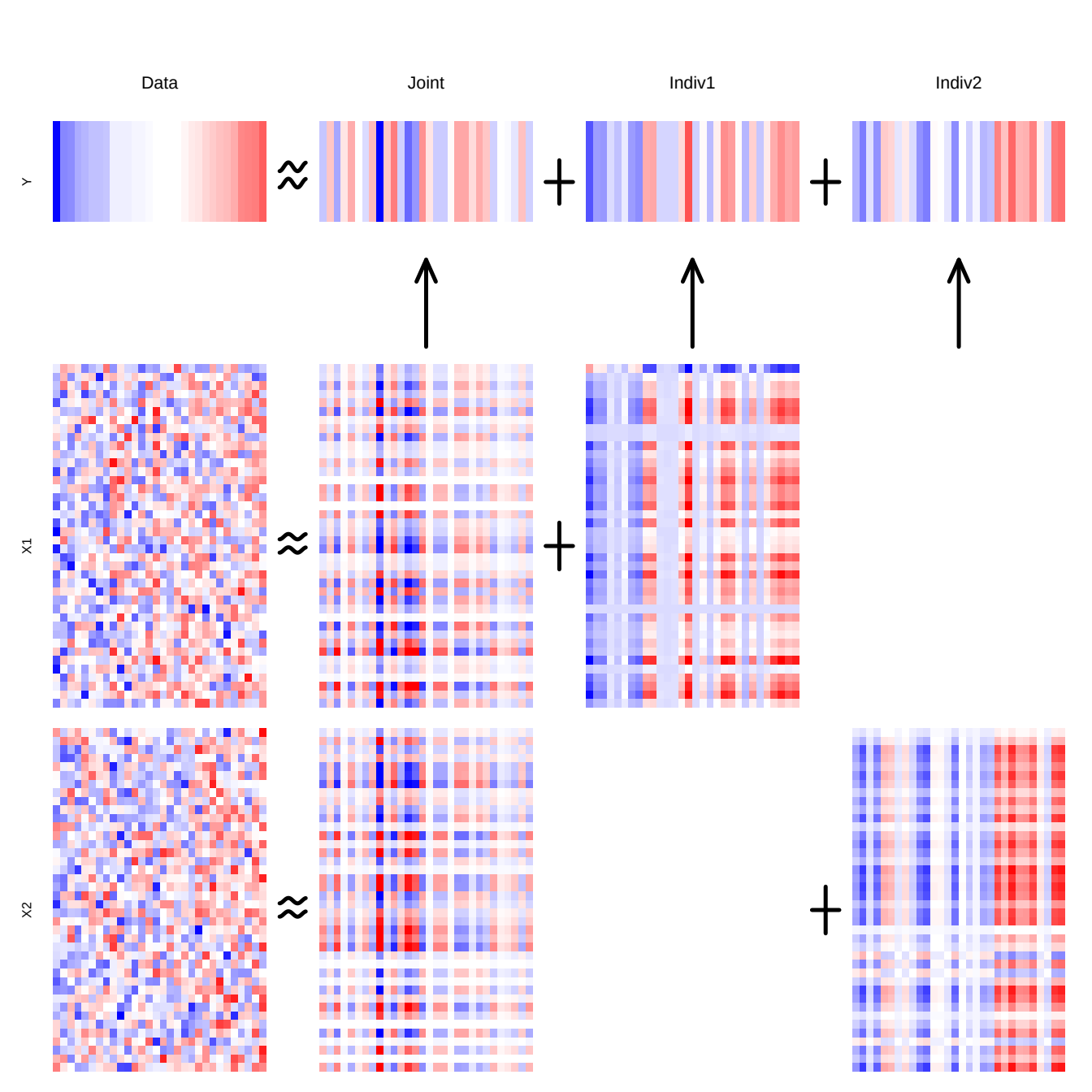
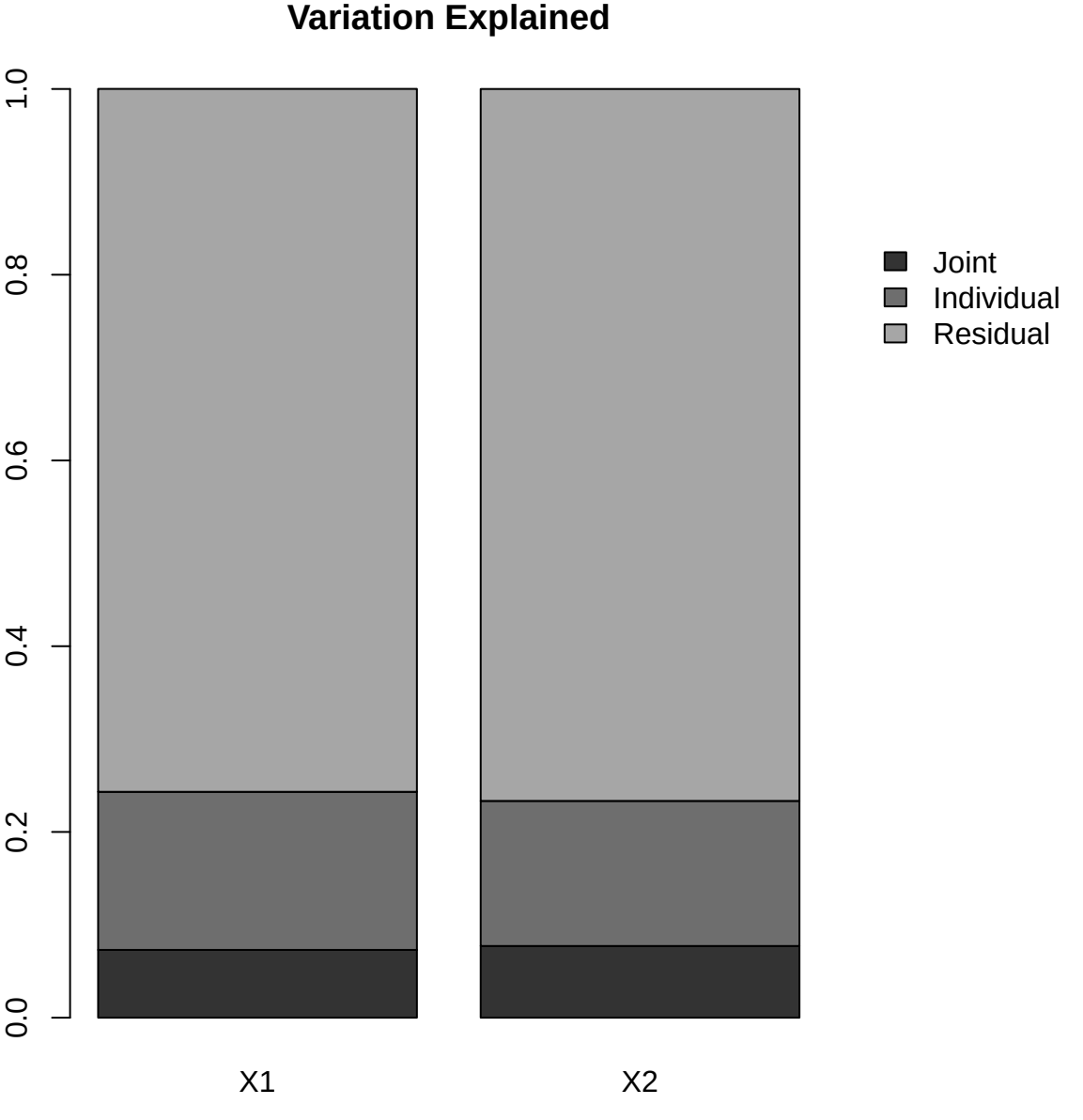
