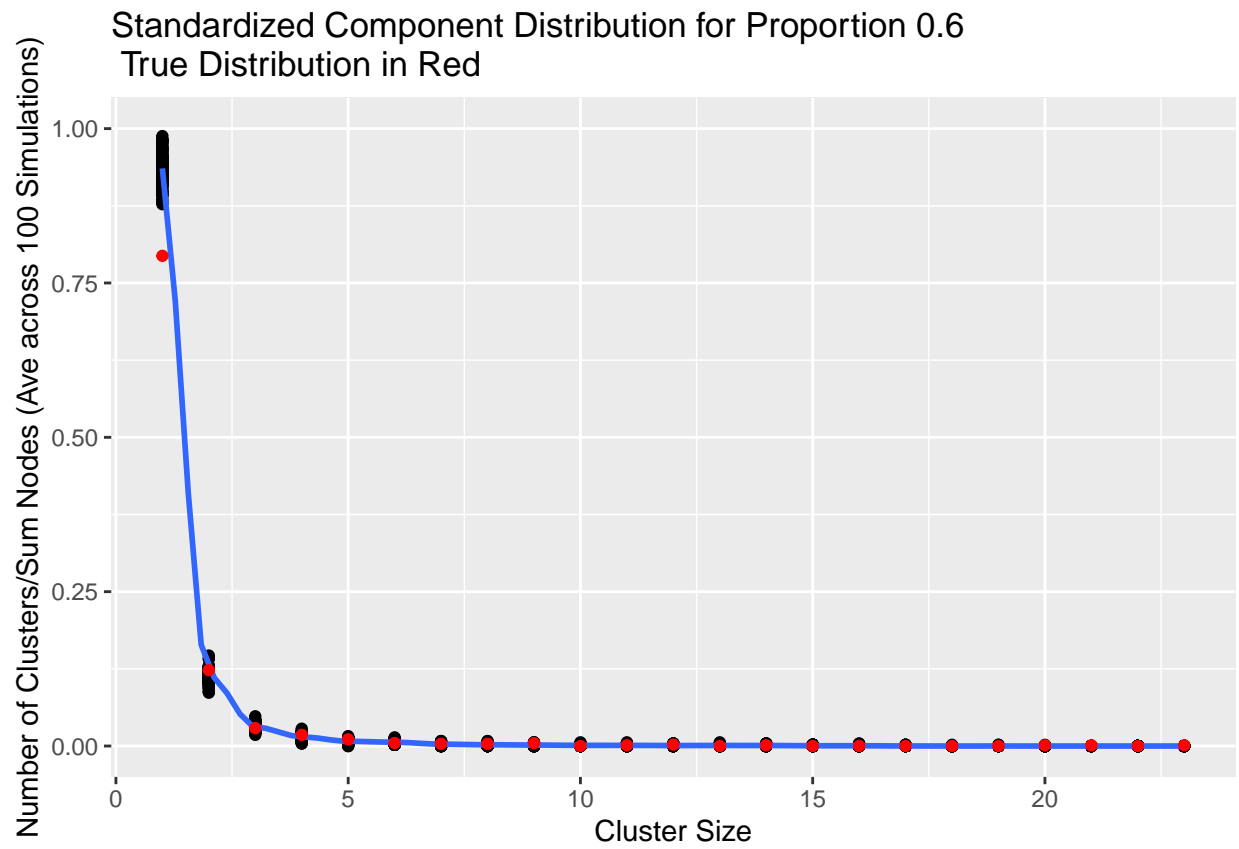


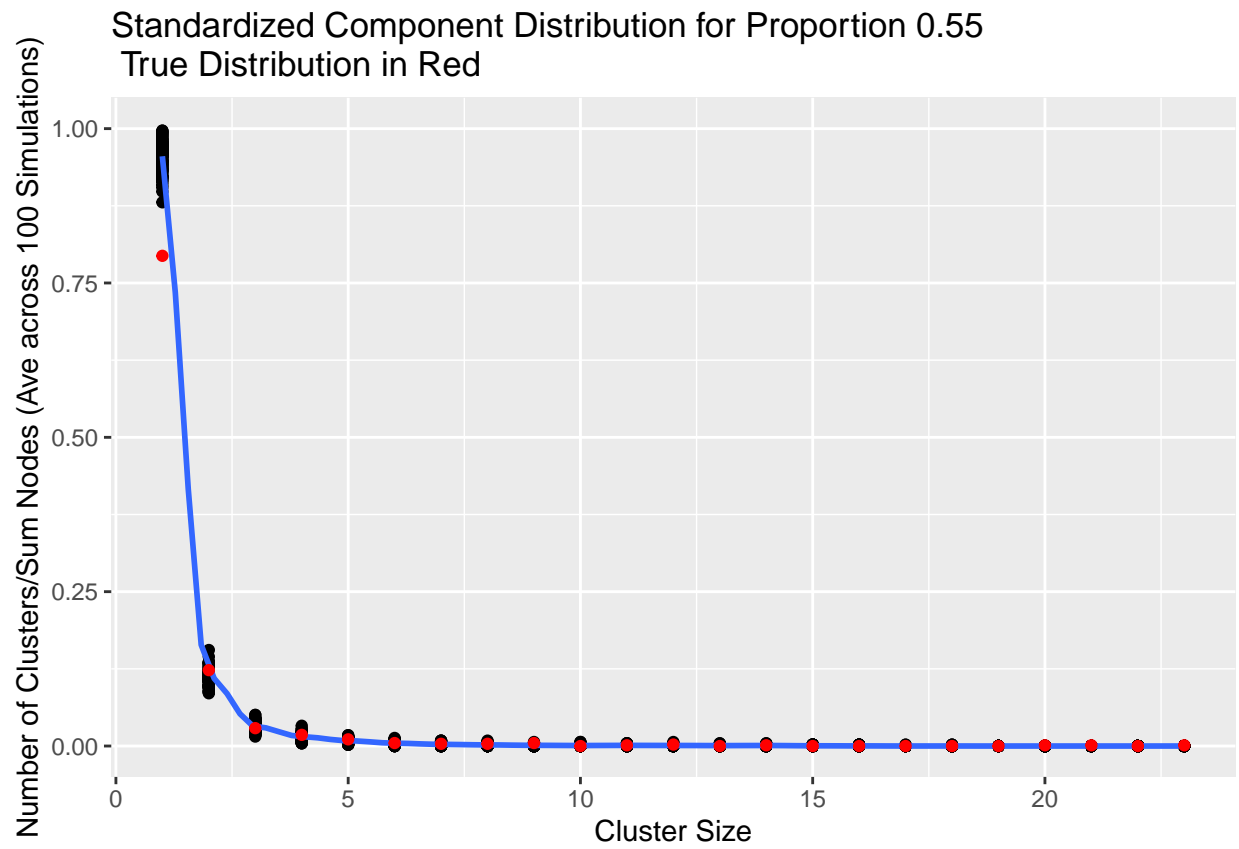


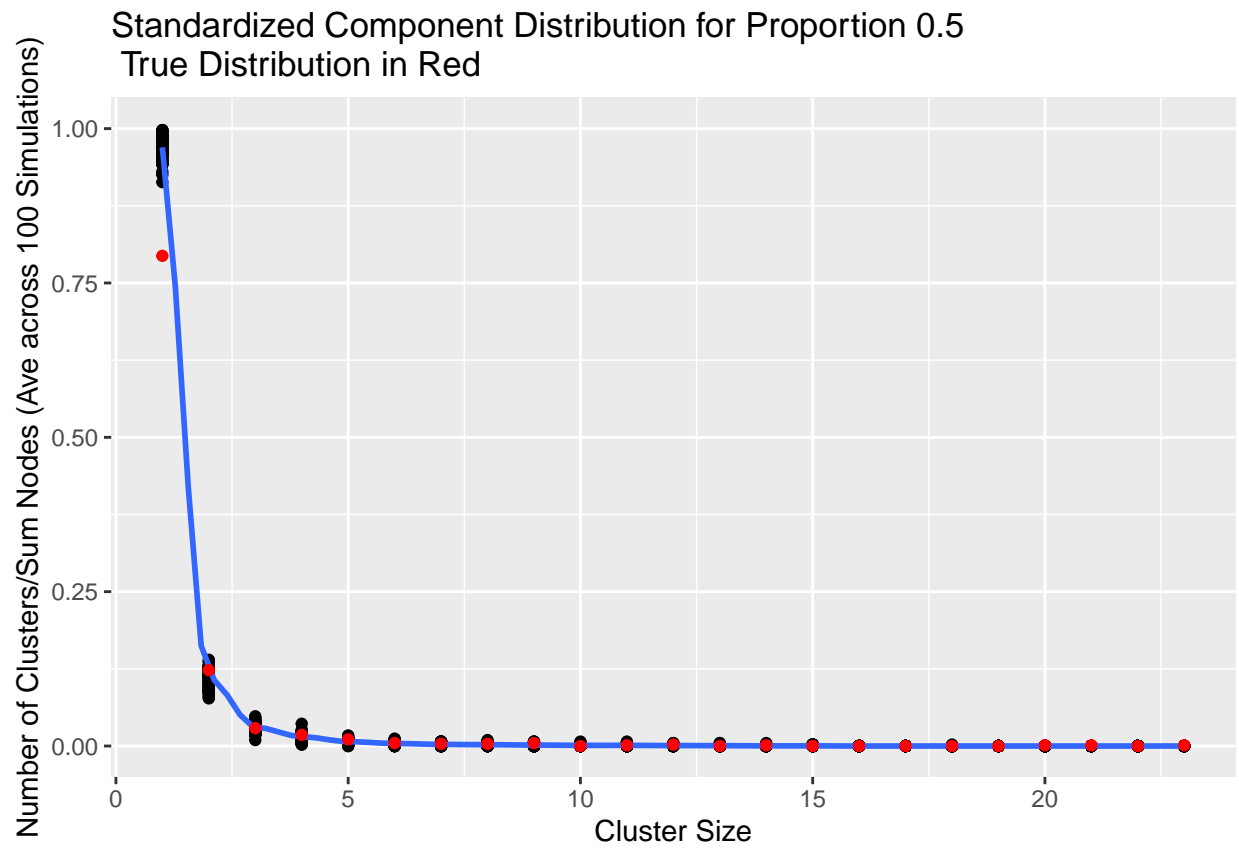


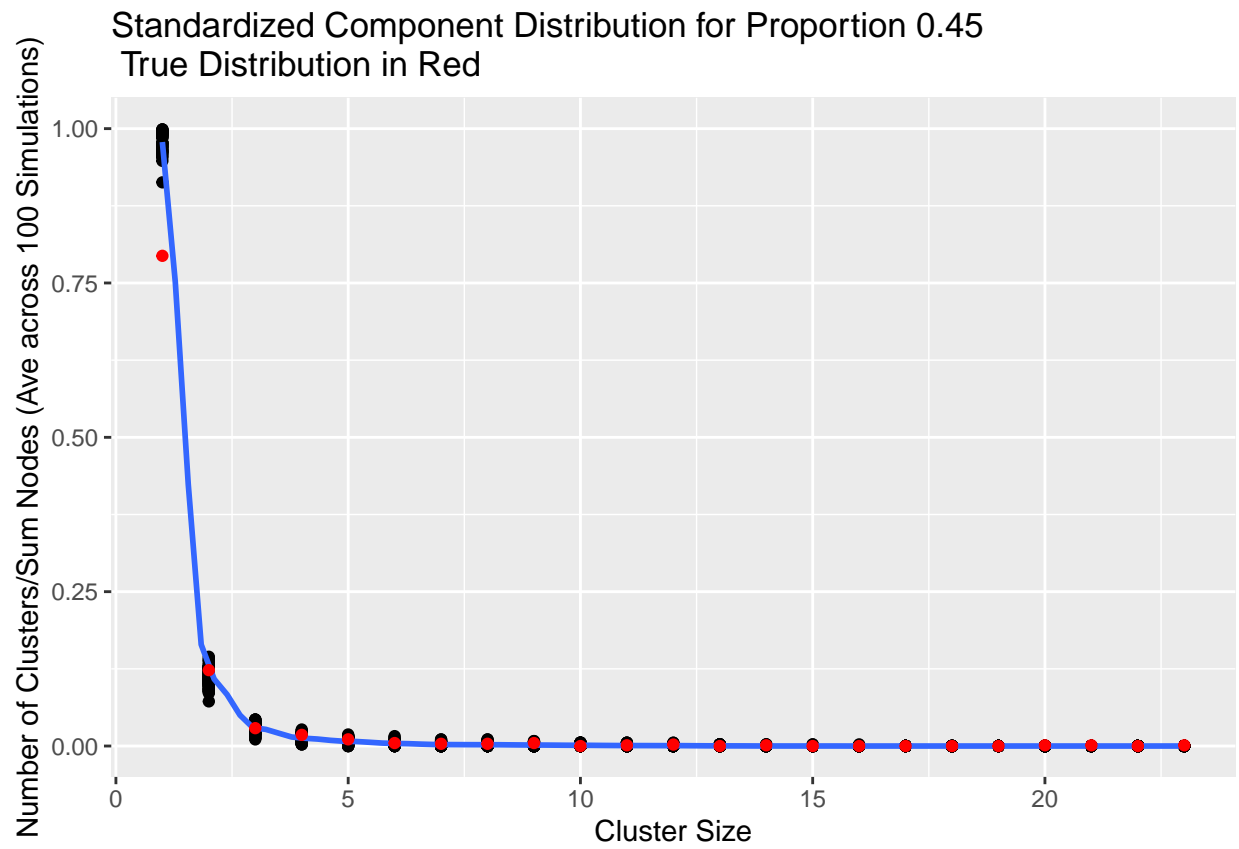


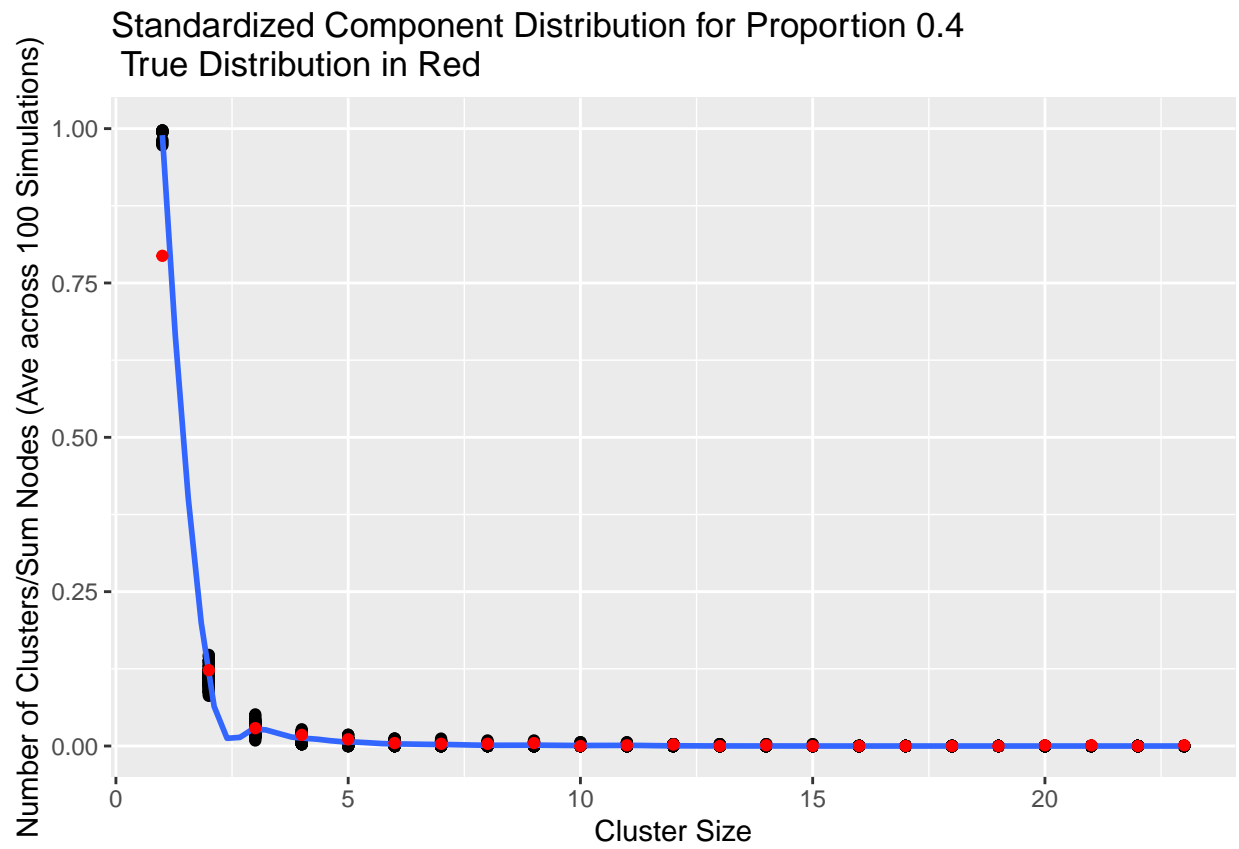


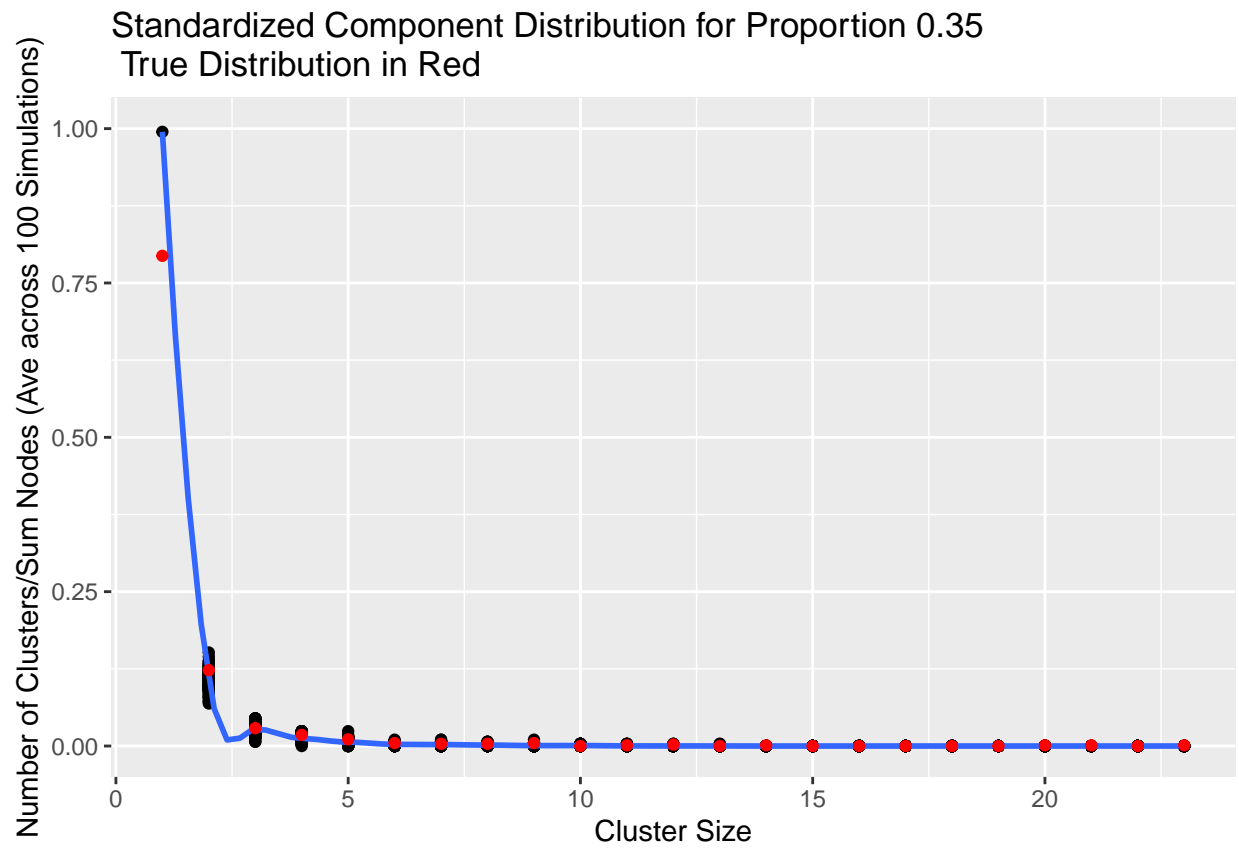


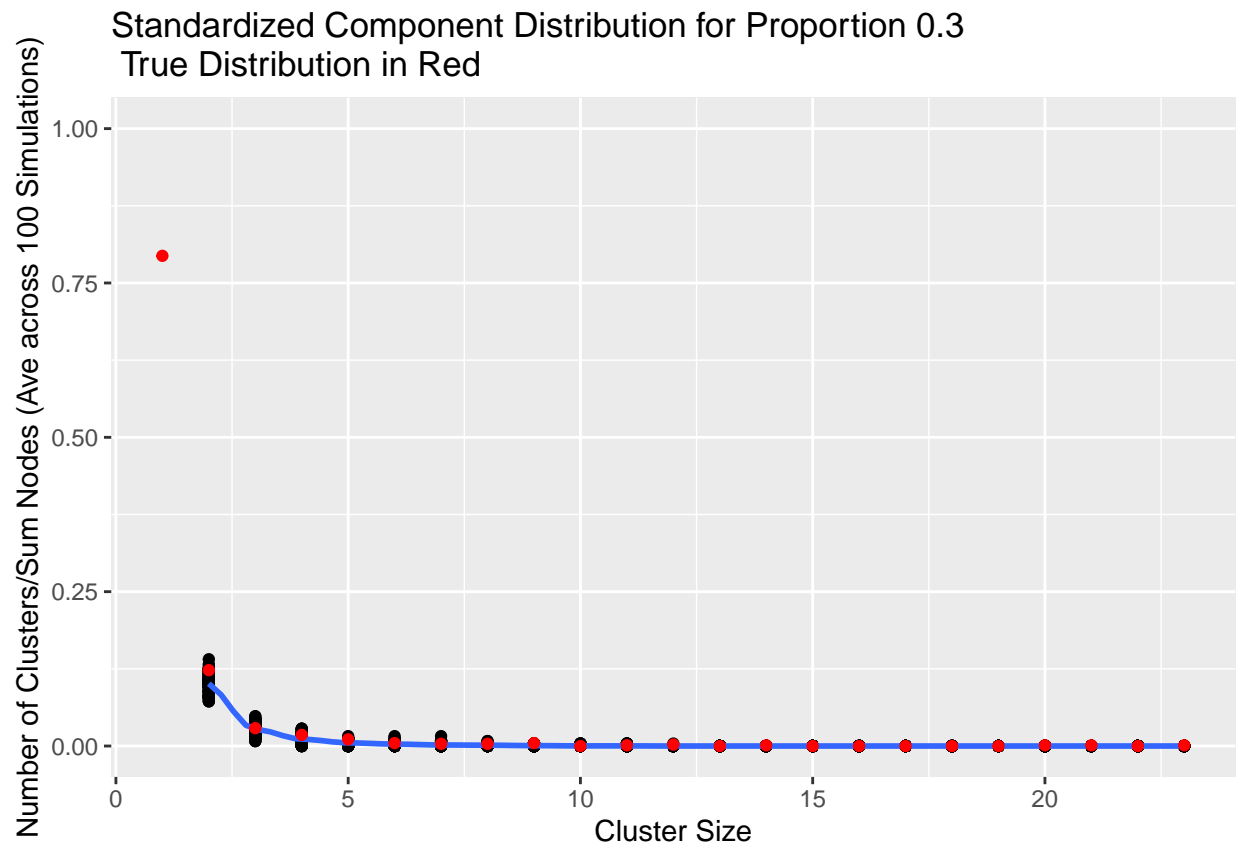


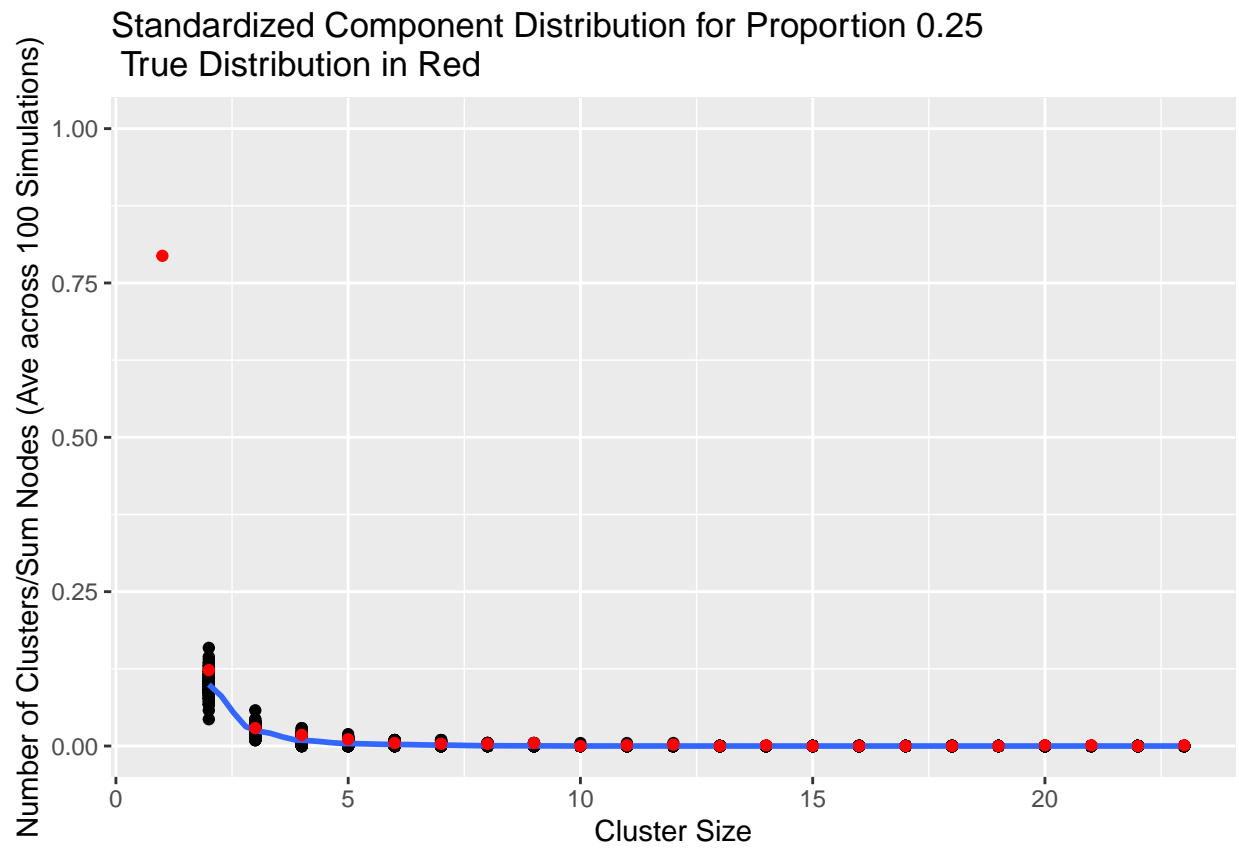


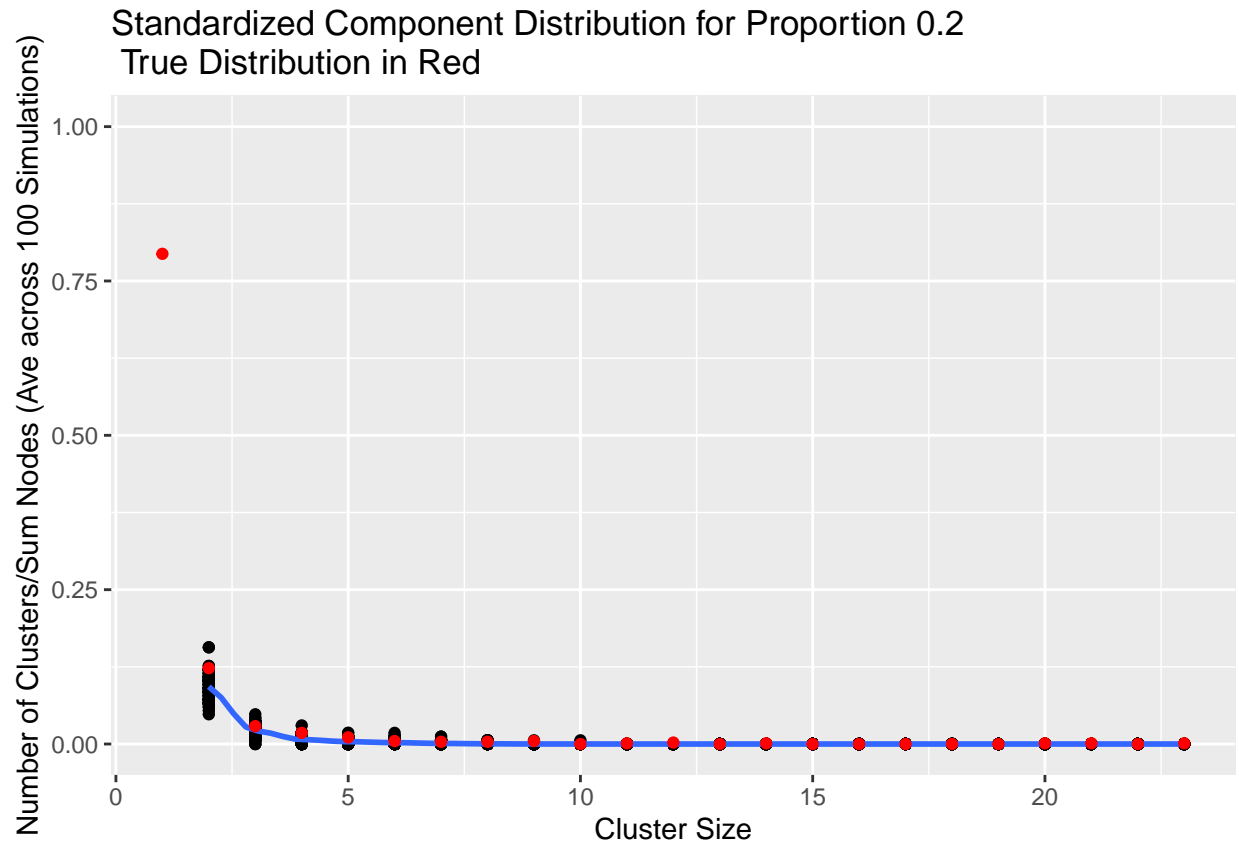








