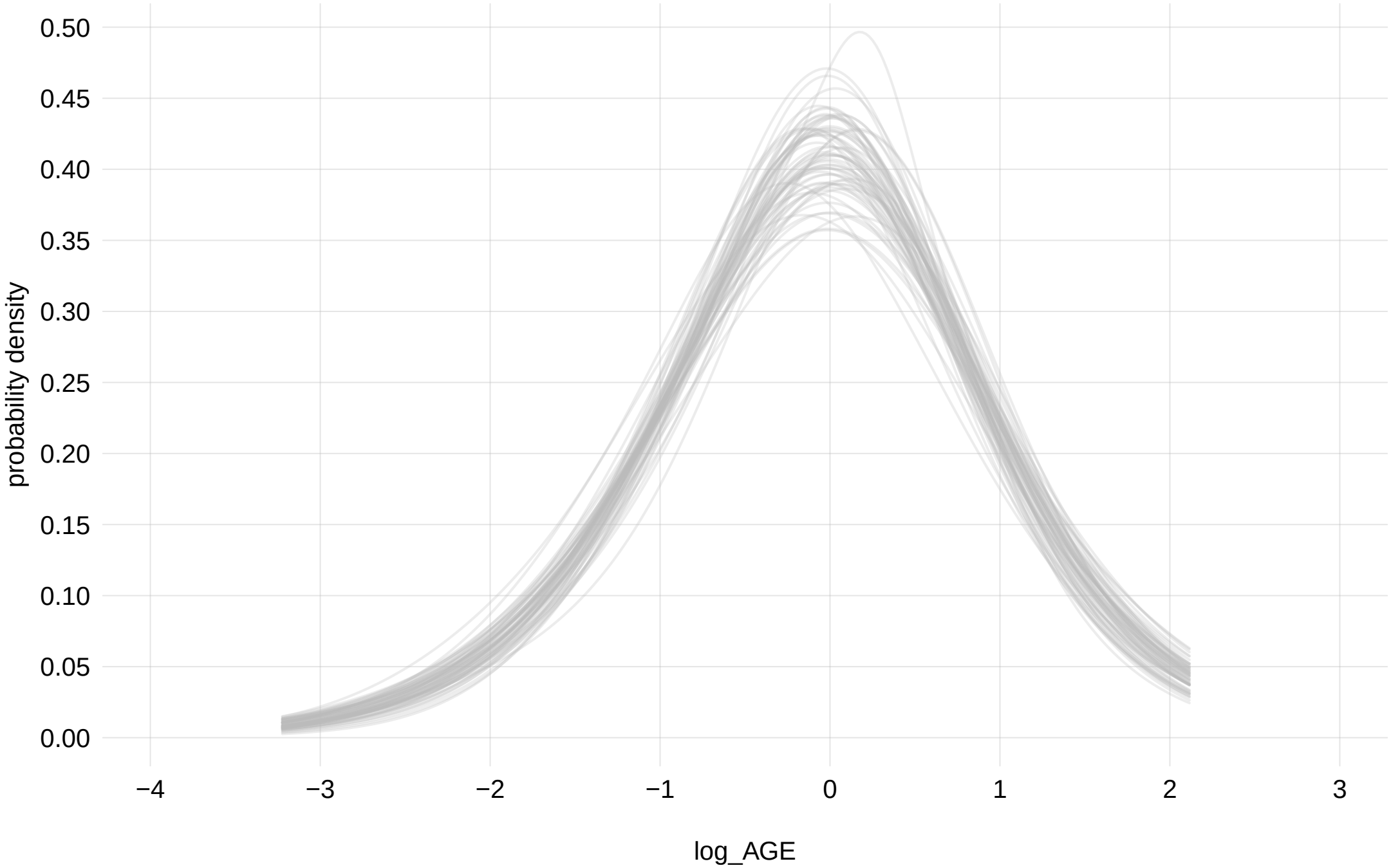
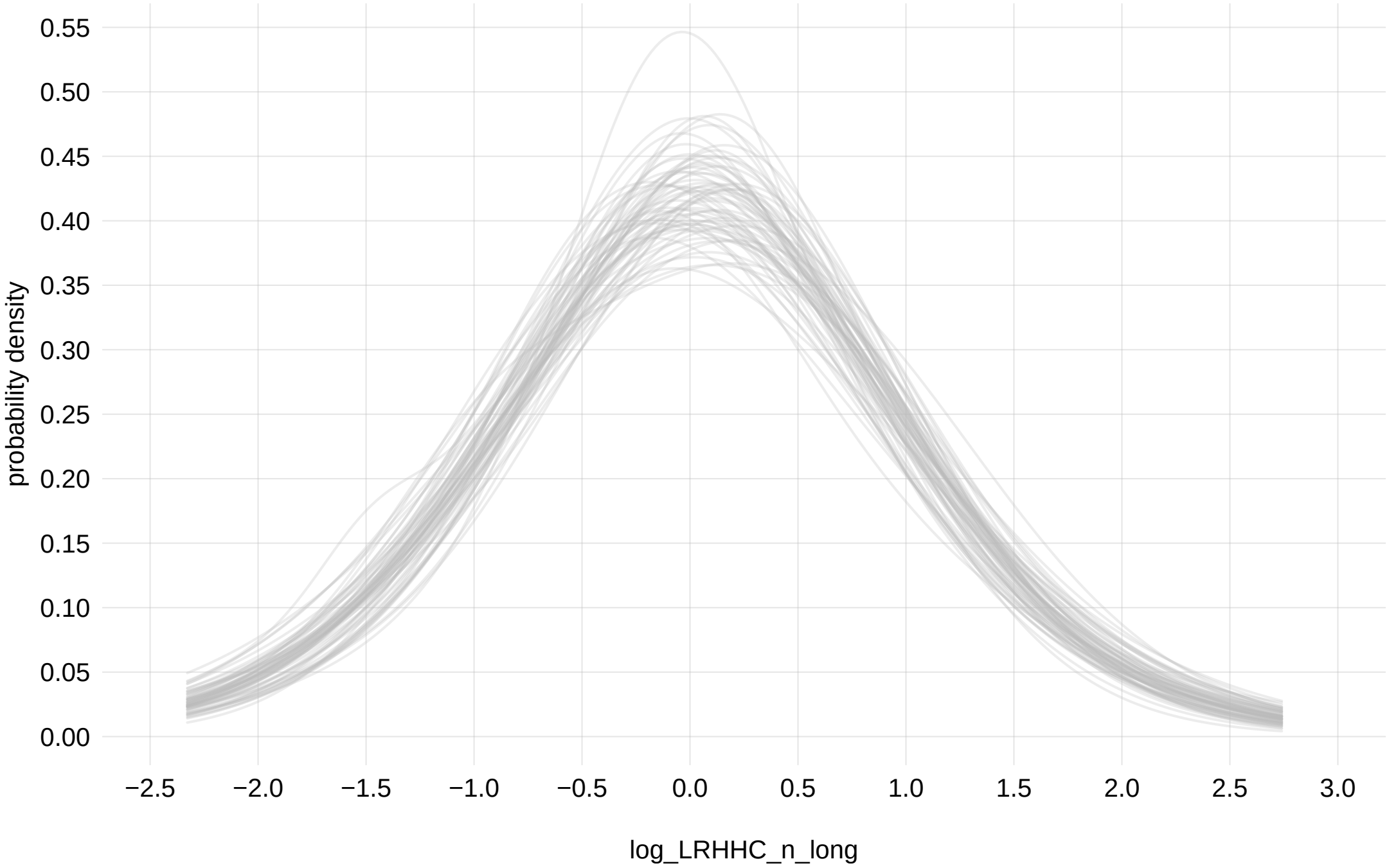
−− STATS maxD −−
min ESS = 2.2044604925031e−16
max BMK = 0.39940457236494
max MCSE = NaN
all stationary: FALSE
burn: 1020

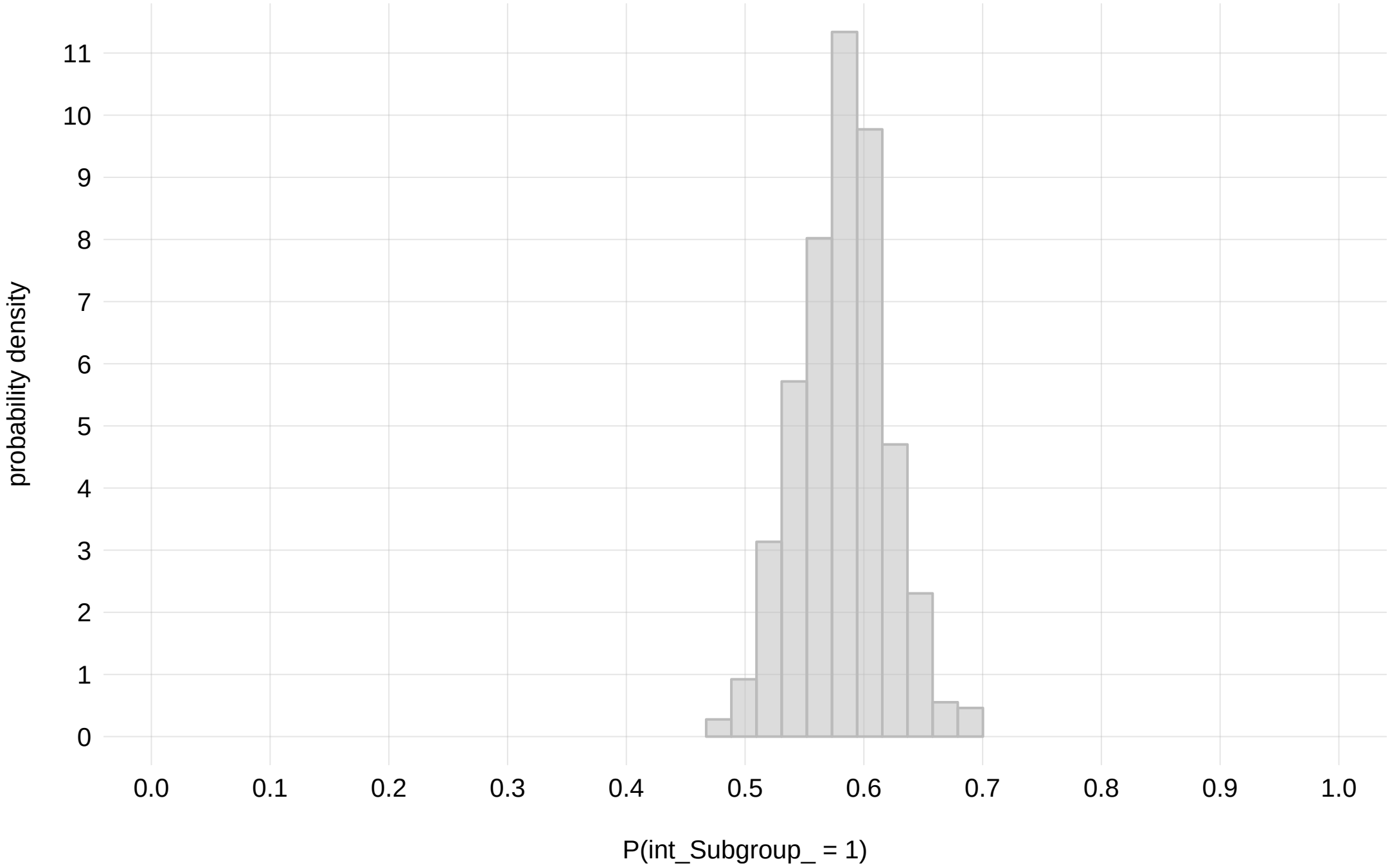
−− STATS 2D −−
min ESS = 51.6590546370336
max BMK = 0.239592386355422
max MCSE = 11.0179036212232
all stationary: FALSE
burn: 1020

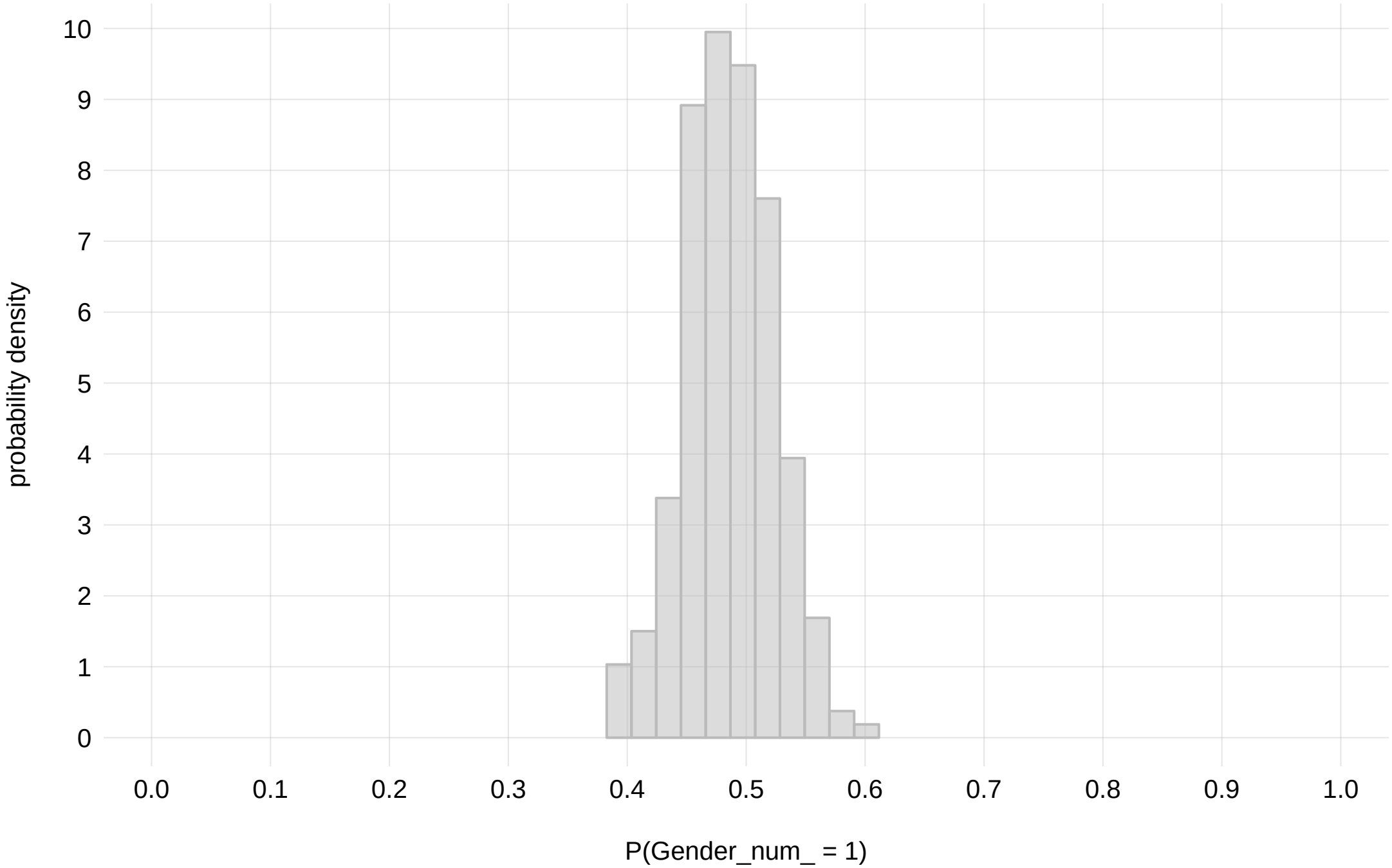
−− STATS 1D −−
min ESS = 150.977918619828
max BMK = 0.20833539065924
max MCSE = 6.99500473606397
all stationary: FALSE
burn: 1020

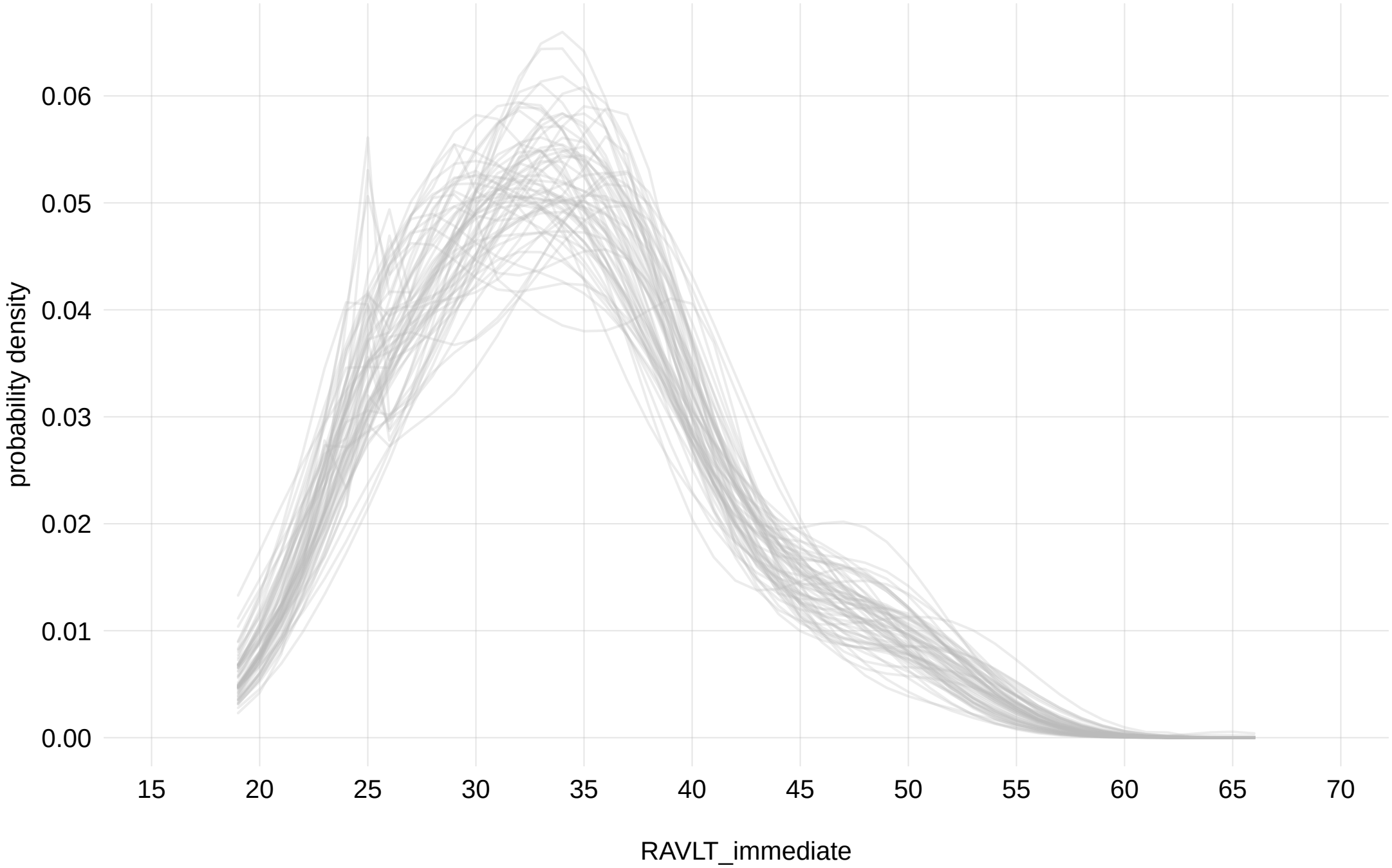
Occupied clusters: 23 of 32
LL: −4240 +− 16.2

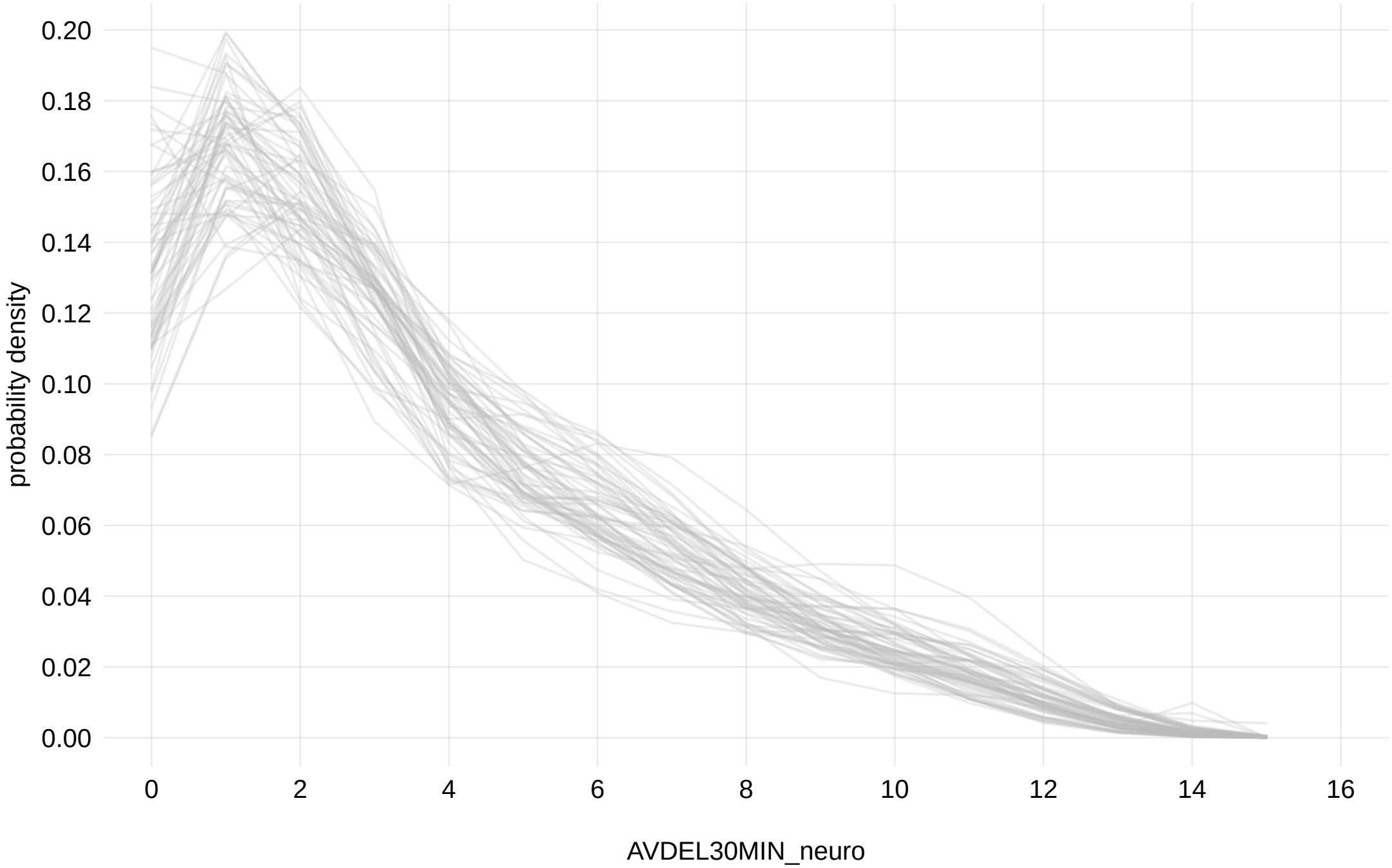

0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
probability density
−4
−3
−2
−1
0
1
2
3
log_AGE

