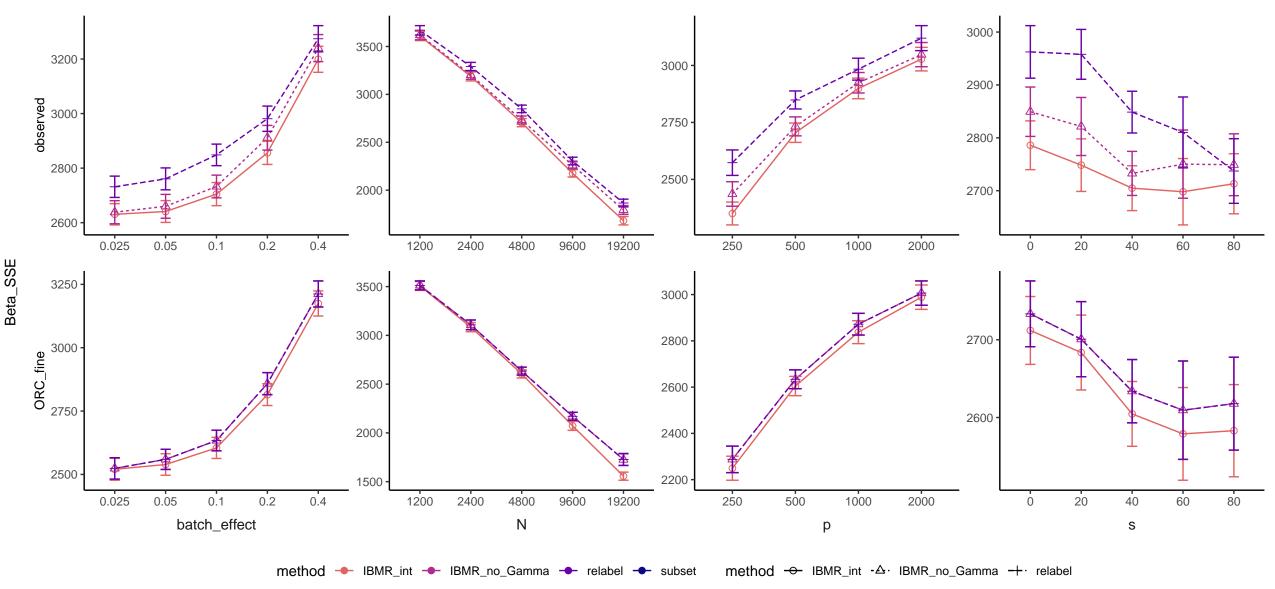
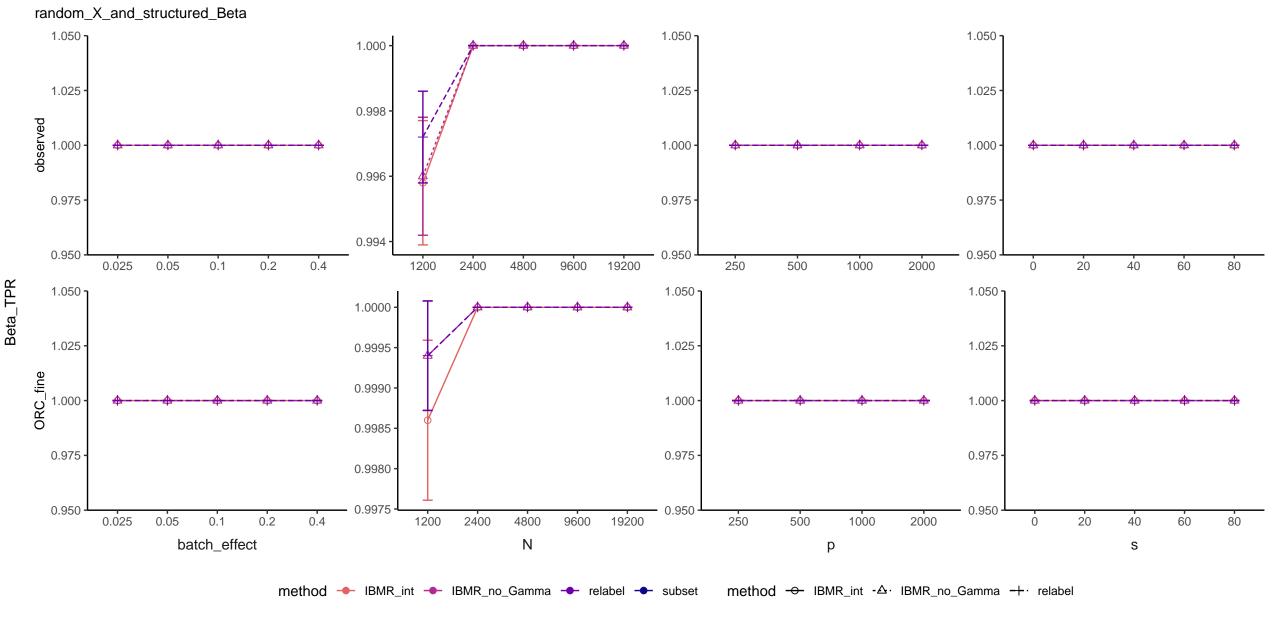
random\_X\_and\_structured\_Beta 1.0 1.0 -0.96 0.9 0.9 -0.9 0.94 opserved 0.7 8.0 0.8 0.92 0.7 0.7 0.90 0.6 0.6 0.6 0.025 0.05 0.2 0.4 1200 2400 4800 9600 19200 250 500 1000 2000 0.1 20 1.0 -1.0 0.970 0.9 0.9 0.965 0.9 ORC\_fine 0.8 0.960 0.8 0.7 0.955 0.7 0.7 0.6 0.950 0.025 0.05 0.1 0.2 0.4 1200 2400 4800 9600 19200 250 500 1000 2000 20 40 60 80 batch\_effect Ν р S

Beta\_FPR

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

random\_X\_and\_structured\_Beta





random\_X\_and\_structured\_Beta 0.28 -0.5 -0.28 0.275 0.26 0.4 0.26 opserved 0.24 0.24 0.250 0.3 0.22 -0.225 0.2 0.20 0.22 0.200 250 0.025 0.2 0.4 1200 2400 4800 9600 19200 500 1000 2000 0.05 0.1 40 20 0.25 -0.4 0.24 0.23 0.24 0.23 OBO OC23 -0.3 0.22 0.21 0.21 0.2 0.19 0.21 0.20 0.20 250 500 0.025 0.05 0.1 0.2 0.4 1200 2400 4800 9600 19200 1000 2000 20 40 60 80 batch\_effect Ν р S

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

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

error

KL\_divergence

N p

method → IBMR\_int → IBMR\_no\_Gamma → relabel → subset method → IBMR\_int -Δ· IBMR\_no\_Gamma → relabel