SES_Anat_Analyses Q>=4

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Read in and format LGI dataset

Plot bivariate correlations

Plot bivariate correlations, ASD Only

Plot bivariate correlations, TD Only

Iterate through Income:Needs Ratio regression models and save outputs in tables

lh_fusiform_lgi

Coeffcient

Estimates

CI (95%)

p-Value

Intercept

2.37

2.04 – 2.70

<0.001

Income:Needs

0.00

-0.01 – 0.02

0.517

TBV

0.00

0.00 – 0.00

0.006

Diagnosis

0.02

-0.04 – 0.07

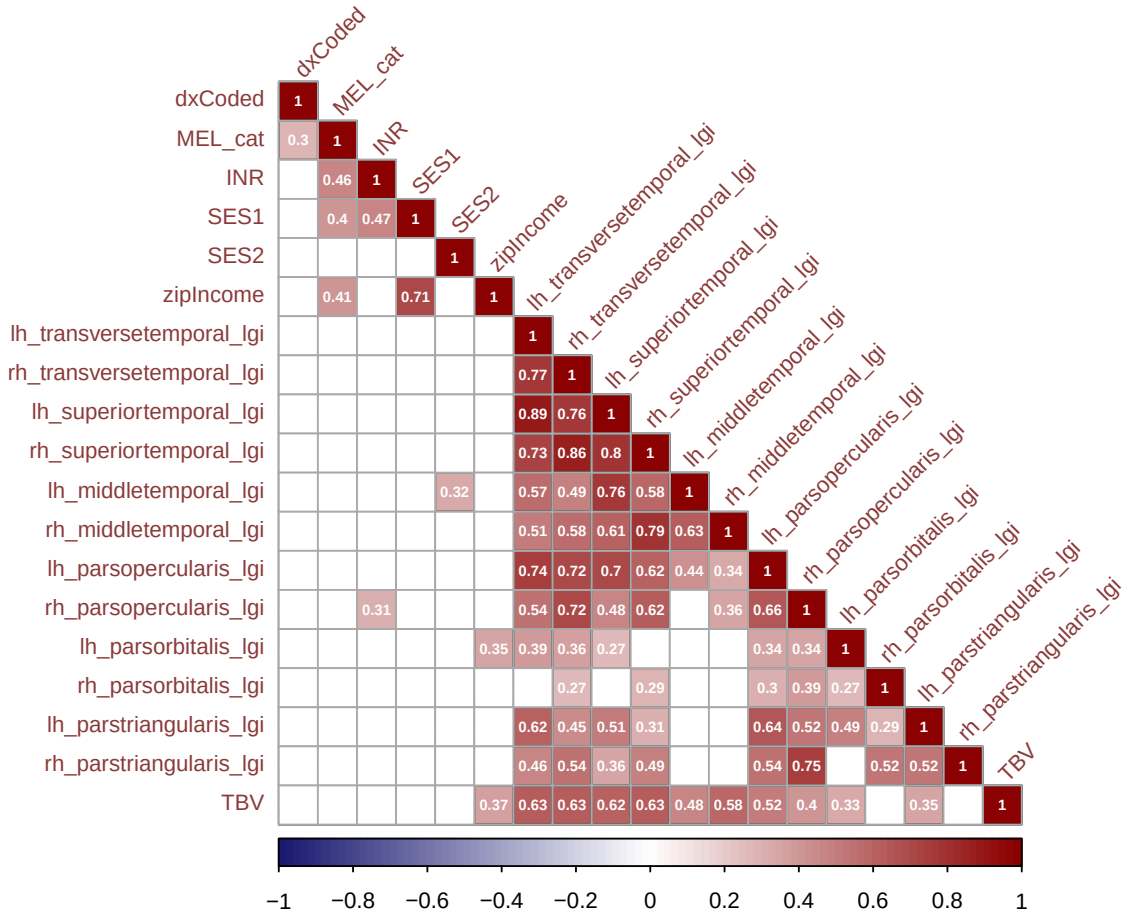

Figure 1: Bivariate Plot

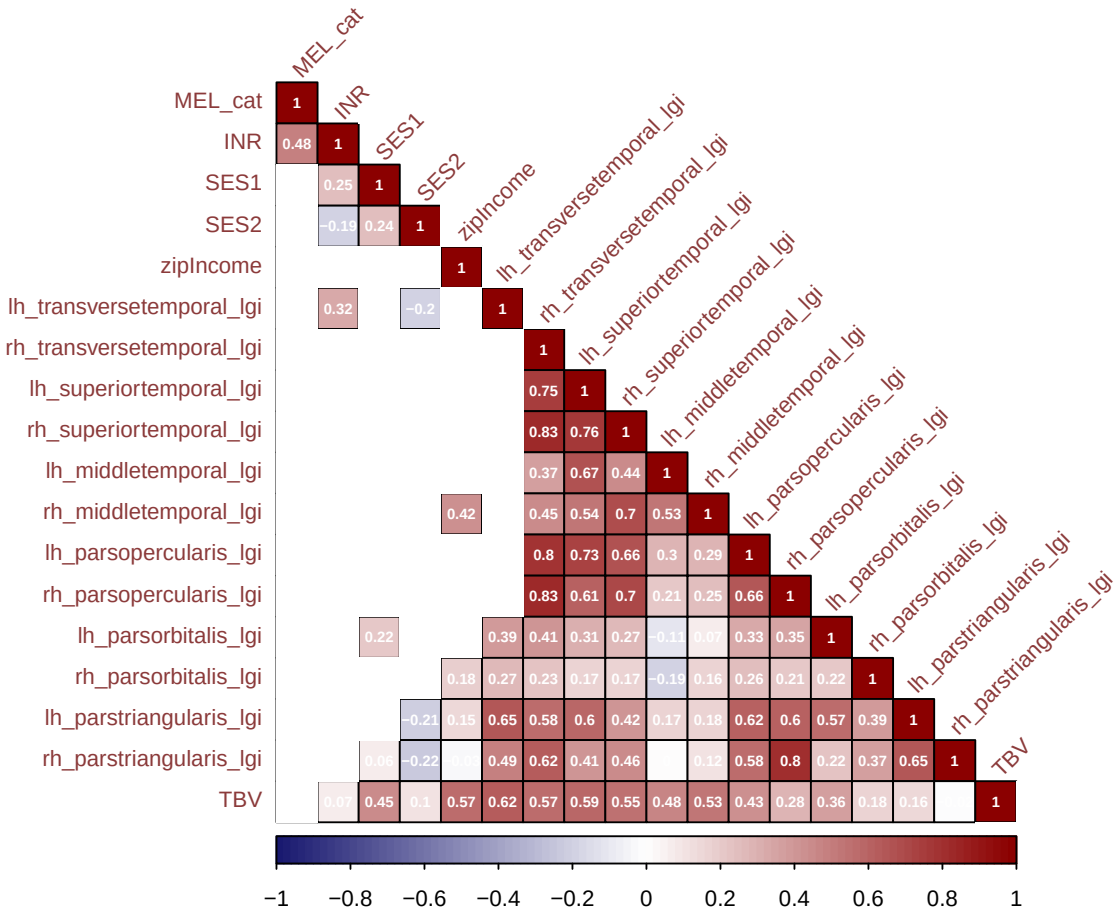