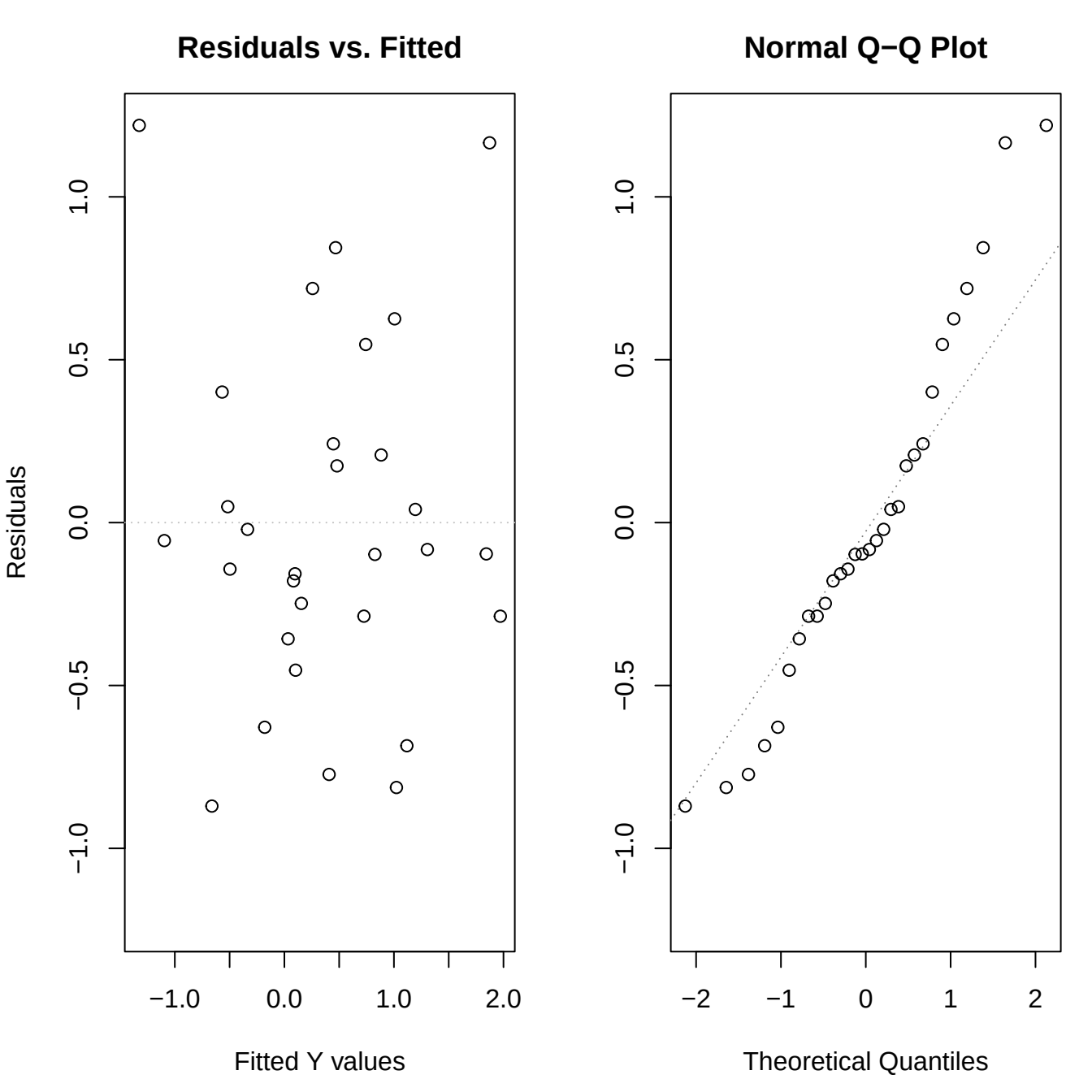