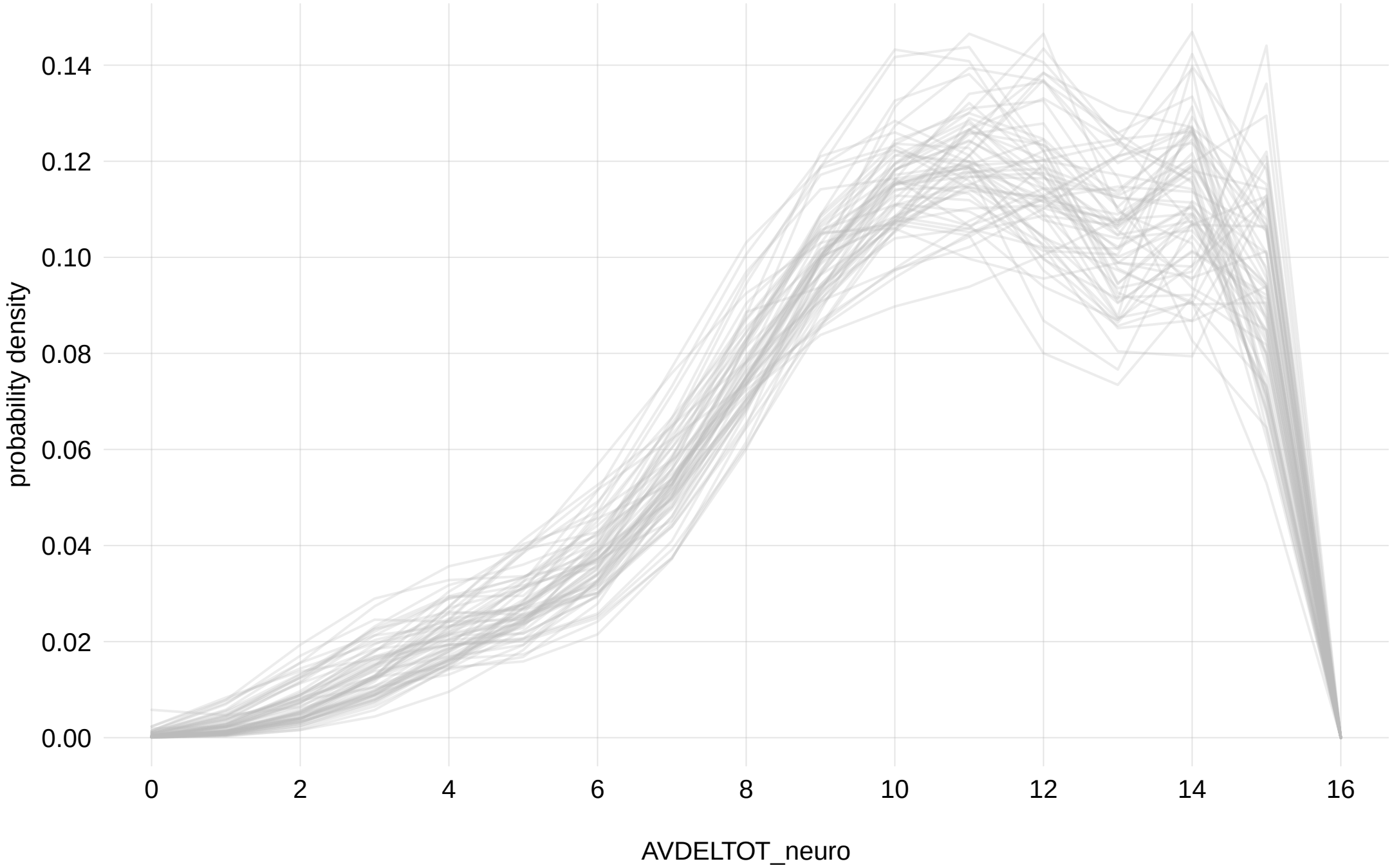

0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
probability density
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
log_LRHHC_n_long

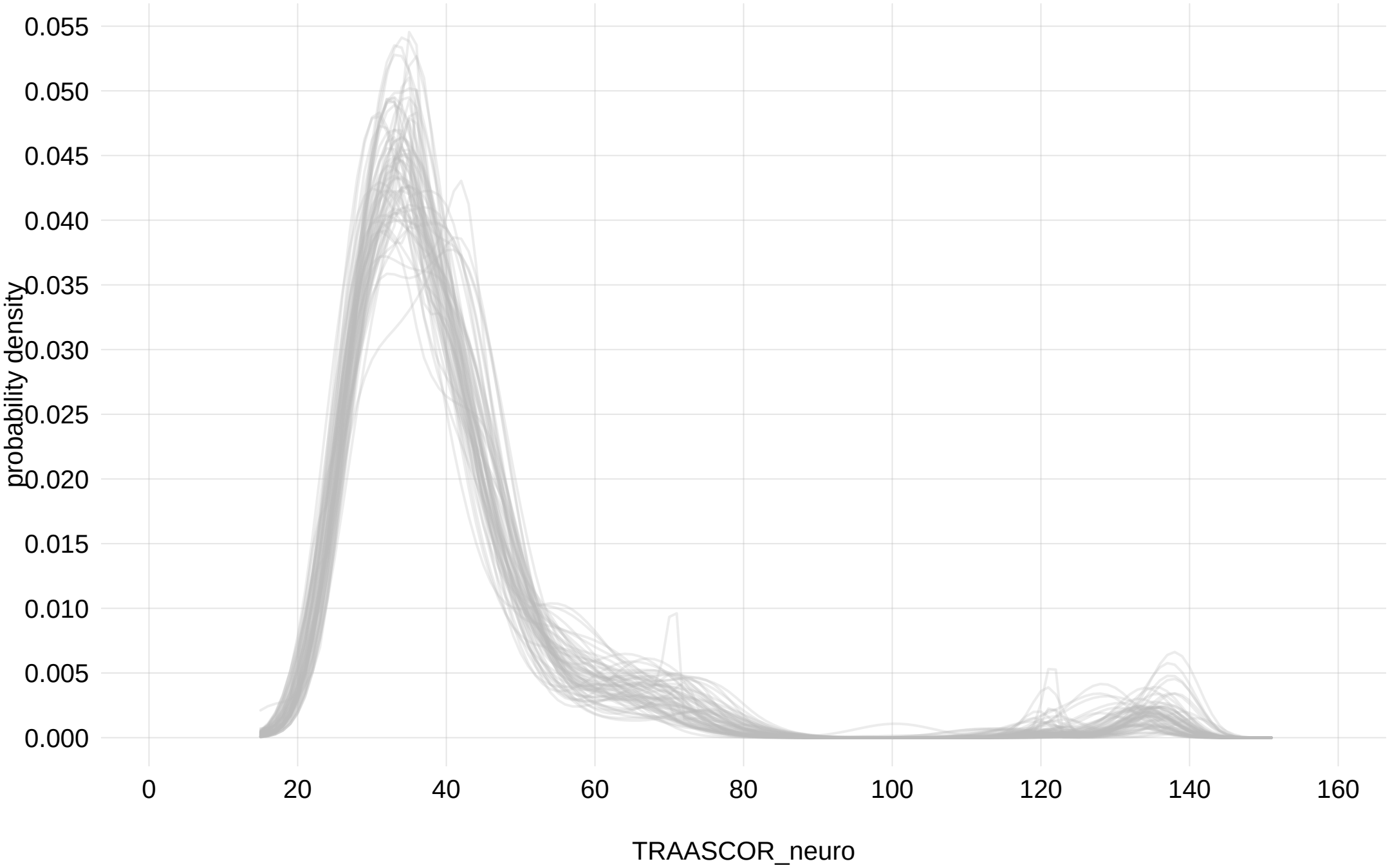

probability density
11
10
9
8
7
6
5
4
3
2
1
0
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
P(int_Subgroup_ = 1)

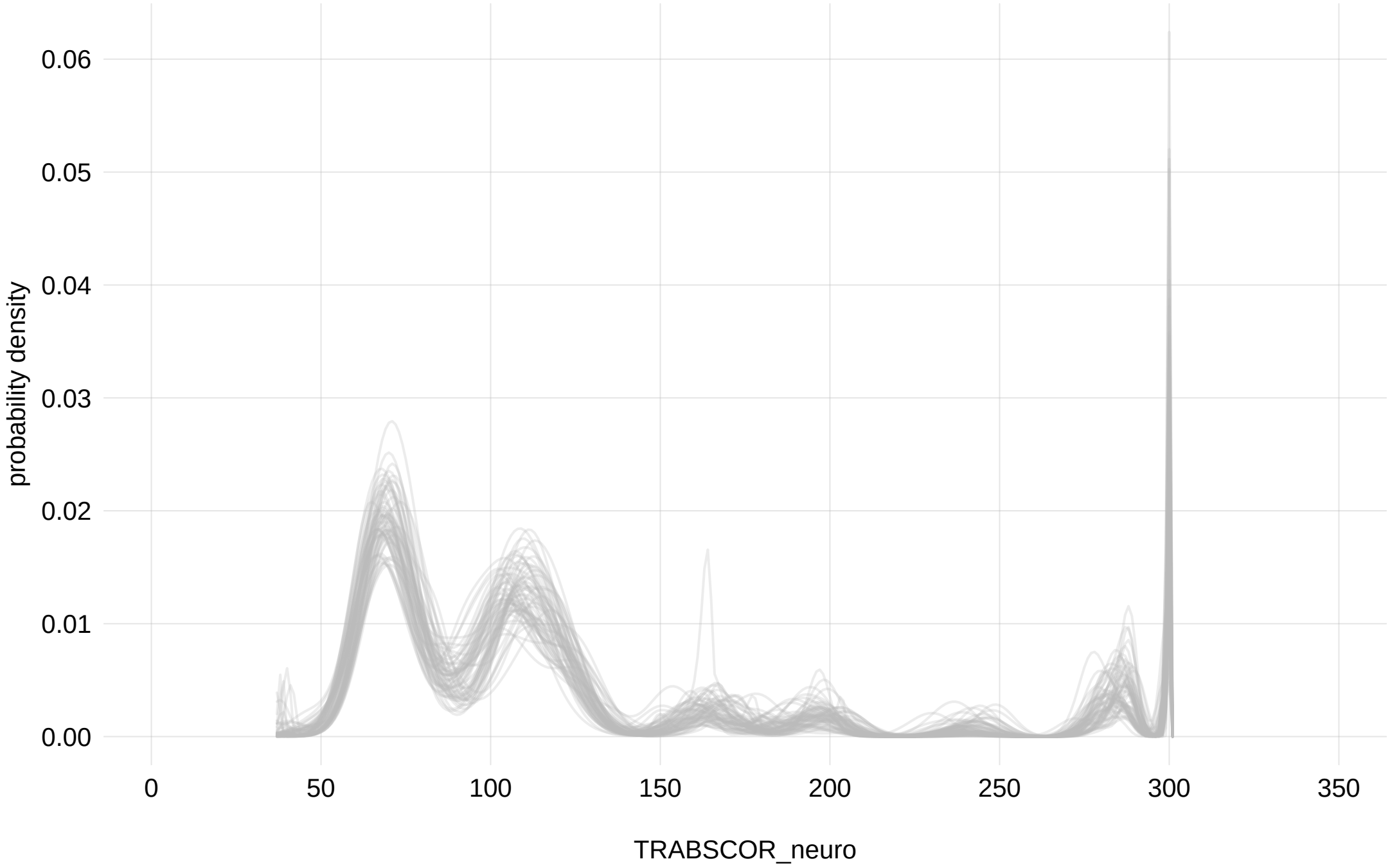

probability density
10
9
8
7
6
5
4
3
2
1
0
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
P(Gender_num_ = 1)

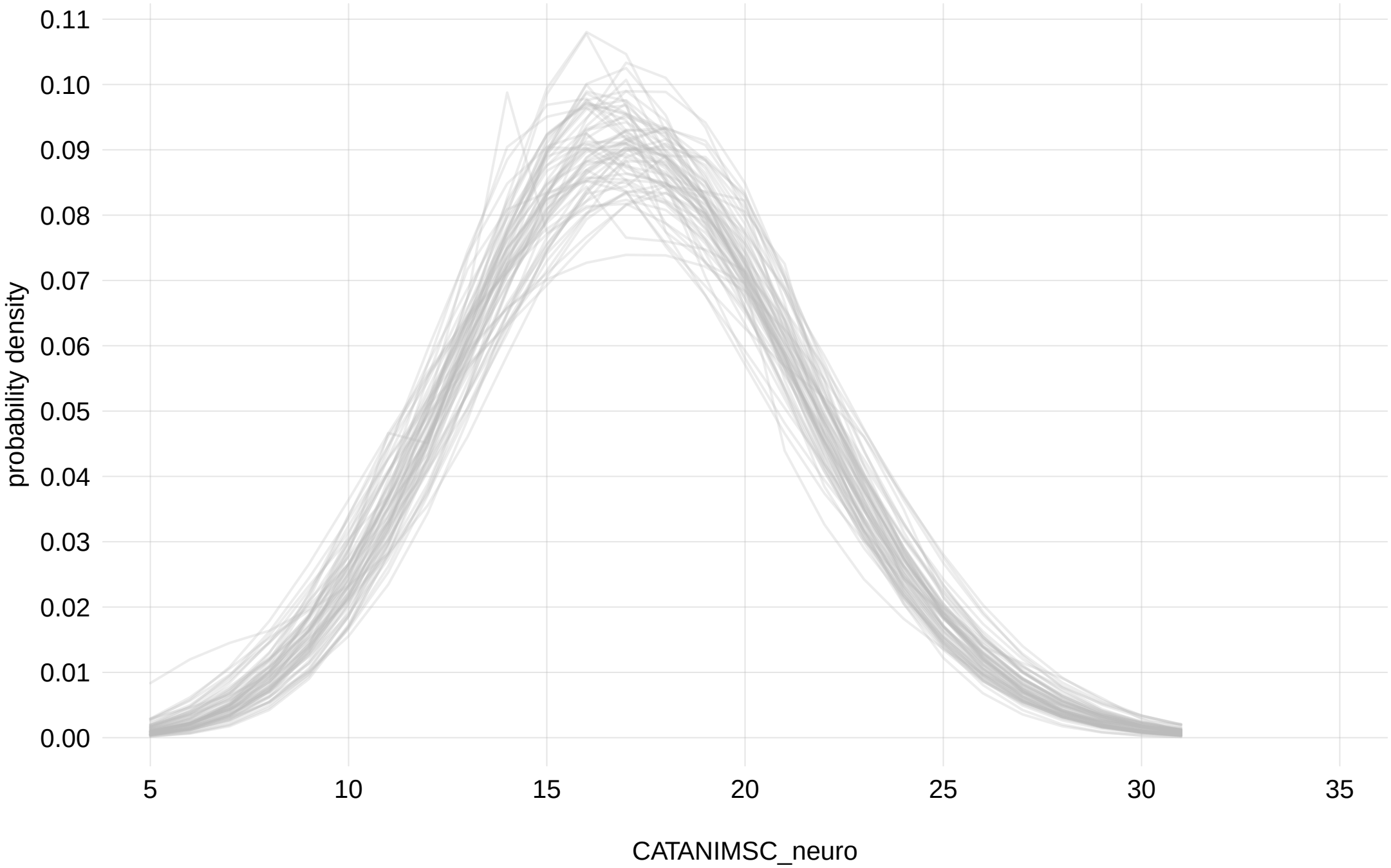

probability density
0.06
0.05
0.04
0.03
0.02
0.01
0.00
15
20
25
30
35
40
45
50
55
60
65
70
RAVLT_immediate

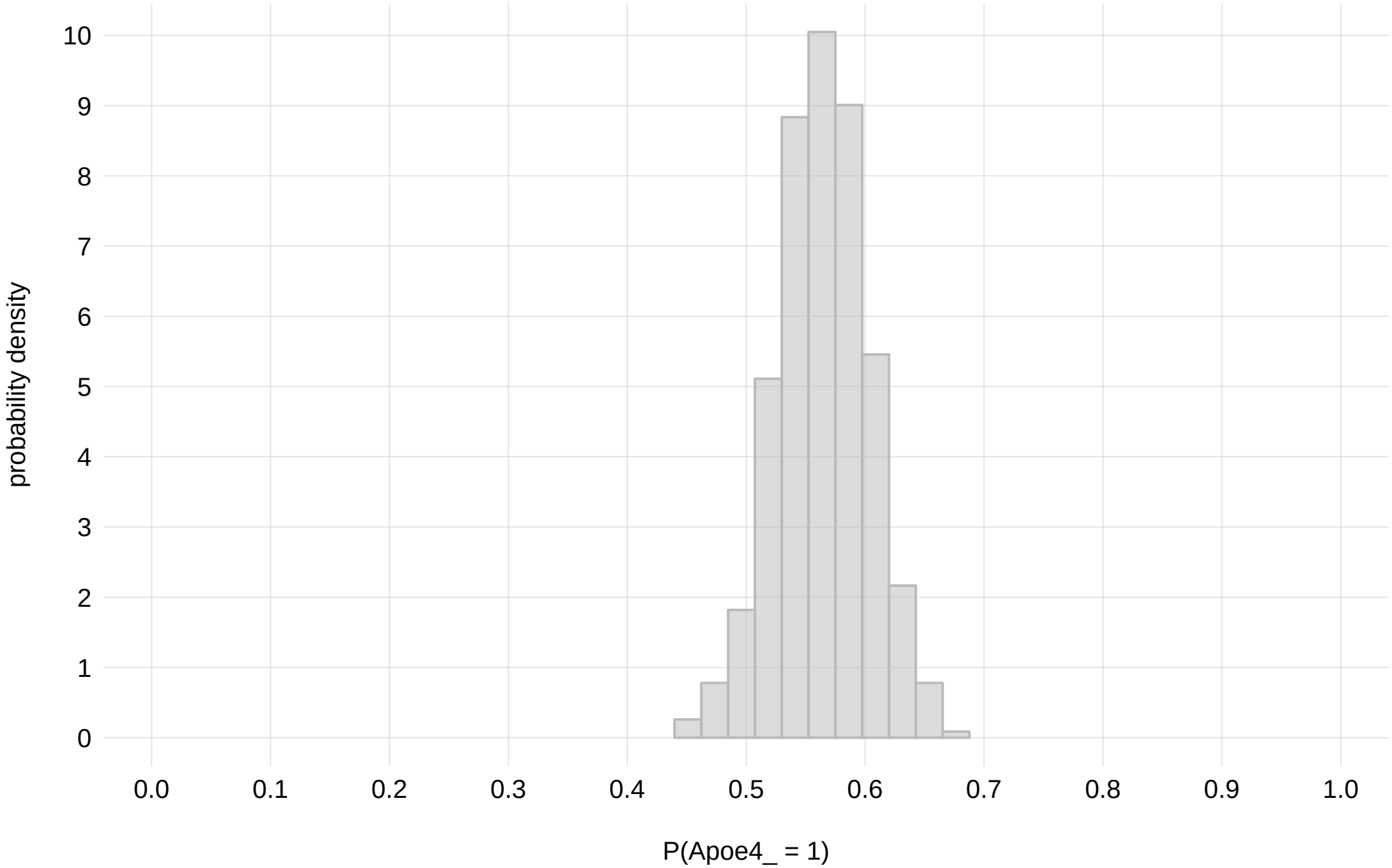

0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
probability density
0
2
4
6
8
10
12
14
16
AVDEL30MIN_neuro

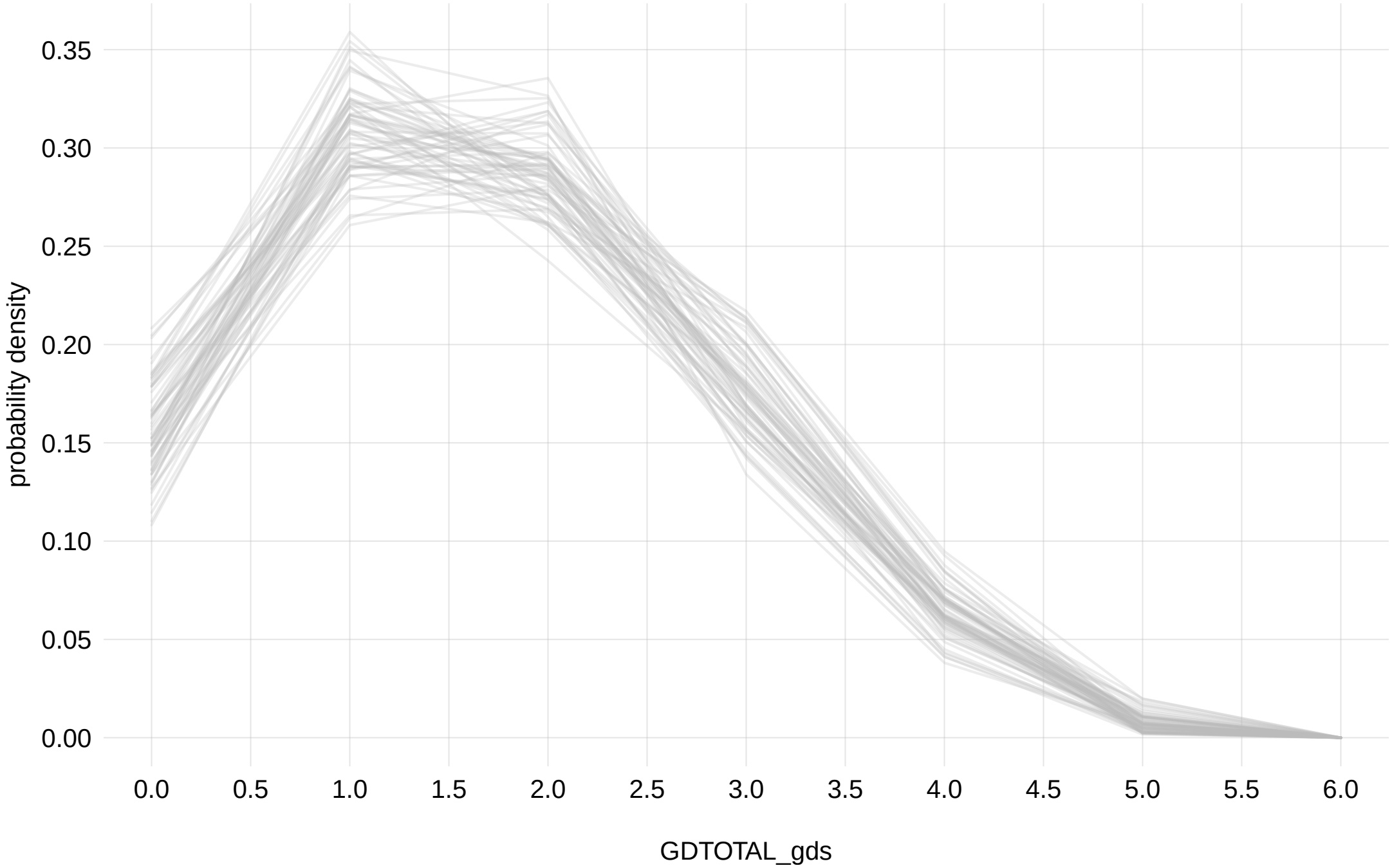

probability density
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
0
2
4
6
8
10
12
14
16
AVDELTOT_neuro

