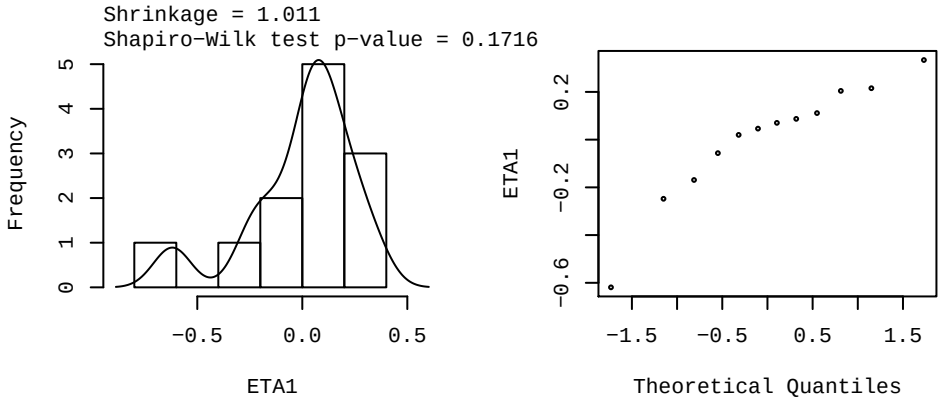
Normality and Population Shrinkage of Etas

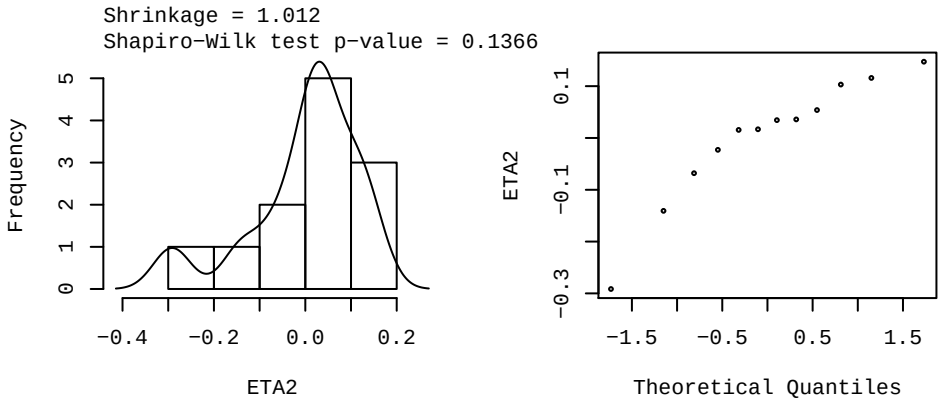
Eta 1

Minimum : −0.61893
1st Qu. : −0.08467855
Median : 0.0582059
Mean : −0.000363183333
3rd Qu. : 0.13458975
Maximum : 0.33353
Std Dev : 0.2528
t−test p= 0.9961