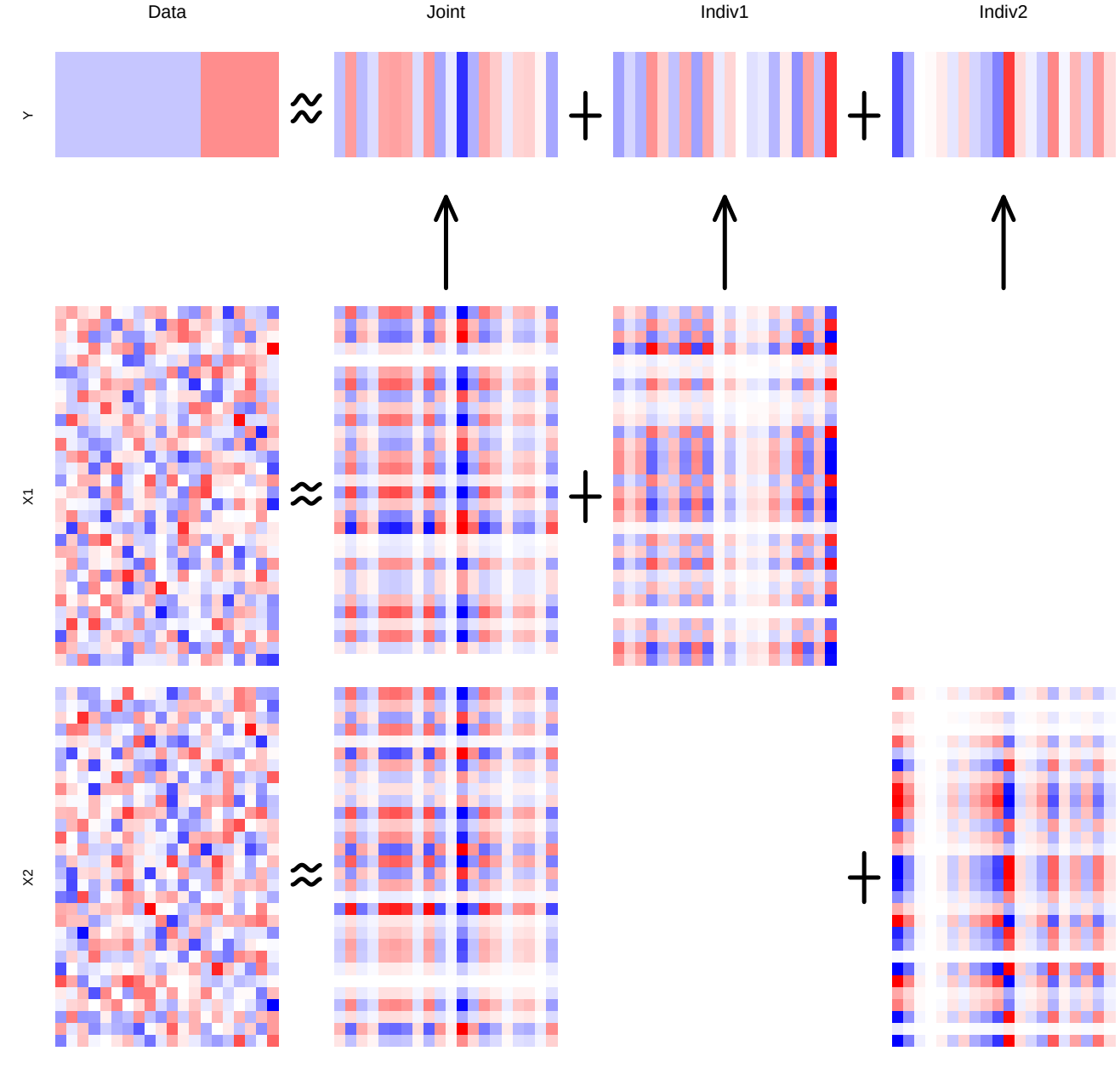
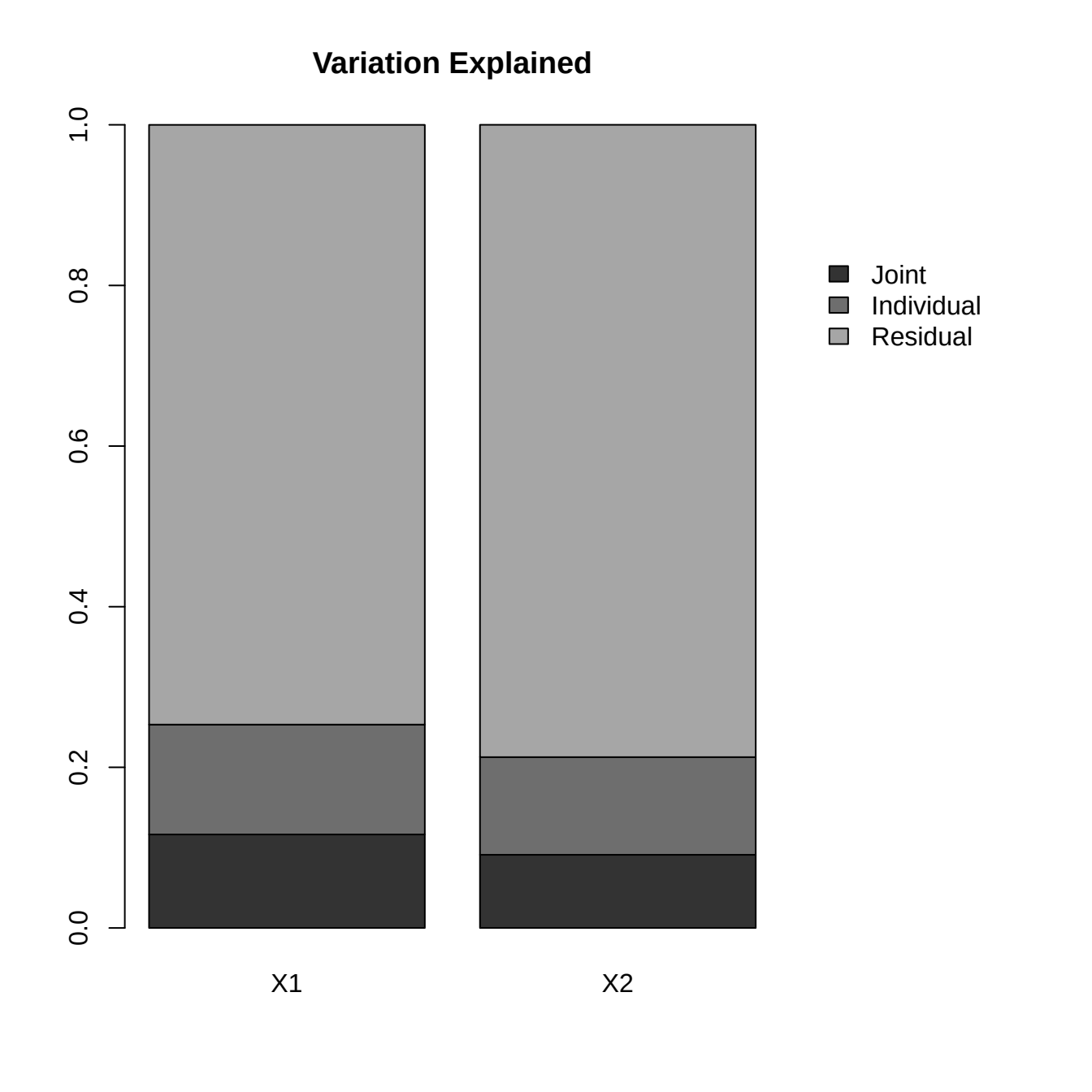
