Estimation of p-value for edges for signal subgraph

Calculate probability of an edge

Binary / Categorical

Weighted

Non-Parametric

 GLMs

Machine Learning

Parametric (P)

Non-Parametric (NP)

P

NP

Whole Graph

Signal Subgraph

 χ^2 Fisher's Exact Test

ANOVA

Kruskal-Wallis Test (1-pval) Weight edges Multinomial Distribution (Multicat) Bernoulli
Distribution
(Binary)

Multinomial Distribution Pois/Norm/Ex