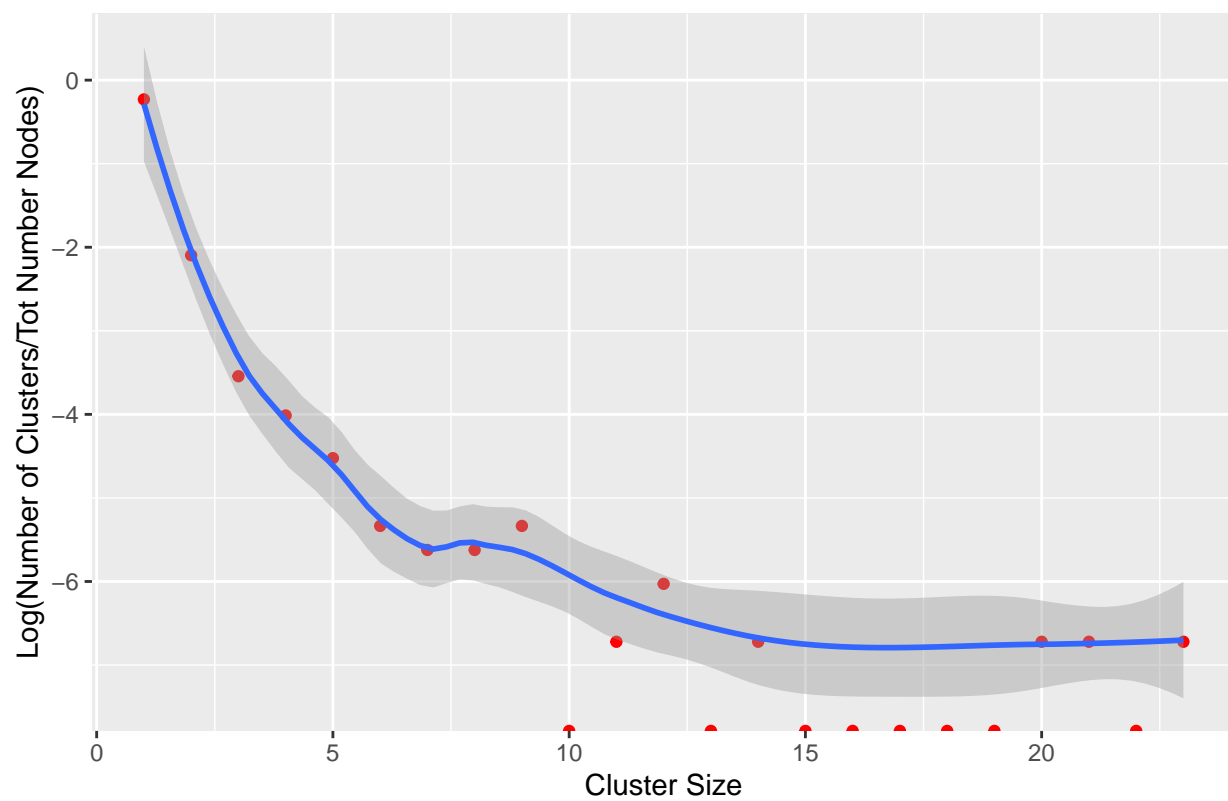




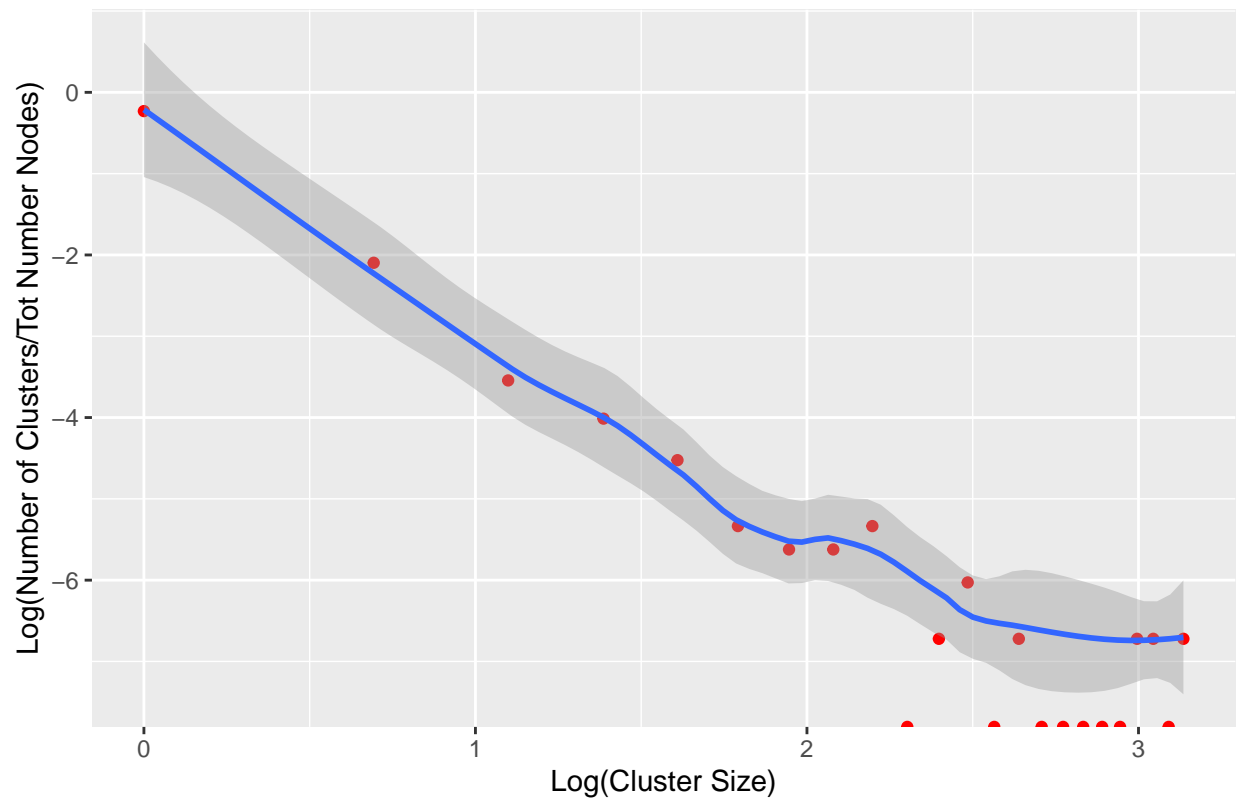
3 Visualizing - Log vs Log-Log Scales

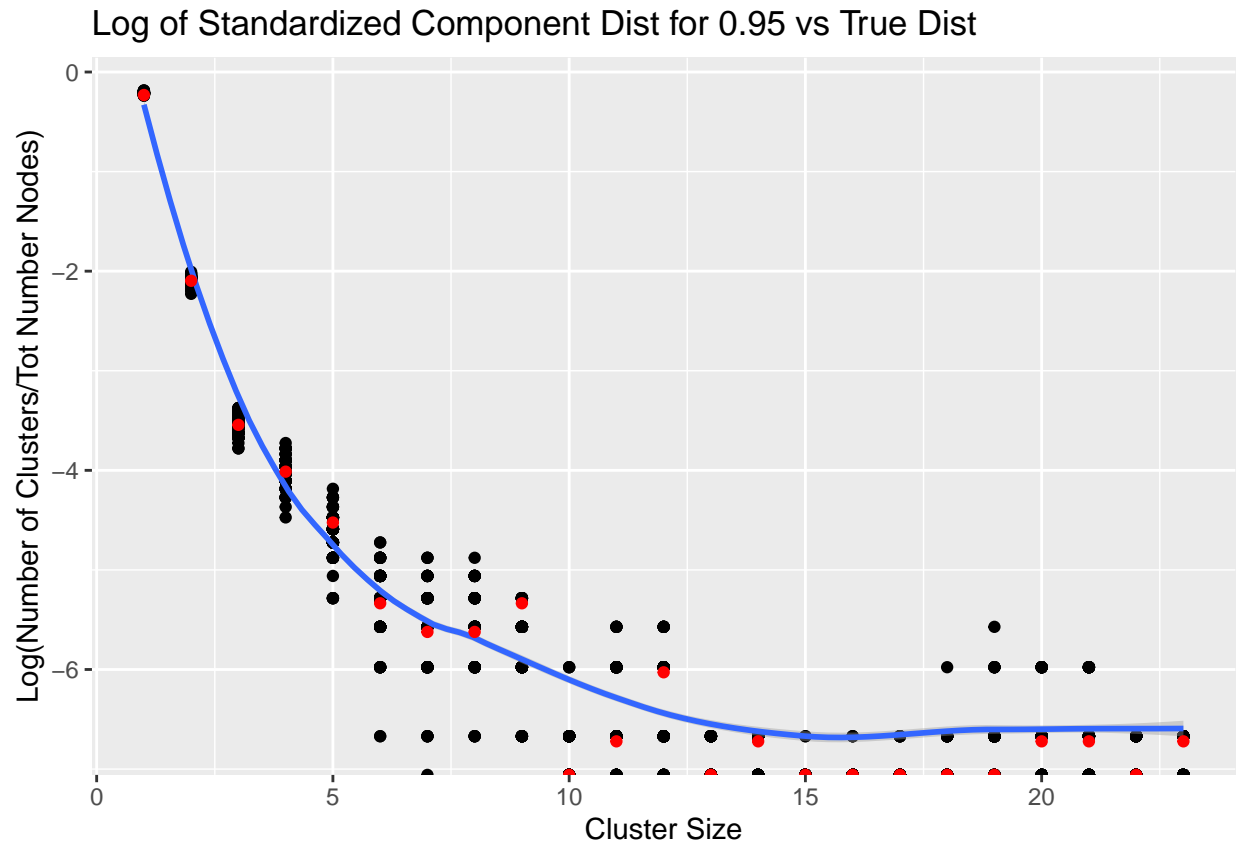
Results - the true distribution looks linear(ish) on the log-log scale. What do we do with the 0's? leave them in? Will the skew our data downwards? Maybe not an issue for simulated data