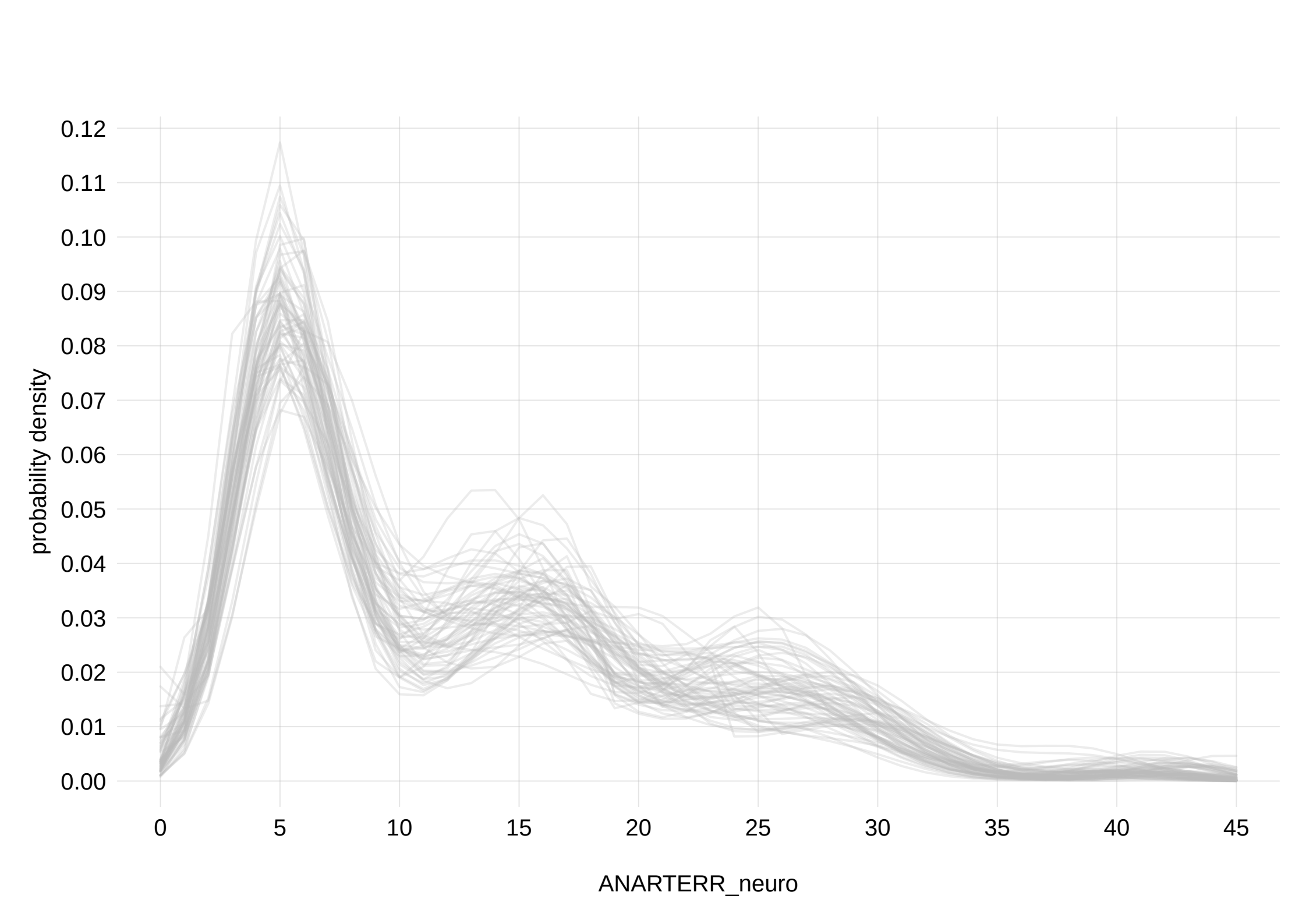

0.055
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
probability density
0
20
40
60
80
100
120
140
160
TRAASCOR_neuro

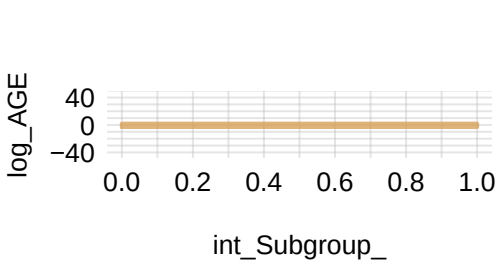

0.06
0.05
0.04
0.03
0.02
0.01
0.00
probability density
0
50
100
150
200
250
300
350
TRABSCOR_neuro

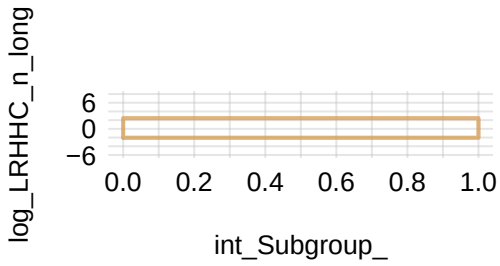

0.11
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
probability density
5
10
15
20
25
30
35
CATANIMSC_neuro

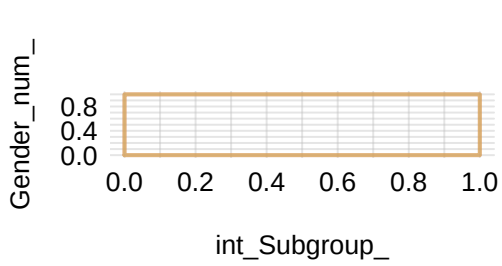

probability density
10
9
8
7
6
5
4
3
2
1
0
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
P(Apoe4_ = 1)

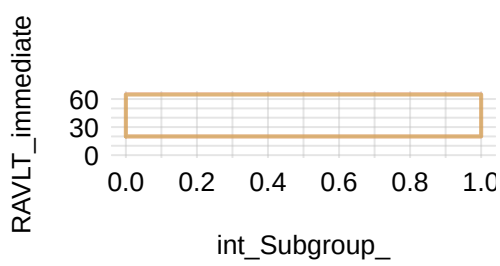

0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
probability density
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
GDTOTAL_gds

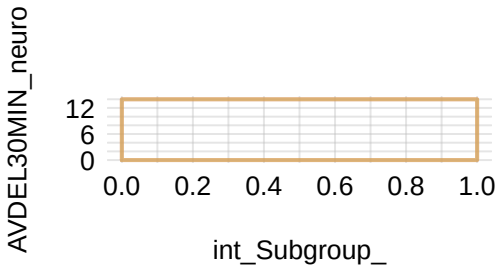

0.12
0.11
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
probability density
0
5
10
15
20
25
30
35
40
45
ANARTERR_neuro

