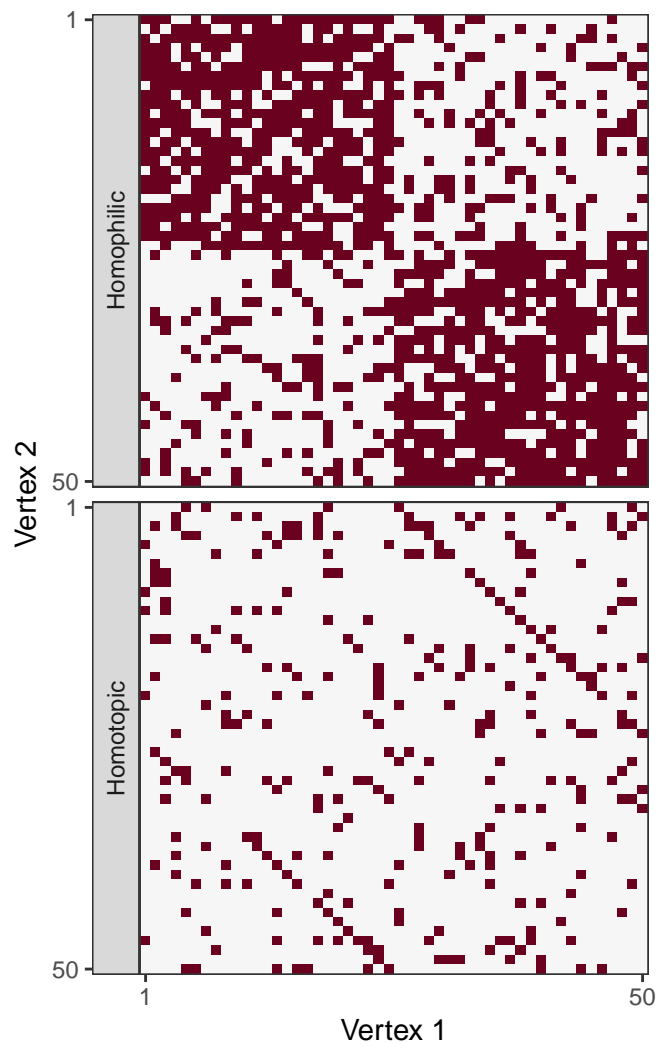
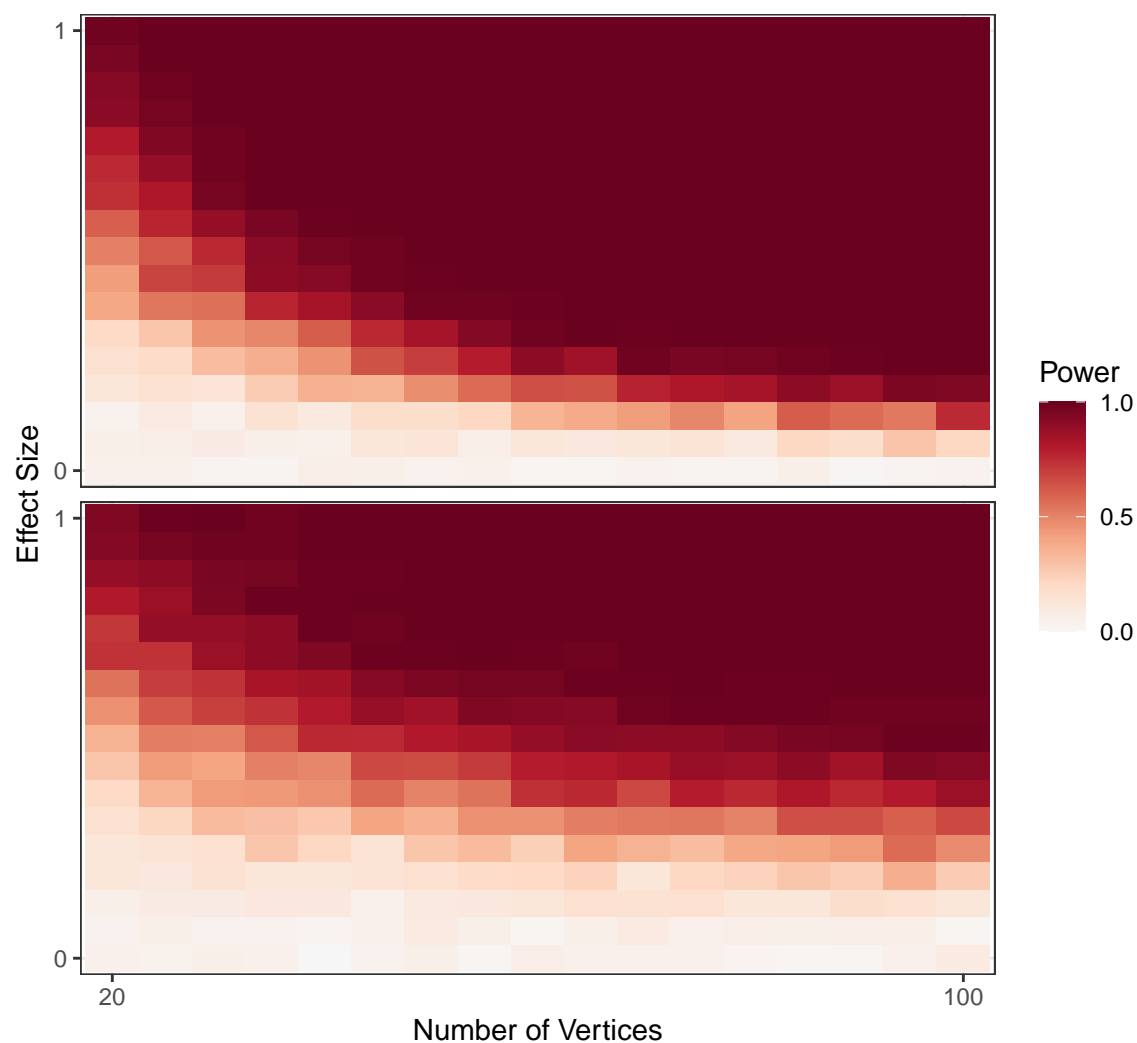