because there will be fewer 0's? are empties better though? Think about this..

Log of Standardized Component Dist for True Dist

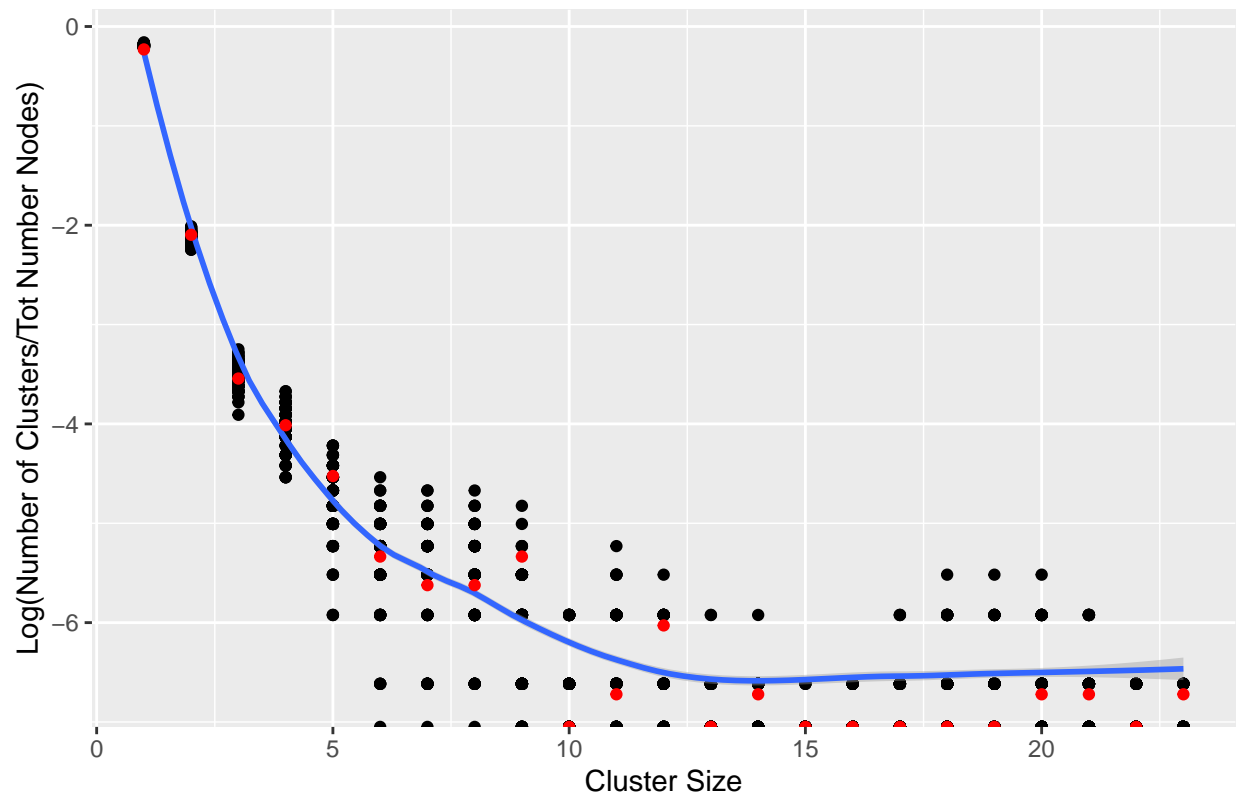


Log-Log of Standardized Component Dist for True Dist

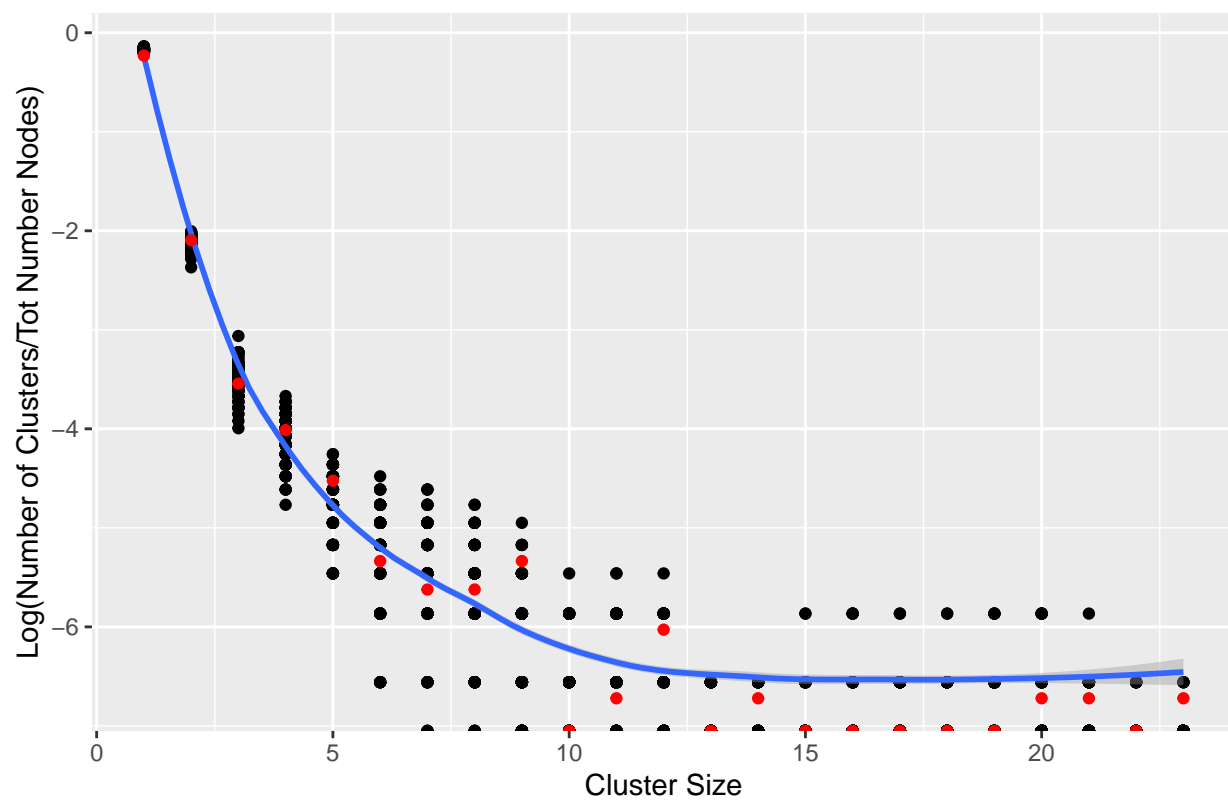




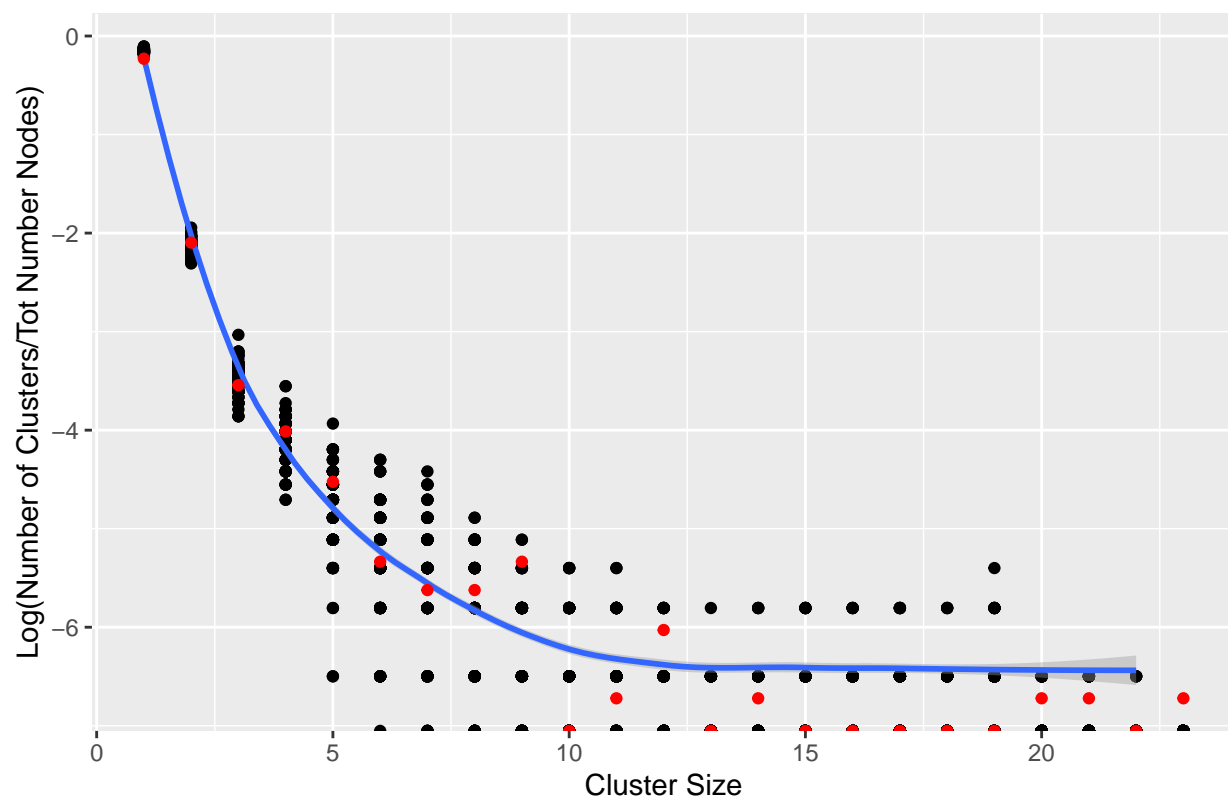
Log of Standardized Component Dist for 0.9 vs True Dist

