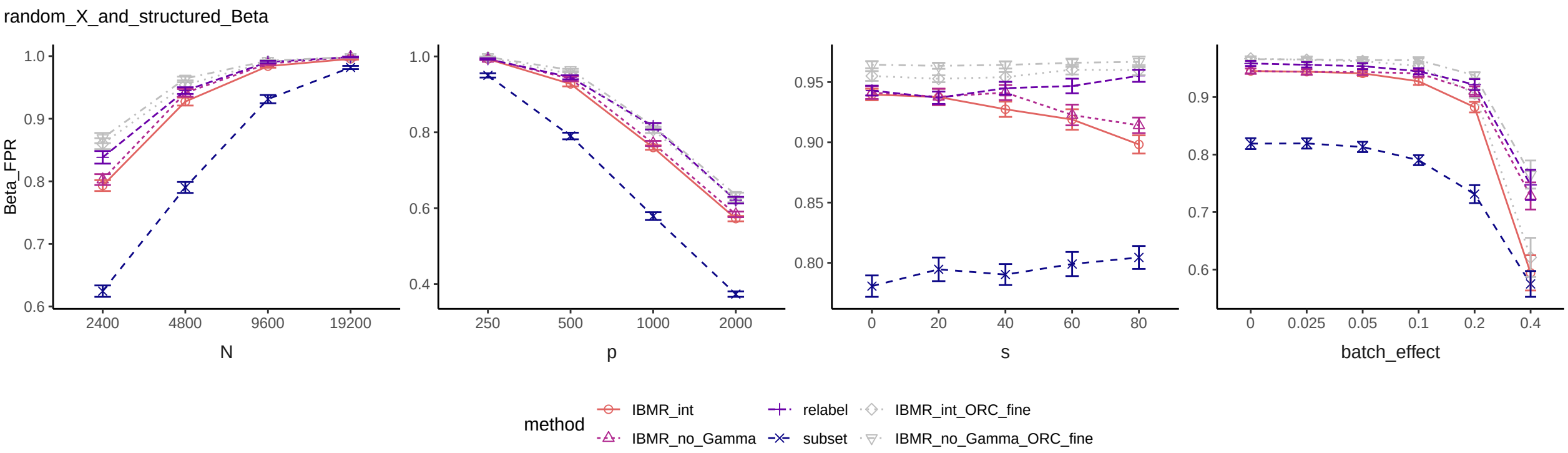
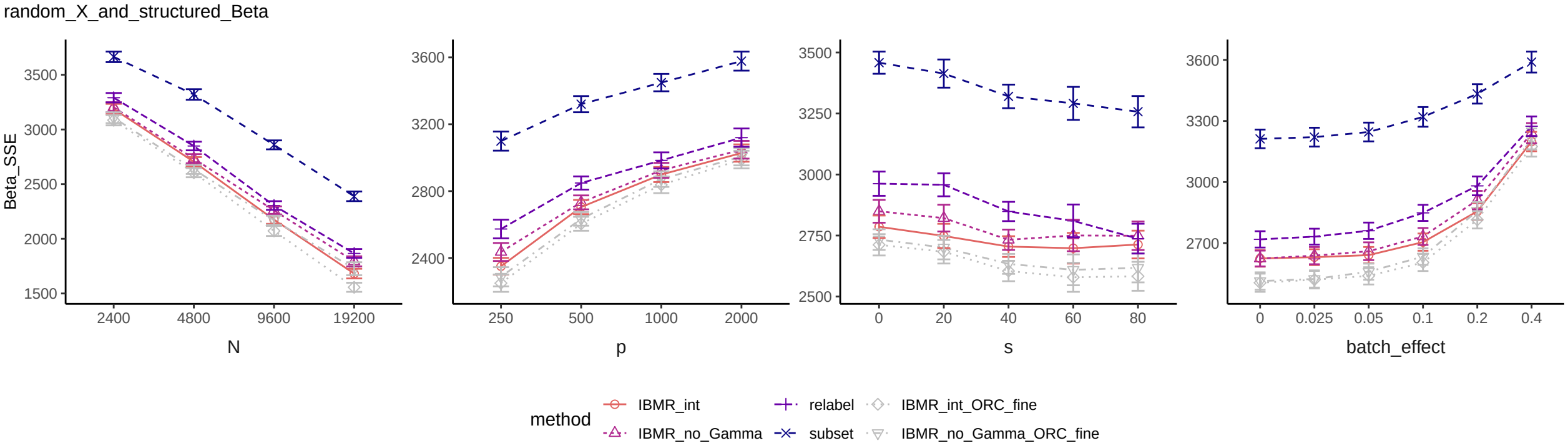
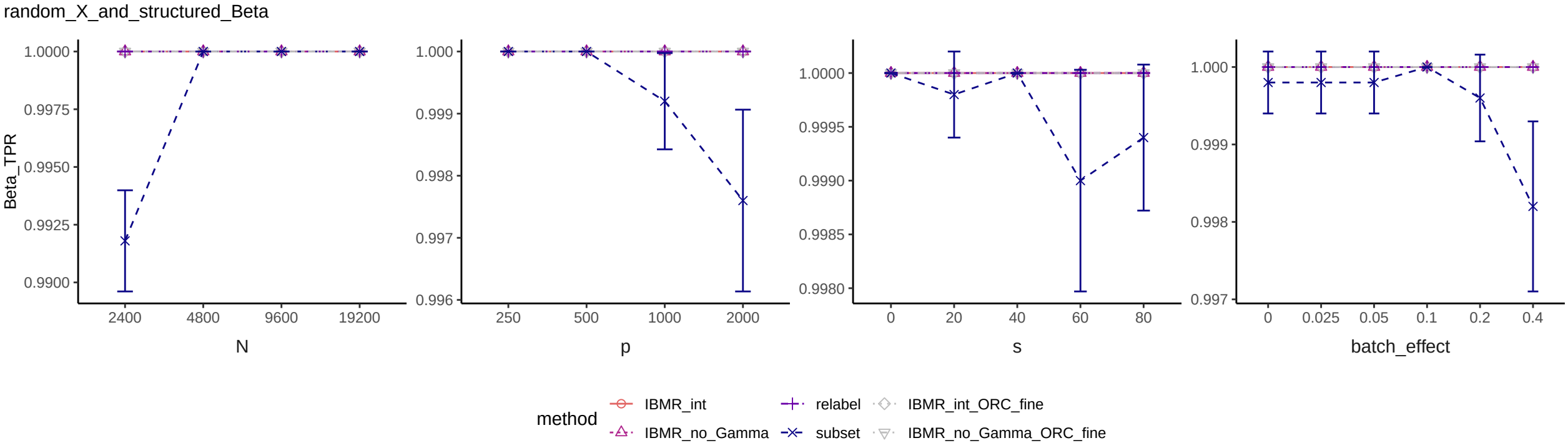