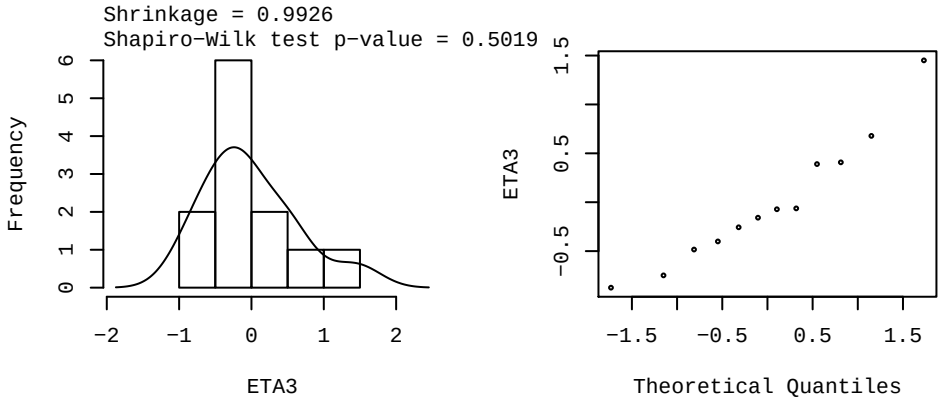
Eta 2

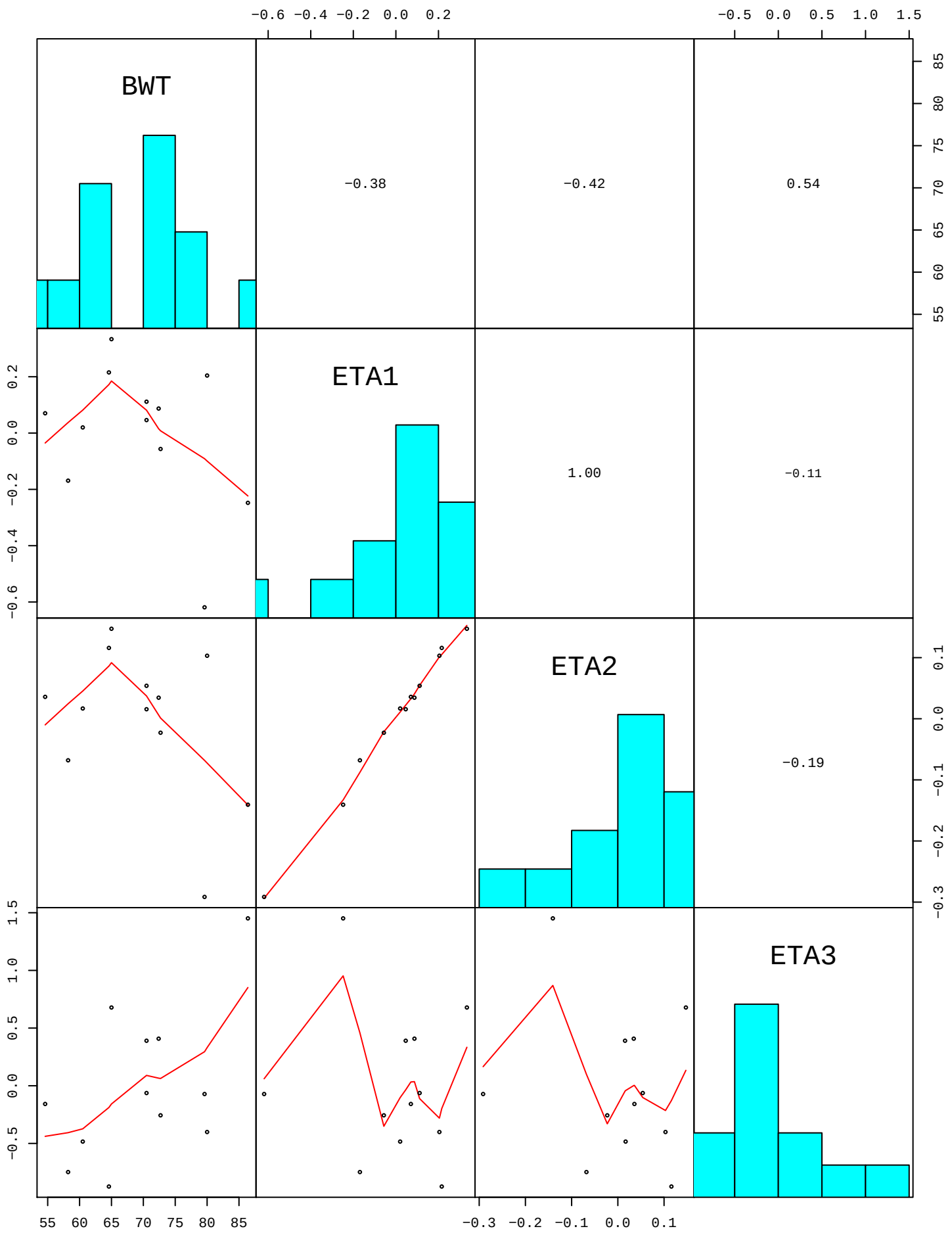
Minimum : −0.291528
1st Qu. : −0.034152725
Median : 0.0256236
Mean : −2.013333333334
3rd Qu. : 0.0662183
Maximum : 0.147238
Std Dev : 0.1212
t−test p= 0.9996