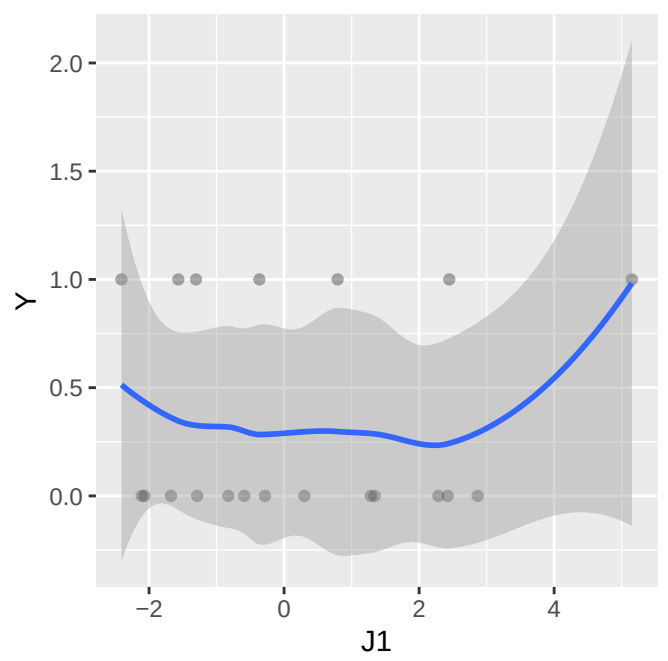