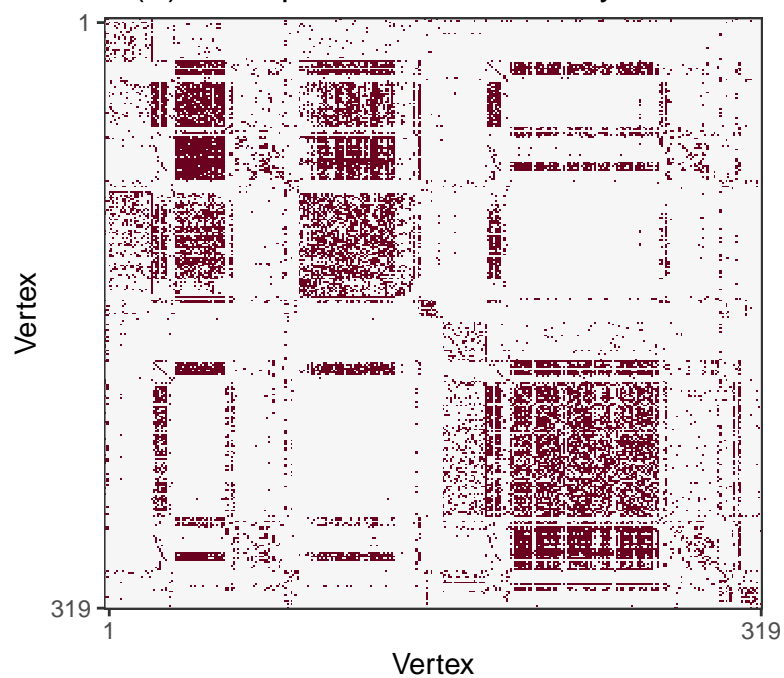
I.(A) Simulations



I.(B) Power Maps



II.(A) Drosophila Mushroom Body



II.(B) Homophilic, p-value=0

Edge Community

	No Edge	Edge	Marginal
Within Hem.	73.9%	26.1%	n=50588
Between Hem.	93.6%	6.4%	n=52453
Marginal	n=86475	n=16566	n=103041

