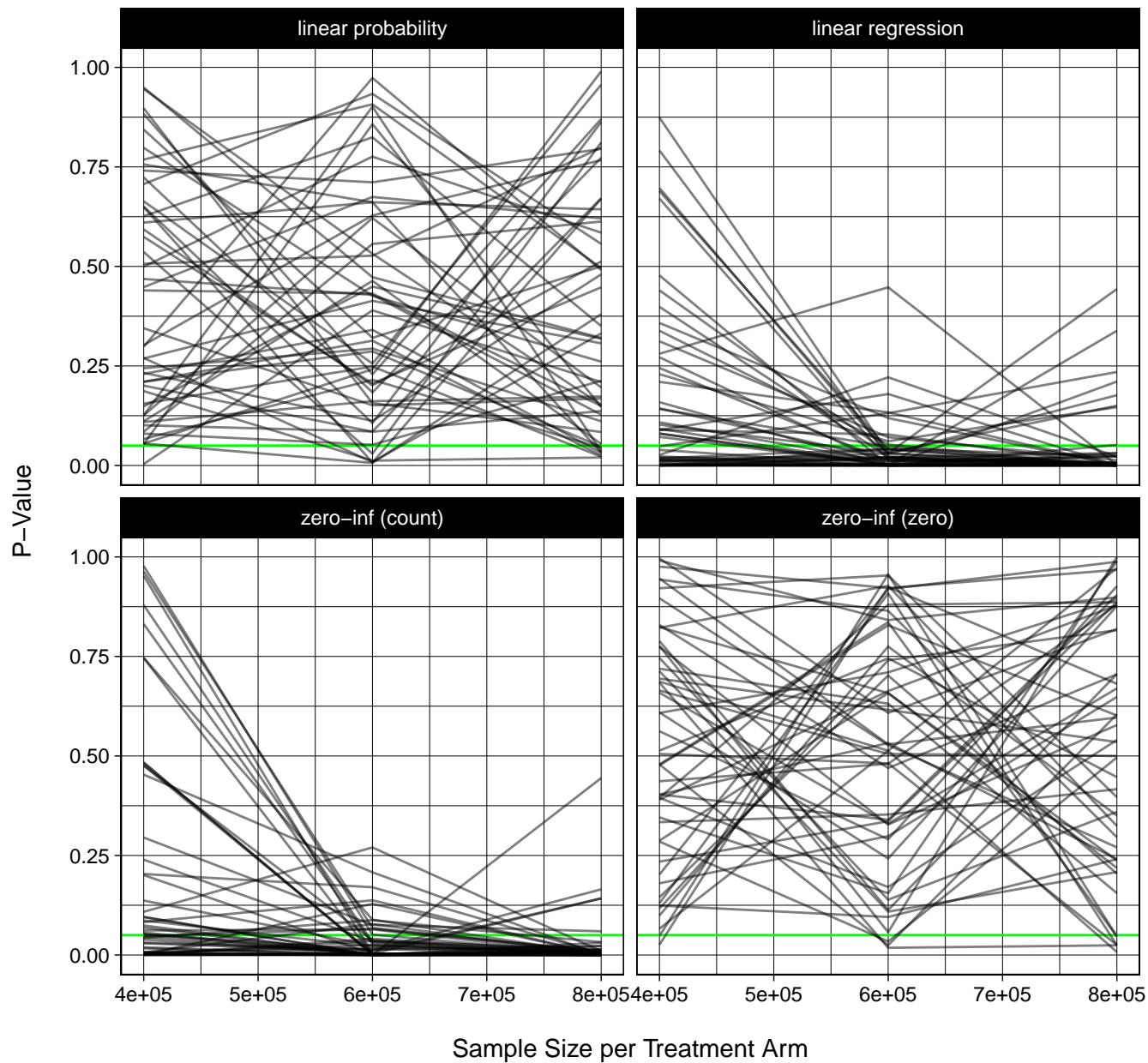


Scenario 2: 3.1% Difference in mean(B) > mean(A)
(50 simulations per observation level)