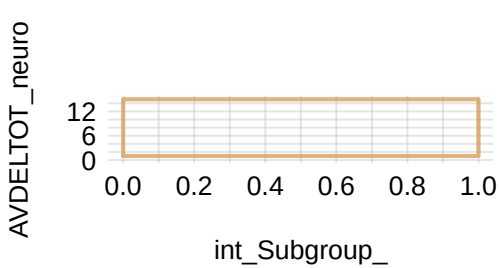

log_AGE
40
0
−40
0.0 0.2 0.4 0.6 0.8 1.0
int_Subgroup_

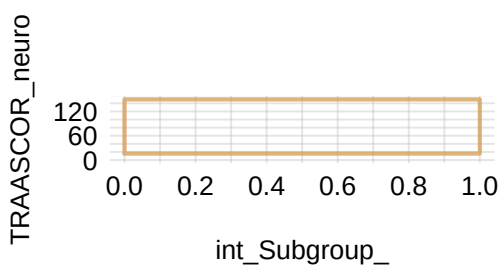

log_LRHHC_n_long
6
0
−6
0.0 0.2 0.4 0.6 0.8 1.0
int_Subgroup_

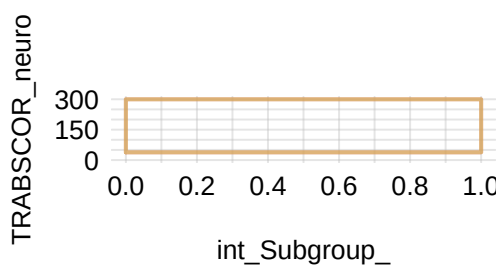

Gender_num_
0.8
0.4
0.0
0.0 0.2 0.4 0.6 0.8 1.0
int_Subgroup_

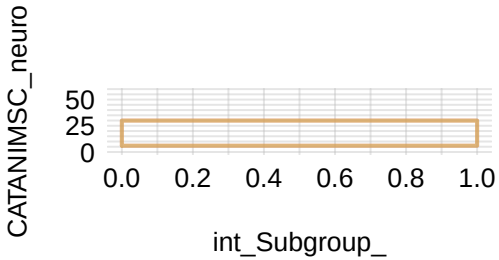

RAVLT_immediate
60
30
0
0.0 0.2 0.4 0.6 0.8 1.0
int_Subgroup_

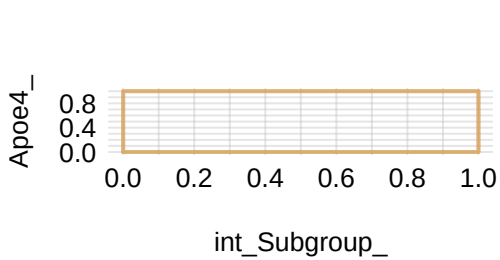

AVDEL30MIN_neuro
12
6
0
0.0 0.2 0.4 0.6 0.8 1.0
int_Subgroup_

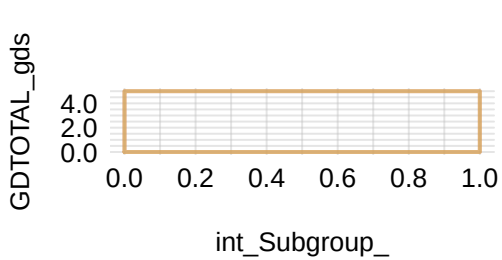

AVDELTOT_neuro
12
6
0
0.0 0.2 0.4 0.6 0.8 1.0
int_Subgroup_

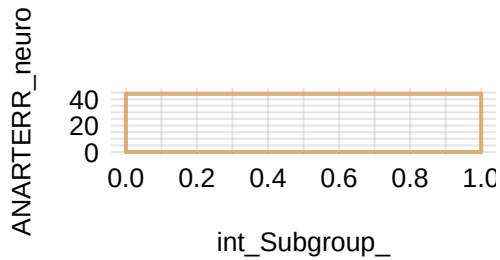

TRAASCOR_neuro
120
60
0
0.0 0.2 0.4 0.6 0.8 1.0
int_Subgroup_

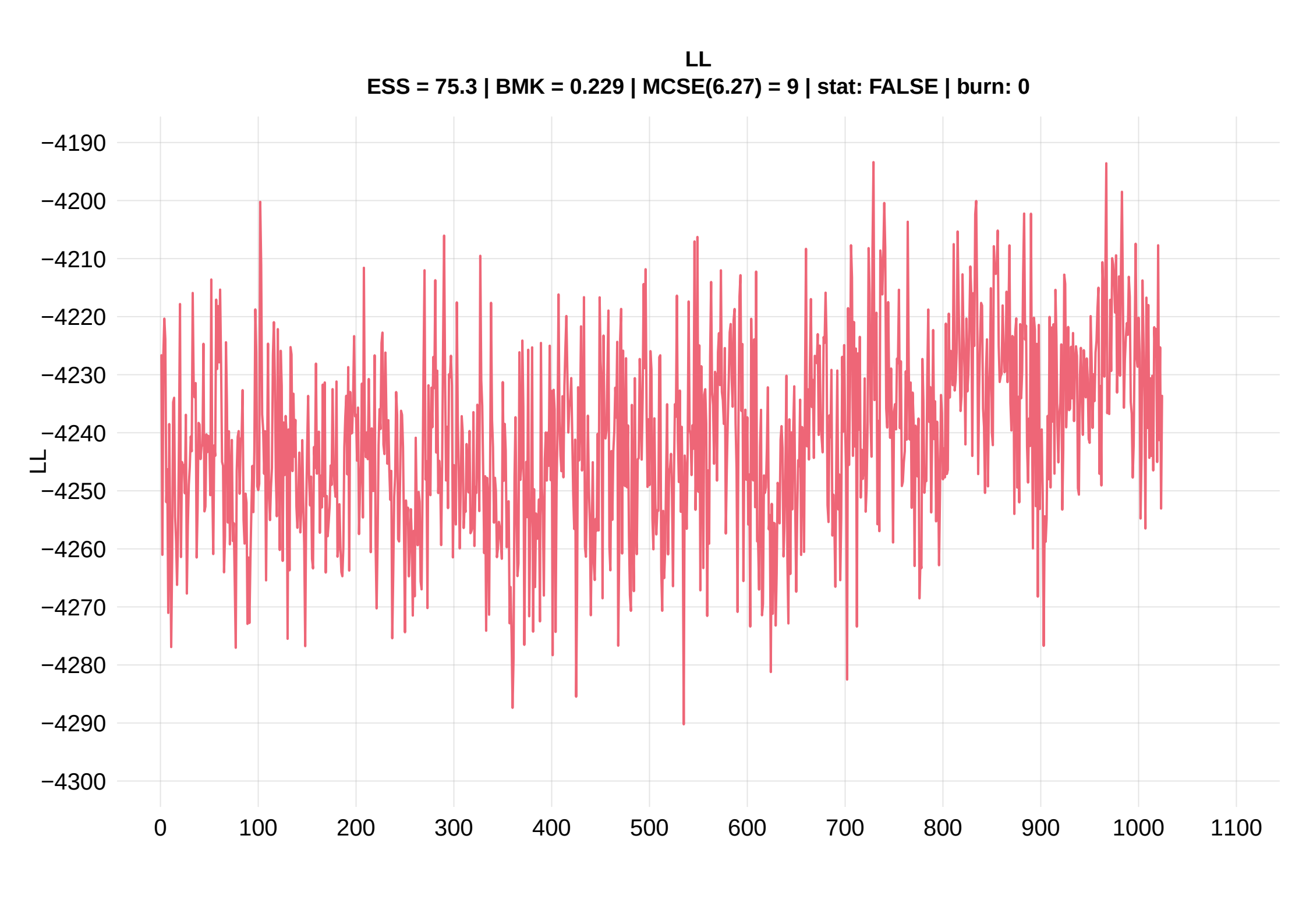

TRABSCOR_neuro
300
150
0
0.0 0.2 0.4 0.6 0.8 1.0
int_Subgroup_

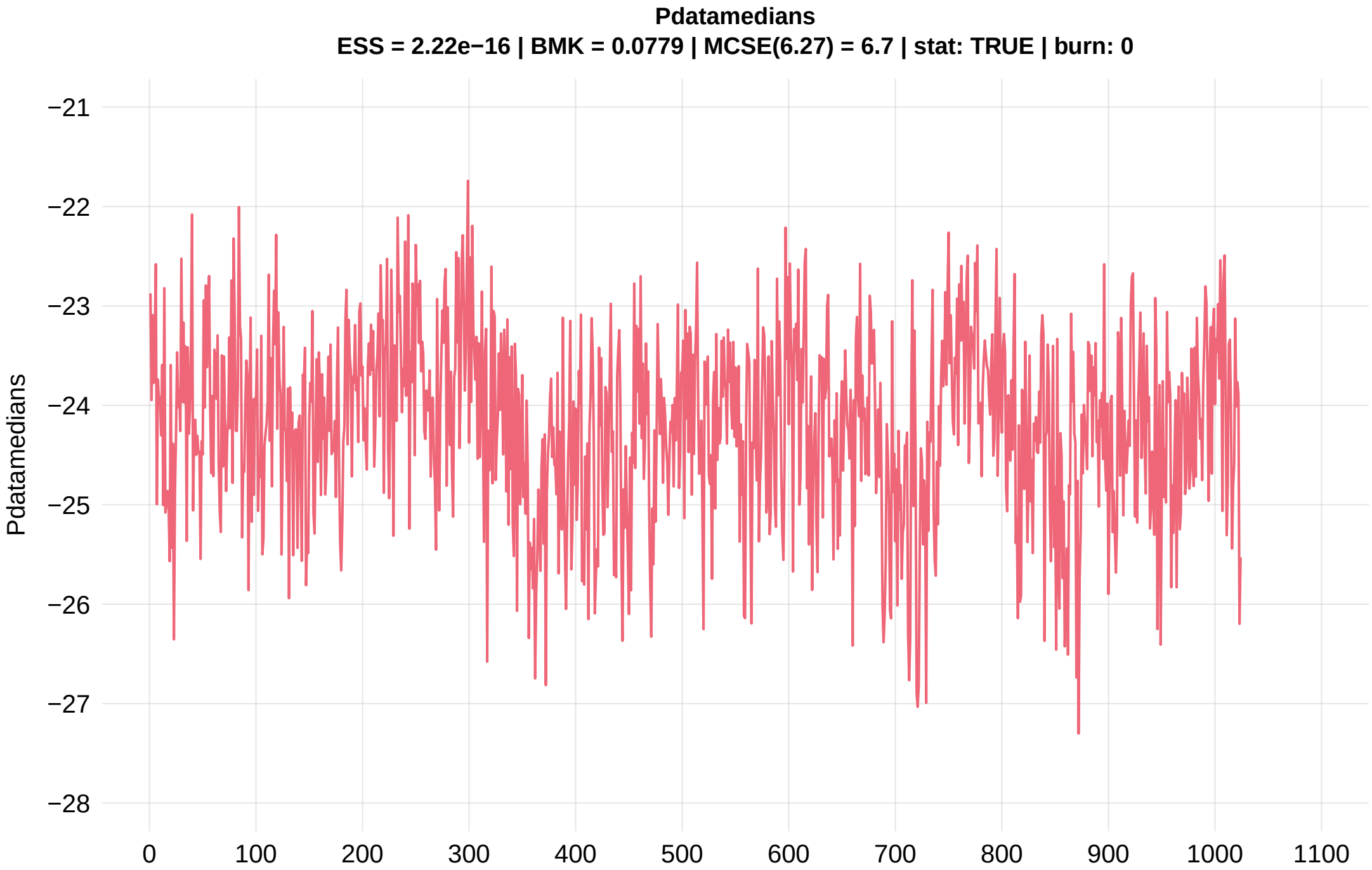

CATANIMSC_neuro
50
25
0
0.0 0.2 0.4 0.6 0.8 1.0
int_Subgroup_

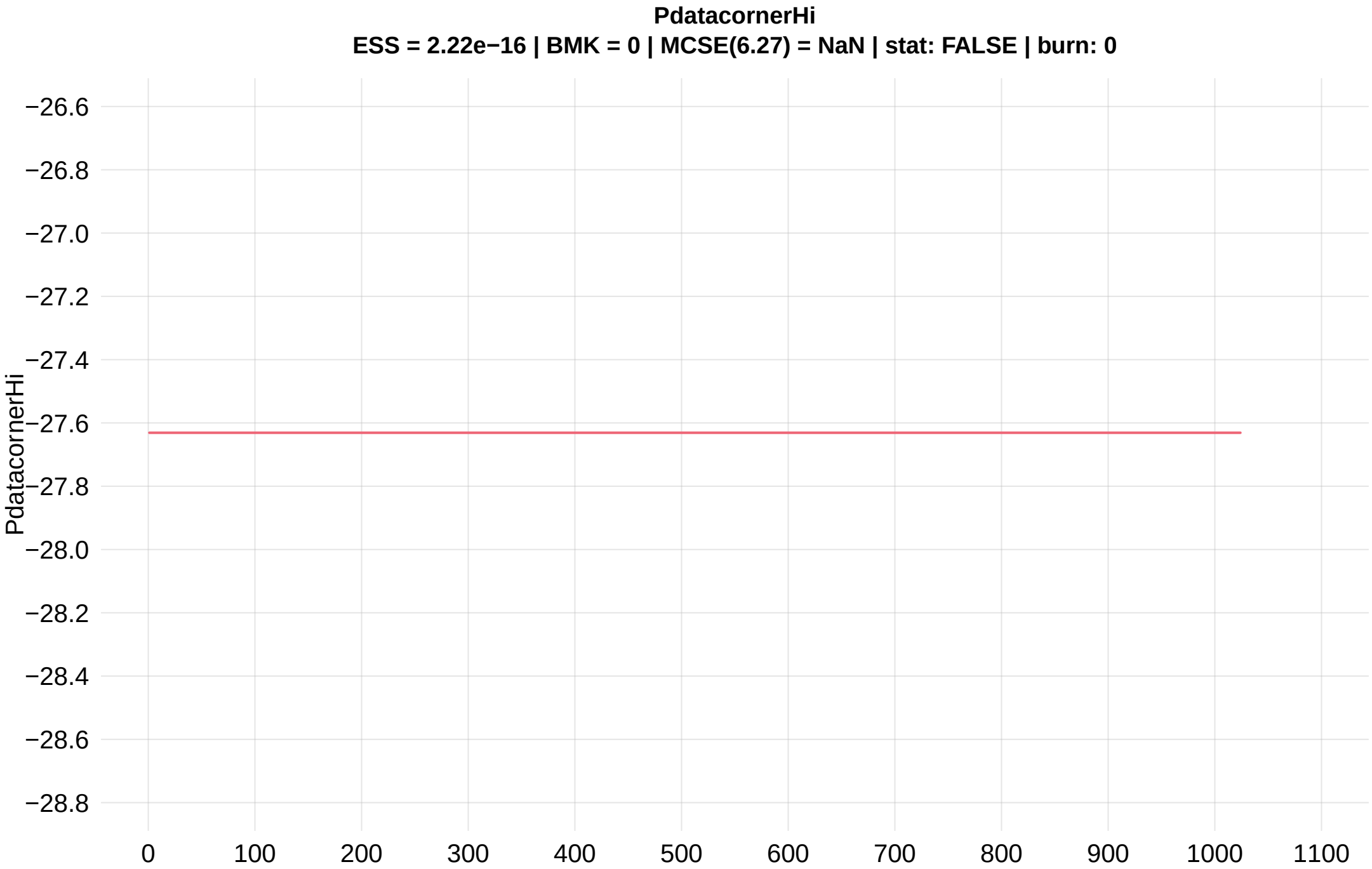

Apoe4_
0.8
0.4
0.0
0.0 0.2 0.4 0.6 0.8 1.0
int_Subgroup_

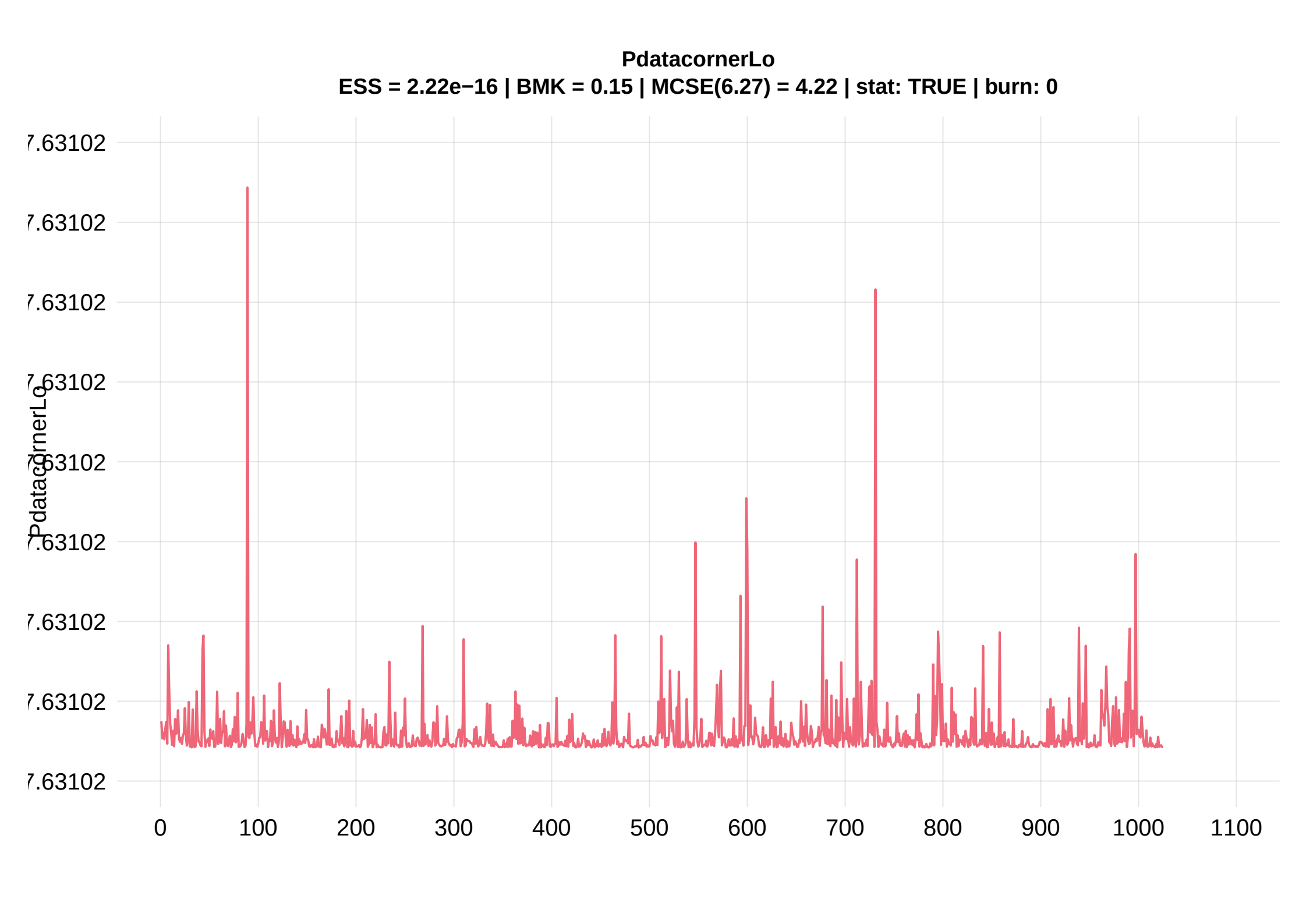

GDTOTAL_gds
4.0
2.0
0.0
0.0 0.2 0.4 0.6 0.8 1.0
int_Subgroup_

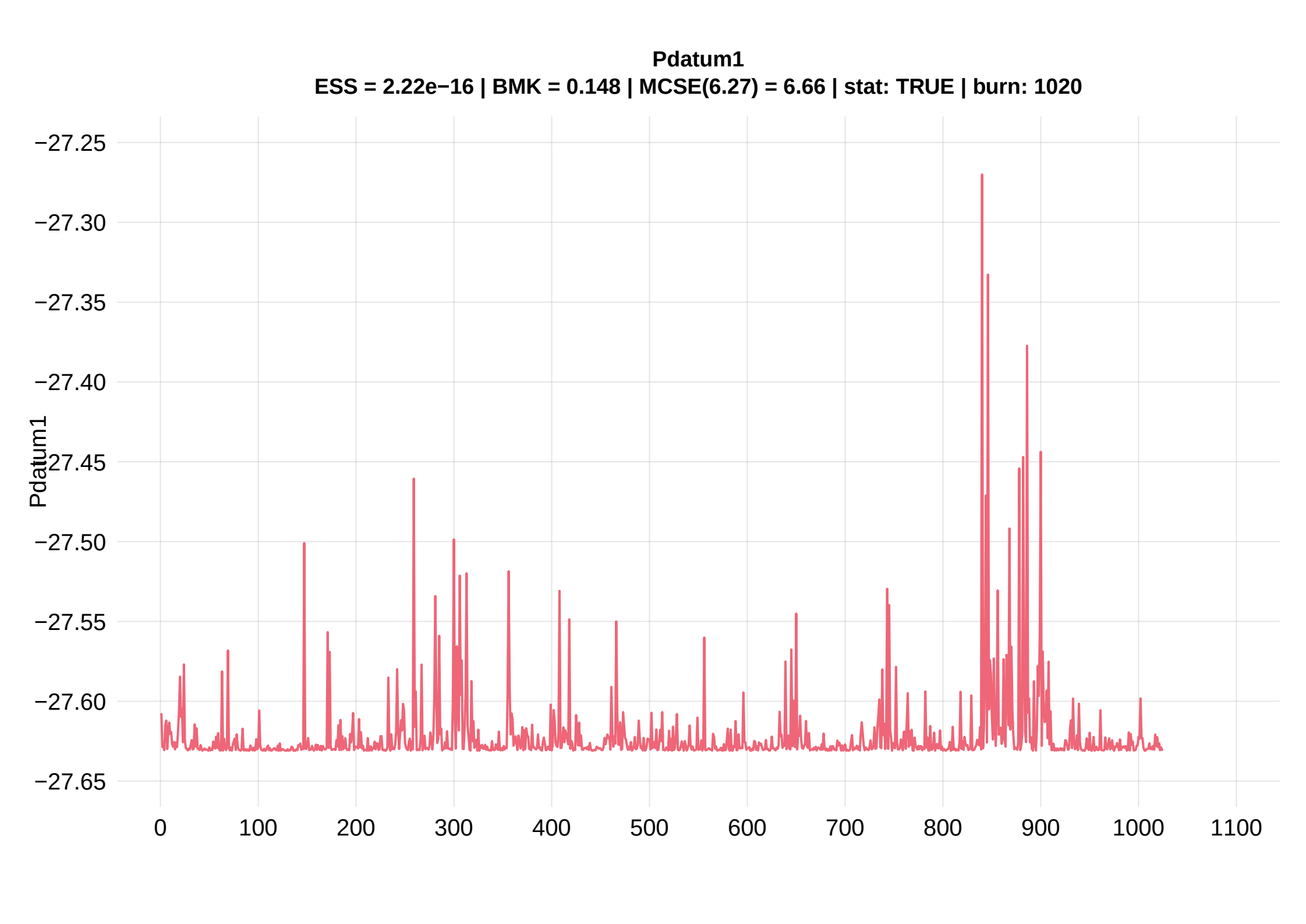

ANARTERR_neuro
40
20
0
0.0 0.2 0.4 0.6 0.8 1.0
int_Subgroup_

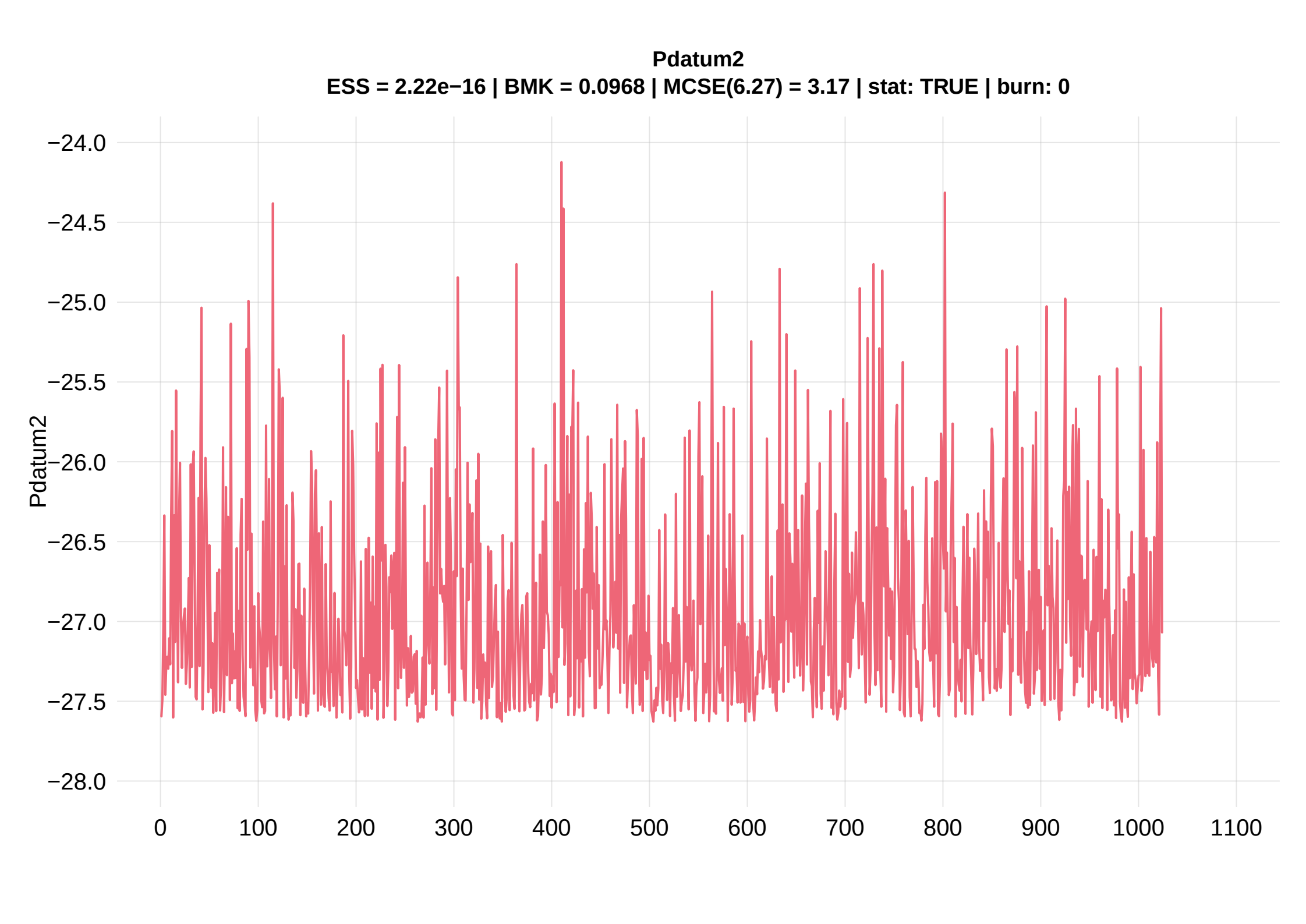

LL
ESS = 75.3 | BMK = 0.229 | MCSE(6.27) = 9 | stat: FALSE | burn: 0
LL
−4190
−4200
−4210
−4220
−4230
−4240
−4250
−4260
−4270
−4280
−4290
−4300
0
100
200
300
400
500
600
700
800
900
1000
1100

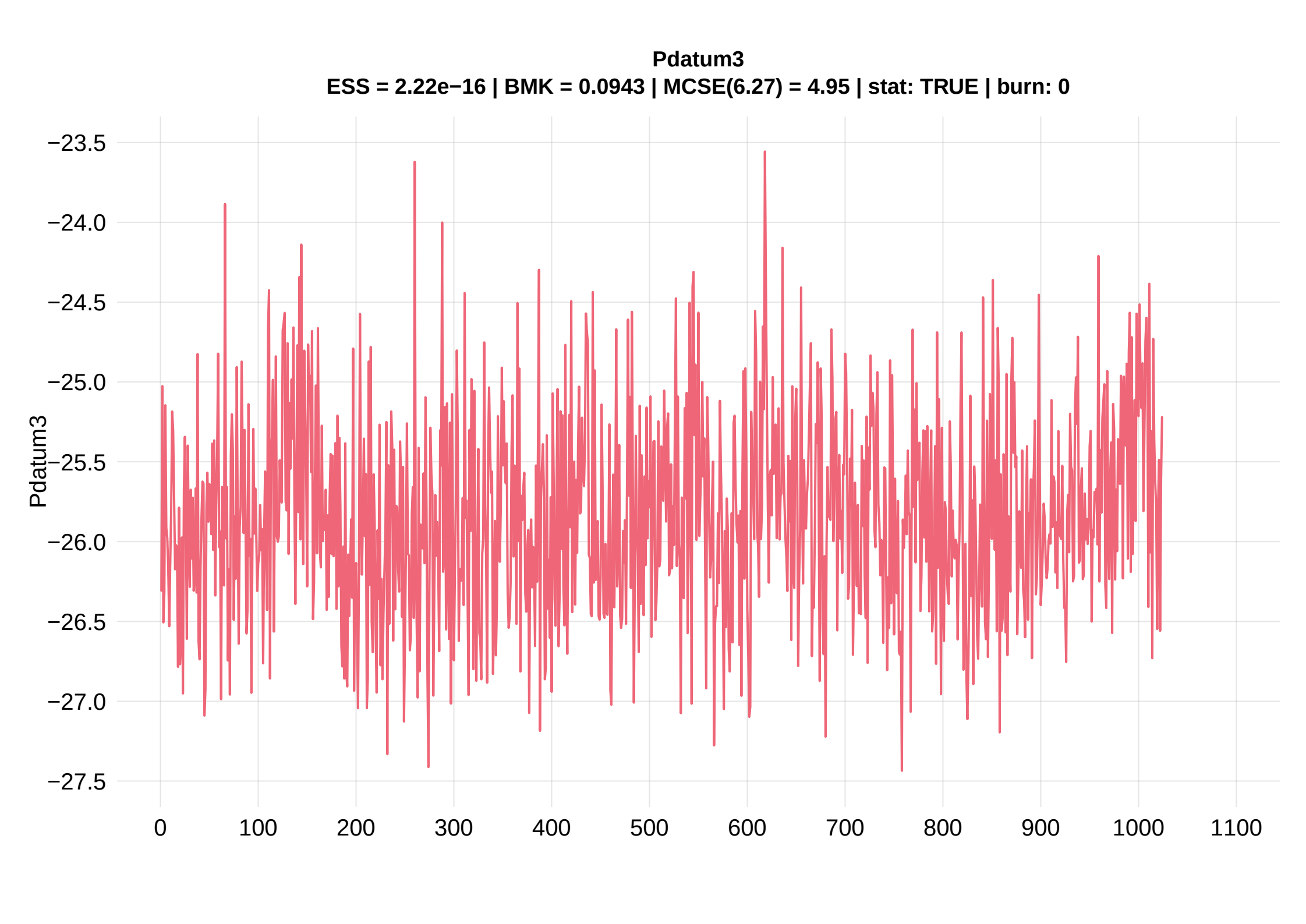

Pdatamedians
ESS = 2.22e−16 | BMK = 0.0779 | MCSE(6.27) = 6.7 | stat: TRUE | burn: 0
Pdatamedians
−21
−22
−23
−24
−25
−26
−27
−28
0
100
200
300
400
500
600
700
800
900
1000
1100

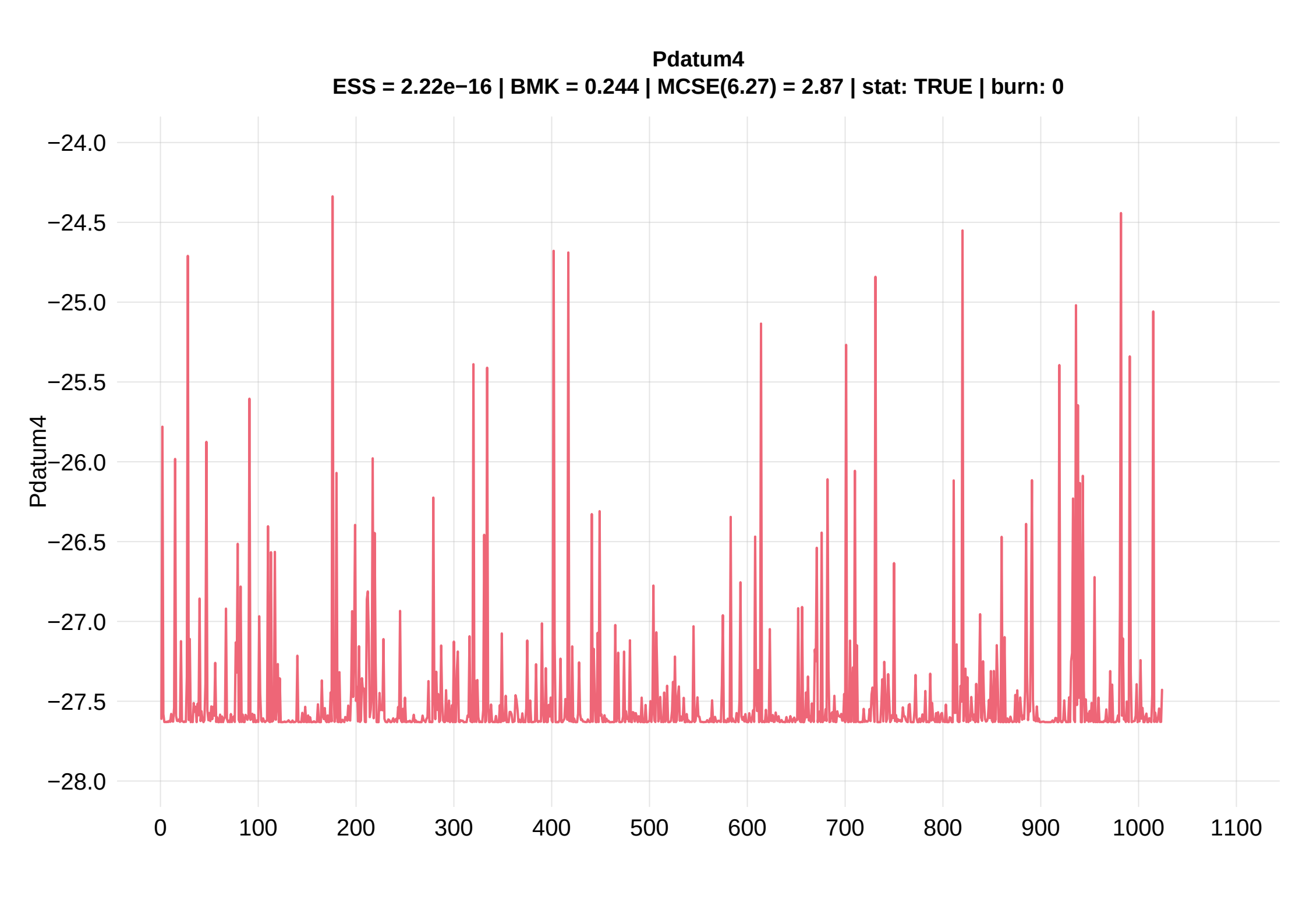

PdatacornerHi
ESS = 2.22e−16 | BMK = 0 | MCSE(6.27) = NaN | stat: FALSE | burn: 0
PdatacornerHi
−26.6
−26.8
−27.0
−27.2
−27.4
−27.6
−27.8
−28.0
−28.2
−28.4
−28.6
−28.8
0
100
200
300
400
500
600
700
800
900
1000
1100

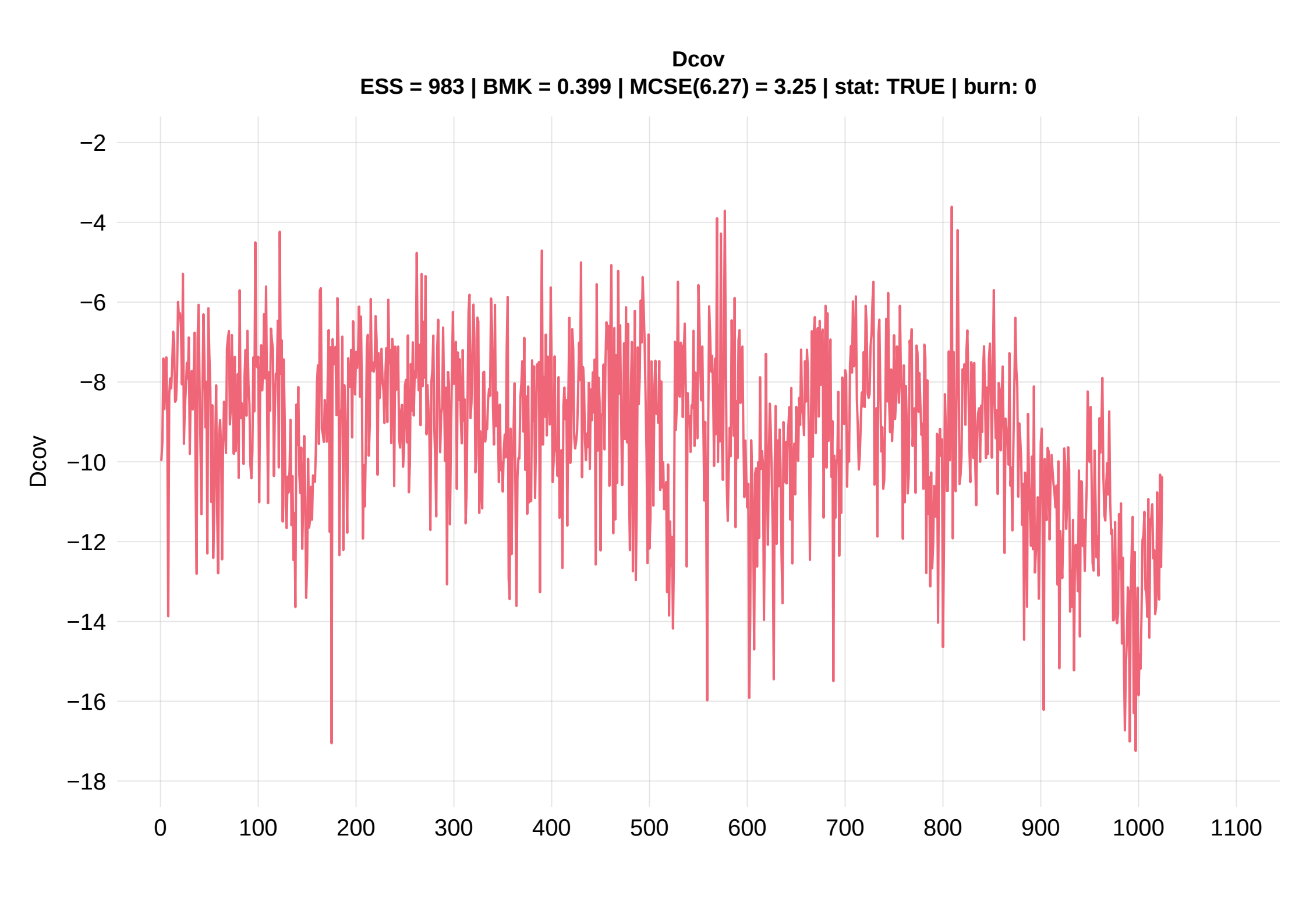

PdatacornerLo
ESS = 2.22e−16 | BMK = 0.15 | MCSE(6.27) = 4.22 | stat: TRUE | burn: 0
7.63102
7.63102
7.63102
7.63102
7.63102
7.63102
7.63102
PdatacornerLo
0
100
200
300
400
500
600
700
800
900
1000
1100