Figure 2: Bivariate Plot ASD Only

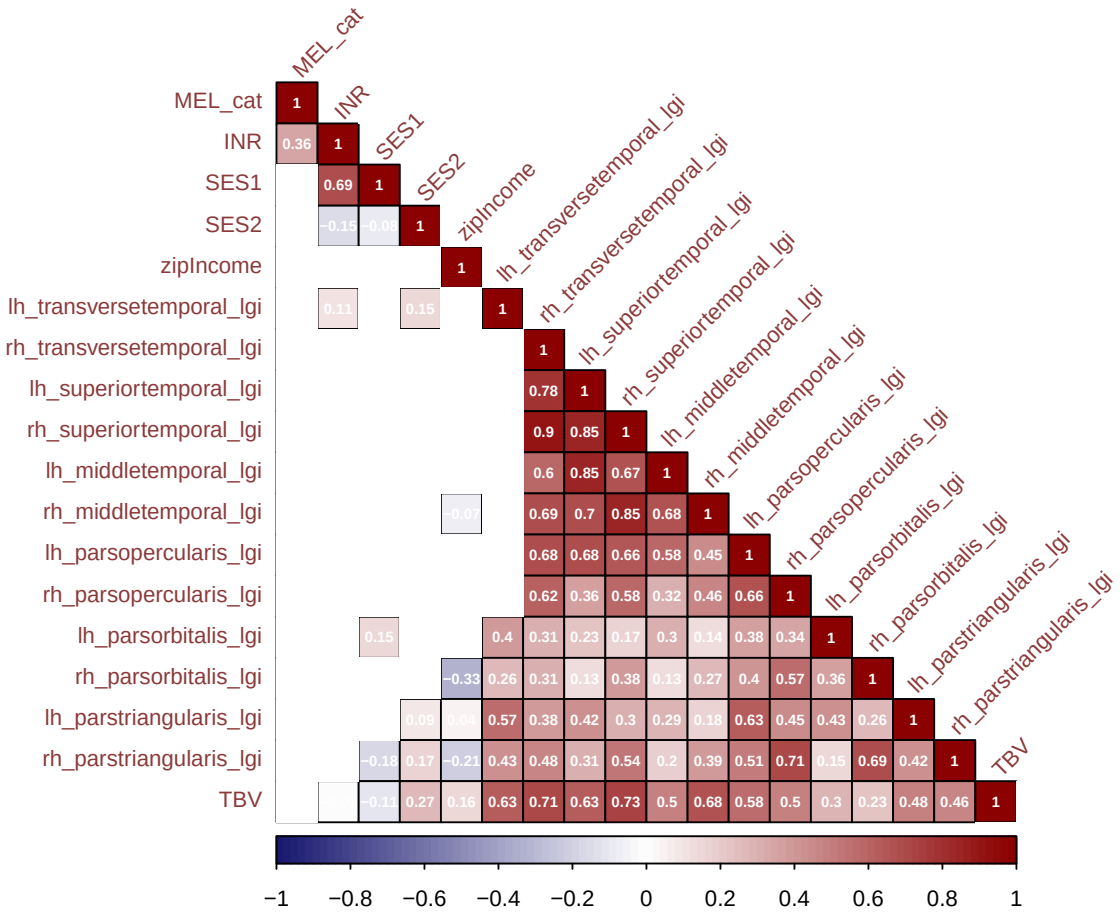

Figure 3: Bivariate Plot, TD Only

0.548

Observations

43

R2 / R2 adjusted

0.191 / 0.128

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rh_fusiform_lgi

Coeffcient

Estimates

CI (95%)

p-Value

Intercept

2.25

2.01 – 2.50

<0.001

Income:Needs

0.02

0.01 – 0.03

<0.001

TBV

0.00

0.00 – 0.00

<0.001

Diagnosis

0.00

-0.04 – 0.04

0.941

Observations

42

R2 / R2 adjusted

0.511 / 0.473

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lh_middletemporal_lgi

Coeffcient

Estimates

CI (95%)

p-Value

Intercept

2.64

1.94 – 3.33

<0.001

Income:Needs

-0.00

-0.03 – 0.02

0.882

TBV

0.00

0.00 – 0.00

0.004

Diagnosis

0.07

-0.05 – 0.19

0.260

Observations

43

R2 / R2 adjusted

0.198 / 0.137

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rh_middletemporal_lgi

Coeffcient

Estimates

CI (95%)

p-Value

Intercept

2.18

1.61 – 2.76

<0.001

Income:Needs

-0.00

-0.02 – 0.02

0.774

TBV

0.00

0.00 – 0.00

<0.001

Diagnosis

0.12

0.02 – 0.22

0.020

Observations

42

R2 / R2 adjusted

0.411 / 0.365

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lh_superiortemporal_lgi

Coeffcient

Estimates

CI (95%)