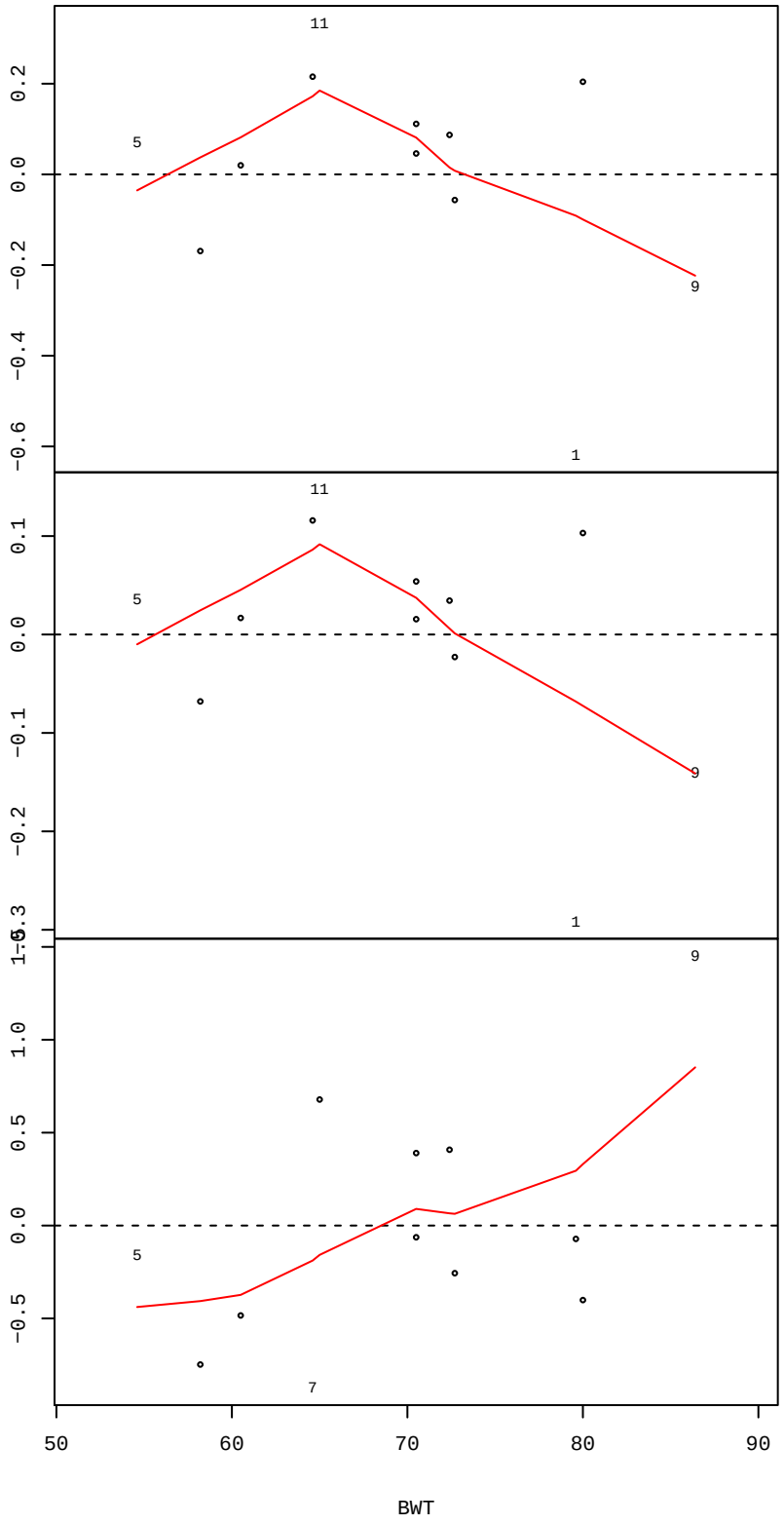


Eta 3

Minimum : −0.873731
1st Qu. : −0.421768
Median : −0.1149733
Mean : −0.010725675
3rd Qu. : 0.394603
Maximum : 1.45098
Std Dev : 0.6537
t−test p= 0.9557




Covariate vs ETA of C07−4
BWT
ETA1
ETA2
ETA3
−0.38
−0.42
0.54
1.00
−0.11
−0.19
−0.6 −0.4 −0.2 0.0 0.2
−0.5 0.0 0.5 1.0 1.5
55 60 65 70 75 80 85
−0.6 −0.4 −0.2 0.0 0.2
−0.3 −0.2 −0.1 0.0 0.1
−0.5 0.0 0.5 1.0 1.5


ETA1
ETA2
ETA3
BWT
50
60
70
80
90
0.2
0.0
−0.2
−0.4
−0.6
0.1
−0.1
−0.3
1.0
0.5
−0.5
11
5
9
1
7

Estimation vs EBE

$`Correlation of Covariates and EBE`

	BWT	ETA1	ETA2	ETA3
BWT	1.0000000	−0.3760556	−0.4175687	0.5367580
ETA1	−0.3760556	1.0000000	0.9963147	−0.1058277
ETA2	−0.4175687	0.9963147	1.0000000	−0.1907133
ETA3	0.5367580	−0.1058277	−0.1907133	1.0000000

$`Covariance of EBE`

	ETA1	ETA2	ETA3
ETA1	0.06391970	0.03052699	−0.01749107
ETA2	0.03052699	0.01468724	−0.01510952
ETA3	−0.01749107	−0.01510952	0.42736512

$`Omega Matrix`

	Eta 1	Eta 2	Eta 3
Eta 1	0.06249466	0.02979943	−0.01441463
Eta 2	0.02979943	0.01433738	−0.01372426
Eta 3	−0.01441463	−0.01372426	0.43373529

$`Ratios of Cov(EBE)/OM`

	ETA1	ETA2	ETA3
ETA1	1.022803	1.024415	1.2134253
ETA2	1.024415	1.024402	1.1009347
ETA3	1.213425	1.100935	0.9853132

$`Correlation of EBE`

	ETA1	ETA2	ETA3
ETA1	1.0000000	0.9963147	−0.1058277
ETA2	0.9963147	1.0000000	−0.1907133
ETA3	−0.1058277	−0.1907133	1.0000000

$`Correlation from Omega Matrix`

	Eta 1	Eta 2	Eta 3
Eta 1	1.0000000	0.9955235	−0.0875527
Eta 2	0.9955235	1.0000000	−0.1740370
Eta 3	−0.0875527	−0.1740370	1.0000000

$`Ratios of Cor(EBE)/(Cor from OM)`

	ETA1	ETA2	ETA3
ETA1	1.000000	1.000795	1.208732
ETA2	1.000795	1.000000	1.095820
ETA3	1.208732	1.095820	1.000000