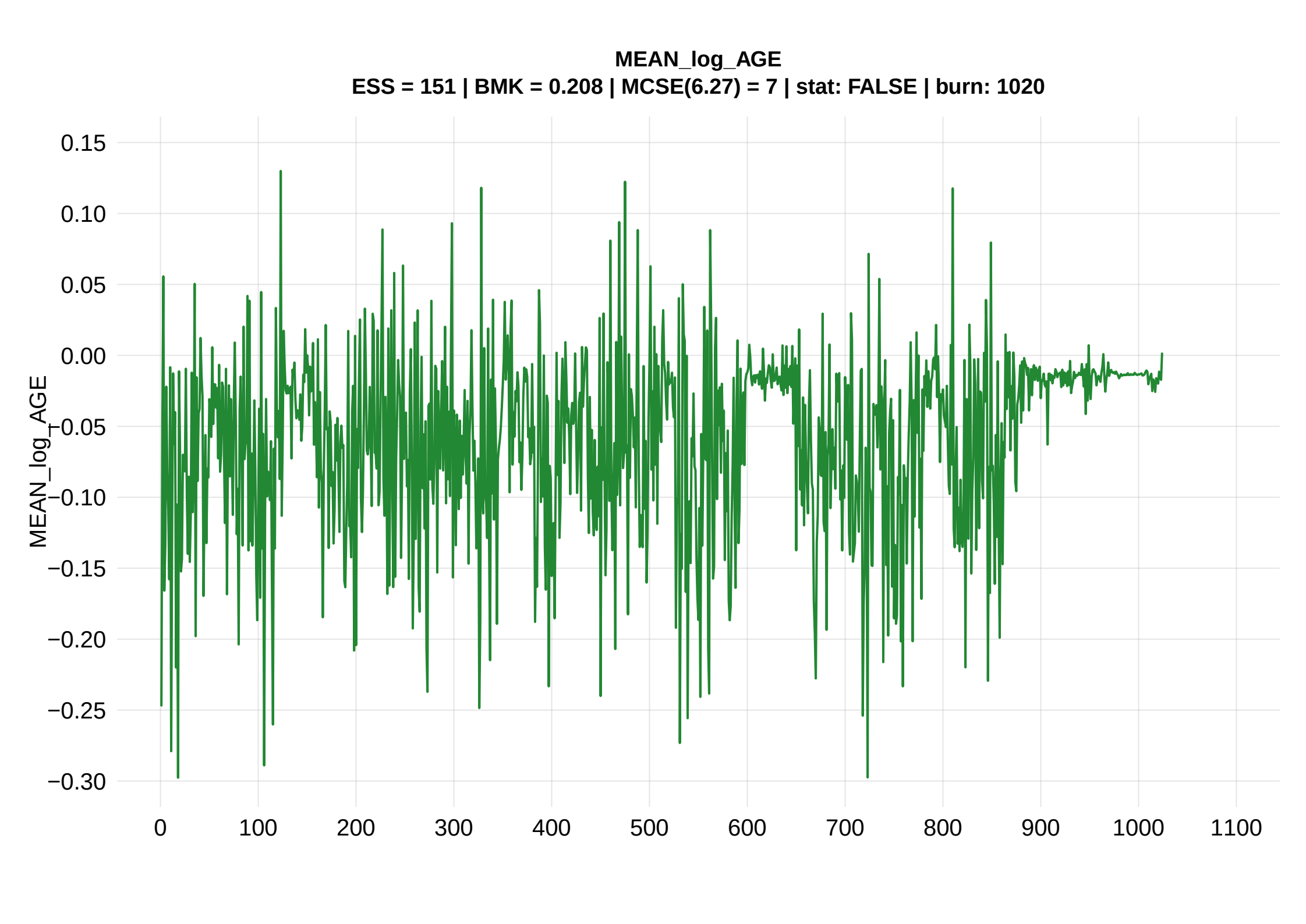

Pdatum1
ESS = 2.22e−16 | BMK = 0.148 | MCSE(6.27) = 6.66 | stat: TRUE | burn: 1020
−27.25
−27.30
−27.35
−27.40
−27.45
−27.50
−27.55
−27.60
−27.65
Pdatum1
0
100
200
300
400
500
600
700
800
900
1000
1100

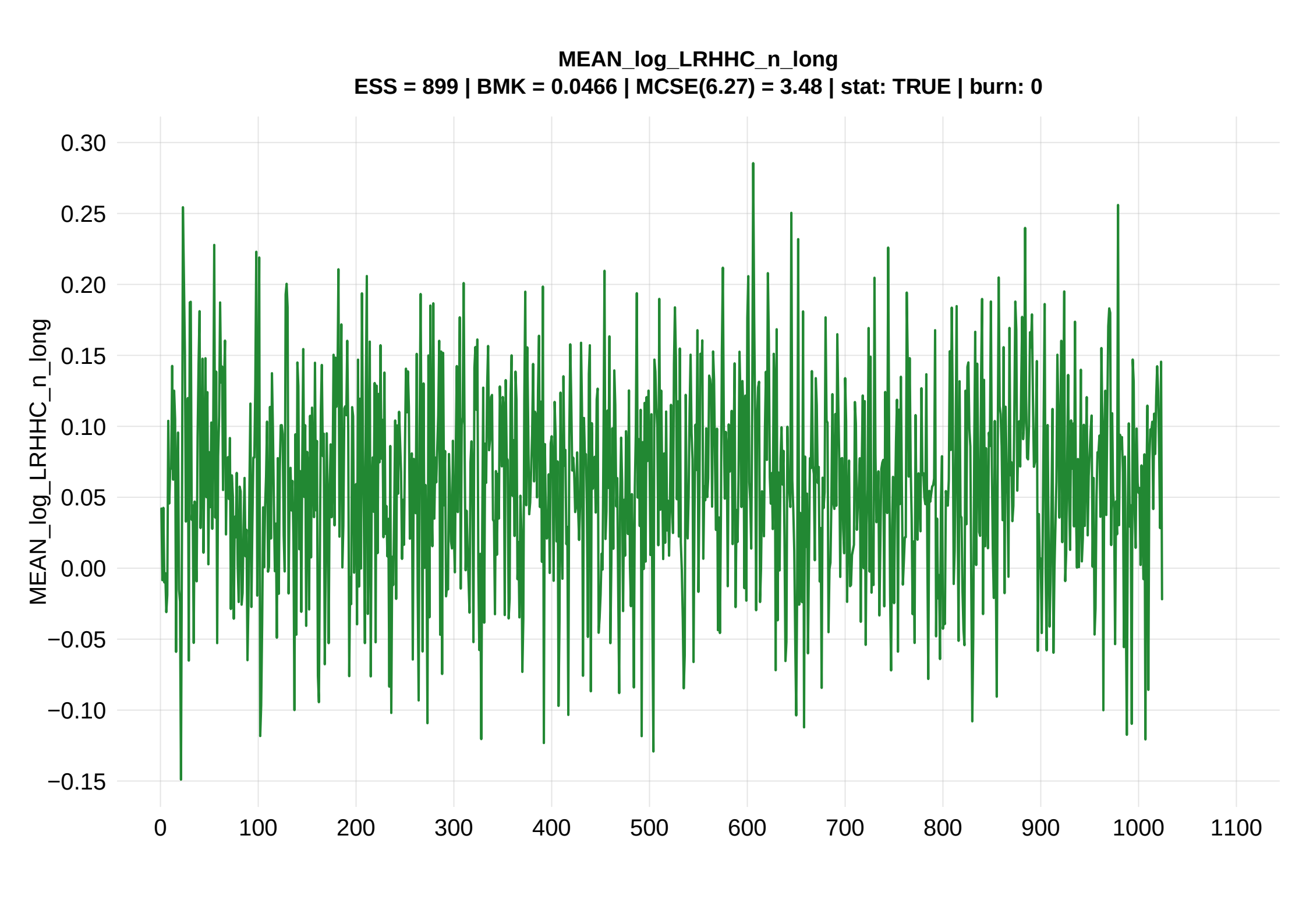

Pdatum2
ESS = 2.22e−16 | BMK = 0.0968 | MCSE(6.27) = 3.17 | stat: TRUE | burn: 0
Pdatum2
−24.0
−24.5
−25.0
−25.5
−26.0
−26.5
−27.0
−27.5
−28.0
0
100
200
300
400
500
600
700
800
900
1000
1100

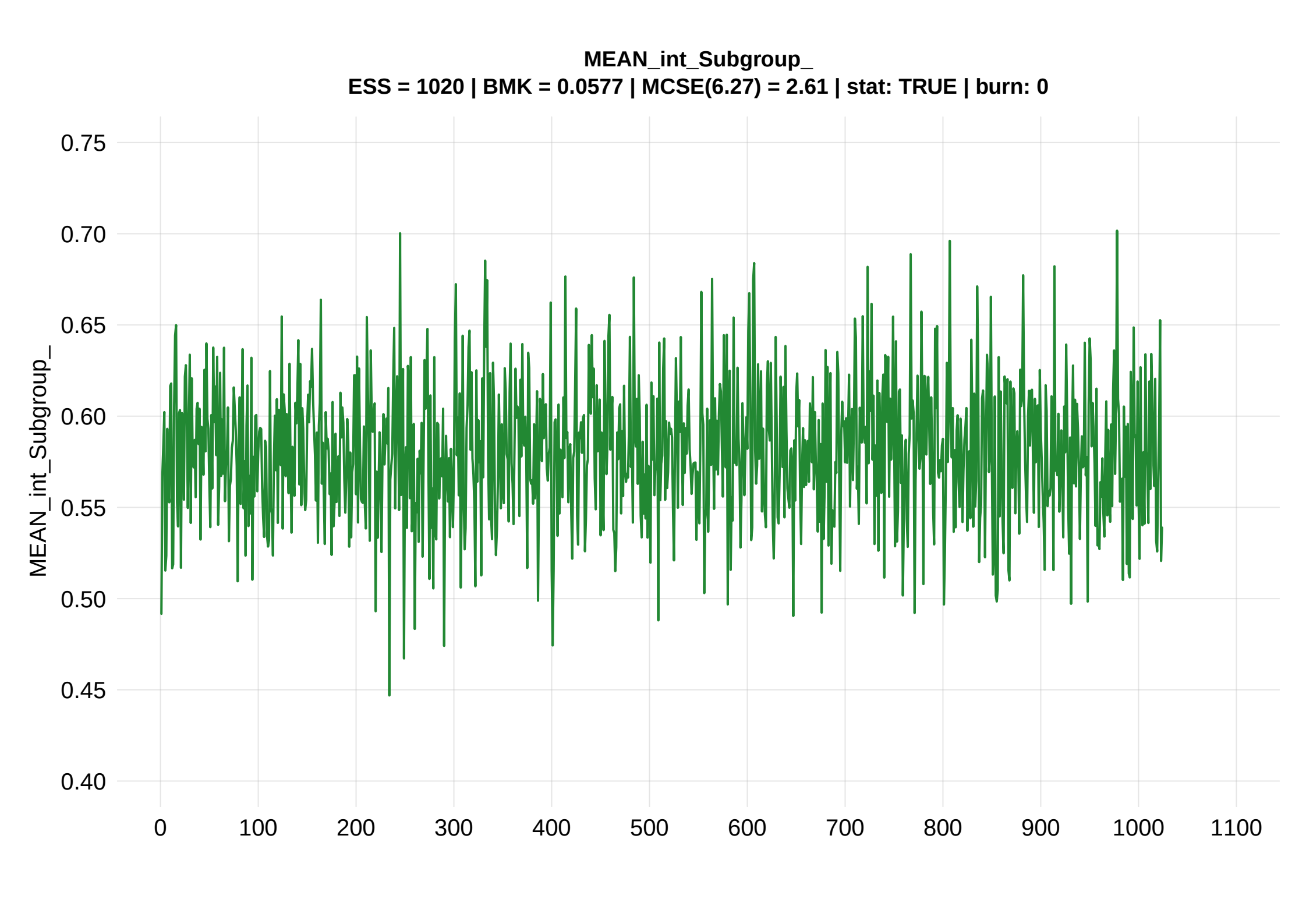

Pdatum3
ESS = 2.22e−16 | BMK = 0.0943 | MCSE(6.27) = 4.95 | stat: TRUE | burn: 0
Pdatum3
−23.5
−24.0
−24.5
−25.0
−25.5
−26.0
−26.5
−27.0
−27.5
0
100
200
300
400
500
600
700
800
900
1000
1100

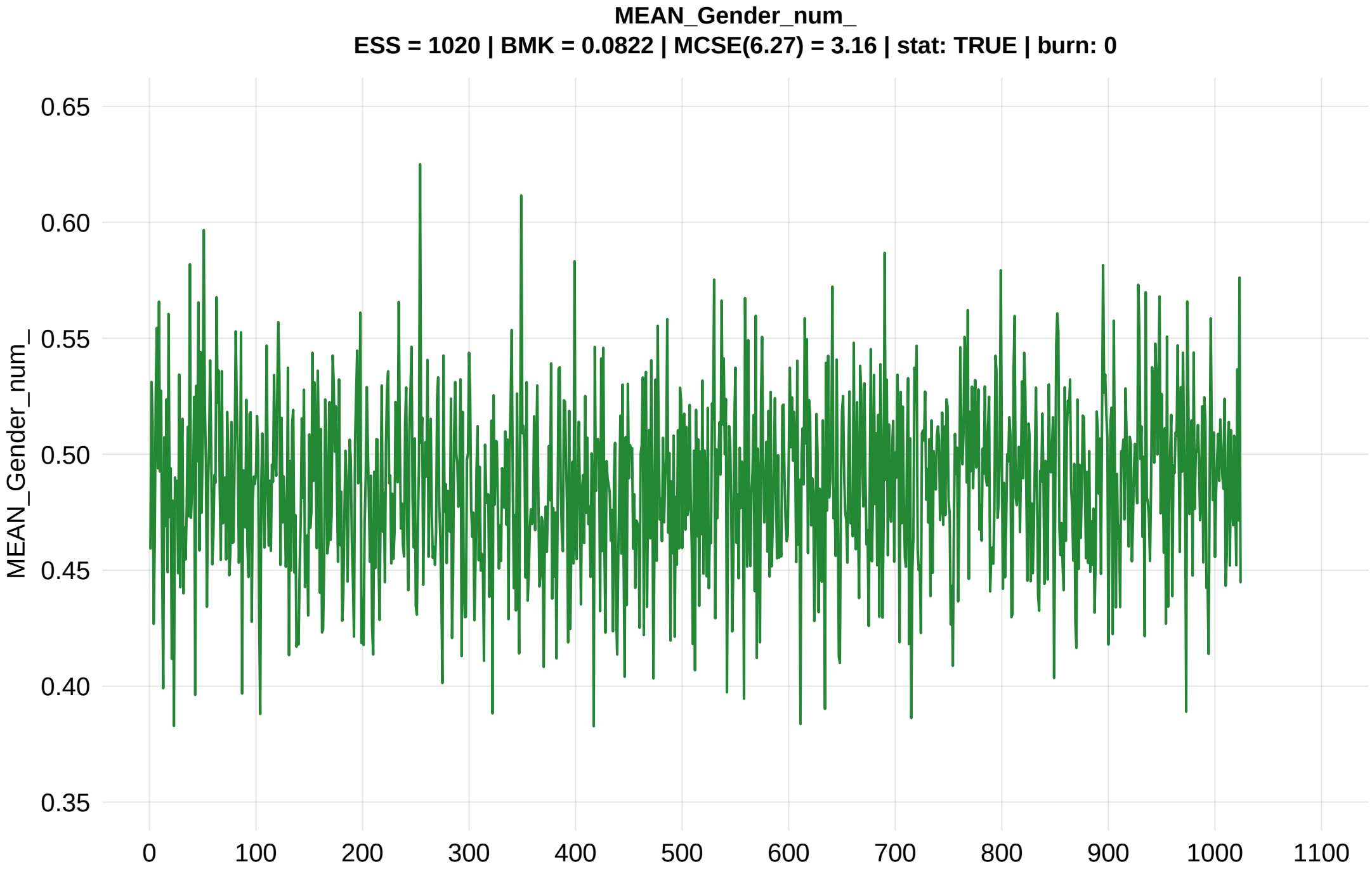

Pdatum4
ESS = 2.22e−16 | BMK = 0.244 | MCSE(6.27) = 2.87 | stat: TRUE | burn: 0
Pdatum4
−24.0
−24.5
−25.0
−25.5
−26.0
−26.5
−27.0
−27.5
−28.0
0
100
200
300
400
500
600
700
800
900
1000
1100

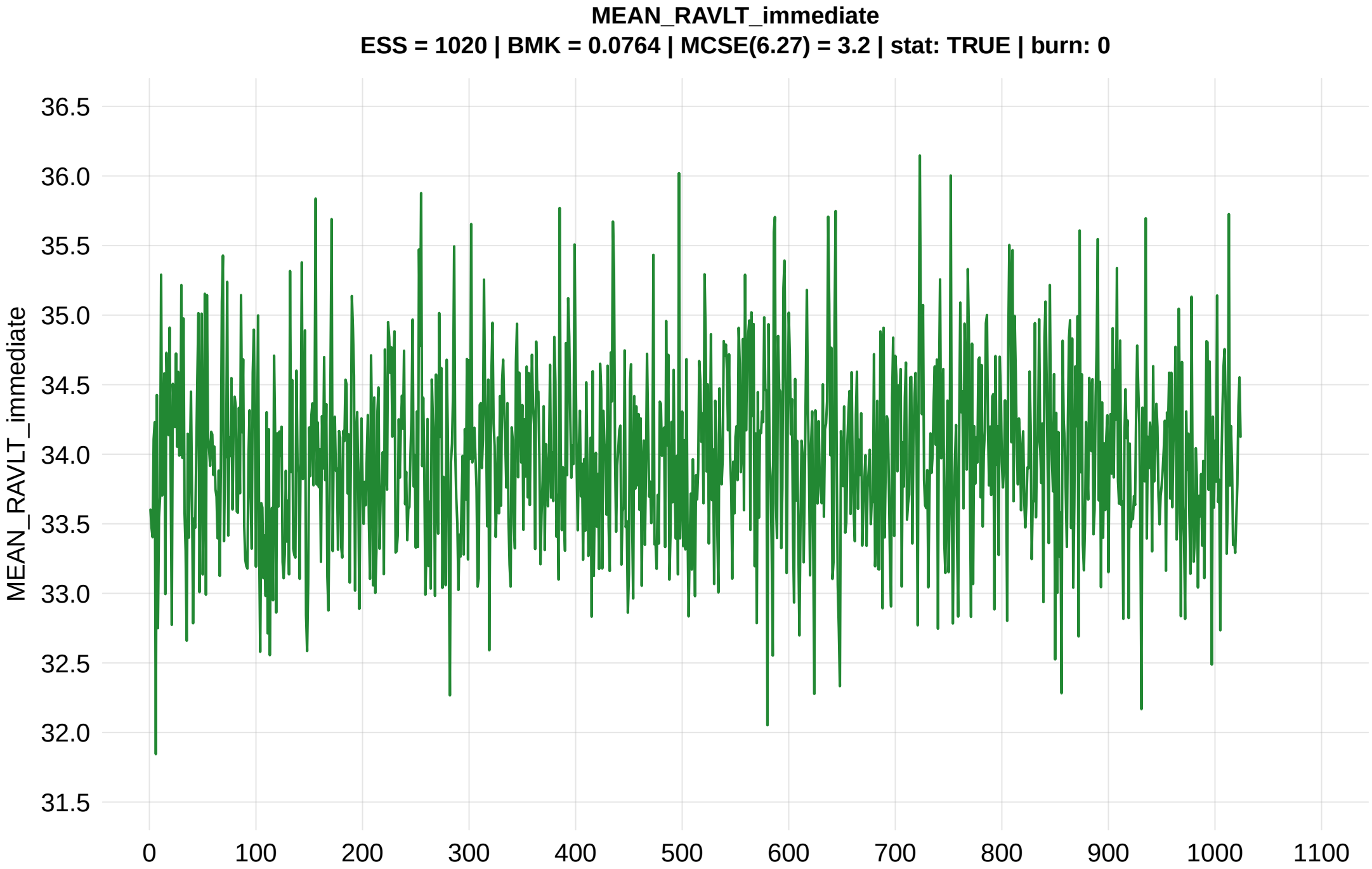

Dcov
ESS = 983 | BMK = 0.399 | MCSE(6.27) = 3.25 | stat: TRUE | burn: 0
Dcov
−2
−4
−6
−8
−10
−12
−14
−16
−18
0
100
200
300
400
500
600
700
800
900
1000
1100