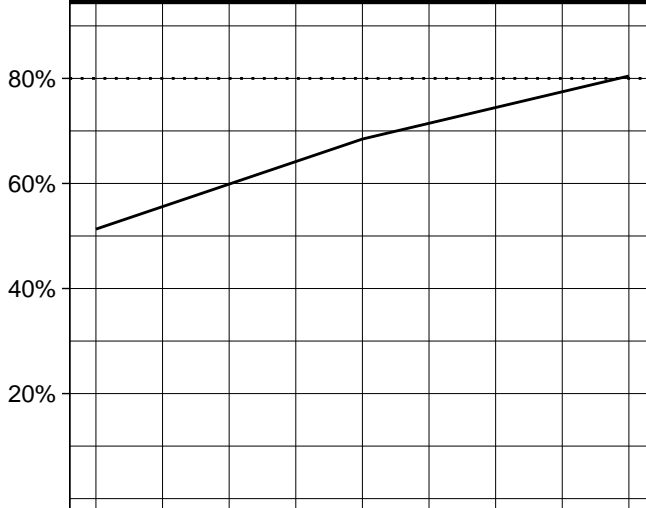


Power of Identifying $A \neq B$ (50 simulations)

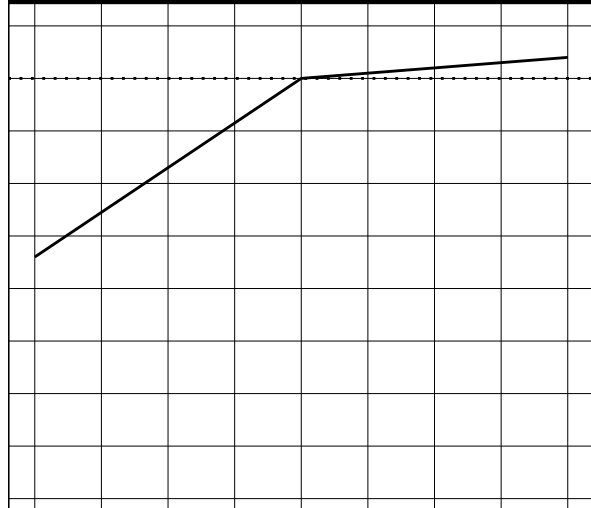
Scenario 2: Treatment causes a relative mean difference of 3.1%

Power (for any difference A vs. B)

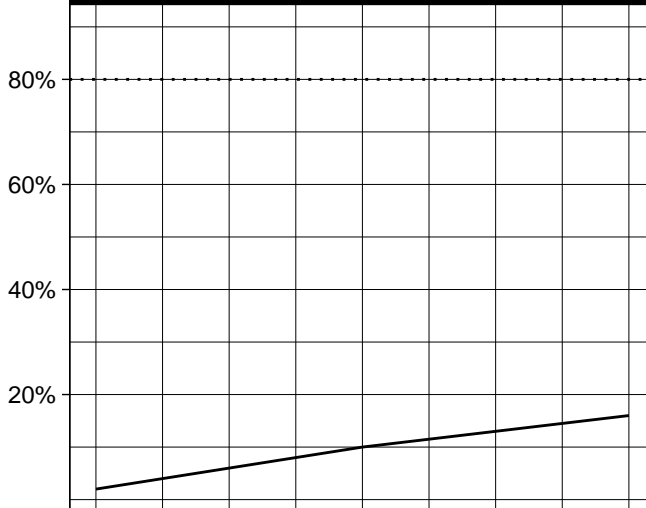
t-test power (not from simulation)



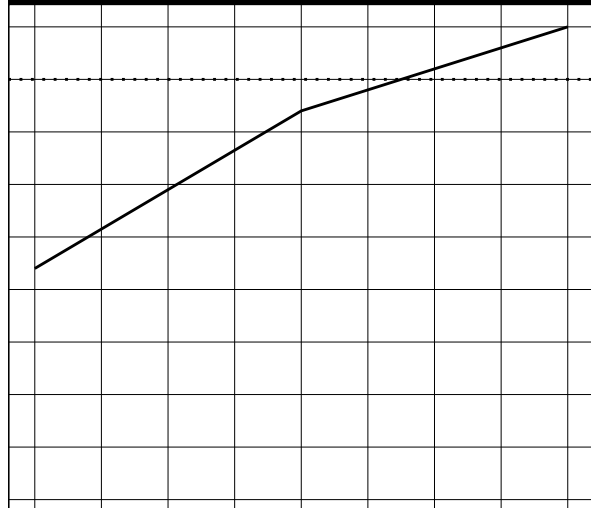
linear regression (original outcome)



linear probability (0, 1 transformed outcome)



zero-inflated negative binomial (count)



Sample Size per Treatment Arm