

Parameters for null fields simulation

parameter	definition	values
num-researchers	number of researchers	100
num-hyps	number of topics	{2, 3}
non-null-effects	number of true effects	{0, 1, 2}
length-memory	number of own studies considered when deciding if changing topic	5
power	power of 1st true effect	{0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 0.95, 1}
power2	power of 2nd true effect	0.8
journal-publication-bias	bias against non-significant results at journal level	{0, ??}
researcher-publication-bias	bias against non-significant results at researcher level	{0, ??}
memory-curve	probability to change topic given number of non-significant own results	{vote-counting, bayesian}
alpha	false positive rate	0.05