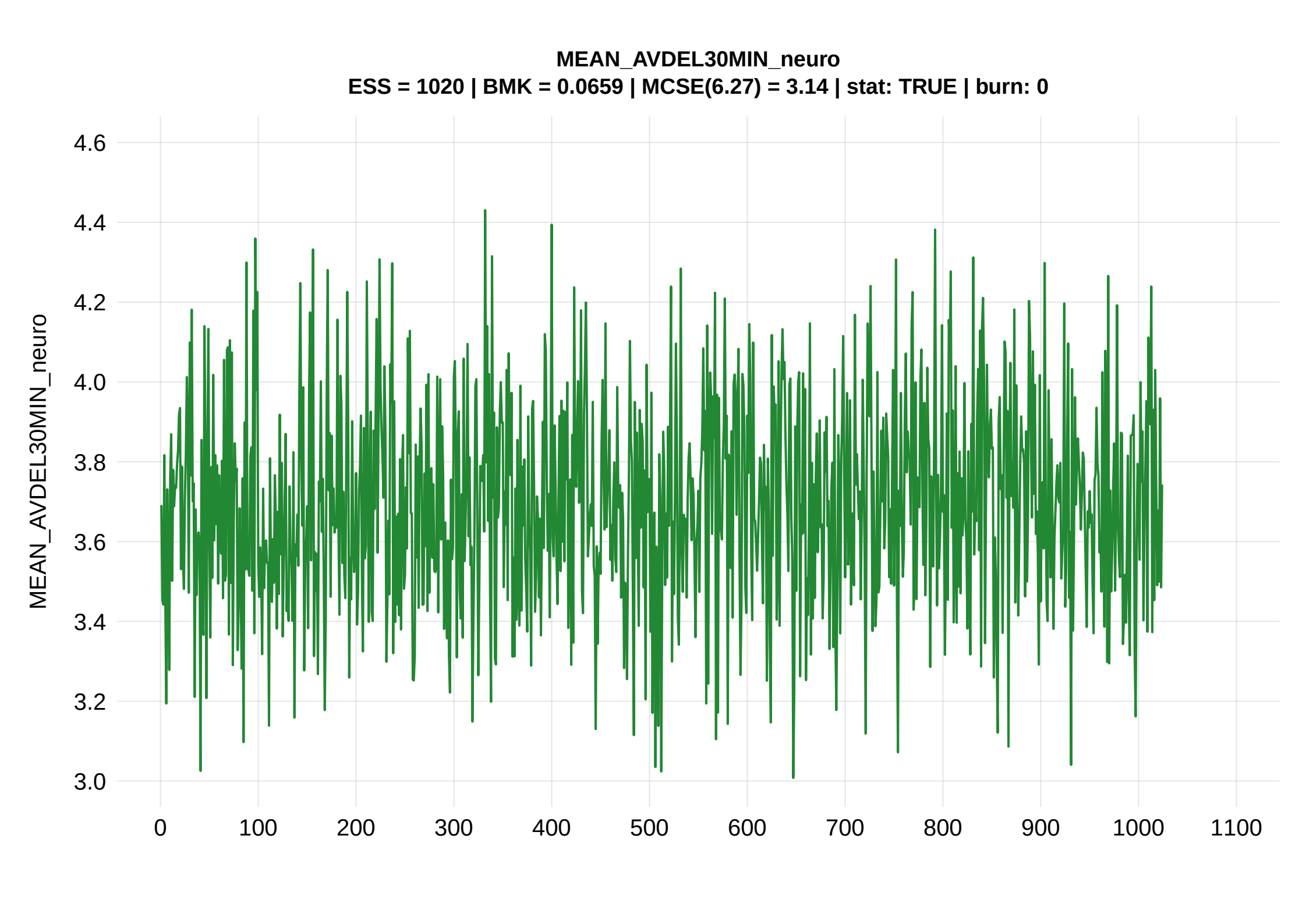

MEAN_log_AGE
ESS = 151 | BMK = 0.208 | MCSE(6.27) = 7 | stat: FALSE | burn: 1020
MEAN_log_AGE
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
0
100
200
300
400
500
600
700
800
900
1000
1100

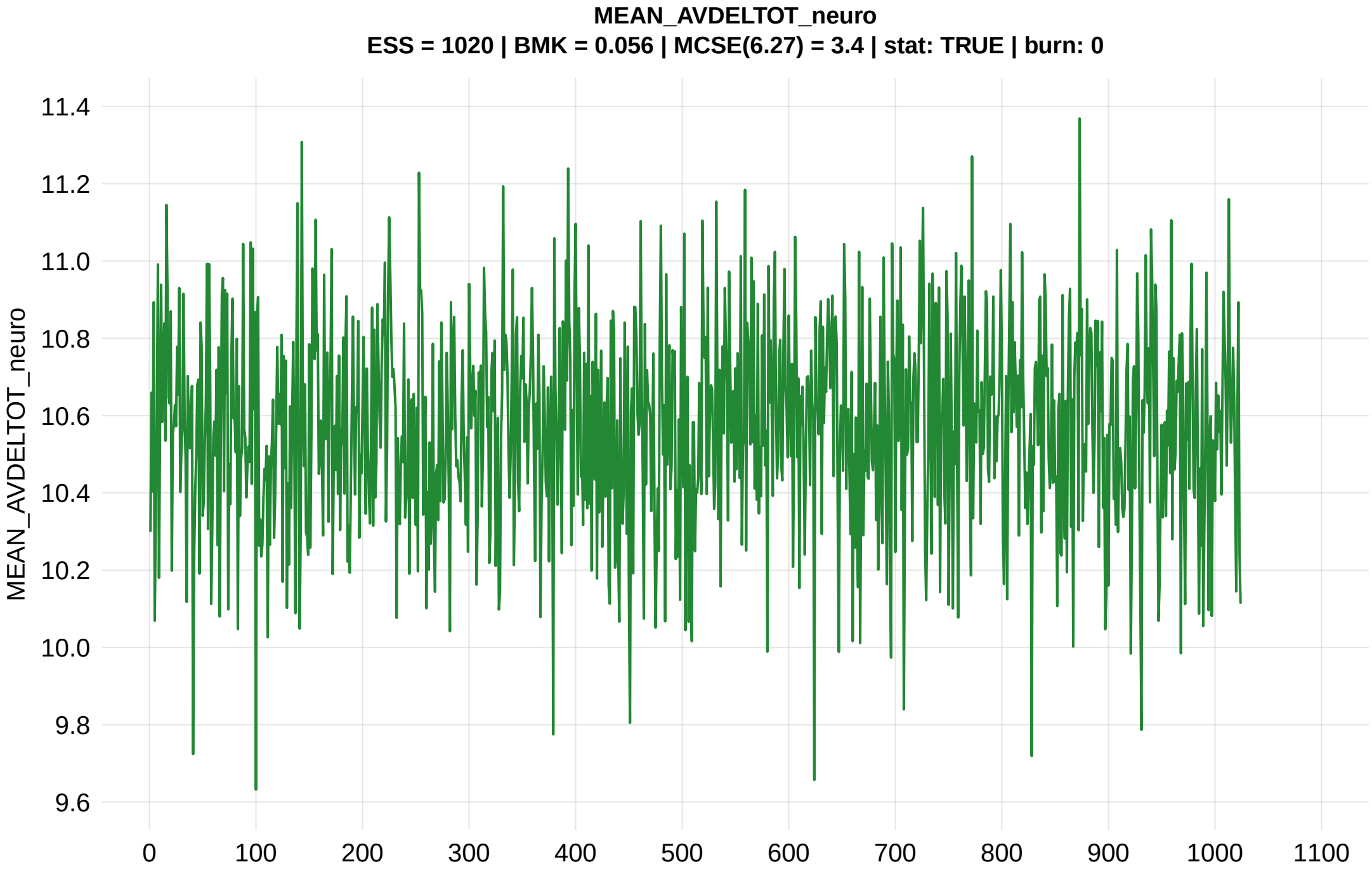

MEAN_log_LRHHC_n_long
ESS = 899 | BMK = 0.0466 | MCSE(6.27) = 3.48 | stat: TRUE | burn: 0
MEAN_log_LRHHC_n_long
0.30
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
0
100
200
300
400
500
600
700
800
900
1000
1100

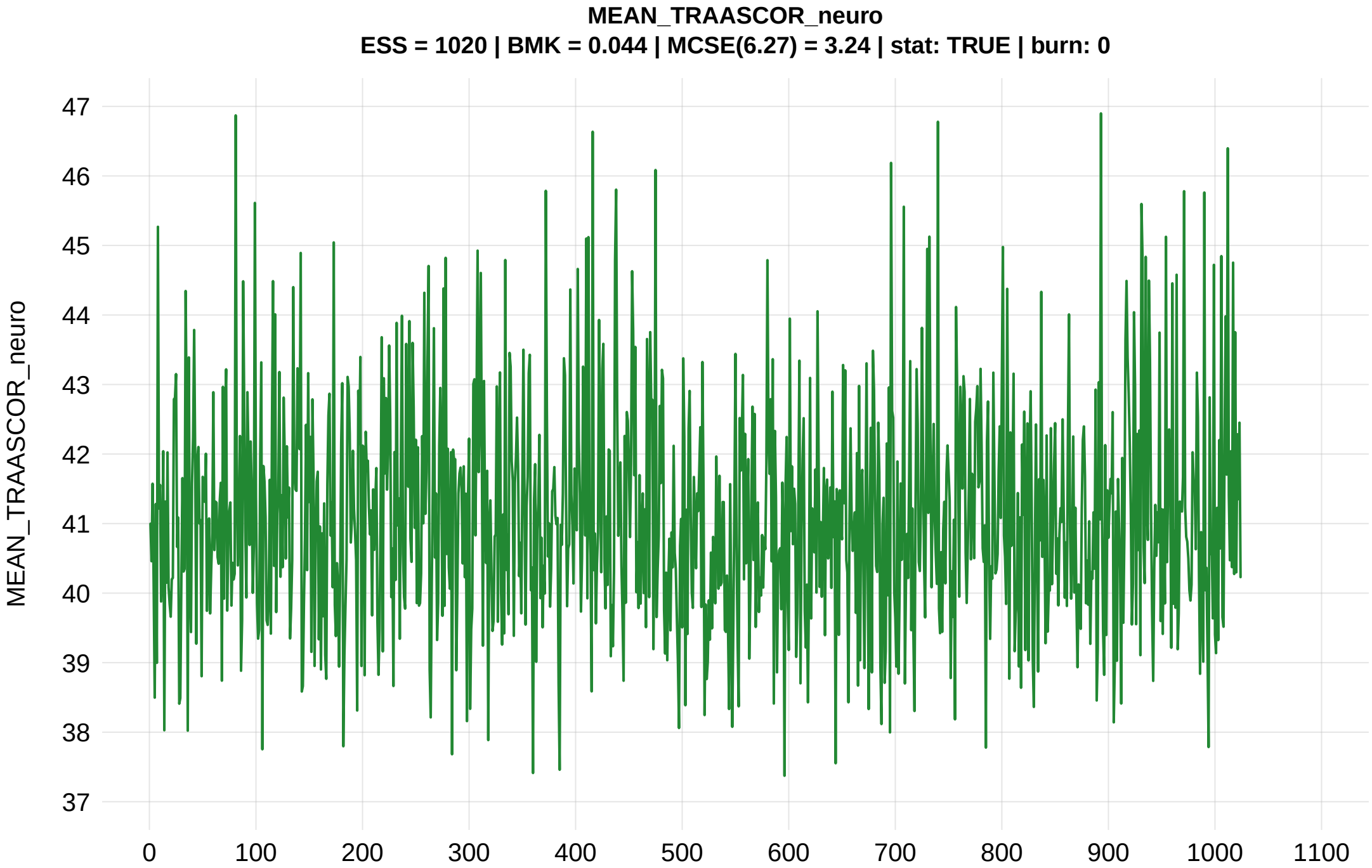

MEAN_int_Subgroup_
ESS = 1020 | BMK = 0.0577 | MCSE(6.27) = 2.61 | stat: TRUE | burn: 0
MEAN_int_Subgroup_
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0
100
200
300
400
500
600
700
800
900
1000
1100

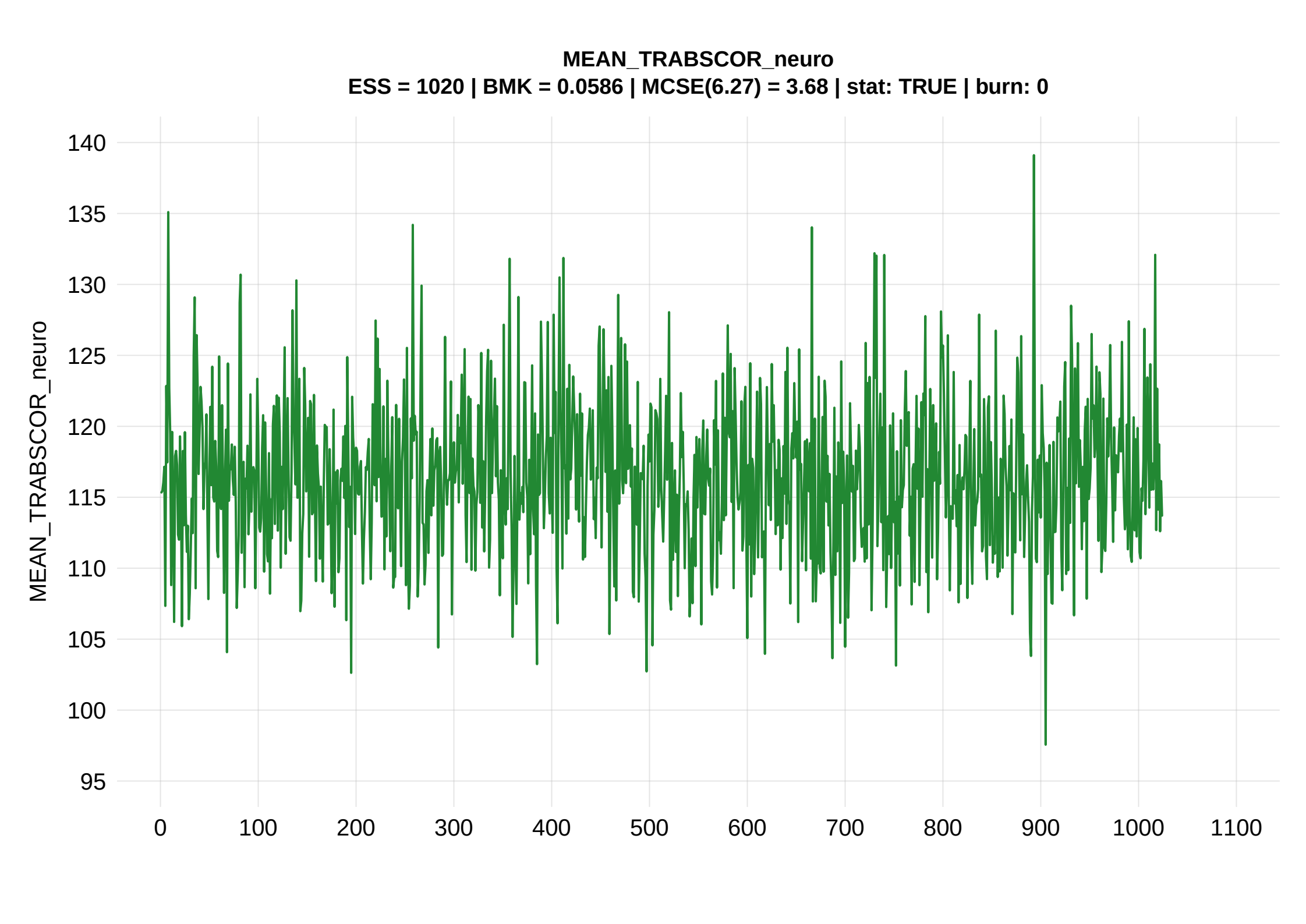

MEAN_Gender_num_
ESS = 1020 | BMK = 0.0822 | MCSE(6.27) = 3.16 | stat: TRUE | burn: 0
MEAN_Gender_num_
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0
100
200
300
400
500
600
700
800
900
1000
1100

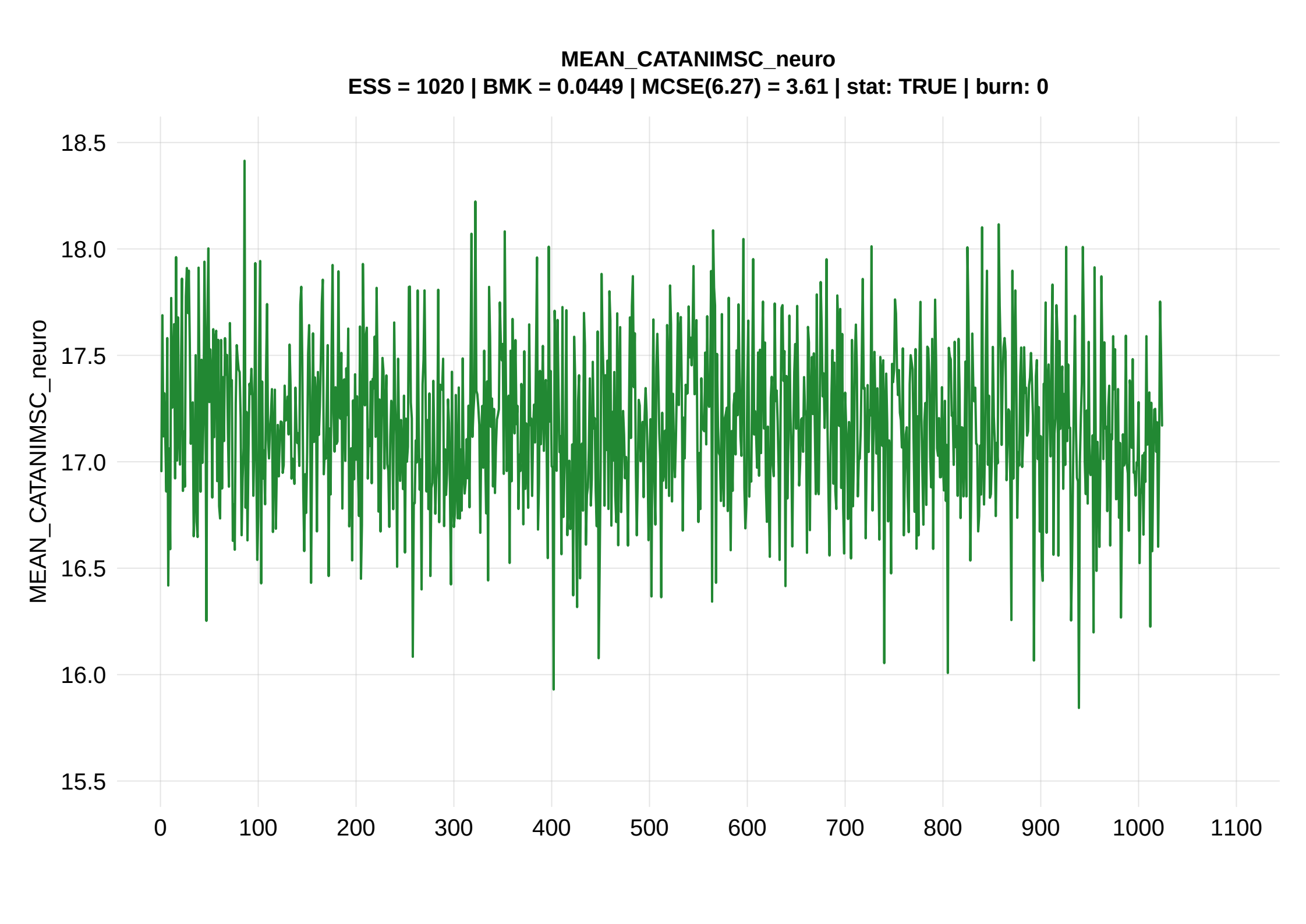

MEAN_RAVLT_immediate
ESS = 1020 | BMK = 0.0764 | MCSE(6.27) = 3.2 | stat: TRUE | burn: 0
MEAN_RAVLT_immediate
36.5
36.0
35.5
35.0
34.5
34.0
33.5
33.0
32.5
32.0
31.5
0
100
200
300
400
500
600
700
800
900
1000
1100

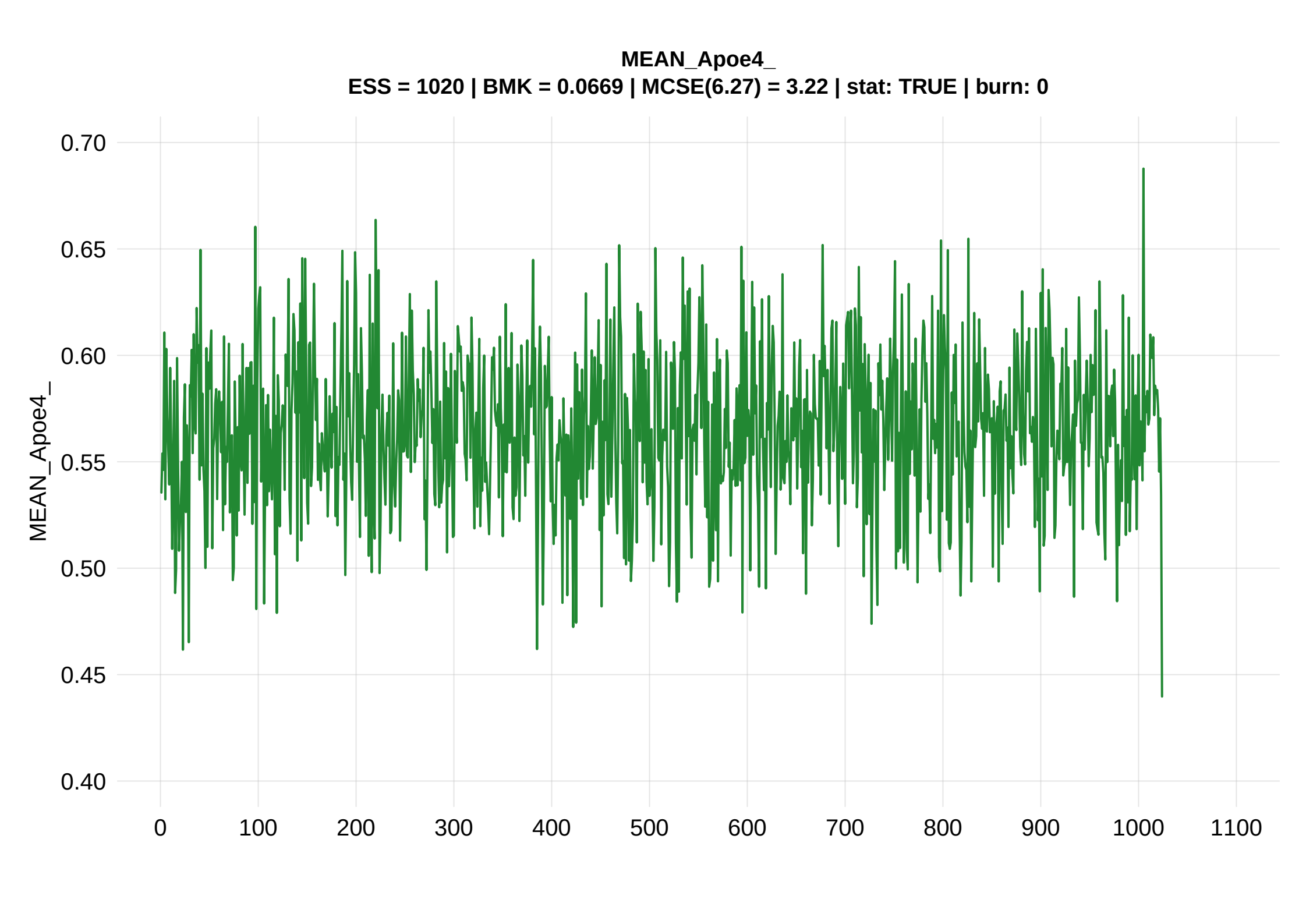

MEAN_AVDEL30MIN_neuro
ESS = 1020 | BMK = 0.0659 | MCSE(6.27) = 3.14 | stat: TRUE | burn: 0
MEAN_AVDEL30MIN_neuro
4.6
4.4
4.2
4.0
3.8
3.6
3.4
3.2
3.0
0
100
200
300
400
500
600
700
800
900
1000
1100