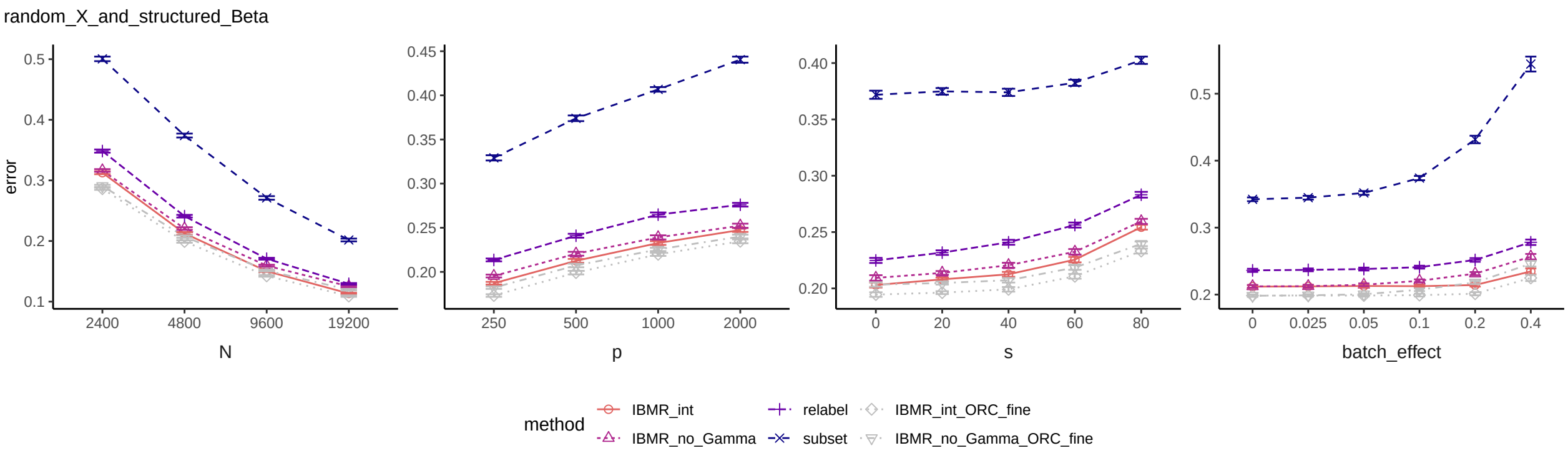
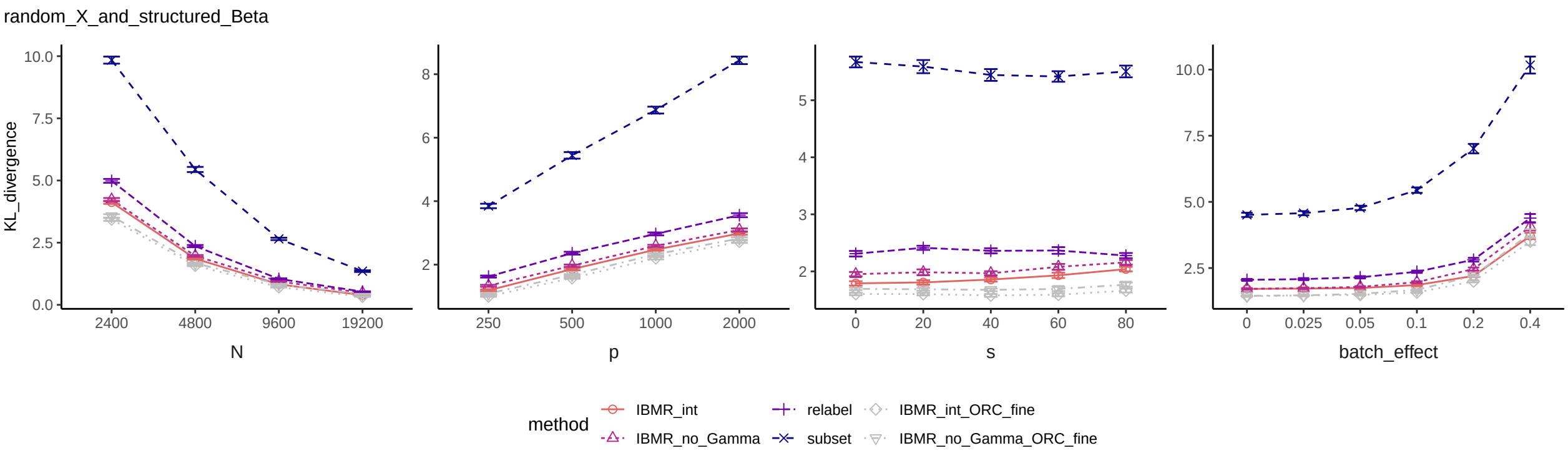