Data
Joint
Indiv1
Indiv2
Y
X1
X2

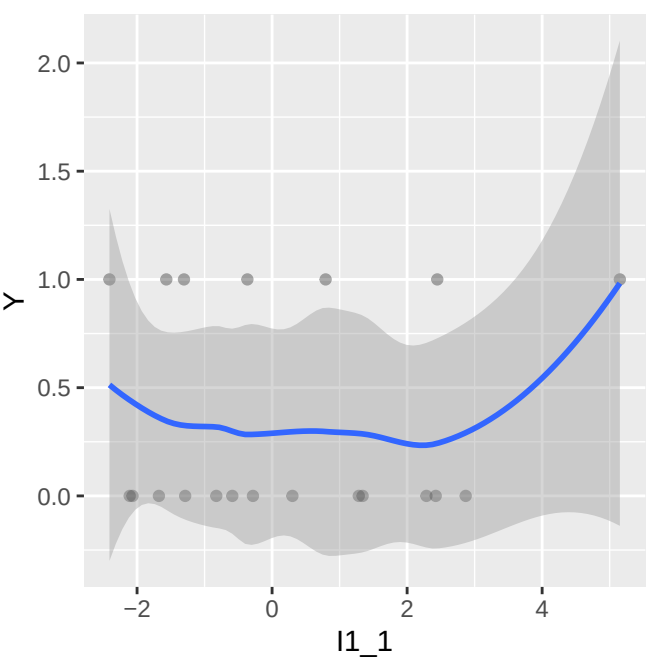

Variation Explained
1.0
0.8
0.6
0.4
0.2
0.0
X1
X2
Joint
Individual
Residual

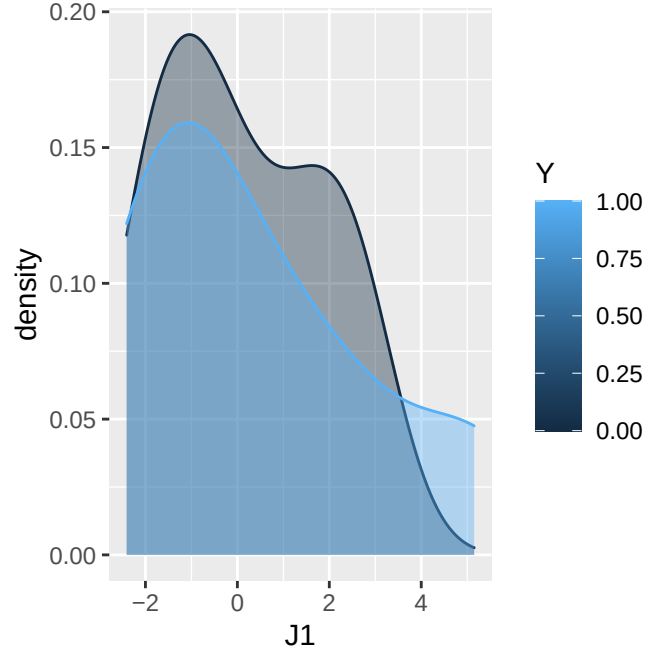

Residuals vs. Fitted
Residuals
Fitted Y values
1.0
0.5
0.0
−0.5
−1.0
−1.0
0.0
1.0
2.0
Normal Q−Q Plot
Theoretical Quantiles
−2
−1
0
1
2