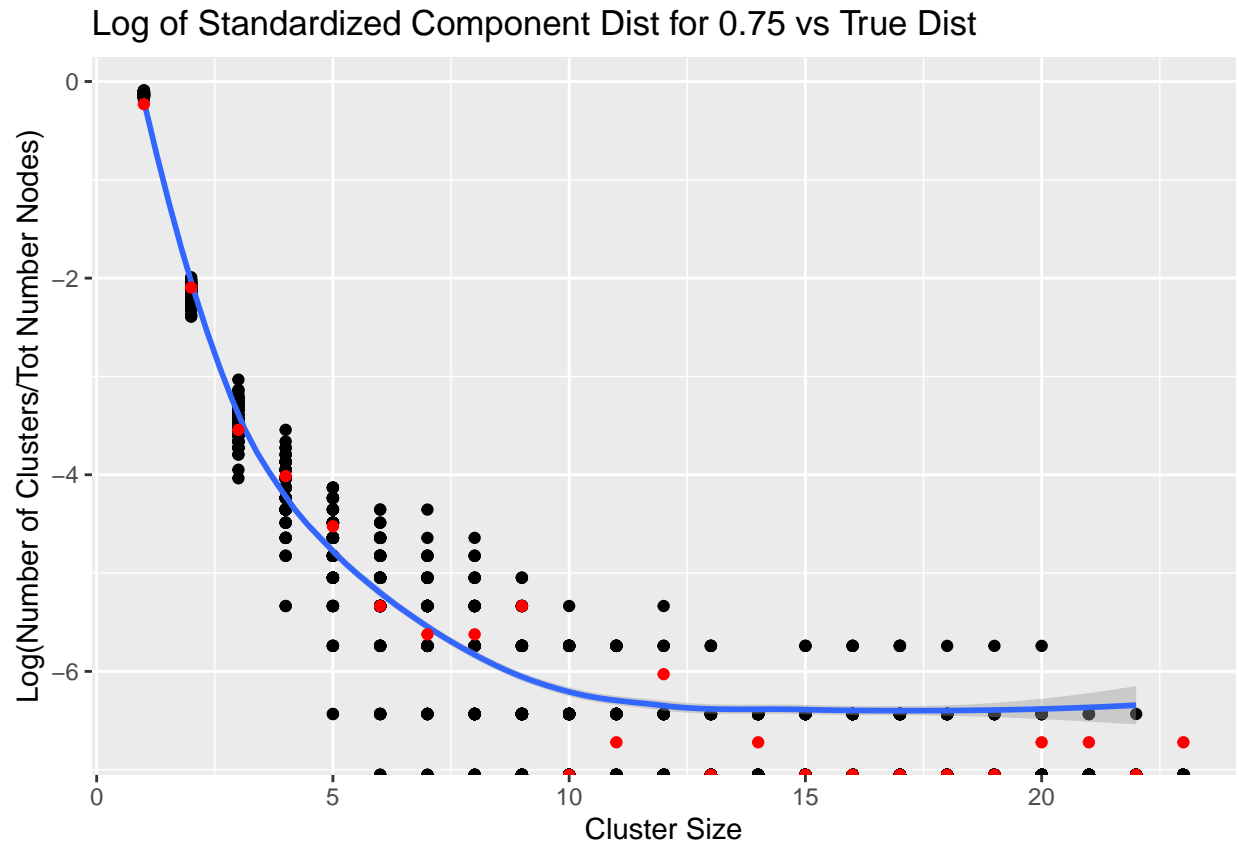


Log of Standardized Component Dist for 0.85 vs True Dist

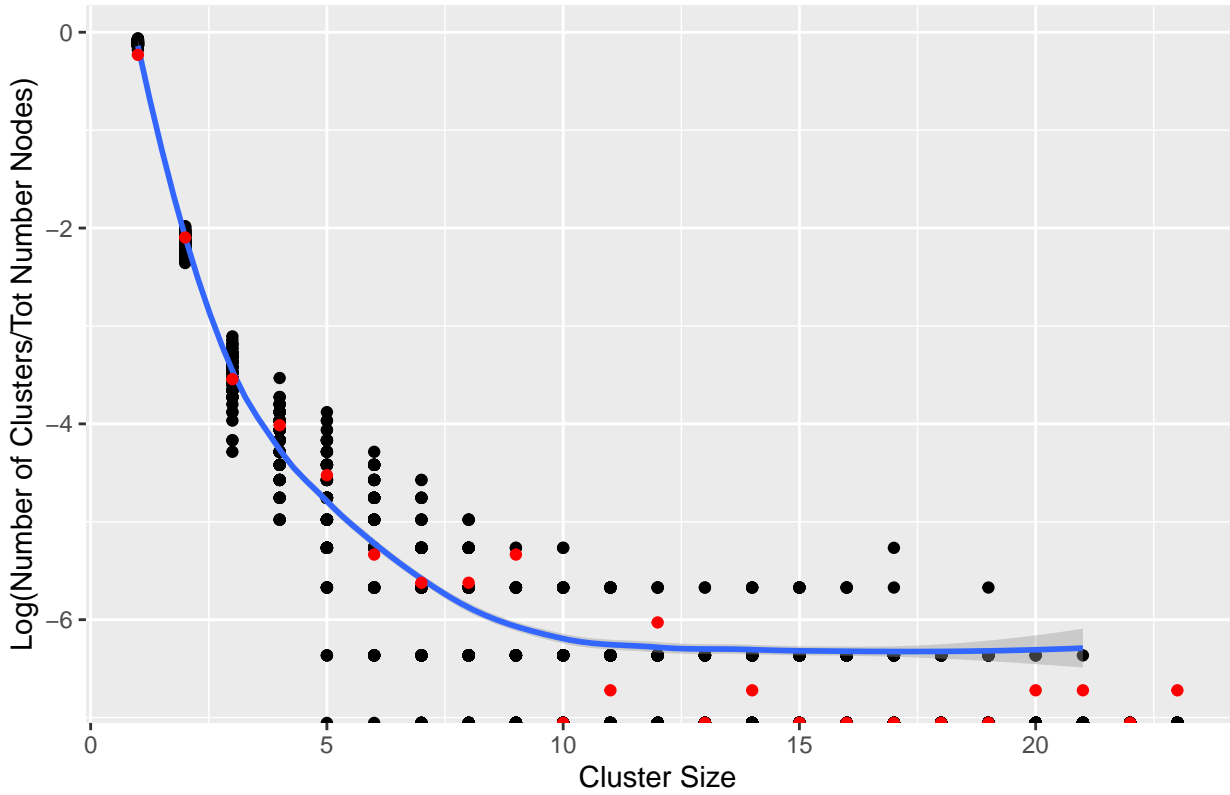


Log of Standardized Component Dist for 0.8 vs True Dist

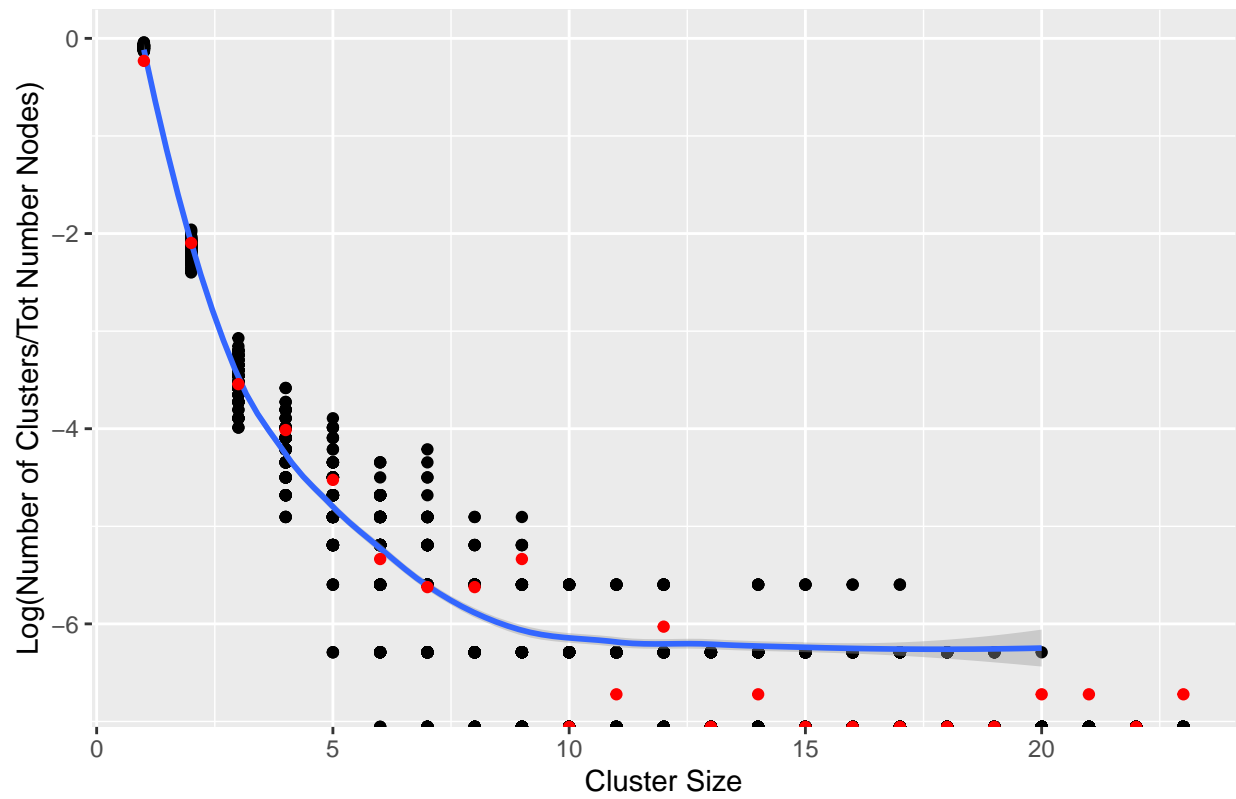




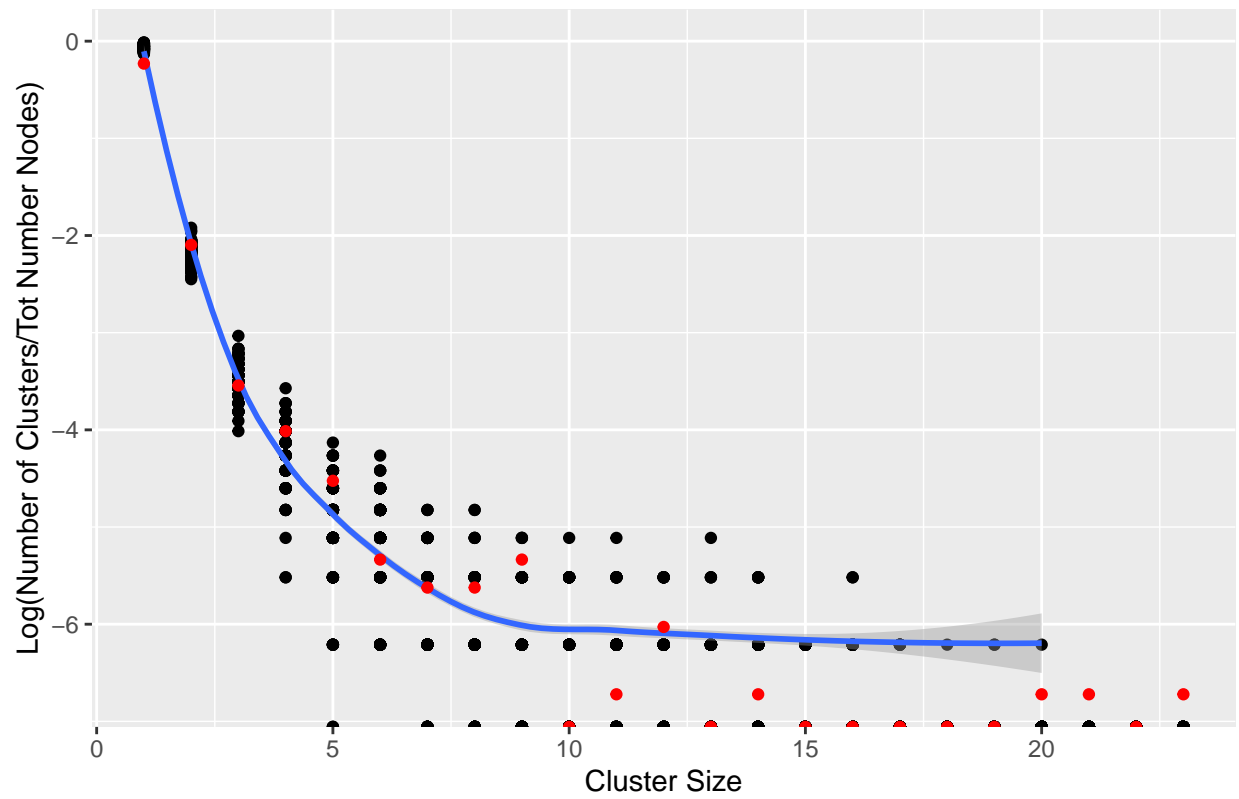
Log of Standardized Component Dist for 0.7 vs True Dist



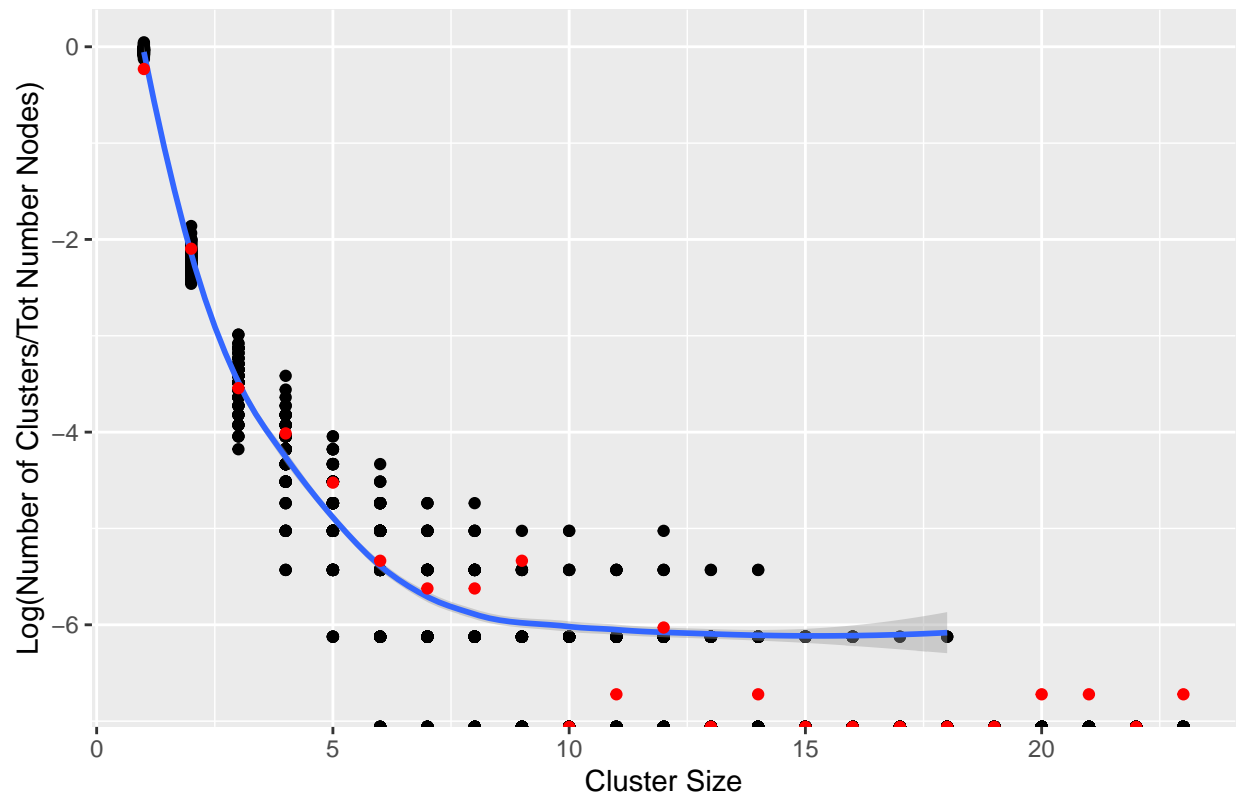
Log of Standardized Component Dist for 0.65 vs True Dist



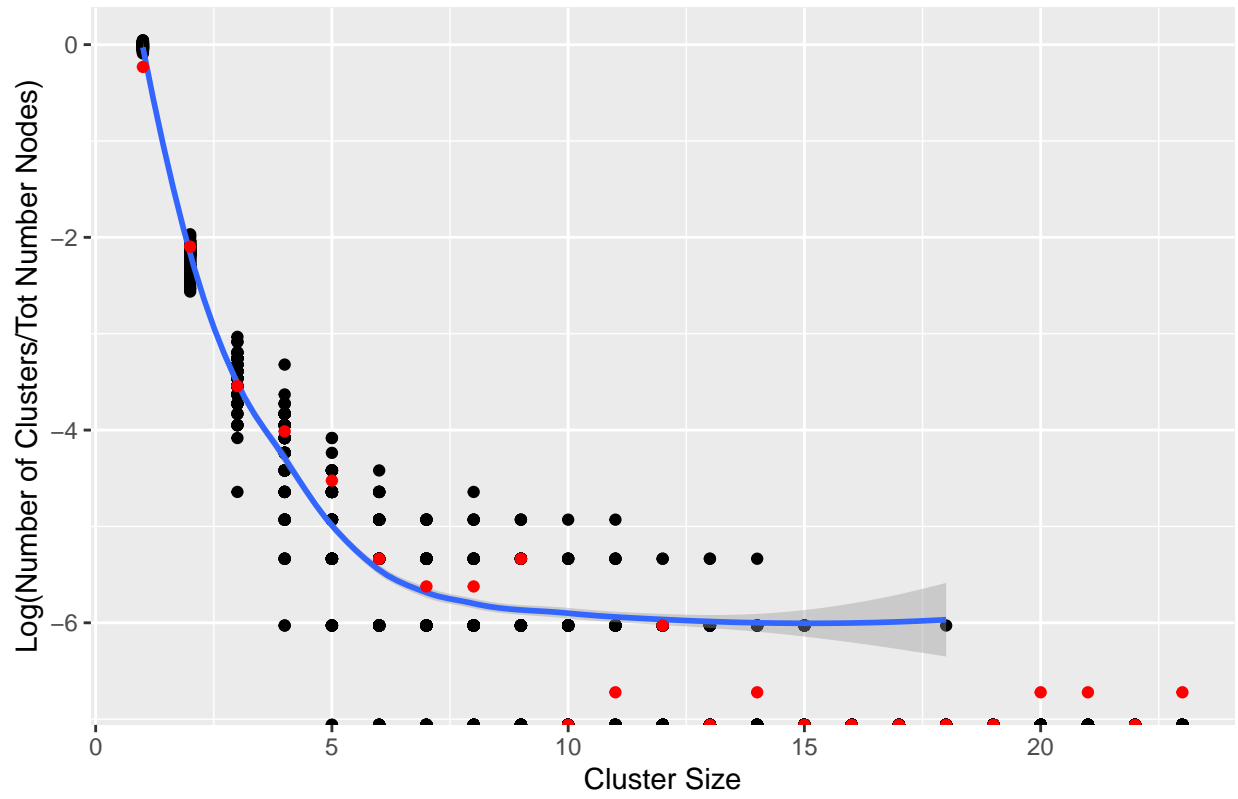
Log of Standardized Component Dist for 0.6 vs True Dist



