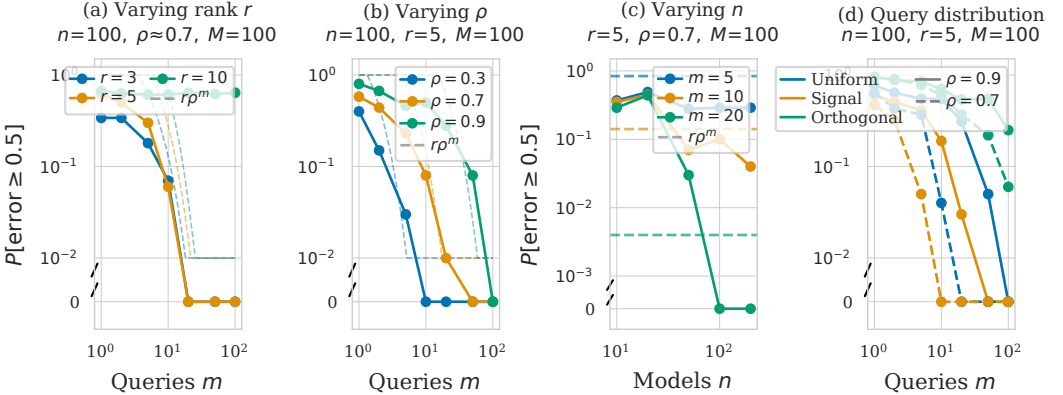
(a) Varying rank $r$
$n$=100, $\rho$≈0.7, $M$=100
(b) Varying $\rho$
$n$=100, $r$=5, $M$=100
(c) Varying $n$
$r$=5, $\rho$=0.7, $M$=100
(d) Query distribution
$n$=100, $r$=5, $M$=100
$P$[error ≥ 0.5]
$r = 3$
$r = 5$
$r = 10$
$r\rho^m$
$\rho = 0.3$
$\rho = 0.7$
$\rho = 0.9$
$m = 5$
$m = 10$
$m = 20$
Uniform
Signal
Orthogonal
Queries $m$
Models $n$