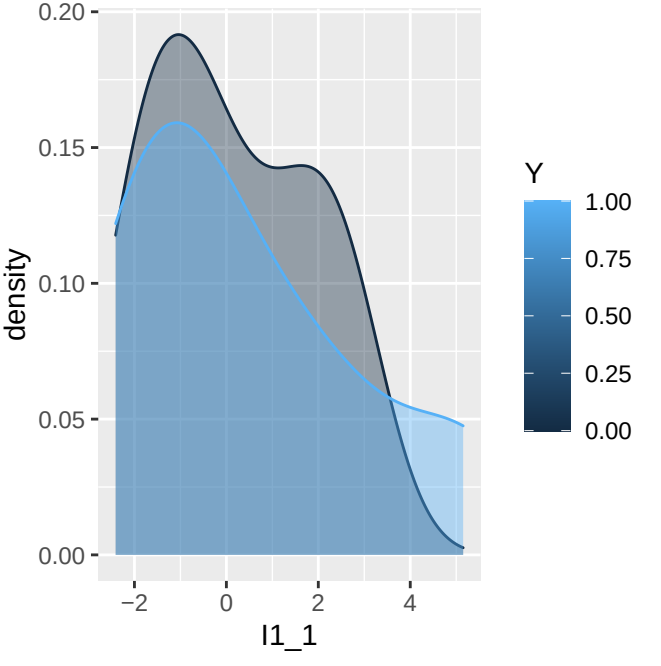

Data
Joint
Indiv1
Indiv2
Y
X1
X2

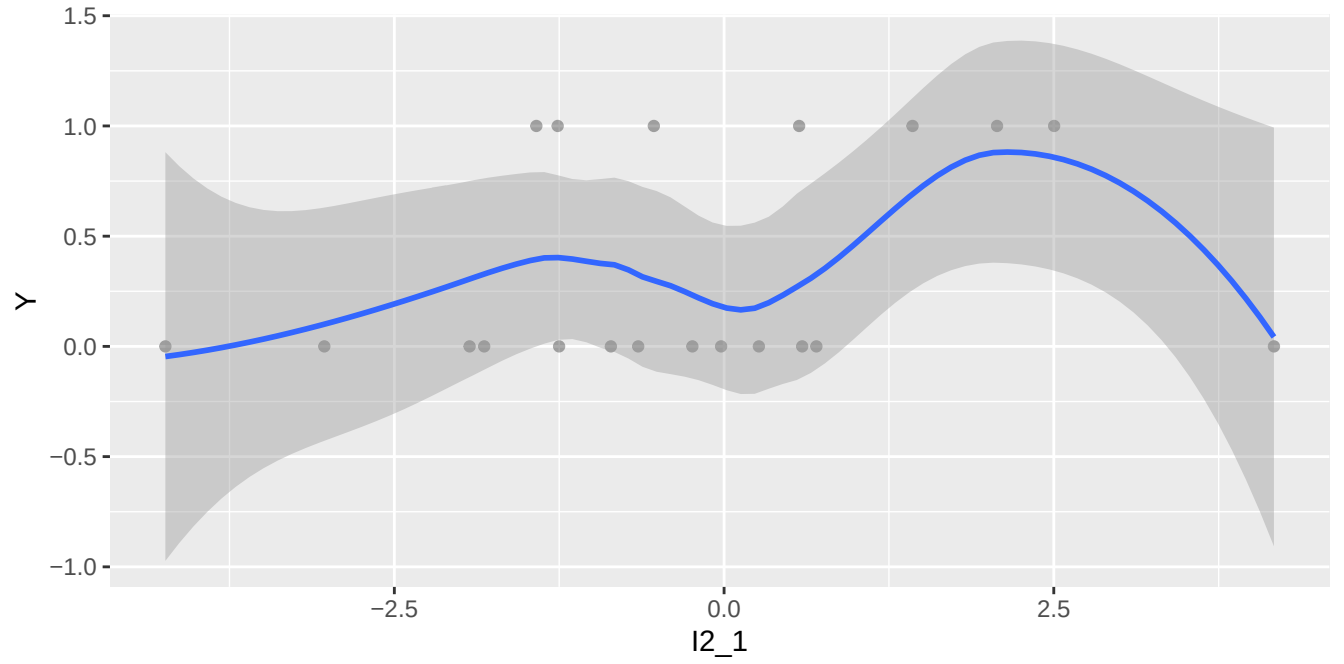

Variation Explained
1.0
0.8
0.6
0.4
0.2
0.0
X1
X2
Joint
Individual
Residual

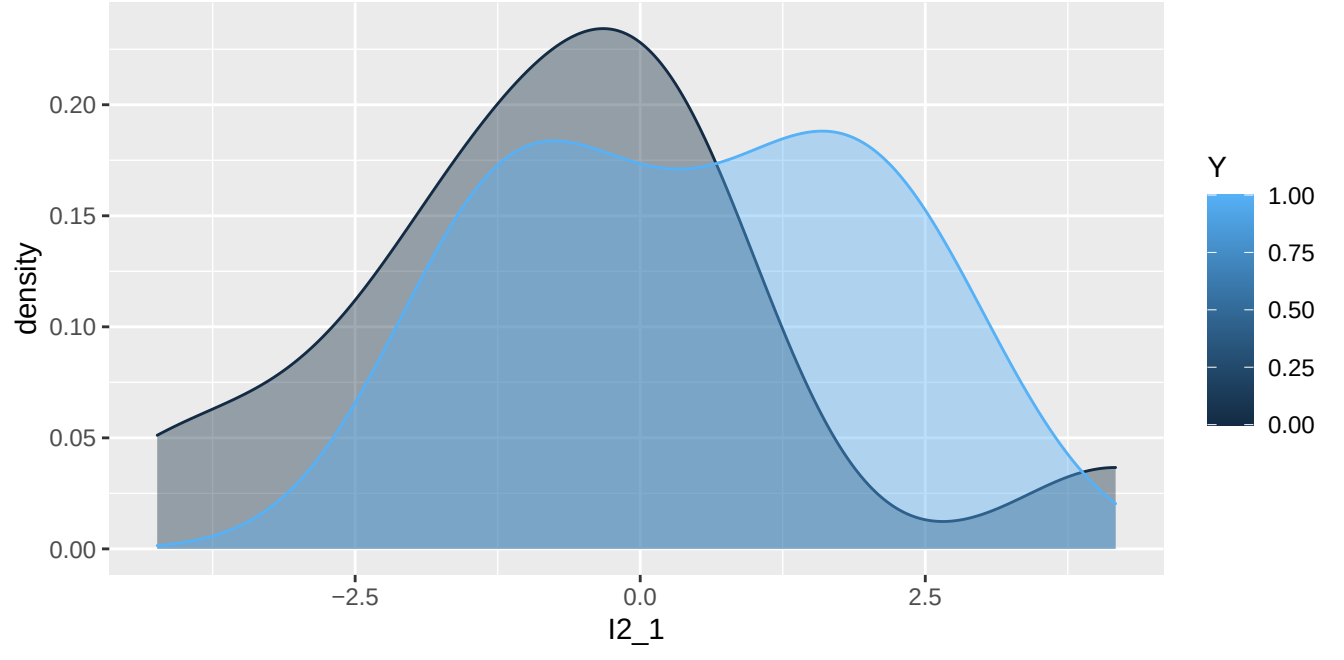

2.0
1.5
1.0
0.5
0.0
Y
−2
0
2
4
J1

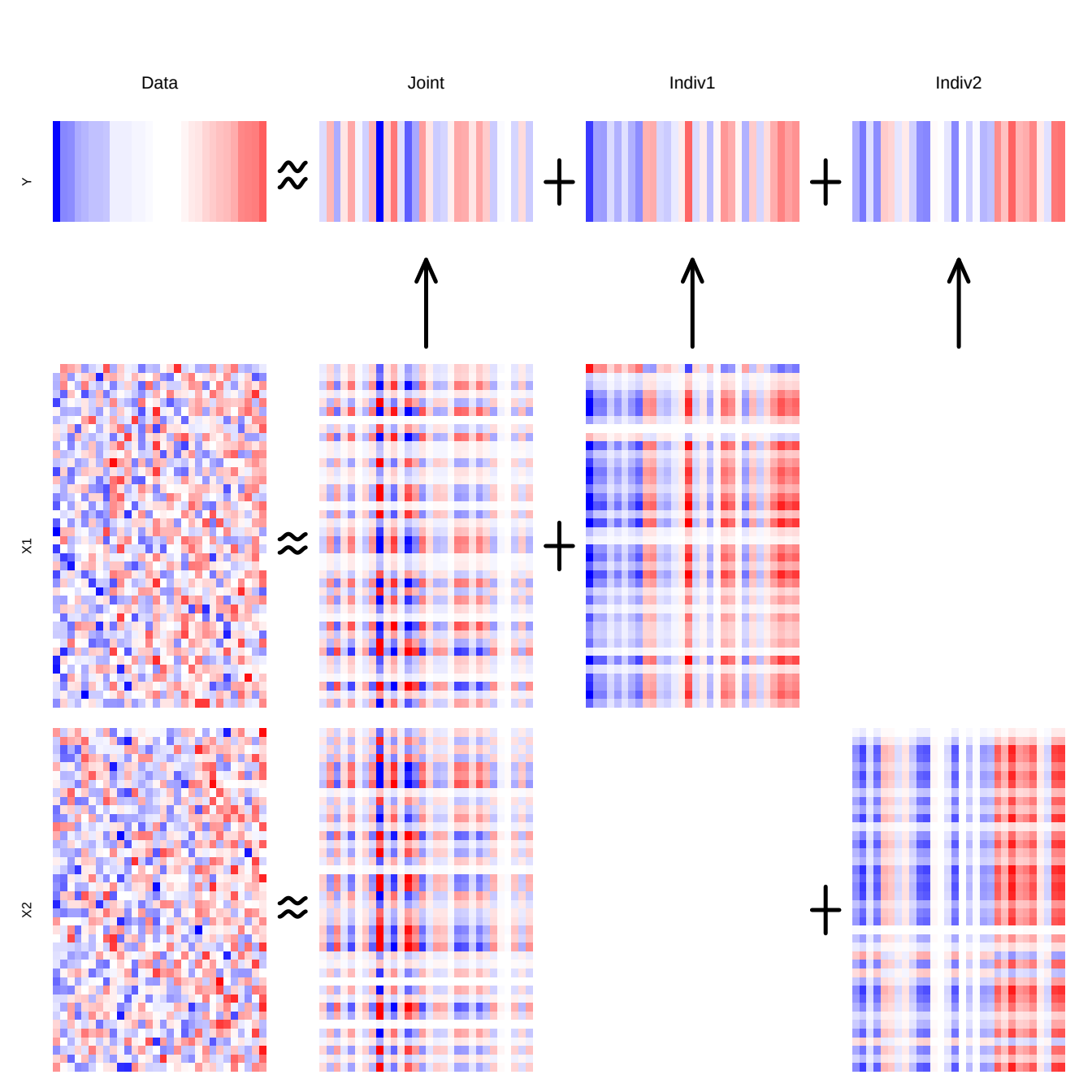