Proportion

1.0

0.5

0.0

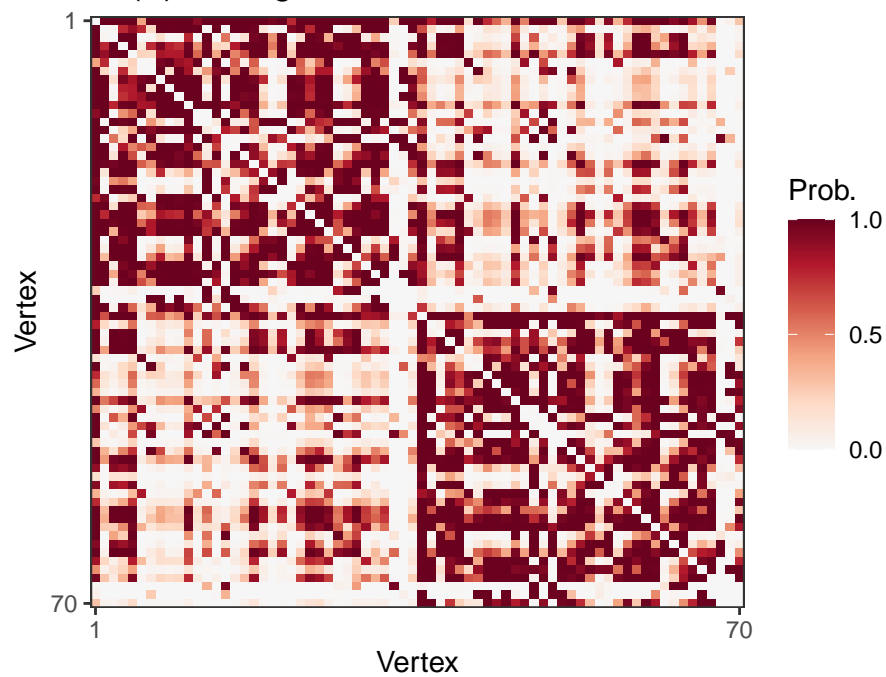
II.(C) Homotopic, p-value=0

Edge Community

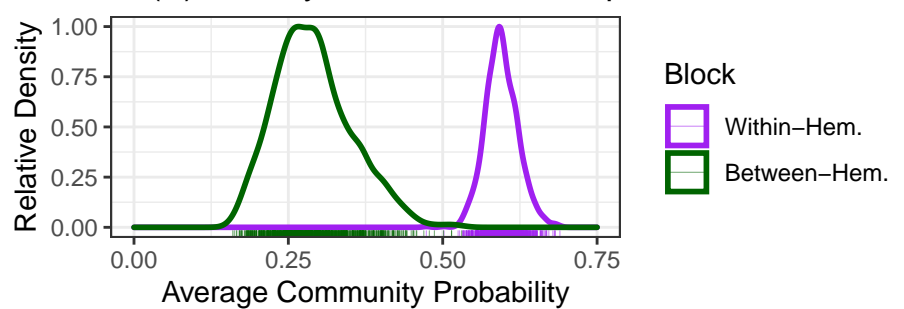
	No Edge	Edge	Marginal
Homotopic	51.7%	48.3%	n=3290
Heterotopic	85.0%	15.0%	n=99751
Marginal	n=86475	n=16566	n=103041

II.(C) Homotopic, p-value=0

III.(A) Average dMRI Connectome, N=1059



III.(B) Density Estimate of Homophilic Communities



III.(C) Density Estimate of Effect Size

