

Linear Model Simulations

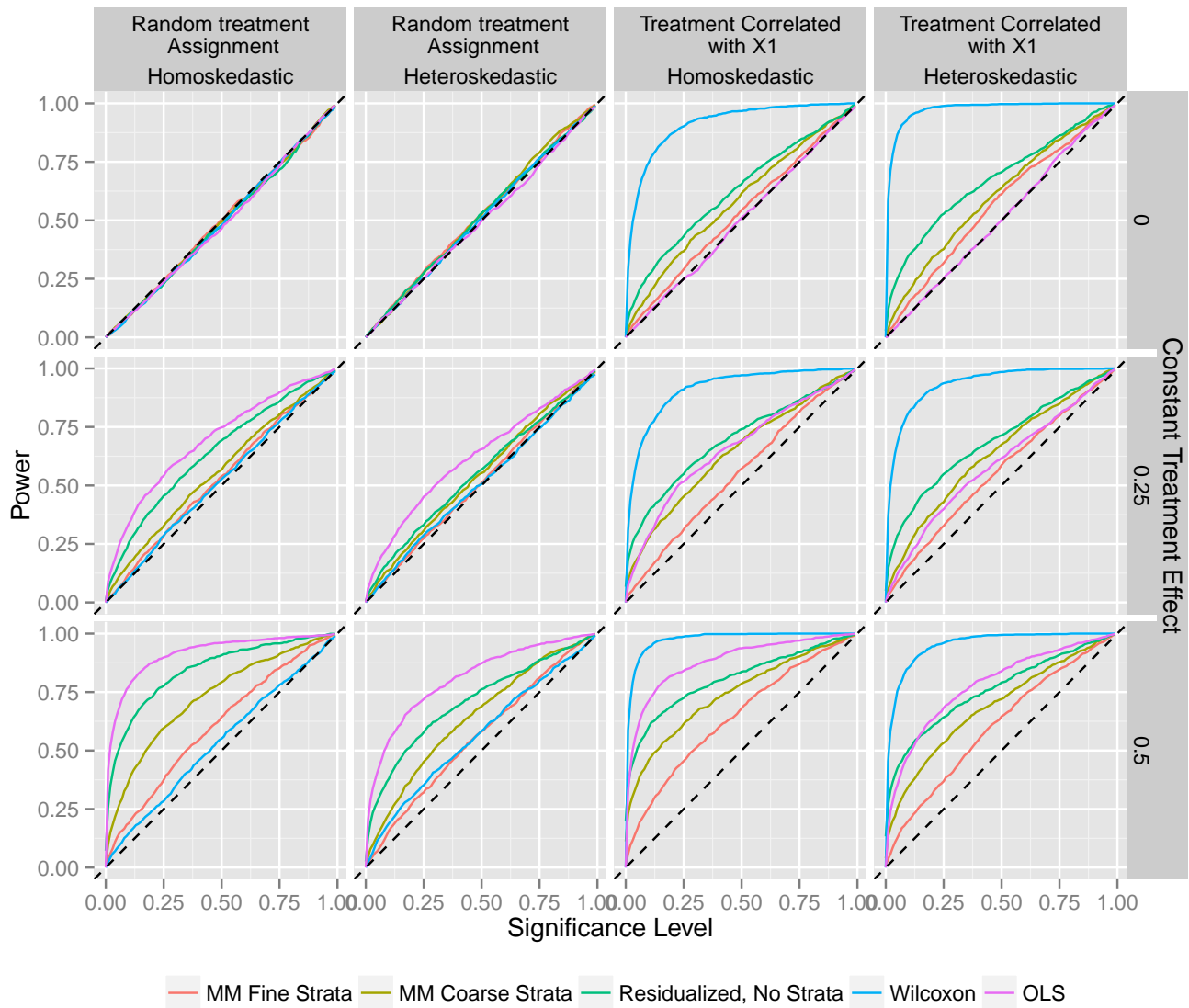
Kellie Ottoboni

May 10, 2016

1 Hypothesis Testing

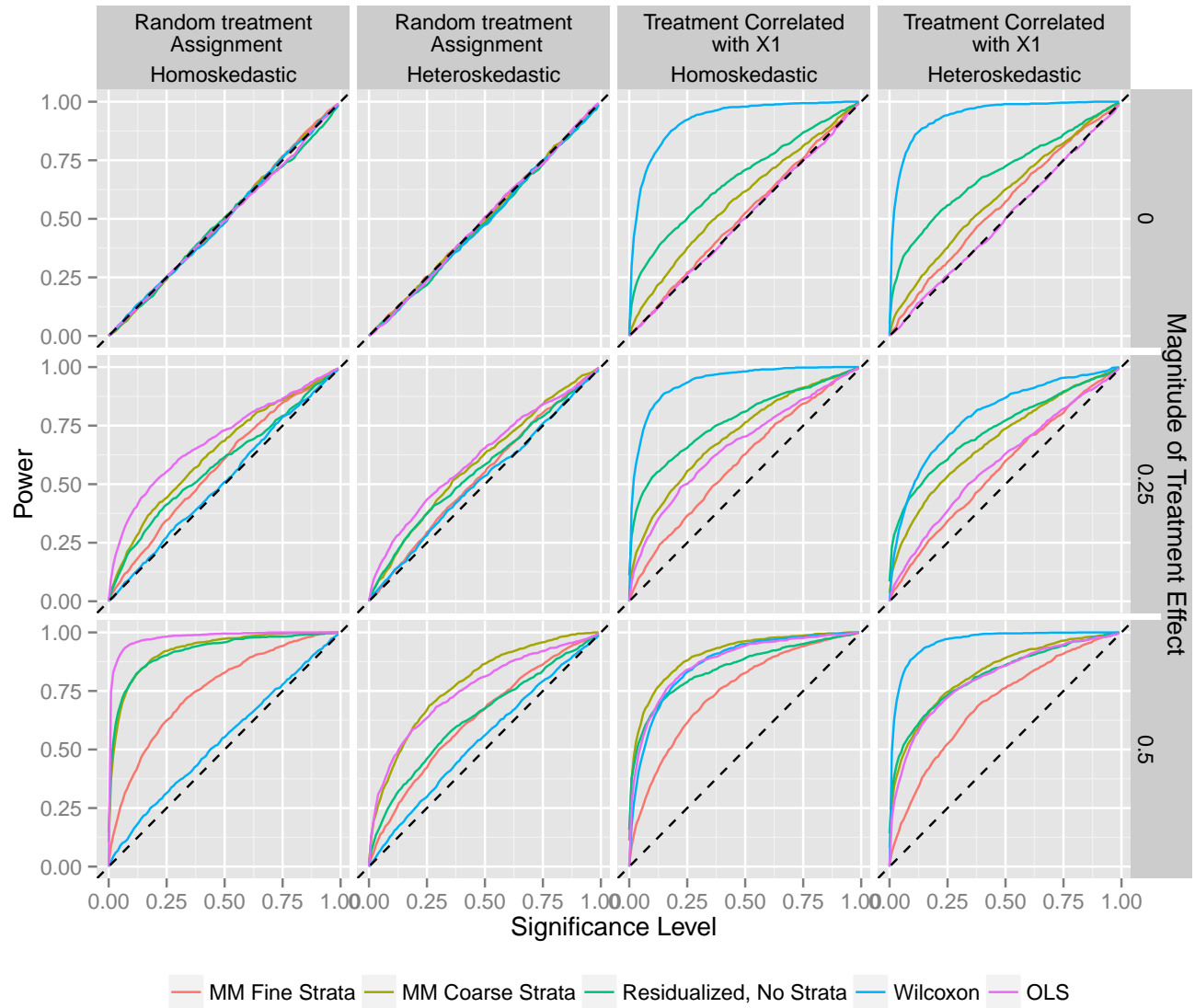
We compare the power of stratified permutation tests using model-based matching with different numbers of strata to the t-test from OLS and the Wilcoxon rank sum test.

1.1 Constant Treatment Effects



	Random treatment Assignment_Homoskedastic	Random treatment Assignment_Heteroskedastic
MM Fine Strata	0.043	
MM Coarse Strata	0.050	
Residualized, No Strata	0.045	
Wilcoxon	0.038	
OLS	0.048	

1.2 Heterogeneous Treatment Effects



	Random treatment Assignment_Homoskedastic	Random treatment Assignment_Heteroskedastic
MM Fine Strata	0.044	
MM Coarse Strata	0.048	
Residualized, No Strata	0.043	
Wilcoxon	0.052	
OLS	0.052	