2.0
1.5
1.0
0.5
0.0
Y
−2
0
2
4
I1_1

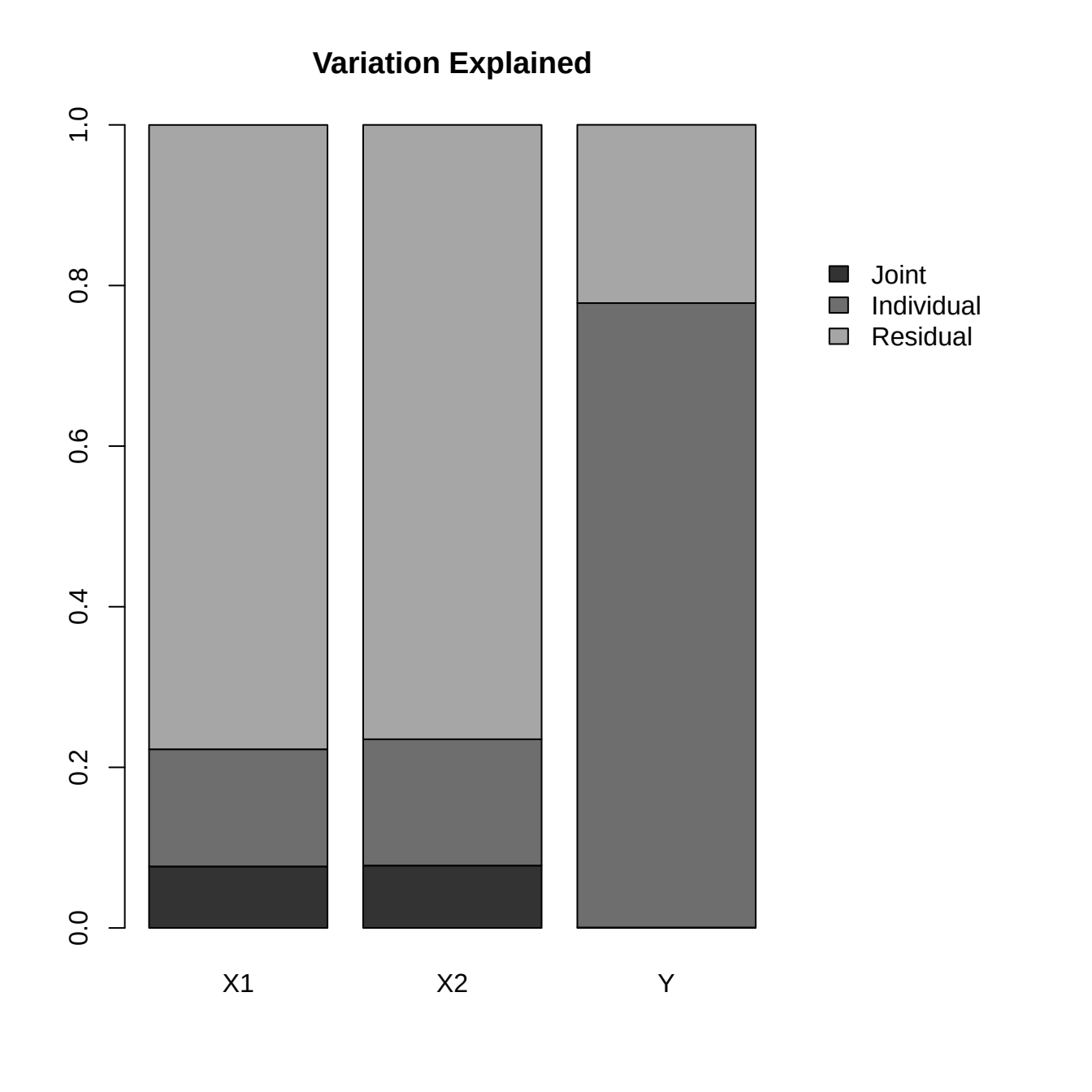

0.20
0.15
0.10
0.05
0.00
density
−2
0
2
4
J1
Y
1.00
0.75
0.50
0.25
0.00

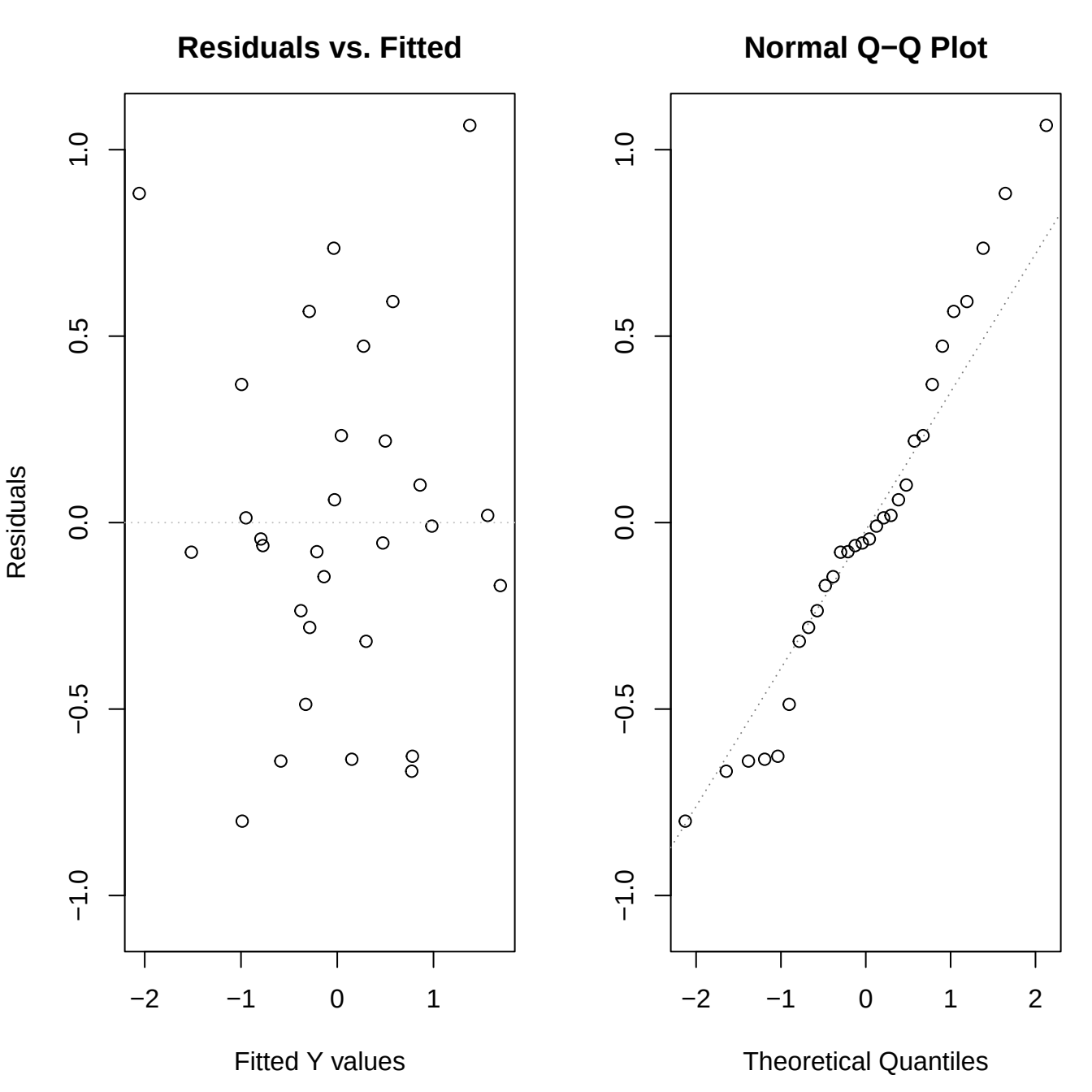

0.20
0.15
0.10
0.05
0.00
density
−2
0
2
4
I1_1
Y
1.00
0.75
0.50
0.25
0.00


1.5
1.0
0.5
0.0
−0.5
−1.0
Y
−2.5
0.0
2.5
I2_1


0.20
0.15
0.10
0.05
0.00
density
−2.5
0.0
2.5
I2_1
Y
1.00
0.75
0.50
0.25
0.00


Data
Joint
Indiv1
Indiv2
Y
X1
X2


Variation Explained
1.0
0.8
0.6
0.4
0.2
0.0
X1
X2
Y
Joint
Individual
Residual


Residuals vs. Fitted
Residuals
Fitted Y values
1.0
0.5
0.0
−0.5
−1.0
−2
−1
0
1
Normal Q−Q Plot
Theoretical Quantiles
2