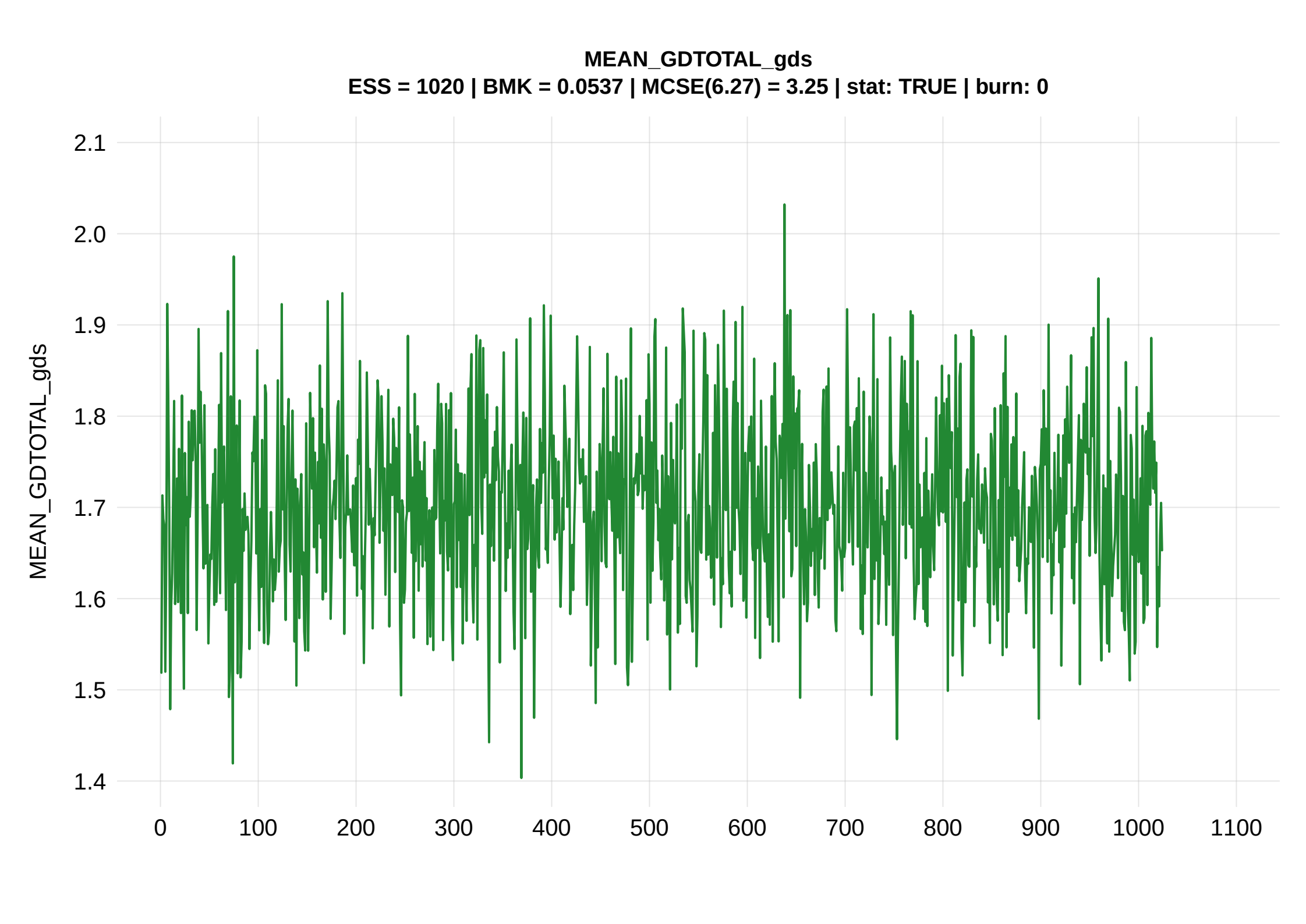

MEAN_AVDELTOT_neuro
ESS = 1020 | BMK = 0.056 | MCSE(6.27) = 3.4 | stat: TRUE | burn: 0
MEAN_AVDELTOT_neuro
11.4
11.2
11.0
10.8
10.6
10.4
10.2
10.0
9.8
9.6
0
100
200
300
400
500
600
700
800
900
1000
1100

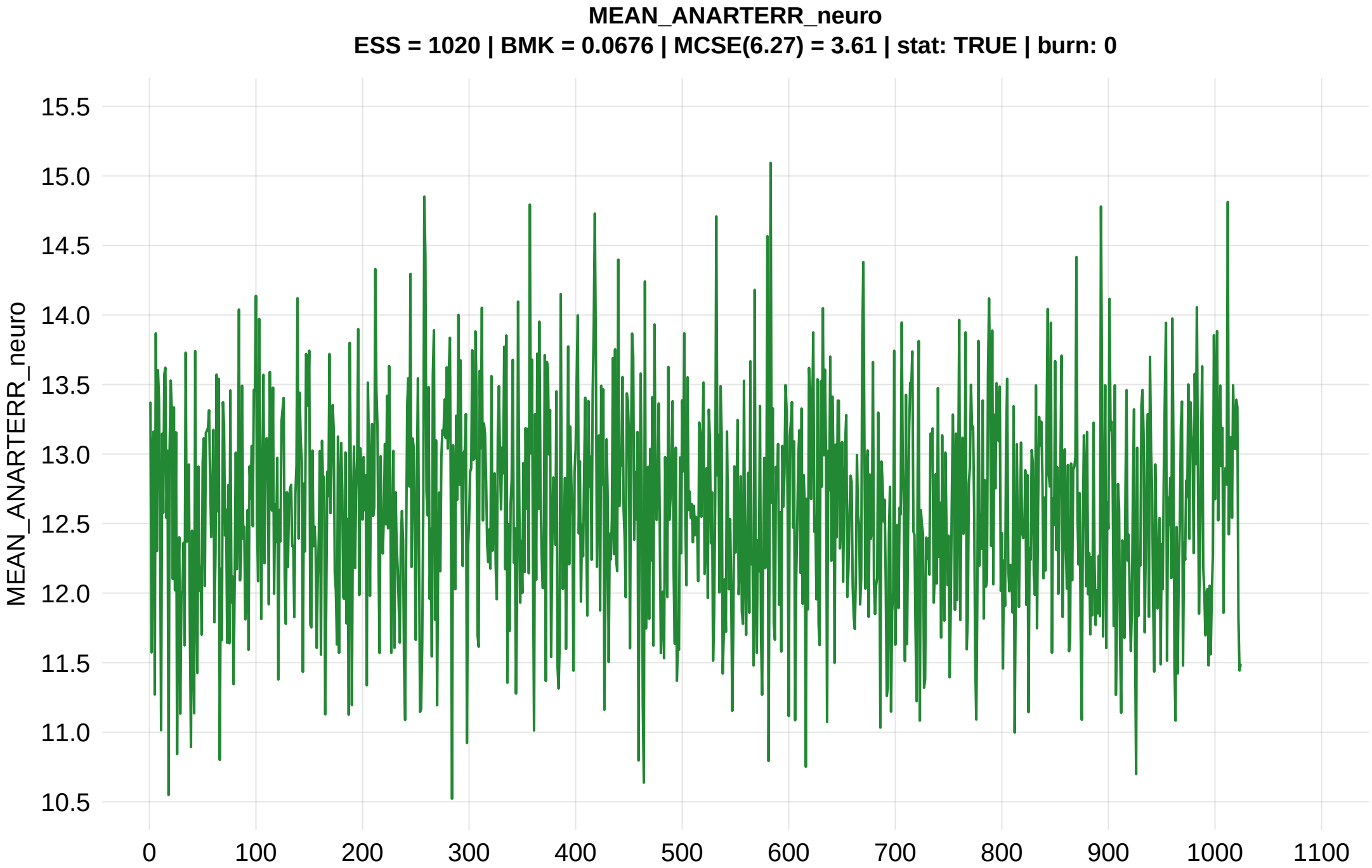

MEAN_TRAASCOR_neuro
ESS = 1020 | BMK = 0.044 | MCSE(6.27) = 3.24 | stat: TRUE | burn: 0
MEAN_TRAASCOR_neuro
47
46
45
44
43
42
41
40
39
38
37
0
100
200
300
400
500
600
700
800
900
1000
1100

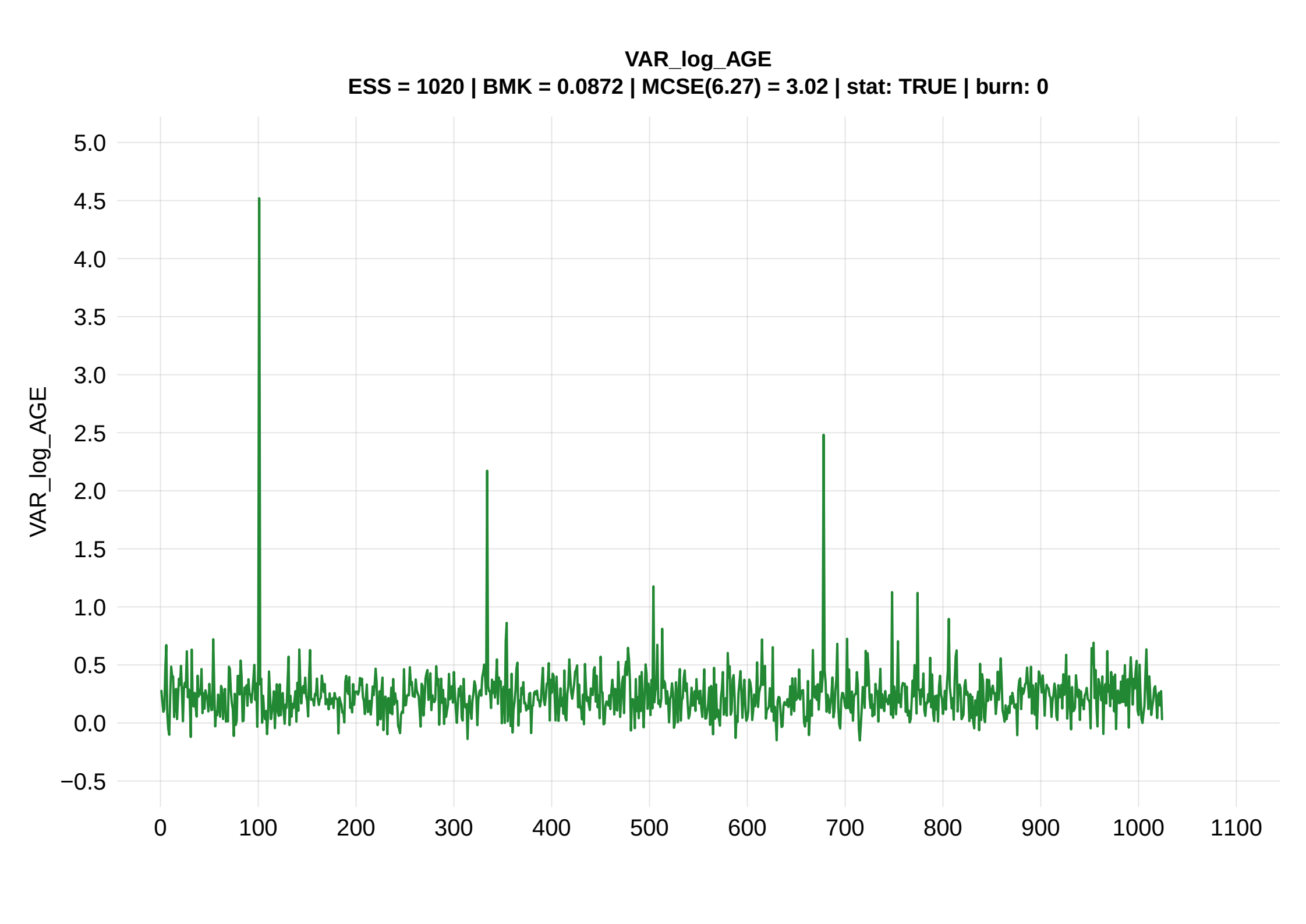

MEAN_TRABSCOR_neuro
ESS = 1020 | BMK = 0.0586 | MCSE(6.27) = 3.68 | stat: TRUE | burn: 0
MEAN_TRABSCOR_neuro
140
135
130
125
120
115
110
105
100
95
0
100
200
300
400
500
600
700
800
900
1000
1100

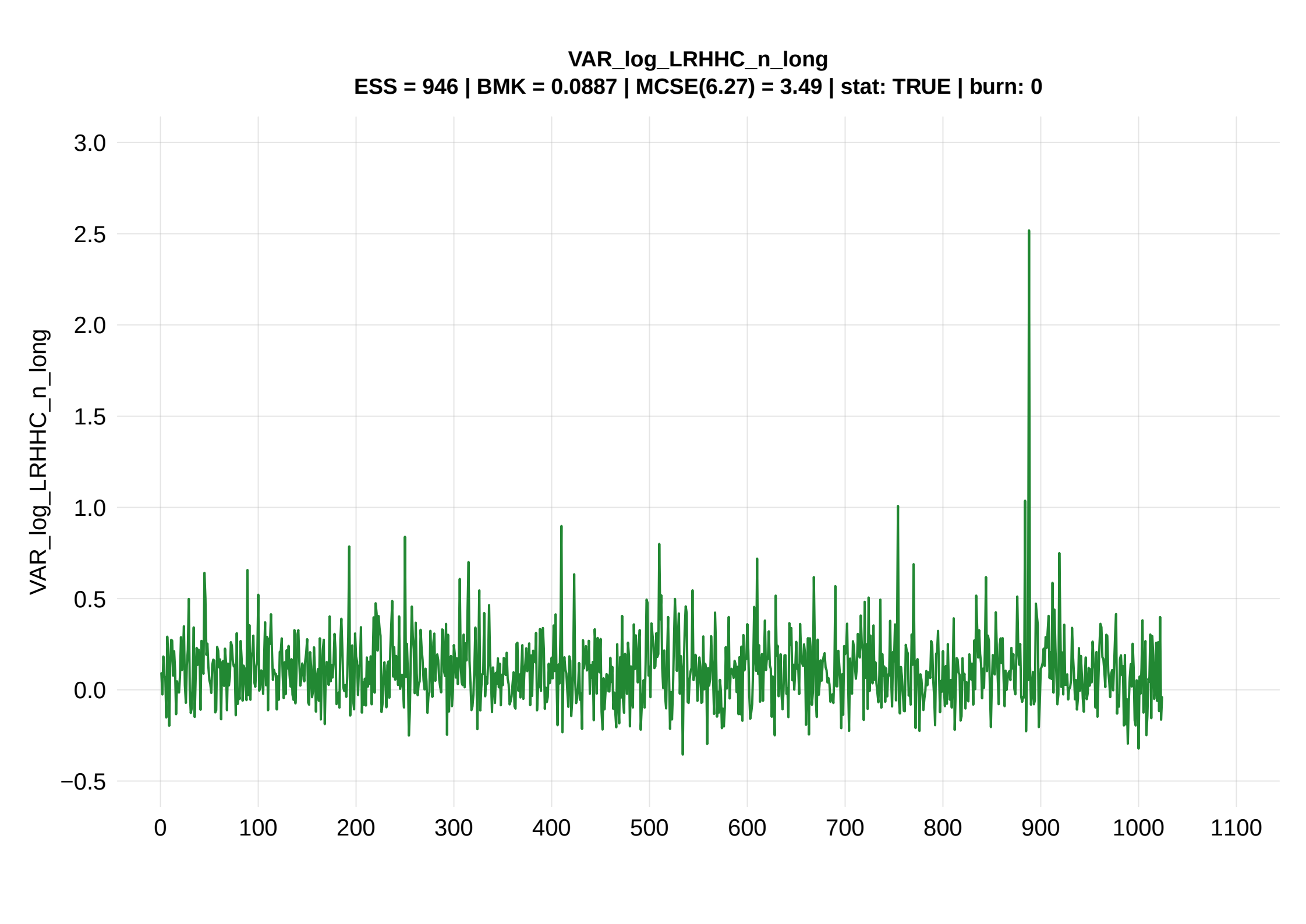

MEAN_CATANIMSC_neuro
ESS = 1020 | BMK = 0.0449 | MCSE(6.27) = 3.61 | stat: TRUE | burn: 0
MEAN_CATANIMSC_neuro
18.5
18.0
17.5
17.0
16.5
16.0
15.5
0
100
200
300
400
500
600
700
800
900
1000
1100

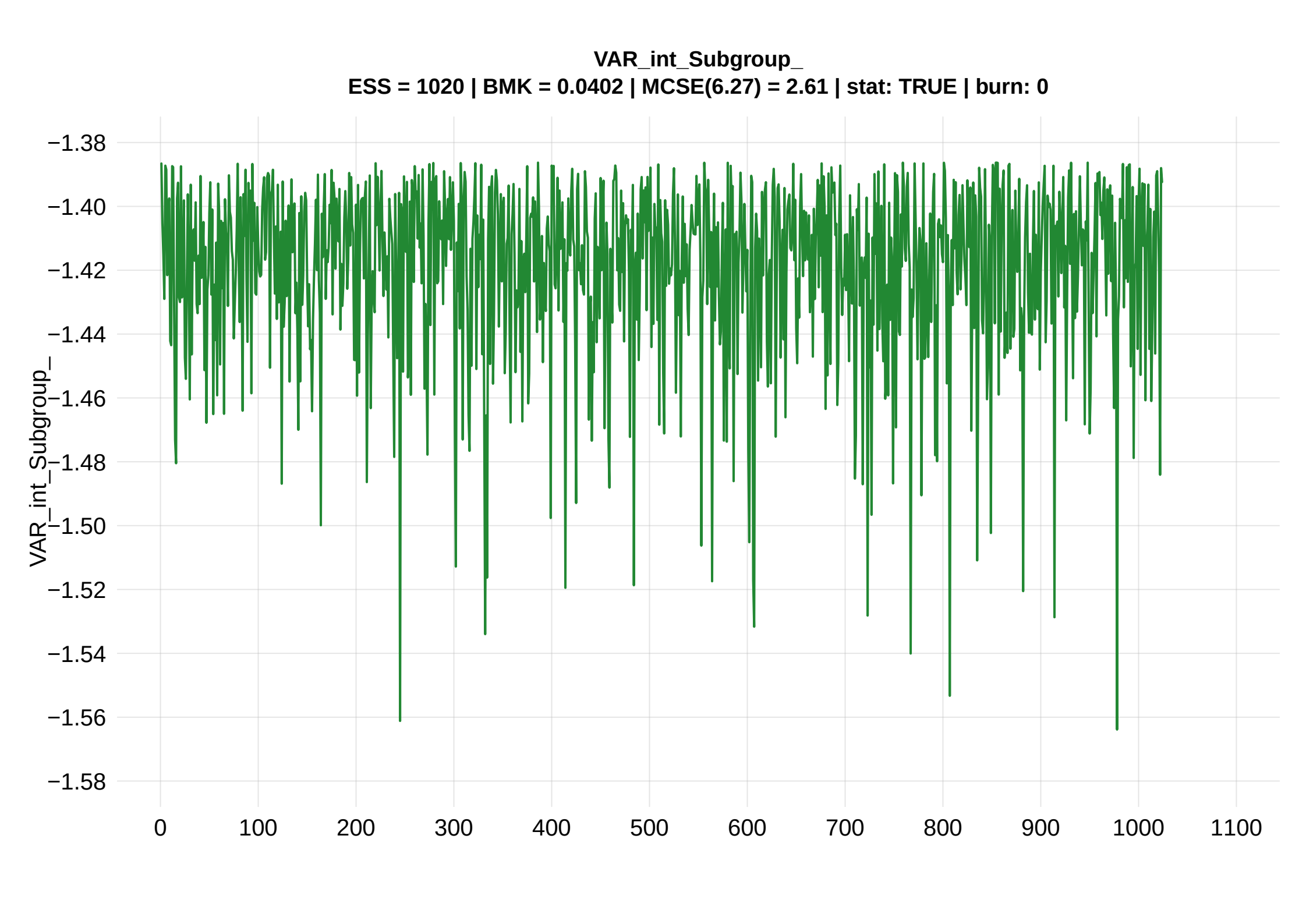

MEAN_Apoe4_
ESS = 1020 | BMK = 0.0669 | MCSE(6.27) = 3.22 | stat: TRUE | burn: 0
MEAN_Apoe4_
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0
100
200
300
400
500
600
700
800
900
1000
1100

