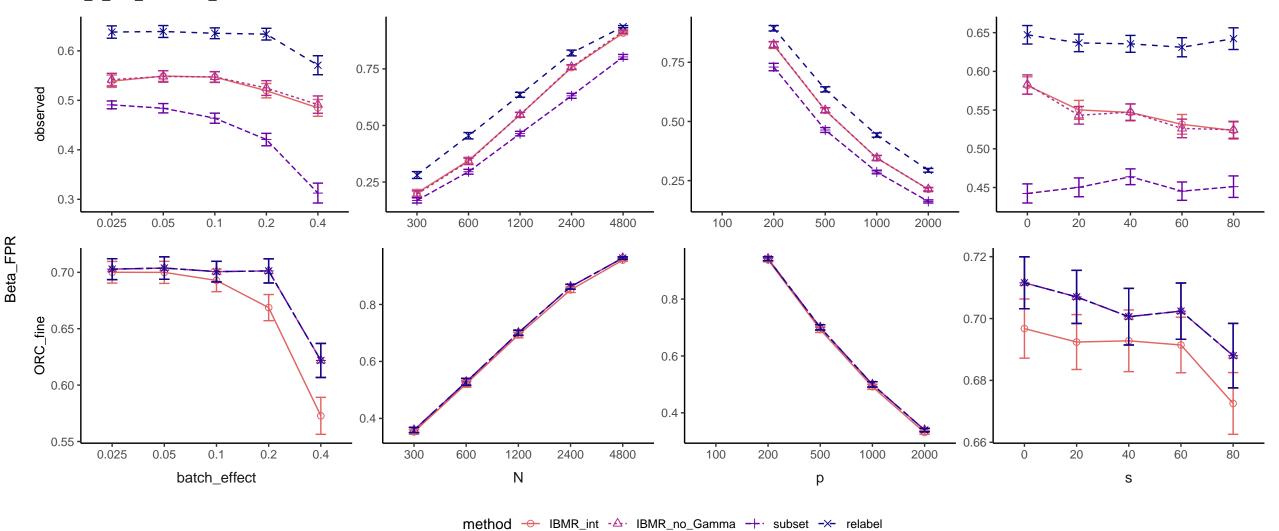
random_X_and_structured_Beta



random_X_and_structured_Beta opserved 3600 3000 -3400 -0.025 0.05 0.1 0.2 0.4 Beta_SSE 4000 -ORC fine 3400 3300 -**-**0.05 0.025 0.1 0.2 0.4

method \rightarrow IBMR_int - \triangle · IBMR_no_Gamma +· subset - \times relabel

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batch_effect

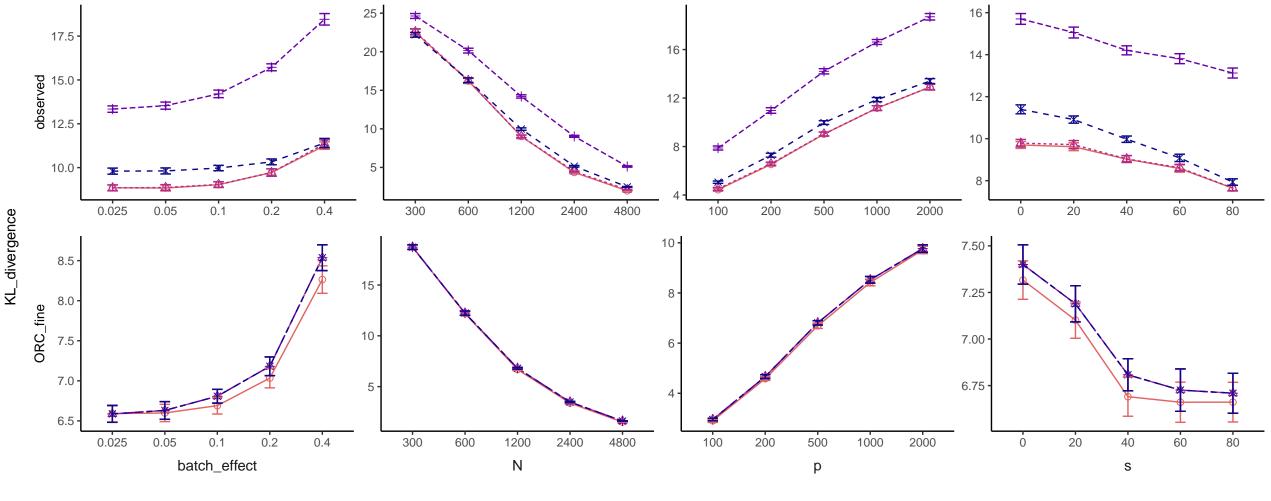
random_X_and_structured_Beta 1.00 -0.95 0.95 -0.95 0.8 observed 0.90 0.90 -0.90 0.6 0.85 0.85 -0.85 0.80 -0.025 0.05 0.2 300 1200 2400 500 1000 2000 0.1 0.4 600 4800 100 200 60 20 40 Beta_TPR 1.00 -1.00 0.95 -0.992 0.99 ORC_fine 0.99 0.90 0.98 0.85 0.98 0.984 -0.97 -0.80 0.97 0.025 300 600 1200 2400 4800 100 2000 0.05 0.2 0.4 200 500 1000 0.1 20 40 60 80 batch_effect Ν р S

method → IBMR_int -△· IBMR_no_Gamma +· subset -× relabel

random_X_and_structured_Beta 0.75 -0.7 0.8 -0.70 0.60 0.6 opserved 0.60 0.6 0.55 -0.55 **-**0.4 0.50 0.50 -0.45 300 1200 2400 4800 100 200 500 0.025 0.2 0.4 600 1000 2000 0.05 error 0.45 0.43 0.6 0.42 -ORC_fine 0.40 0.5 0.42 0.4 0.41 0.35 0.3 0.40 0.40 0.30 0.2 0.025 100 500 0.4 300 1200 4800 2000 0.05 600 2400 200 1000 0.1 0.2 60 80 batch_effect Ν р S

method → IBMR_int -△· IBMR_no_Gamma +· subset -× relabel

random_X_and_structured_Beta



method → IBMR_int -△· IBMR_no_Gamma +· subset -× relabel