p-Value

Intercept

2.66

1.88 – 3.44

<0.001

Income:Needs

0.02

-0.00 – 0.05

0.106

TBV

0.00

0.00 – 0.00

<0.001

Diagnosis

-0.02

-0.15 – 0.12

0.776

Observations

43

R2 / R2 adjusted

0.458 / 0.417

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rh_superiortemporal_lgi

Coeffcient

Estimates

CI (95%)

p-Value

Intercept

2.16

1.29 – 3.03

<0.001

Income:Needs

0.03

-0.01 – 0.06

0.102

TBV

0.00

0.00 – 0.00

<0.001

Diagnosis

0.13

-0.02 – 0.28

0.091

Observations

42

R2 / R2 adjusted

0.474 / 0.432

lh_transversetemporal_lgi

Coeffcient

Estimates

CI (95%)

p-Value

Intercept

2.53

1.60 – 3.47

<0.001

Income:Needs

0.03

-0.01 – 0.06

0.096

TBV

0.00

0.00 – 0.00

<0.001

Diagnosis

-0.06

-0.22 – 0.10

0.446

Observations

43

R2 / R2 adjusted

0.550 / 0.515

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rh_transversetemporal_lgi

Coeffcient

Estimates

CI (95%)

p-Value

Intercept

2.58

1.49 – 3.67

<0.001

Income:Needs

0.03

-0.01 – 0.07

0.137

TBV

0.00

0.00 – 0.00

<0.001

Diagnosis

0.03

-0.16 – 0.22

0.790

Observations

42

R2 / R2 adjusted

0.457 / 0.414

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lh_parsopercularis_lgi

Coeffcient

Estimates

CI (95%)

p-Value

Intercept

3.12

2.16 – 4.09

<0.001

Income:Needs

0.02

-0.01 – 0.05

0.224

TBV

0.00

0.00 – 0.00

<0.001

Diagnosis

-0.13

-0.30 – 0.04

0.126

Observations

43

R2 / R2 adjusted

0.364 / 0.315

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rh_parsopercularis_lgi

Coeffcient

Estimates

CI (95%)

p-Value

Intercept

3.38

2.23 – 4.53

<0.001

Income:Needs

0.05

0.01 – 0.09

0.026

TBV

0.00

0.00 – 0.00

0.011

Diagnosis

-0.07

-0.27 – 0.13

0.482

Observations

42

R2 / R2 adjusted

0.260 / 0.201

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lh_parsorbitalis_lgi

Coeffcient

Estimates

CI (95%)

p-Value

Intercept

1.93

1.00 – 2.85

<0.001

Income:Needs

0.01

-0.02 – 0.05

0.357

TBV

0.00

0.00 – 0.00

0.004

Diagnosis

-0.02

-0.18 – 0.14

0.830

Observations

43

R2 / R2 adjusted

0.215 / 0.155

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rh_parsorbitalis_lgi

Coeffcient

Estimates

CI (95%)

p-Value

Intercept

2.54

1.62 – 3.46

<0.001

Income:Needs

-0.01

-0.04 – 0.03

0.703

TBV

0.00

-0.00 – 0.00

0.206

Diagnosis

0.12

-0.04 – 0.28

0.130

Observations

42

R2 / R2 adjusted

0.084 / 0.011

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lh_parstriangularis_lgi

Coeffcient

Estimates

CI (95%)

p-Value

Intercept

3.25

2.31 – 4.20

<0.001

Income:Needs

0.00

-0.03 – 0.04

0.803

TBV

0.00

0.00 – 0.00

0.019

Diagnosis

-0.12

-0.29 – 0.04

0.140

Observations

43

R2 / R2 adjusted

0.203 / 0.142

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rh_parstriangularis_lgi

Coeffcient

Estimates

CI (95%)

p-Value

Intercept

3.32

2.06 – 4.57

<0.001

Income:Needs

0.03

-0.01 – 0.08

0.150

TBV

0.00

-0.00 – 0.00

0.108

Diagnosis

-0.06

-0.28 – 0.16

0.581

Observations

42

R2 / R2 adjusted

0.123 / 0.054

INR Results

Income to needs ratio predicts rh_parsopercularis_lgi and “rh_fusiform_lgi”, controlling for dx and TBV (which are not sig.)