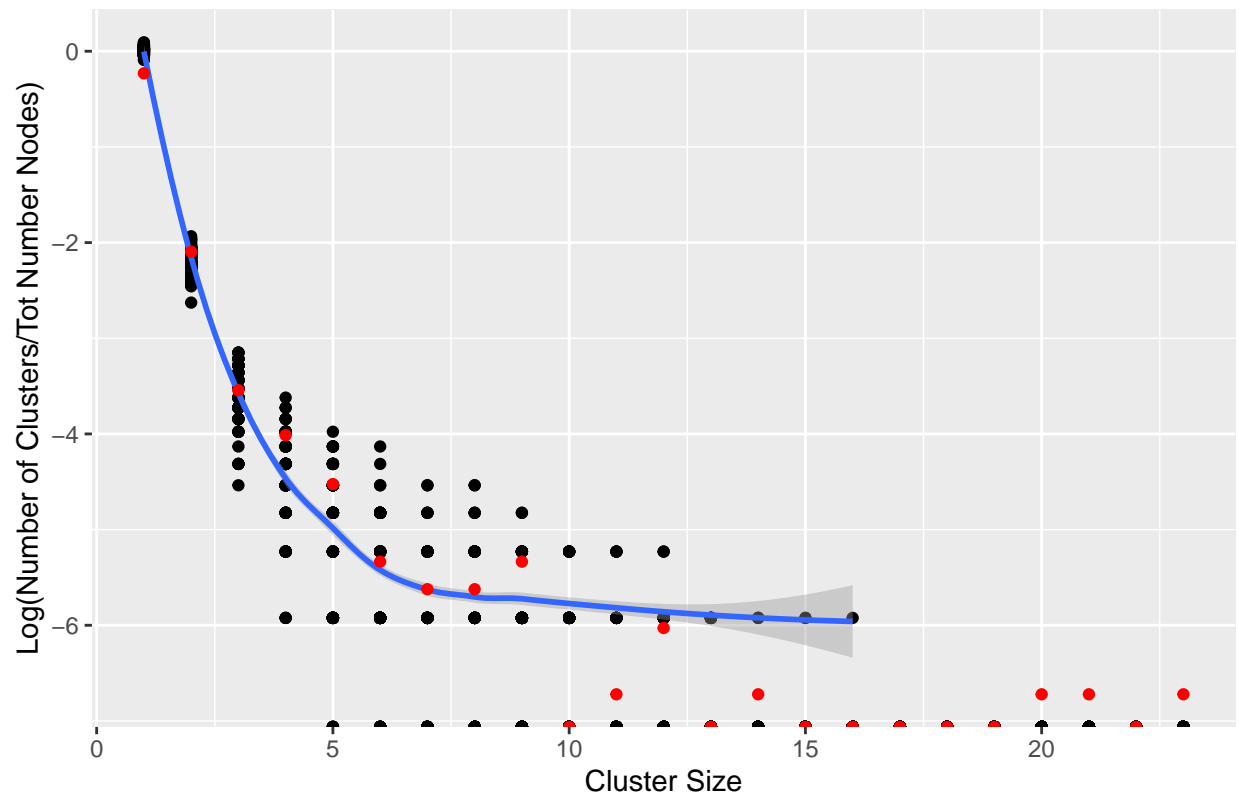
Log of Standardized Component Dist for 0.55 vs True Dist



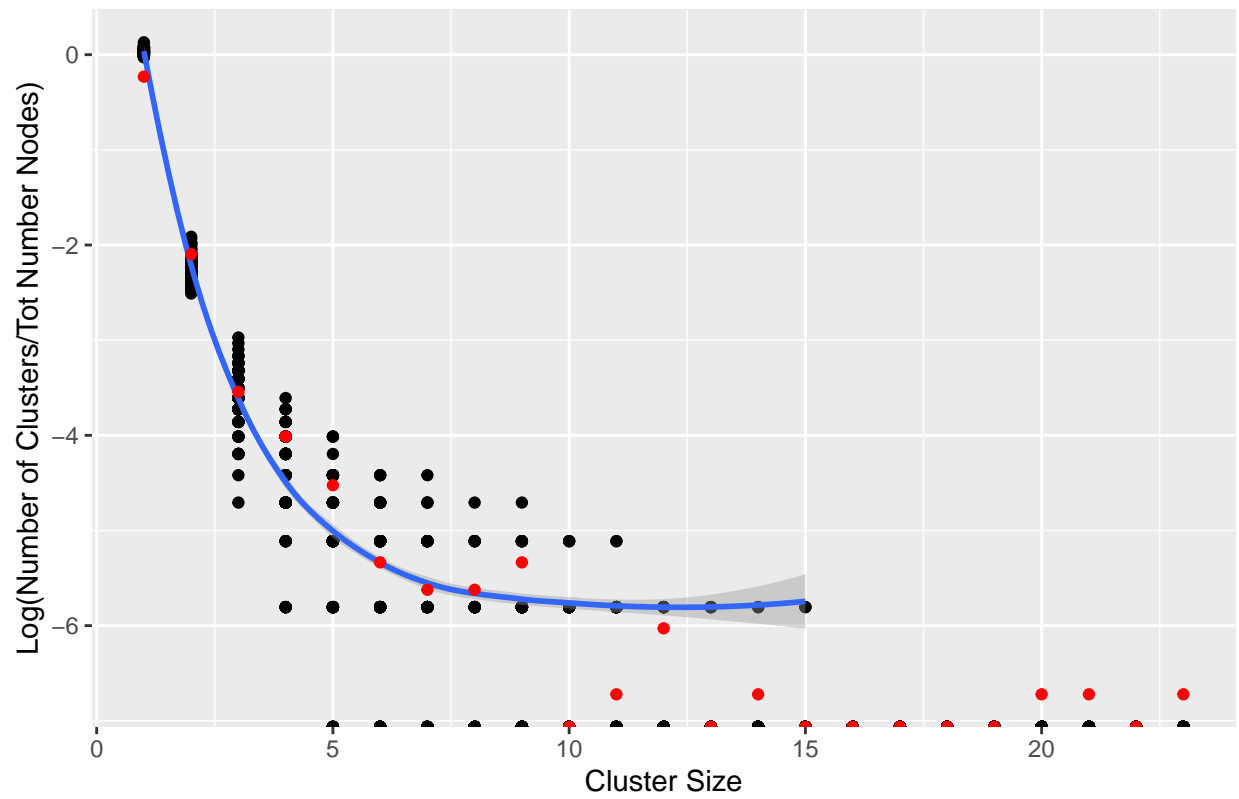
Log of Standardized Component Dist for 0.5 vs True Dist



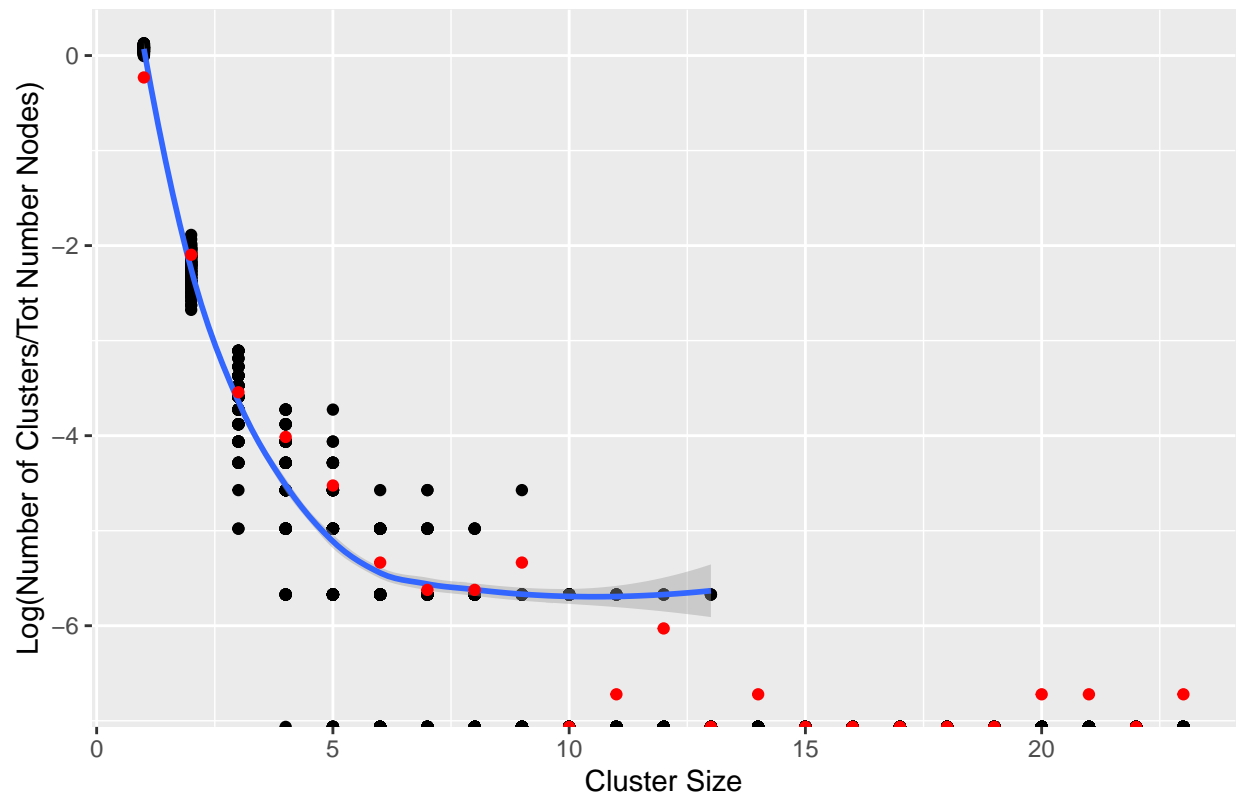
Log of Standardized Component Dist for 0.45 vs True Dist



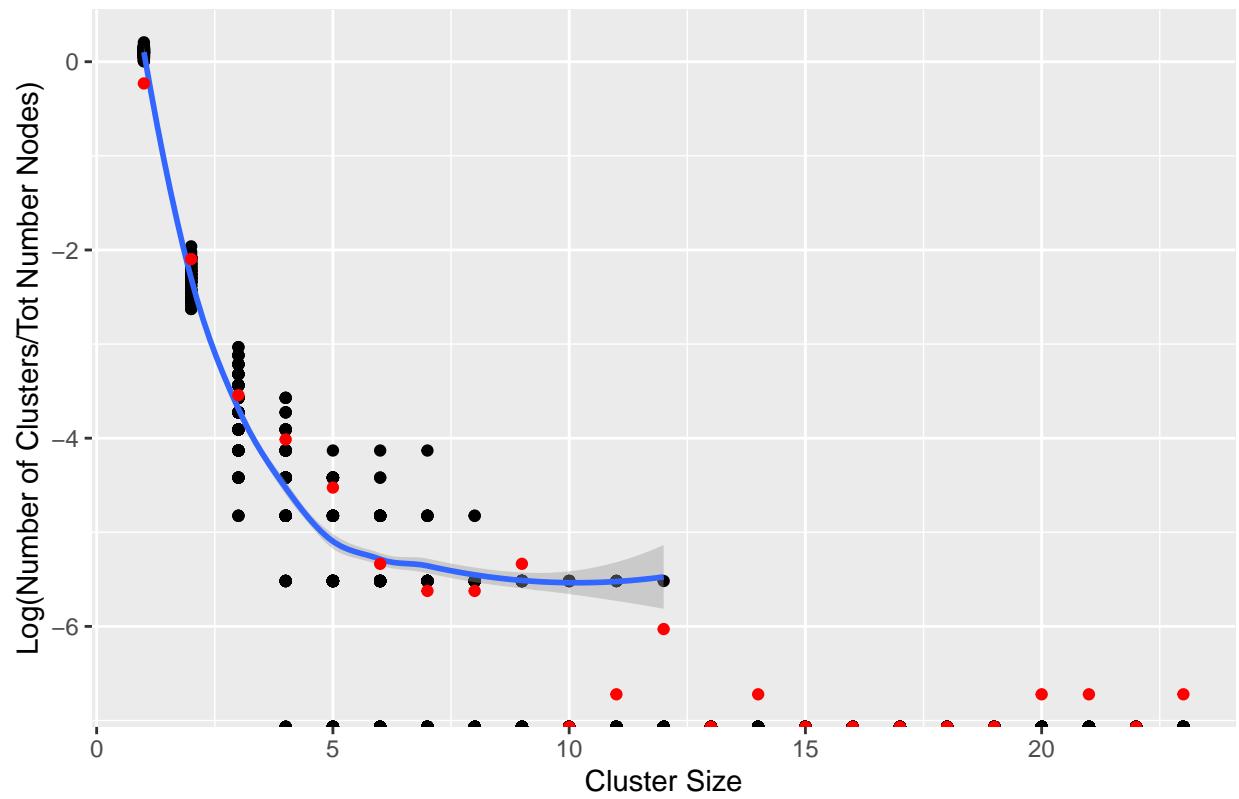
Log of Standardized Component Dist for 0.4 vs True Dist



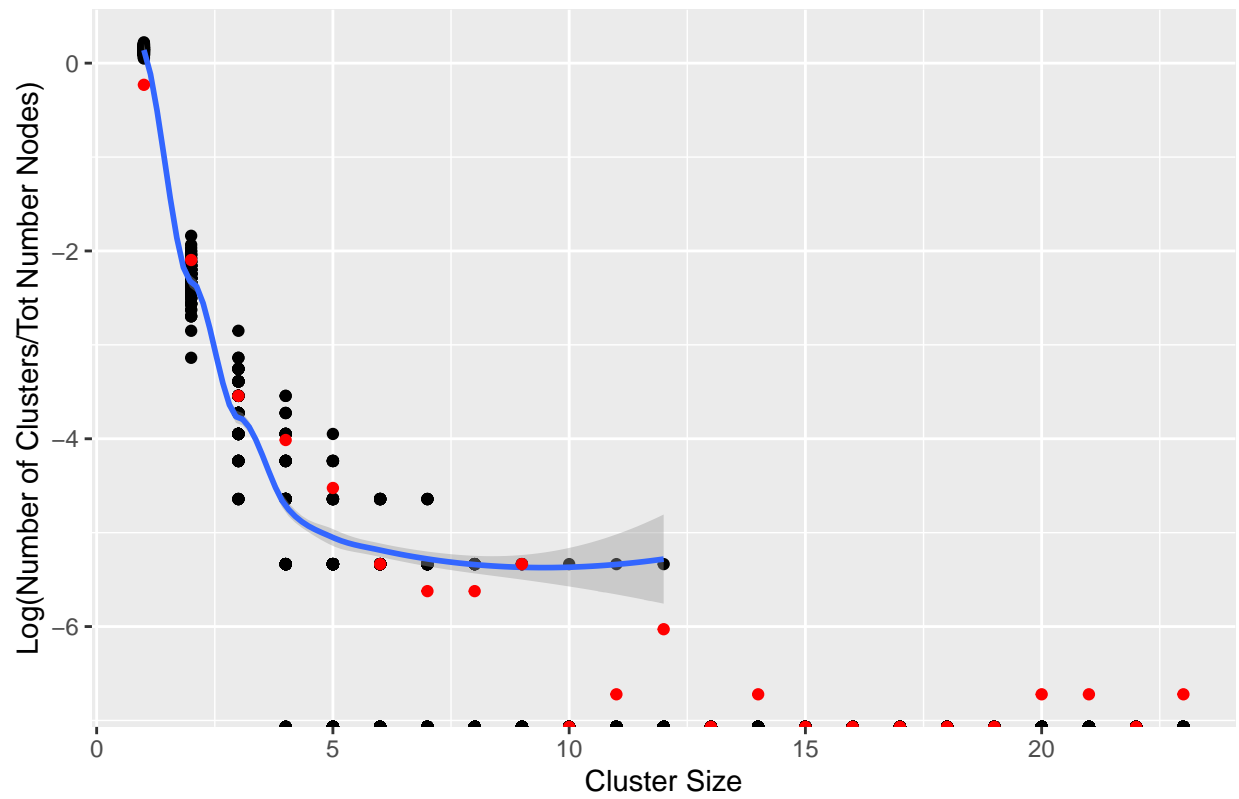
Log of Standardized Component Dist for 0.35 vs True Dist



