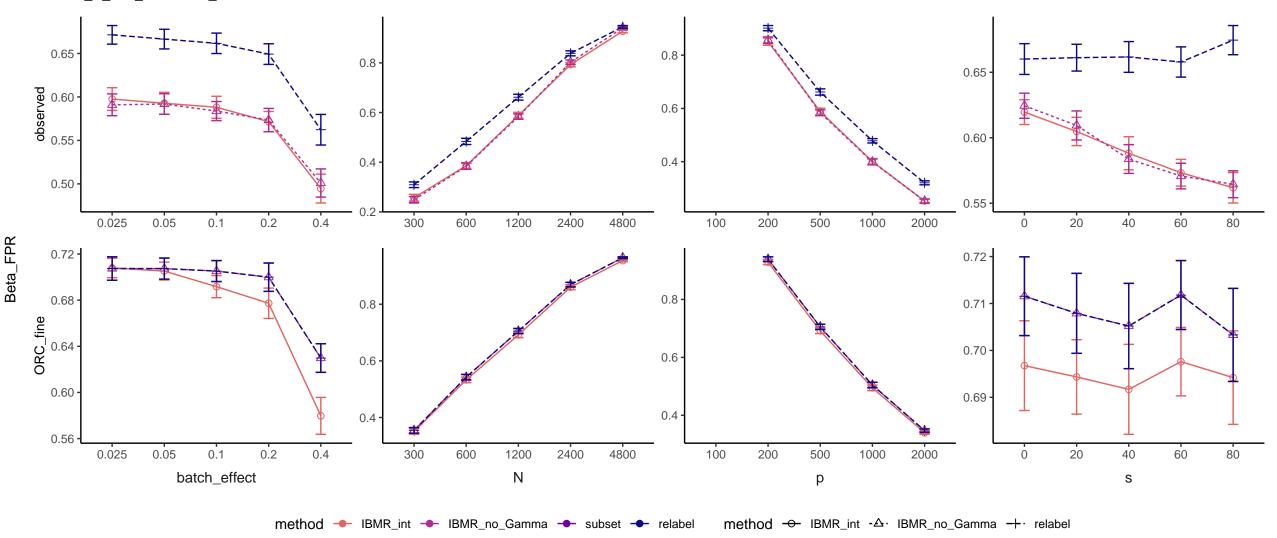
random\_X\_and\_structured\_Beta

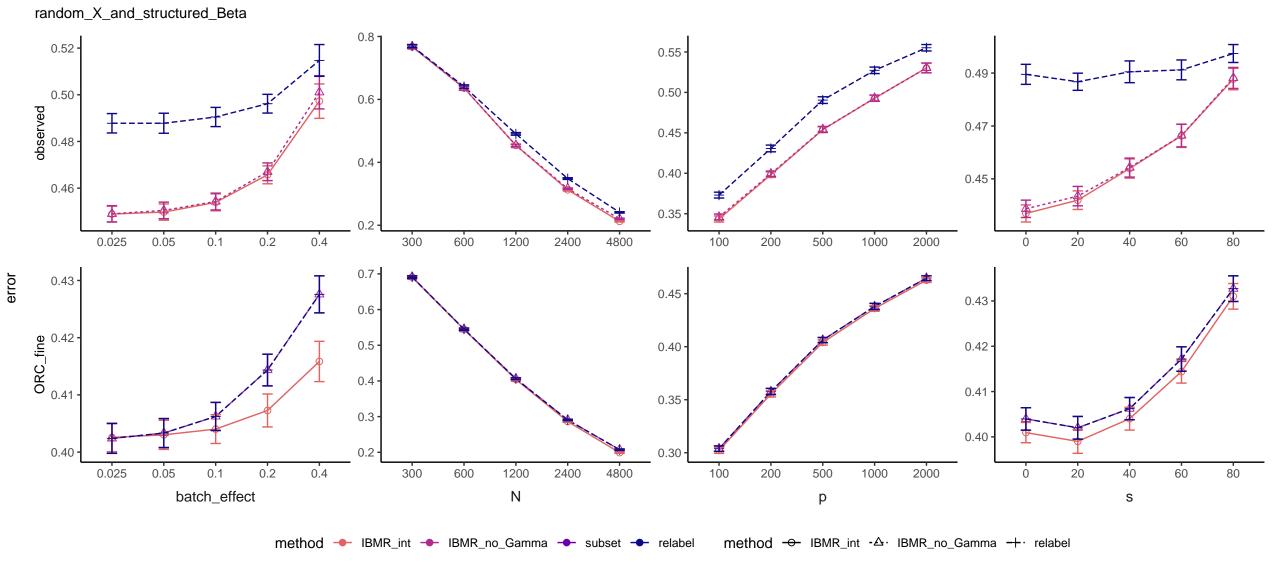


random\_X\_and\_structured\_Beta opserved 3700 0.025 0.05 0.1 0.2 0.4 3750 -ORC\_fine 0.025 0.05 0.4 0.1 0.2 batch\_effect Ν р S

Beta\_SSE

method → IBMR\_int → IBMR\_no\_Gamma → subset → relabel method → IBMR\_int -△ IBMR\_no\_Gamma → relabel

random\_X\_and\_structured\_Beta 0.999 -1.0 1.000 0.9975 0.995 0.996 0.9 observed 0.993 0.990 0.9950 0.8 0.985 0.9925 0.990 0.980 0.7 0.9900 0.975 0.987 -0.2 300 0.025 0.05 0.1 0.4 600 1200 2400 4800 100 200 500 1000 2000 60 80 20 Beta\_TPR 1.00 -1.000 -1.000 -0.95 0.999 -0.998 ORC\_fine 0.995 0.90 0.996 0.85 0.997 0.990 0.994 0.80 -0.996 -0.992 300 100 0.025 1200 0.05 0.2 0.4 600 4800 200 500 2000 0.1 2400 1000 20 40 60 80 0 batch\_effect Ν р S method → IBMR\_int -△· IBMR\_no\_Gamma → relabel → IBMR\_int → IBMR\_no\_Gamma → subset → relabel method



random\_X\_and\_structured\_Beta 12 20 -11 observed 10 -0.025 300 1200 2000 0.2 0.4 600 2400 4800 100 200 500 1000 0.05 0.1 7.5 10 -9.0 7.4 15 -8.5 ORC\_fine 7.3 7.2 10 7.1 7.5 7.0 7.0 0.4 100 300 1200 0.025 0.2 600 2400 4800 200 500 2000 0.05 1000 20 40 80

KL\_divergence

batch\_effect

method → IBMR\_int → IBMR\_no\_Gamma → subset → relabel method → IBMR\_int -△ IBMR\_no\_Gamma → relabel