random_X_and_structured_Beta
Beta_FPR
1.0
0.9
0.8
0.7
0.6
2400
4800
9600
19200
N
1.0
0.8
0.6
0.4
250
500
1000
2000
p
0.95
0.90
0.85
0.80
0
20
40
60
80
s
0.9
0.8
0.7
0.6
0
0.025
0.05
0.1
0.2
0.4
batch_effect
method
IBMR_int
IBMR_no_Gamma
relabel
subset
IBMR_int_ORC_fine
IBMR_no_Gamma_ORC_fine


random_X_and_structured_Beta
Beta_SSE
3500
3000
2500
2000
1500
2400
4800
9600
19200
N
3600
3200
2800
2400
250
500
1000
2000
p
3500
3250
3000
2750
2500
0
20
40
60
80
s
3600
3300
3000
2700
0
0.025
0.05
0.1
0.2
0.4
batch_effect
method
IBMR_int
IBMR_no_Gamma
relabel
subset
IBMR_int_ORC_fine
IBMR_no_Gamma_ORC_fine


random_X_and_structured_Beta
Beta_TPR
1.0000
0.9975
0.9950
0.9925
0.9900
2400
4800
9600
19200
N
1.000
0.999
0.998
0.997
0.996
250
500
1000
2000
p
1.0000
0.9995
0.9990
0.9985
0.9980
0
20
40
60
80
s
1.000
0.999
0.998
0.997
0
0.025
0.05
0.1
0.2
0.4
batch_effect
method
IBMR_int
IBMR_no_Gamma
relabel
subset
IBMR_int_ORC_fine
IBMR_no_Gamma_ORC_fine


random_X_and_structured_Beta
error
0.5
0.4
0.3
0.2
0.1
2400
4800
9600
19200
N
0.45
0.40
0.35
0.30
0.25
0.20
250
500
1000
2000
p
0.40
0.35
0.30
0.25
0.20
0
20
40
60
80
s
0.5
0.4
0.3
0.2
0
0.025
0.05
0.1
0.2
0.4
batch_effect
method
IBMR_int
IBMR_no_Gamma
relabel
subset
IBMR_int_ORC_fine
IBMR_no_Gamma_ORC_fine


random_X_and_structured_Beta
KL_divergence
10.0
7.5
5.0
2.5
0.0
2400
4800
9600
19200
N
8
6
4
2
250
500
1000
2000
p
5
4
3
2
0
20
40
60
80
s
10.0
7.5
5.0
2.5
0
0.025
0.05
0.1
0.2
0.4
batch_effect
method
IBMR_int
IBMR_no_Gamma
relabel
subset
IBMR_int_ORC_fine
IBMR_no_Gamma_ORC_fine