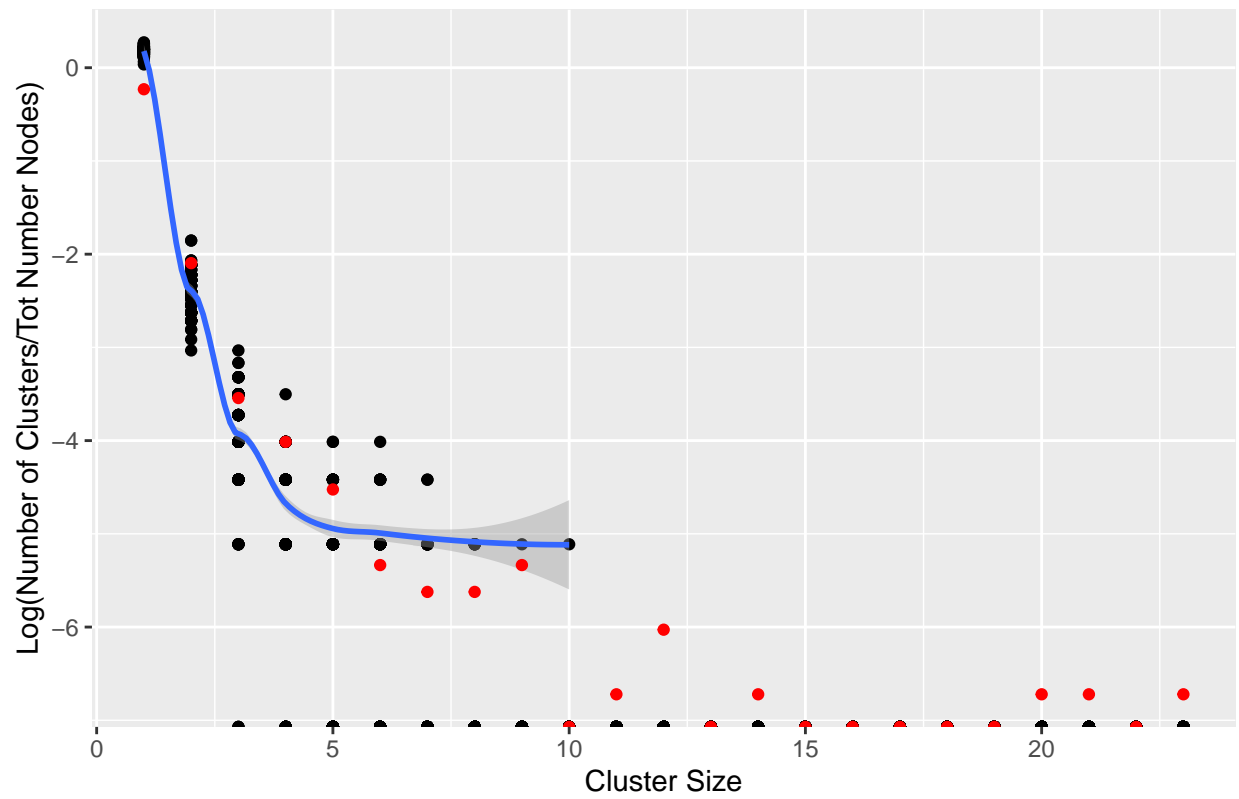
Log of Standardized Component Dist for 0.3 vs True Dist

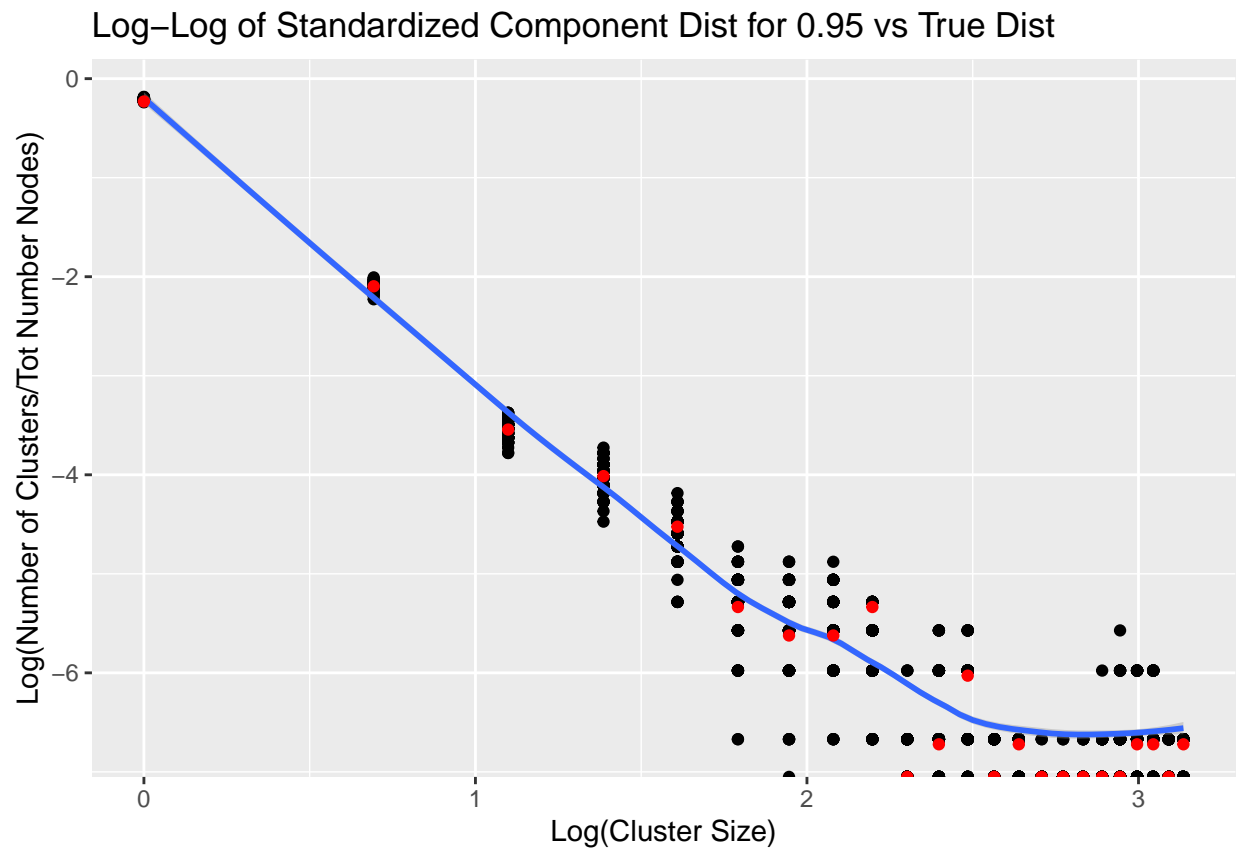


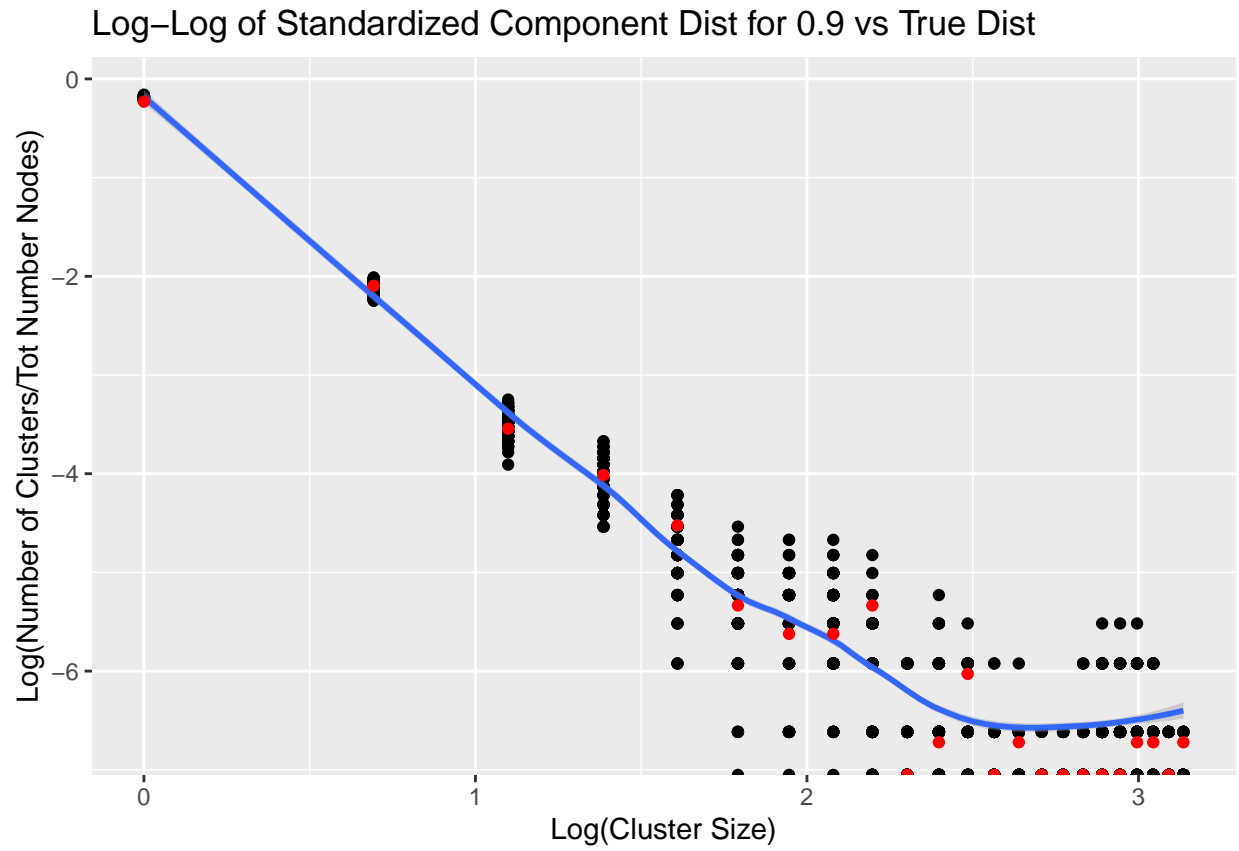
Log of Standardized Component Dist for 0.25 vs True Dist

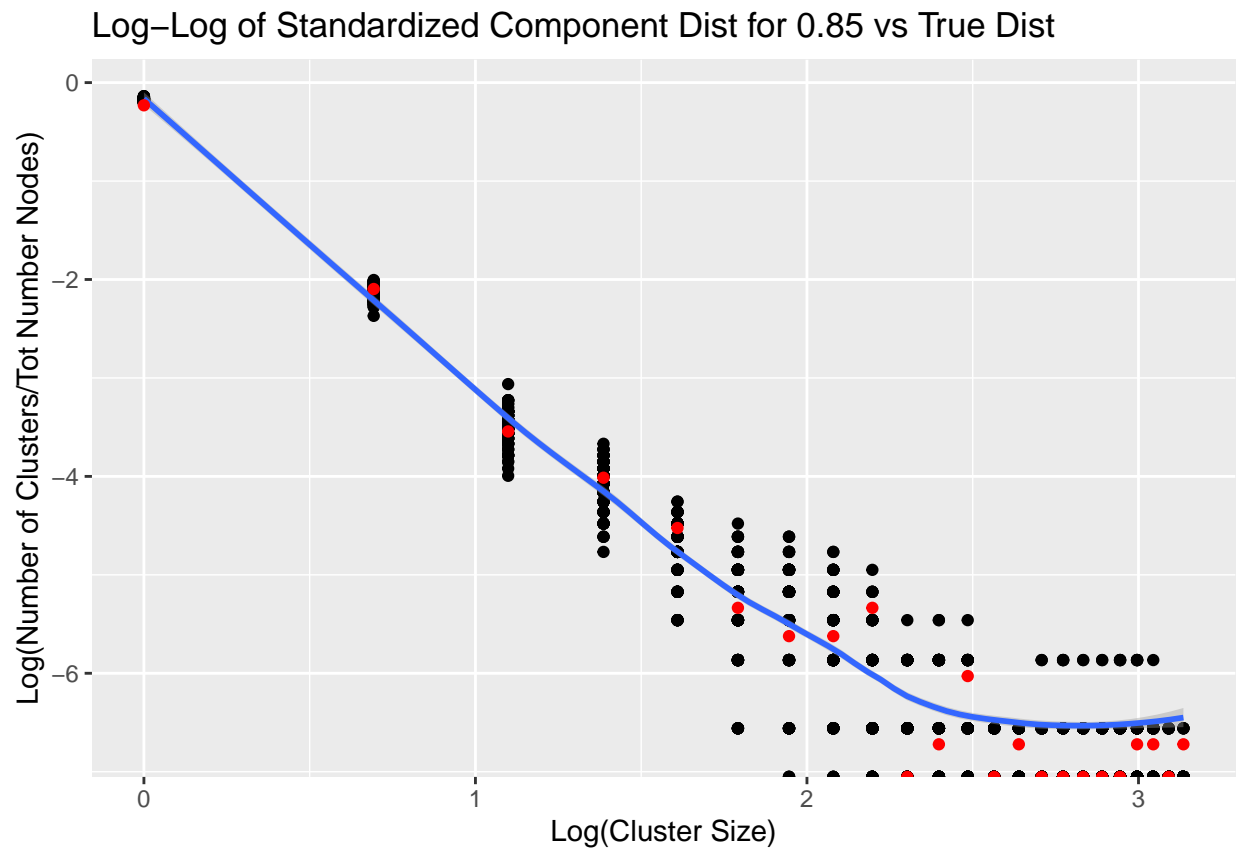


Log of Standardized Component Dist for 0.2 vs True Dist

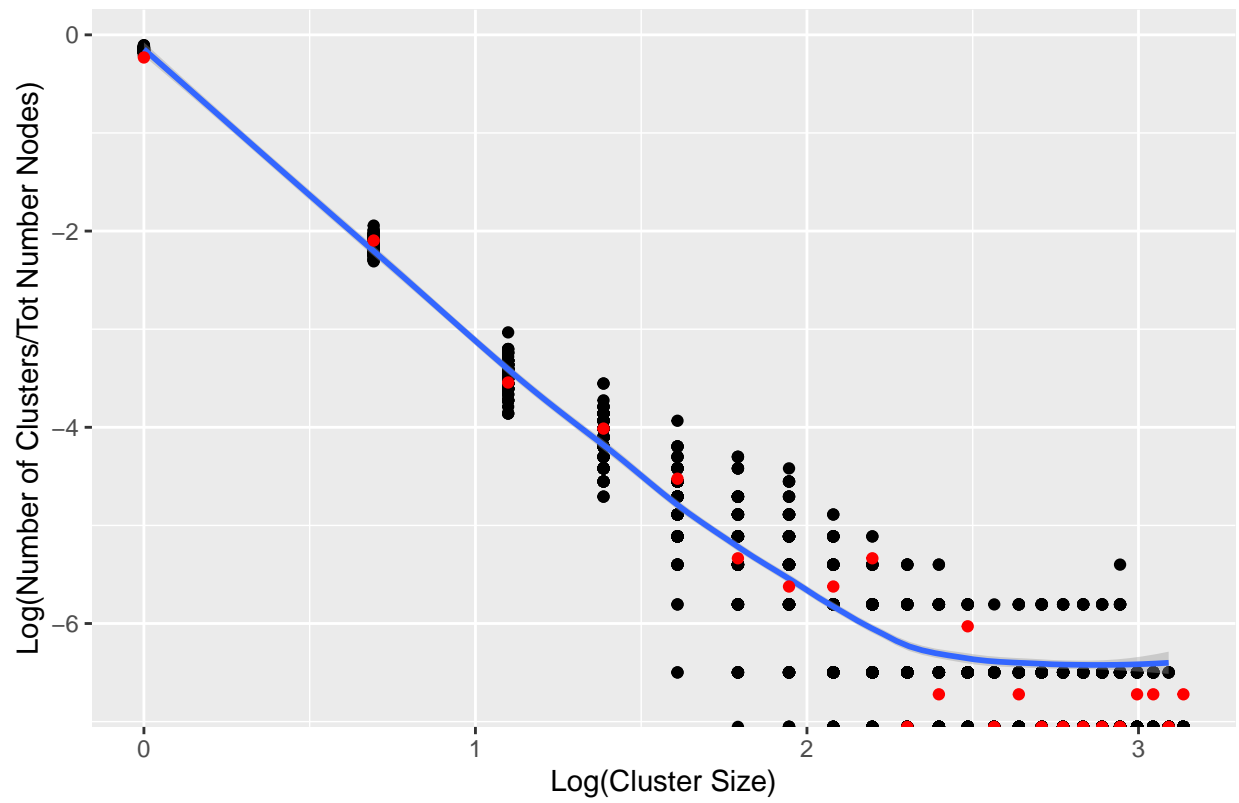




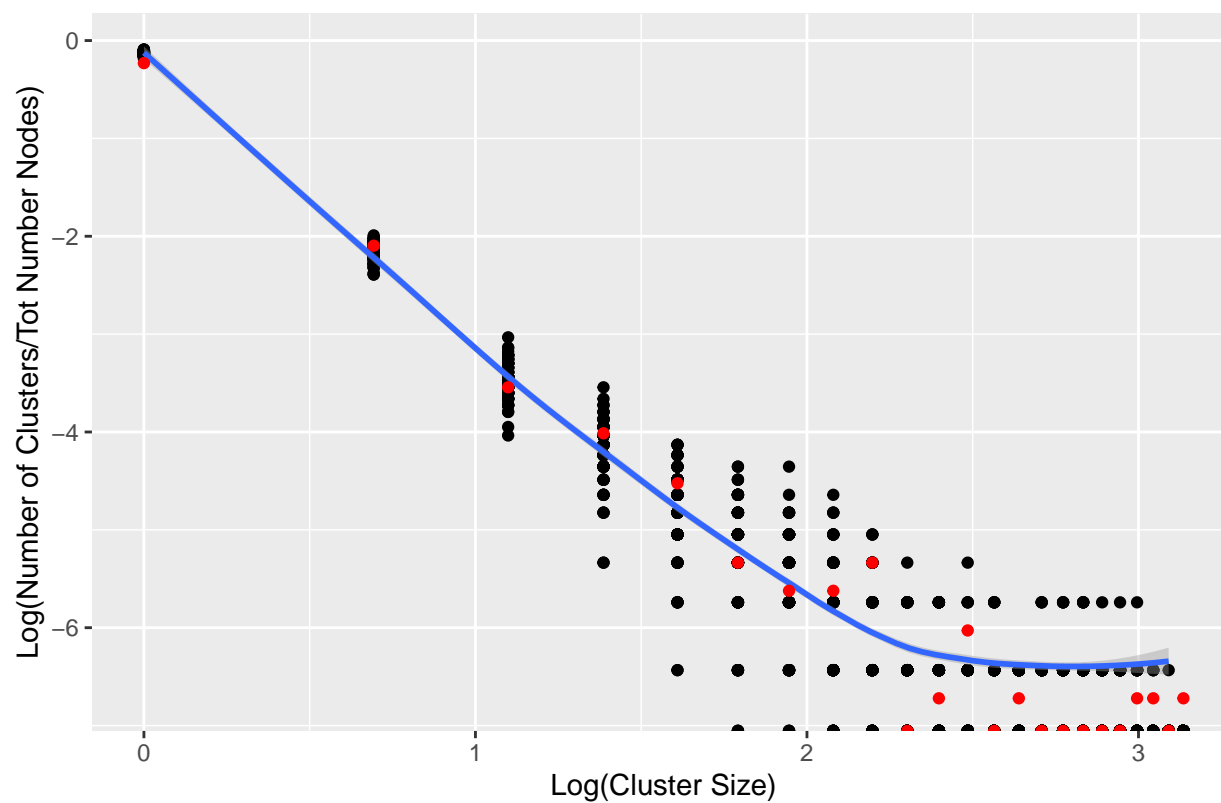




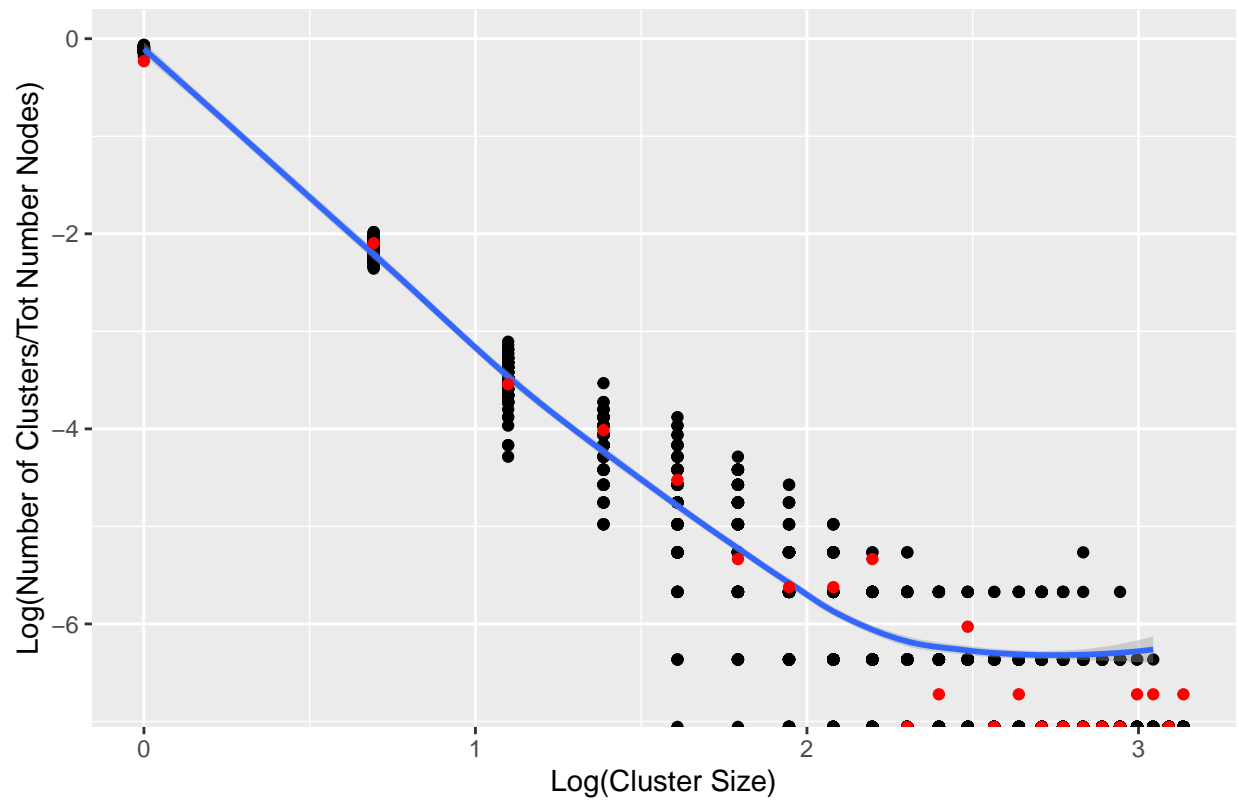
Log-Log of Standardized Component Dist for 0.8 vs True Dist



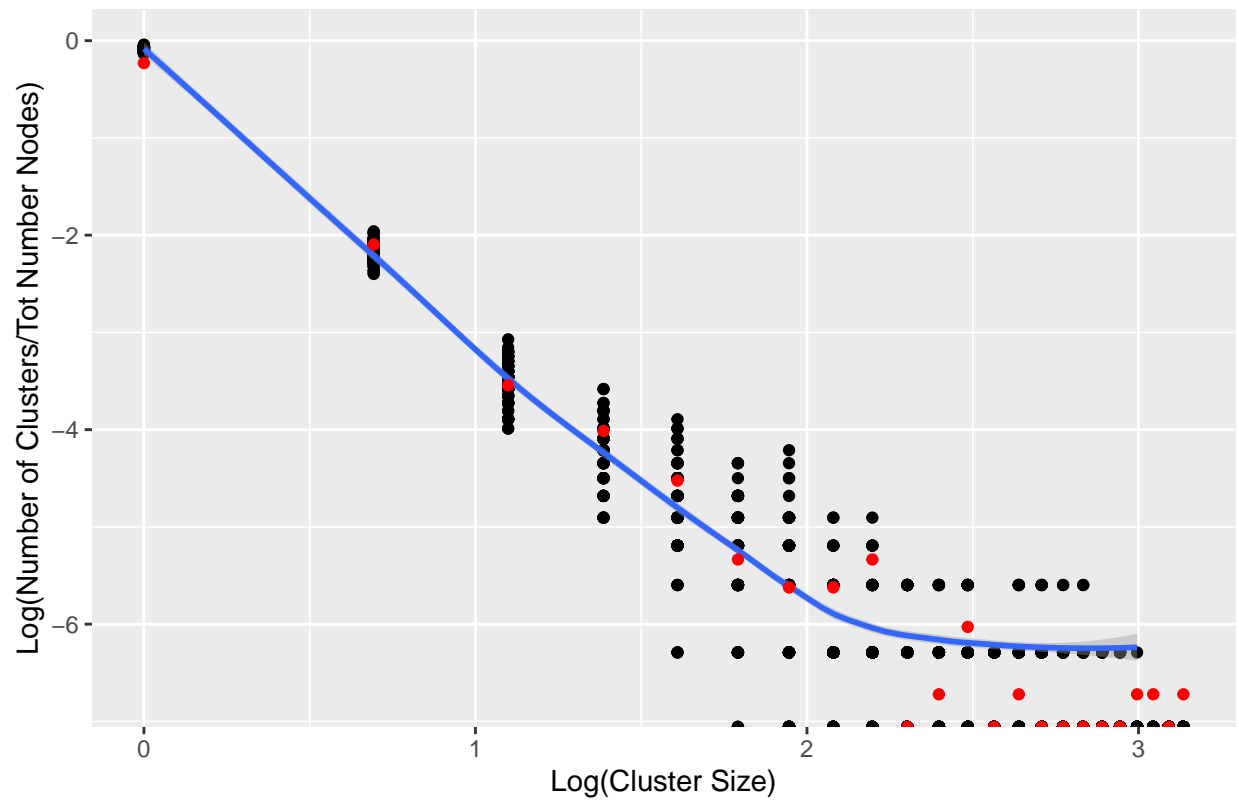
Log-Log of Standardized Component Dist for 0.75 vs True Dist



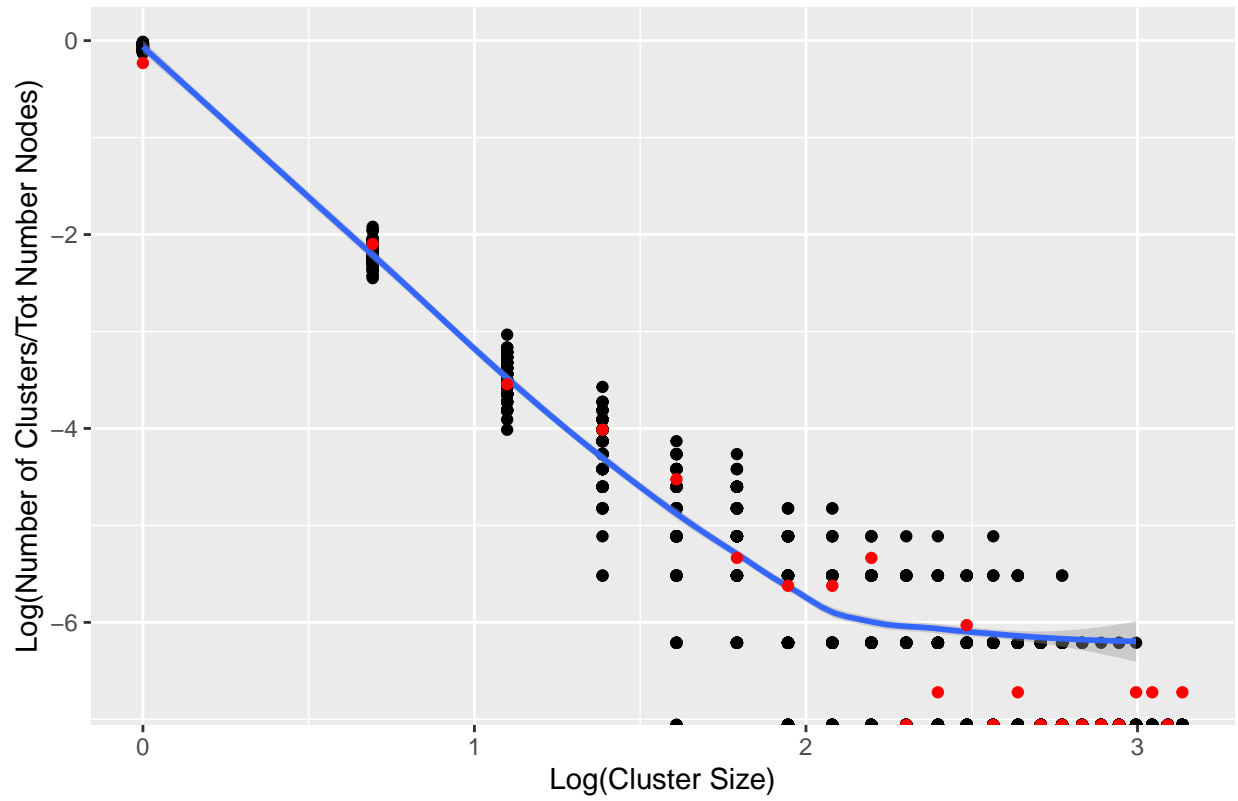
Log-Log of Standardized Component Dist for 0.7 vs True Dist

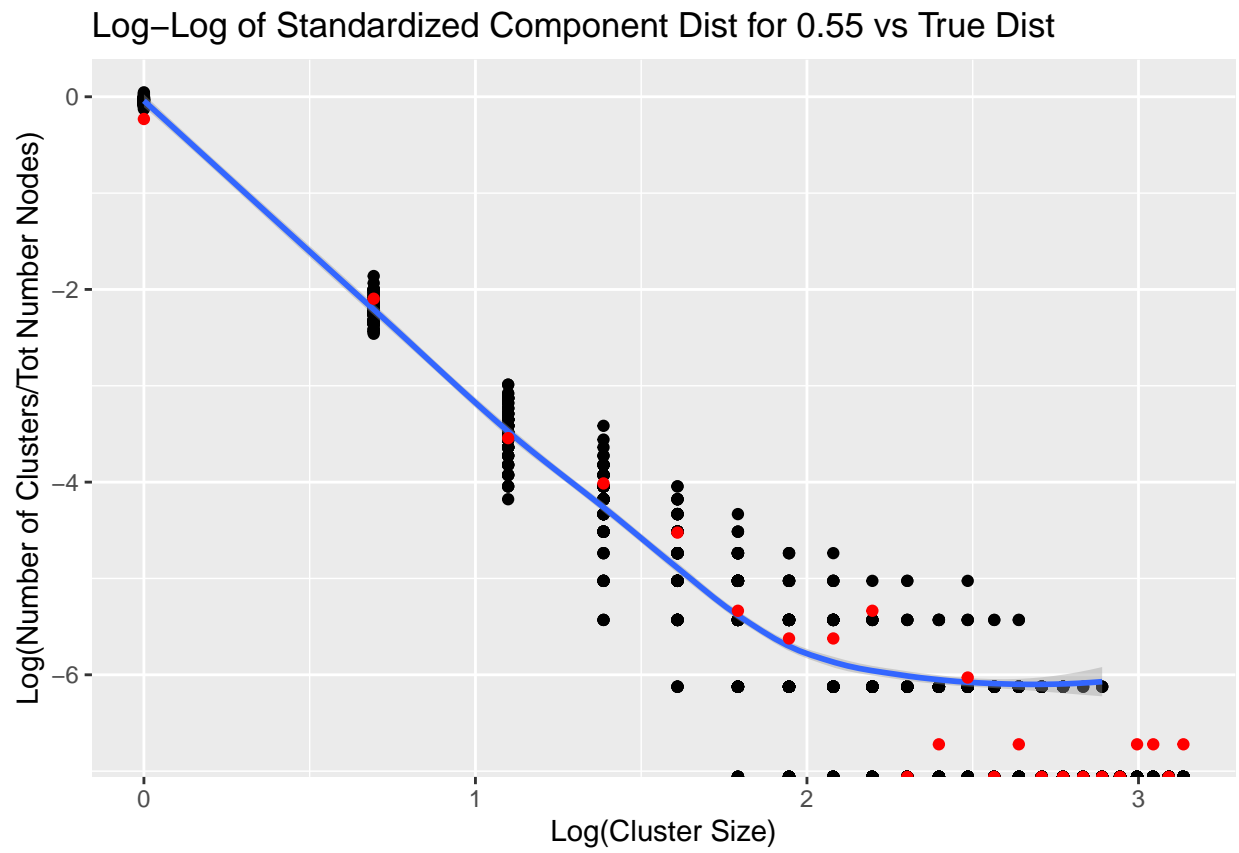


Log-Log of Standardized Component Dist for 0.65 vs True Dist

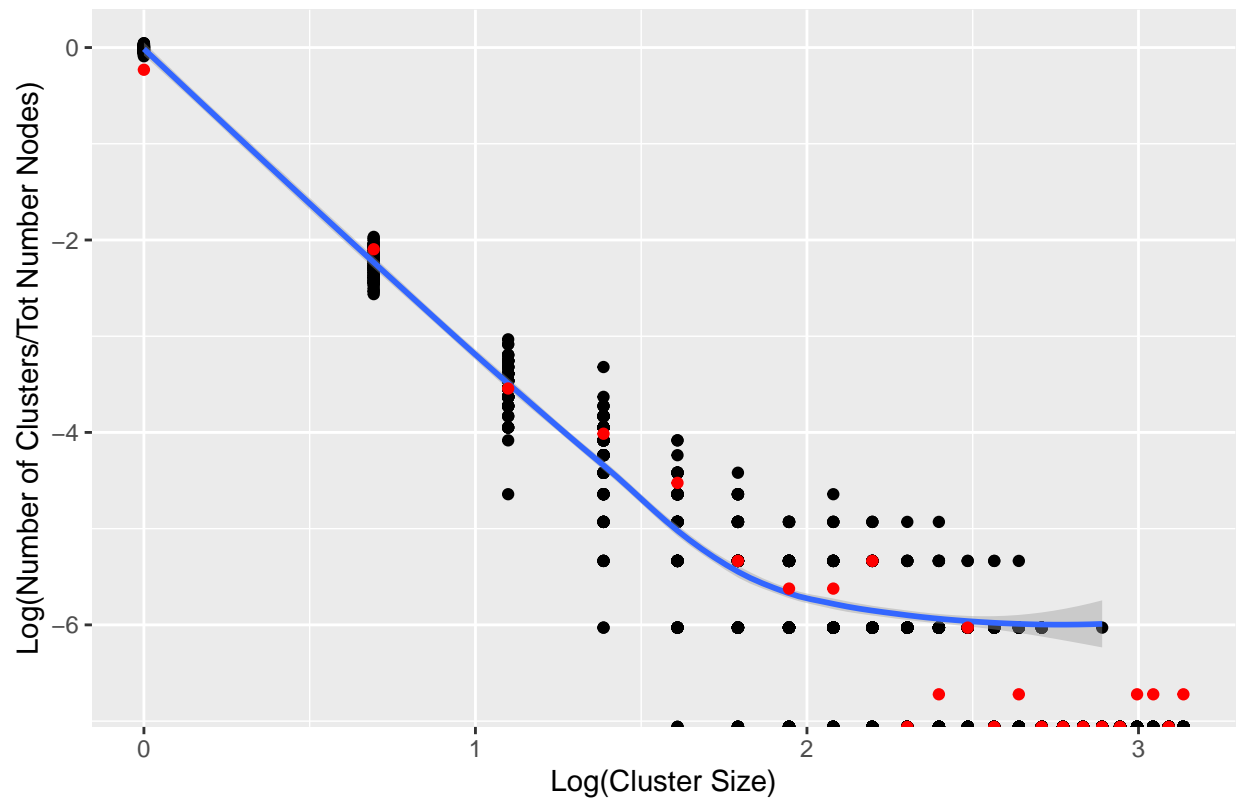


Log-Log of Standardized Component Dist for 0.6 vs True Dist

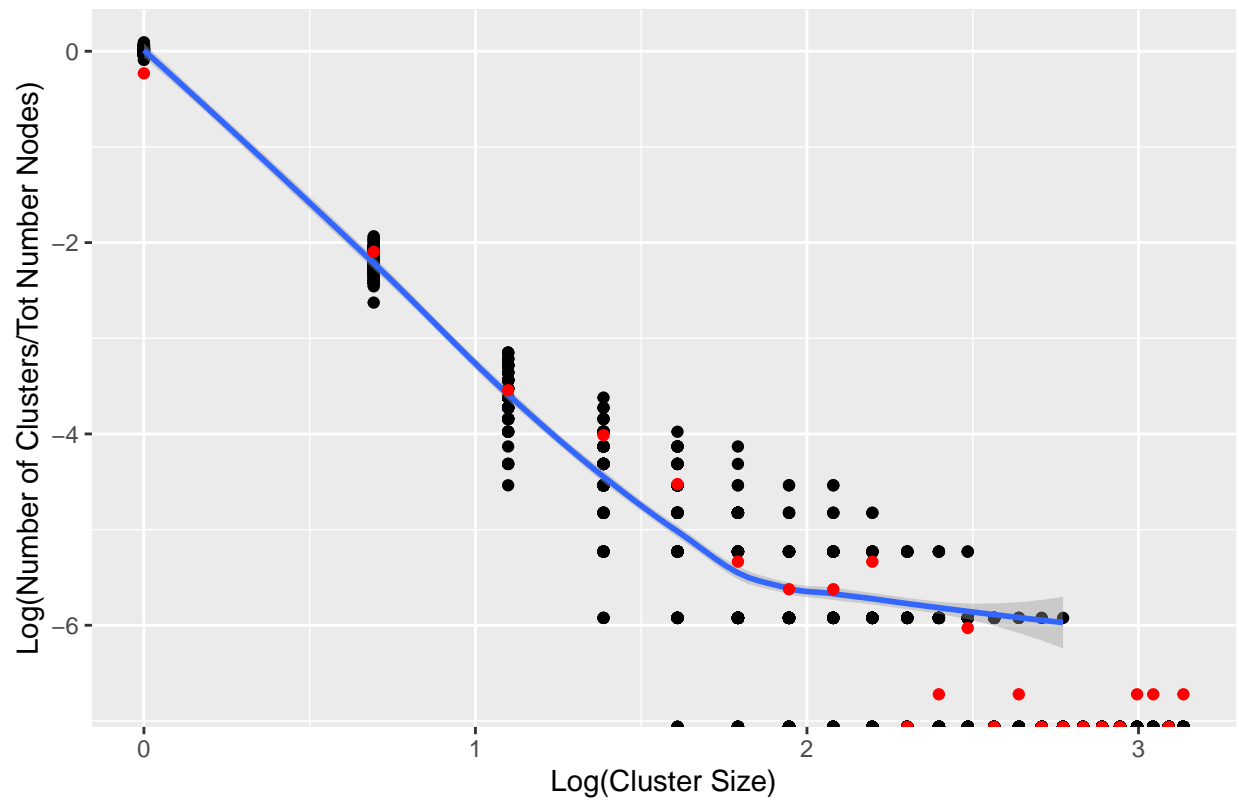




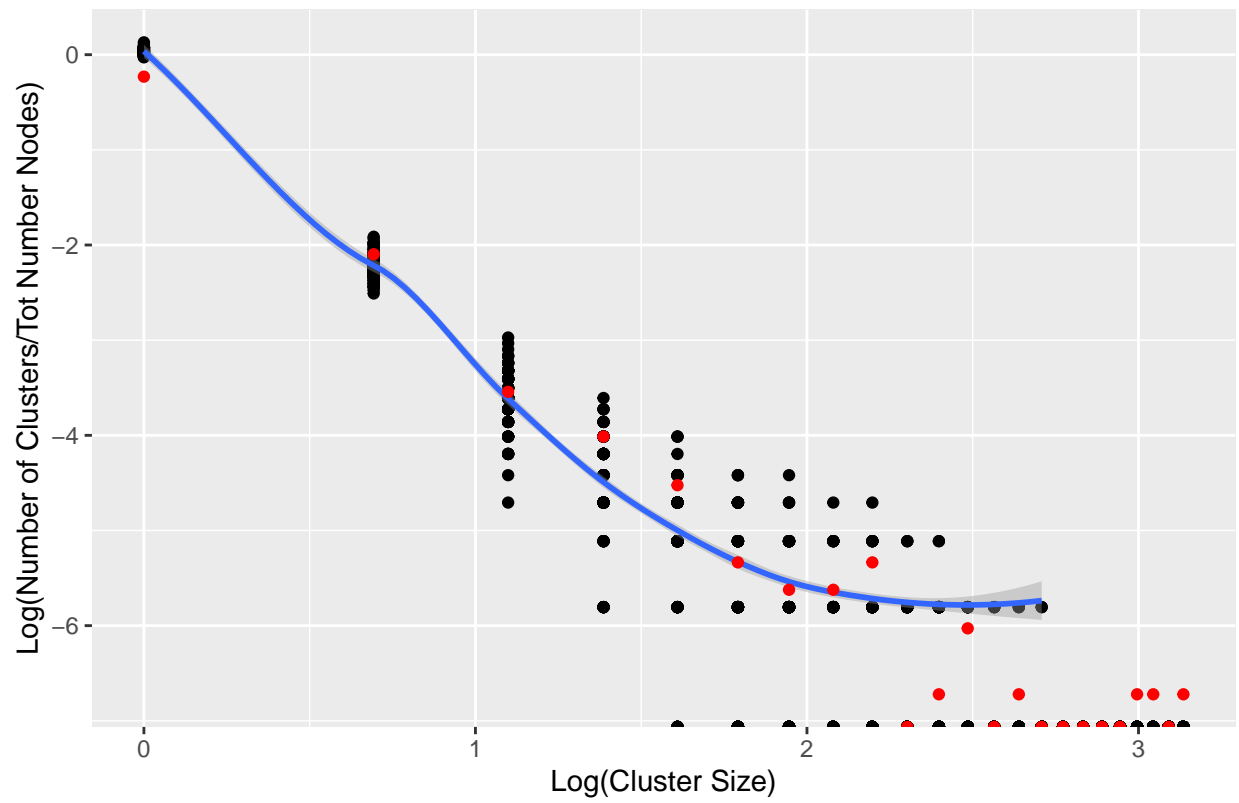
Log-Log of Standardized Component Dist for 0.5 vs True Dist



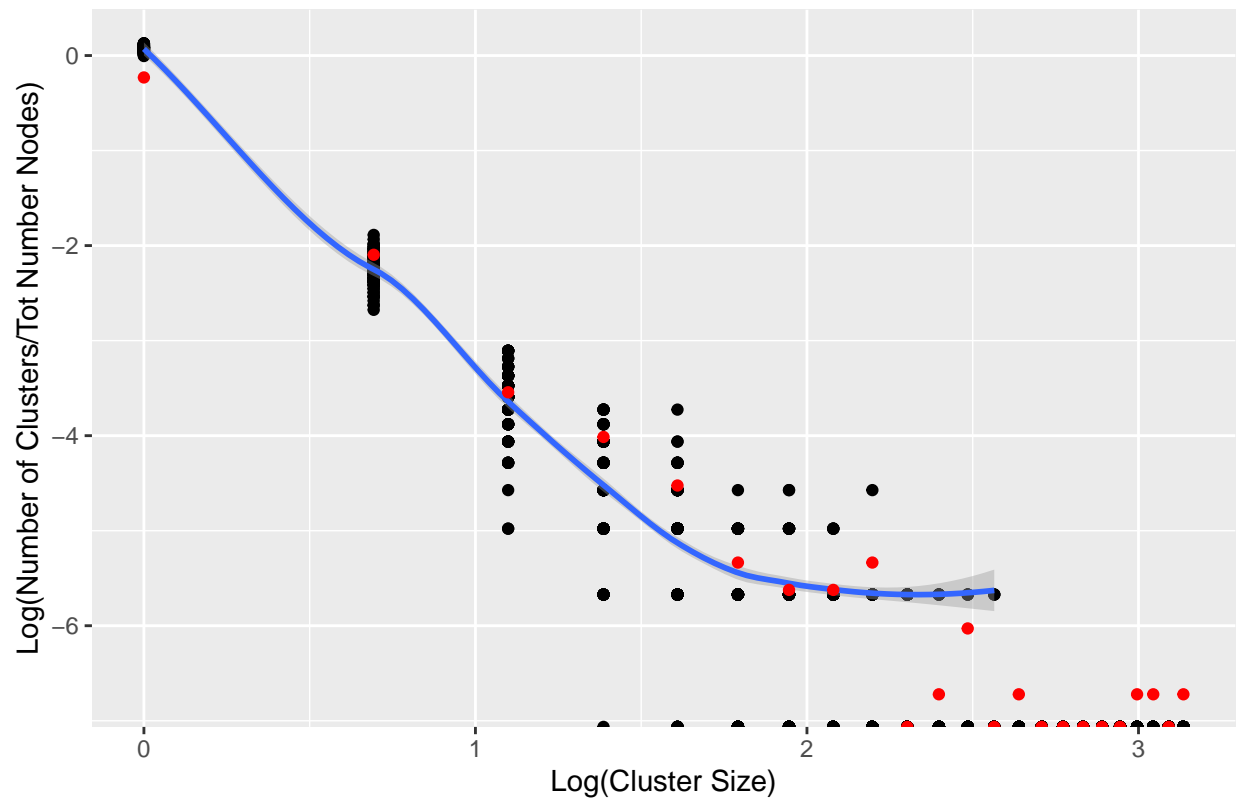
Log-Log of Standardized Component Dist for 0.45 vs True Dist



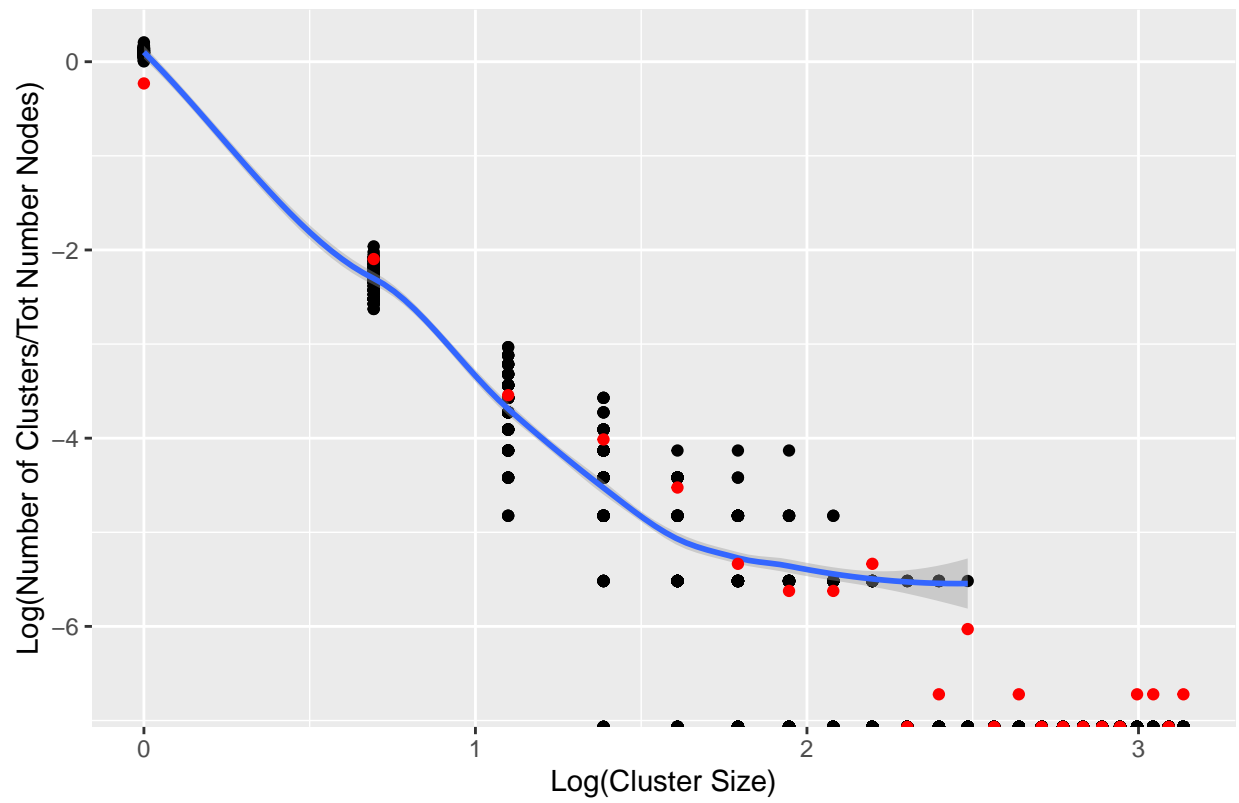
Log-Log of Standardized Component Dist for 0.4 vs True Dist



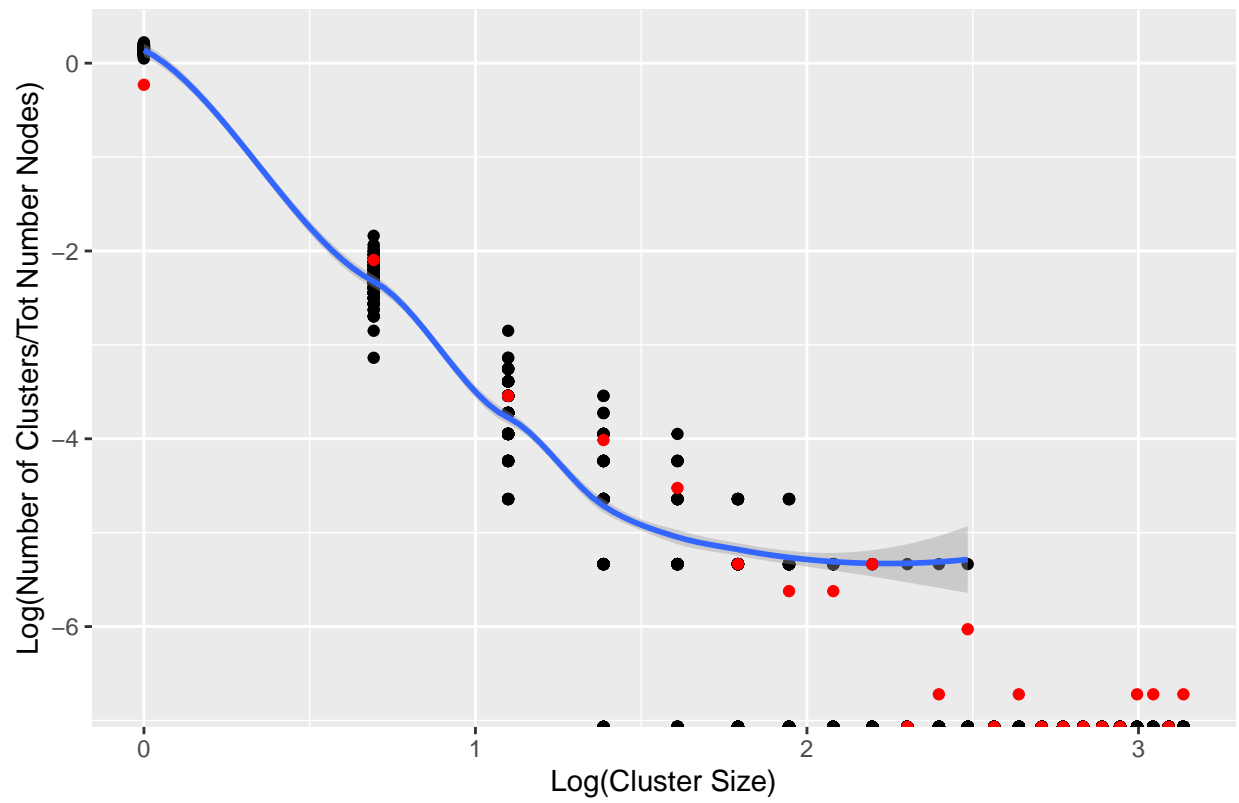
Log-Log of Standardized Component Dist for 0.35 vs True Dist



Log-Log of Standardized Component Dist for 0.3 vs True Dist



Log-Log of Standardized Component Dist for 0.25 vs True Dist



Log-Log of Standardized Component Dist for 0.2 vs True Dist