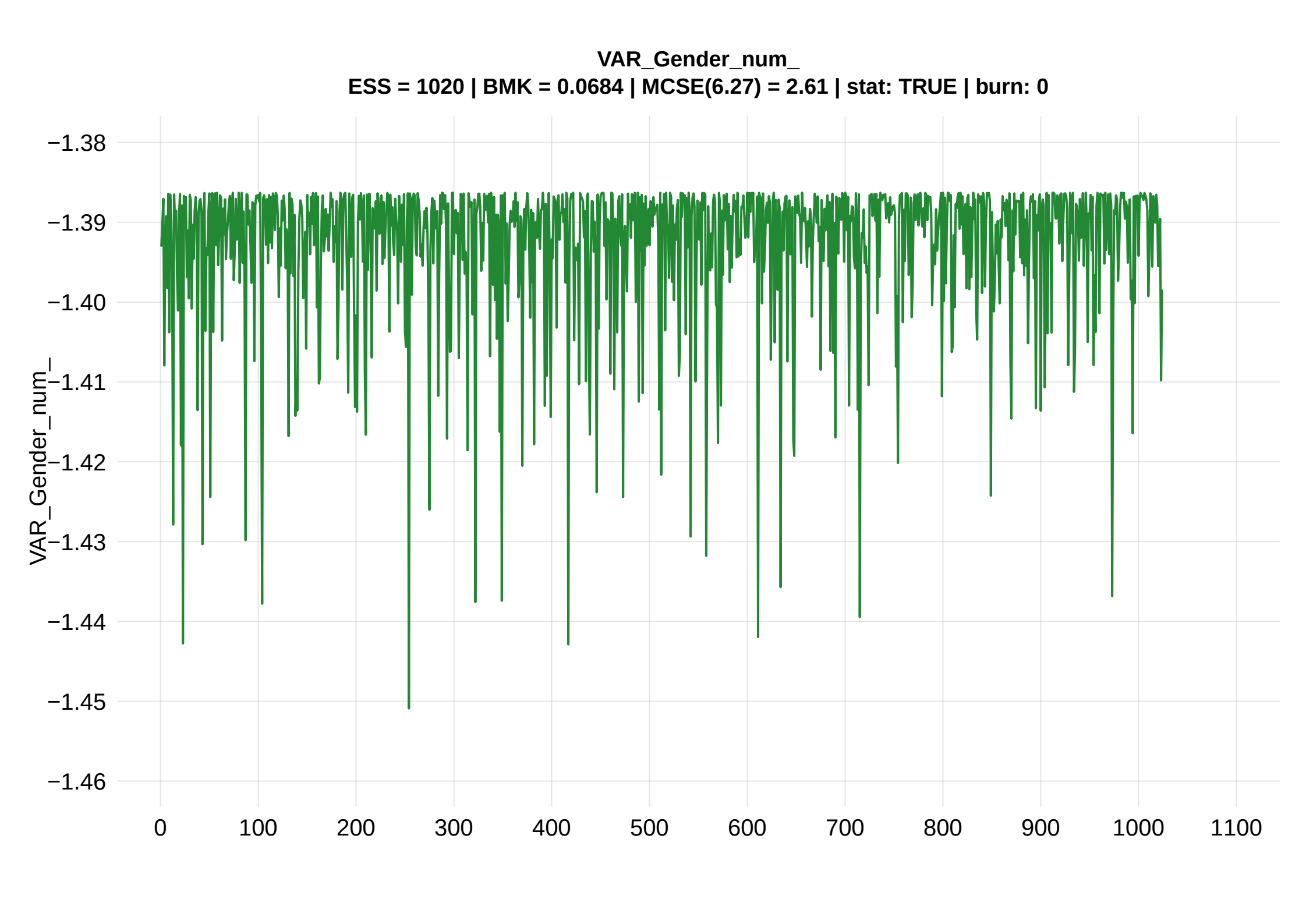

MEAN_GDTOTAL_gds
ESS = 1020 | BMK = 0.0537 | MCSE(6.27) = 3.25 | stat: TRUE | burn: 0
MEAN_GDTOTAL_gds
2.1
2.0
1.9
1.8
1.7
1.6
1.5
1.4
0
100
200
300
400
500
600
700
800
900
1000
1100

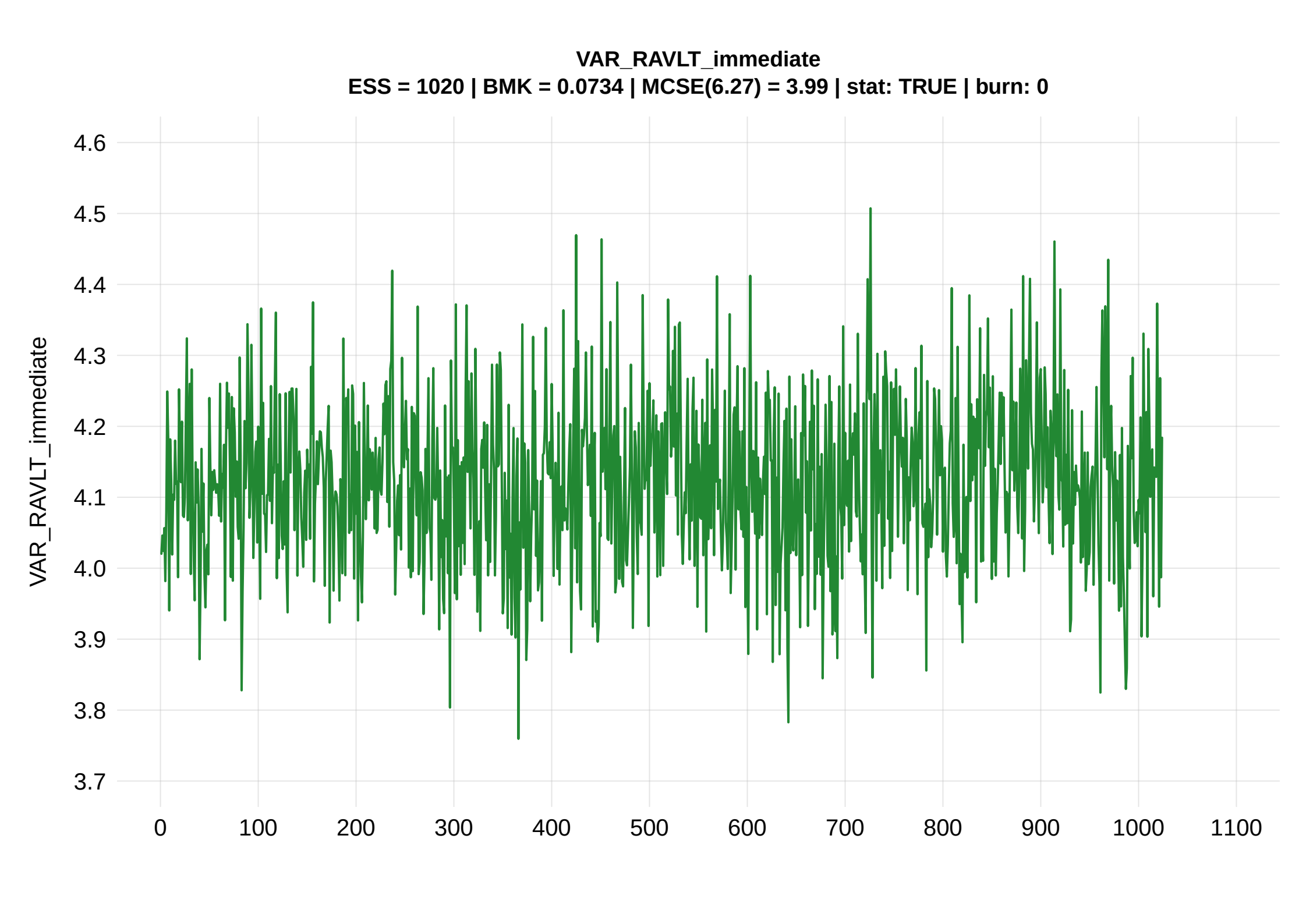

MEAN_ANARTERR_neuro
ESS = 1020 | BMK = 0.0676 | MCSE(6.27) = 3.61 | stat: TRUE | burn: 0
MEAN_ANARTERR_neuro
15.5
15.0
14.5
14.0
13.5
13.0
12.5
12.0
11.5
11.0
10.5
0
100
200
300
400
500
600
700
800
900
1000
1100

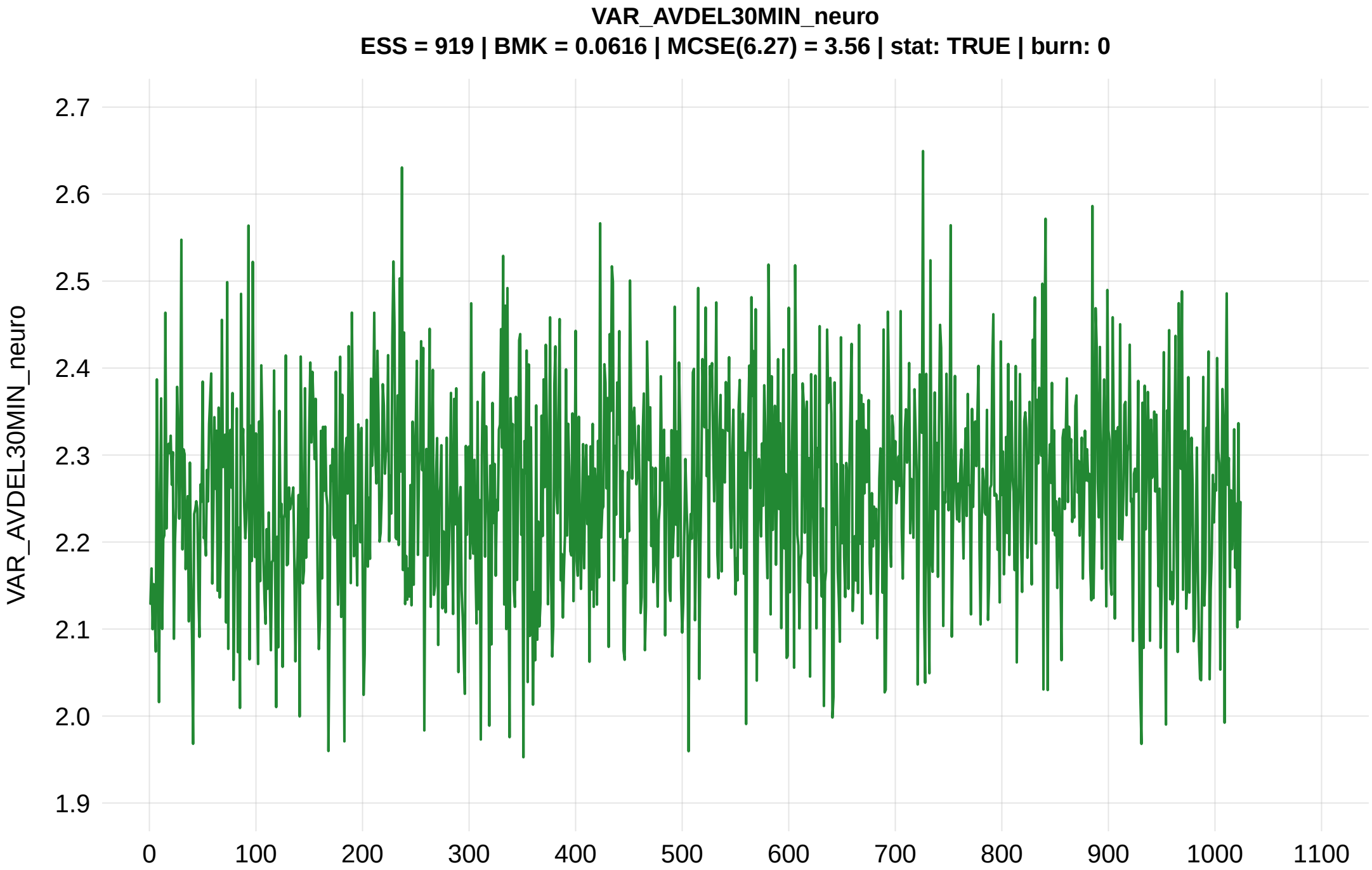

VAR_log_AGE
ESS = 1020 | BMK = 0.0872 | MCSE(6.27) = 3.02 | stat: TRUE | burn: 0
VAR_log_AGE
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
0
100
200
300
400
500
600
700
800
900
1000
1100

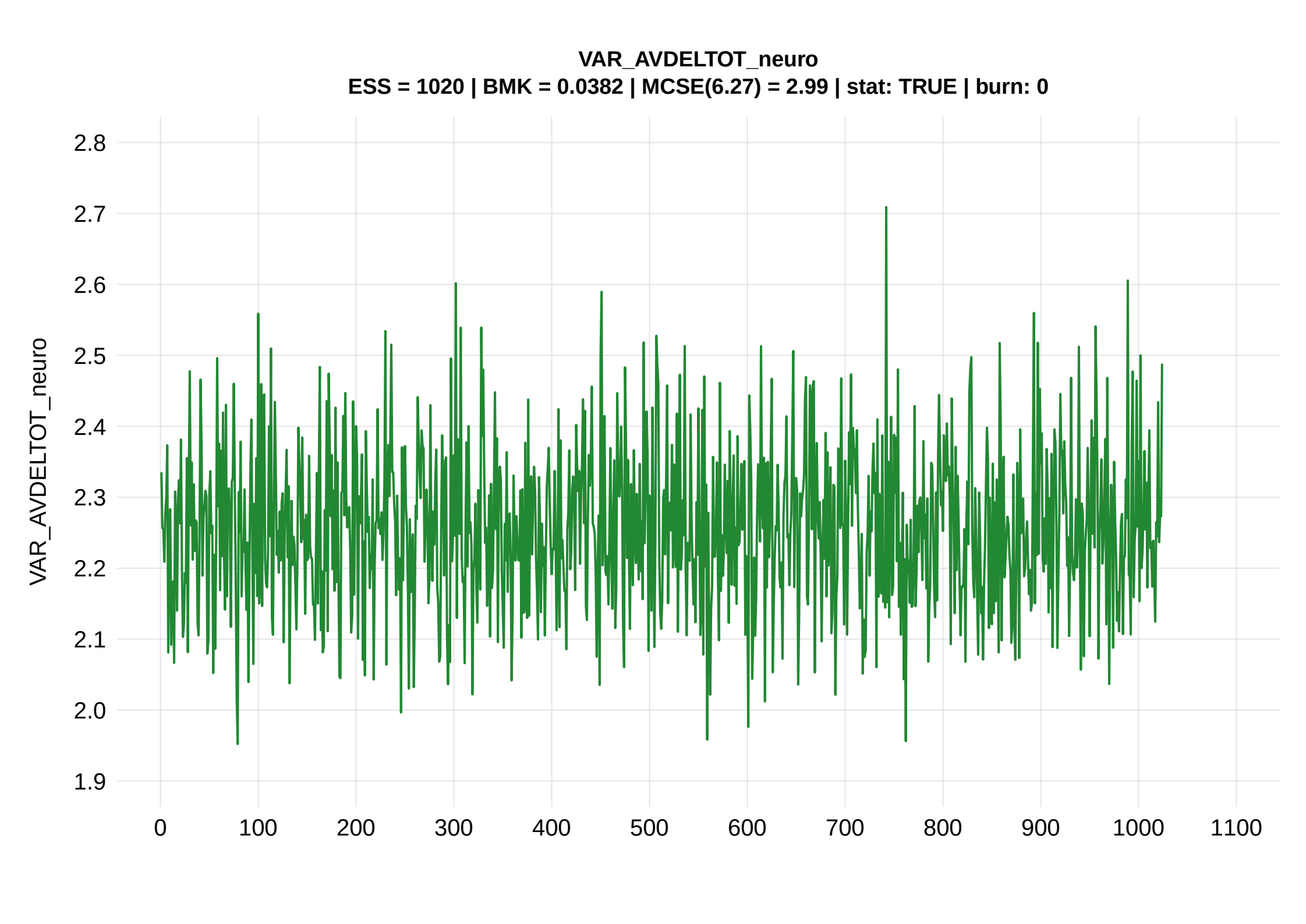

VAR_log_LRHHC_n_long
ESS = 946 | BMK = 0.0887 | MCSE(6.27) = 3.49 | stat: TRUE | burn: 0
VAR_log_LRHHC_n_long
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
0
100
200
300
400
500
600
700
800
900
1000
1100

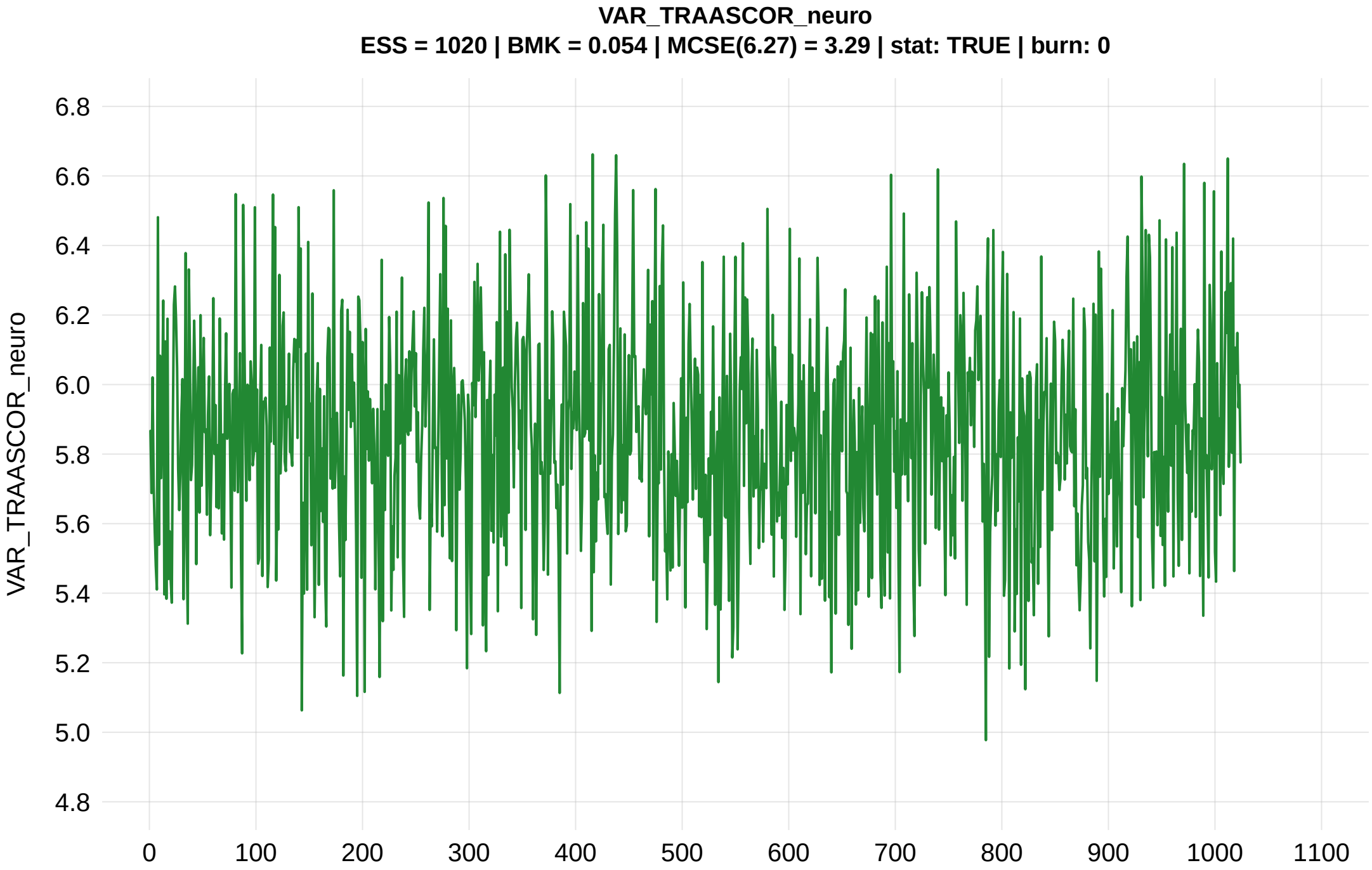

VAR_int_Subgroup_
ESS = 1020 | BMK = 0.0402 | MCSE(6.27) = 2.61 | stat: TRUE | burn: 0
VAR_int_Subgroup_
−1.38
−1.40
−1.42
−1.44
−1.46
−1.48
−1.50
−1.52
−1.54
−1.56
−1.58
0
100
200
300
400
500
600
700
800
900
1000
1100

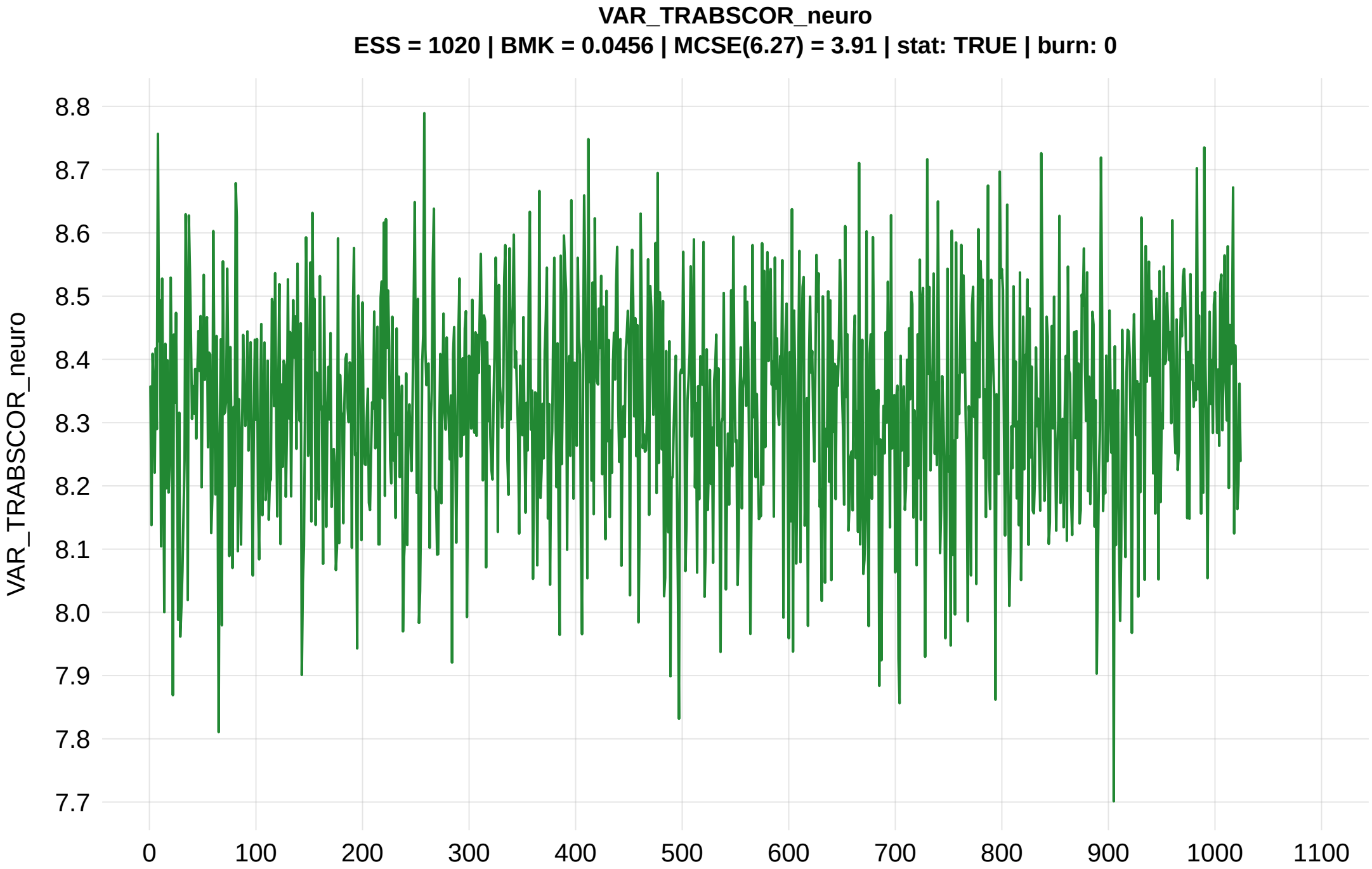

VAR_Gender_num_
ESS = 1020 | BMK = 0.0684 | MCSE(6.27) = 2.61 | stat: TRUE | burn: 0
VAR_Gender_num_
−1.38
−1.39
−1.40
−1.41
−1.42
−1.43
−1.44
−1.45
−1.46
0
100
200
300
400
500
600
700
800
900
1000
1100

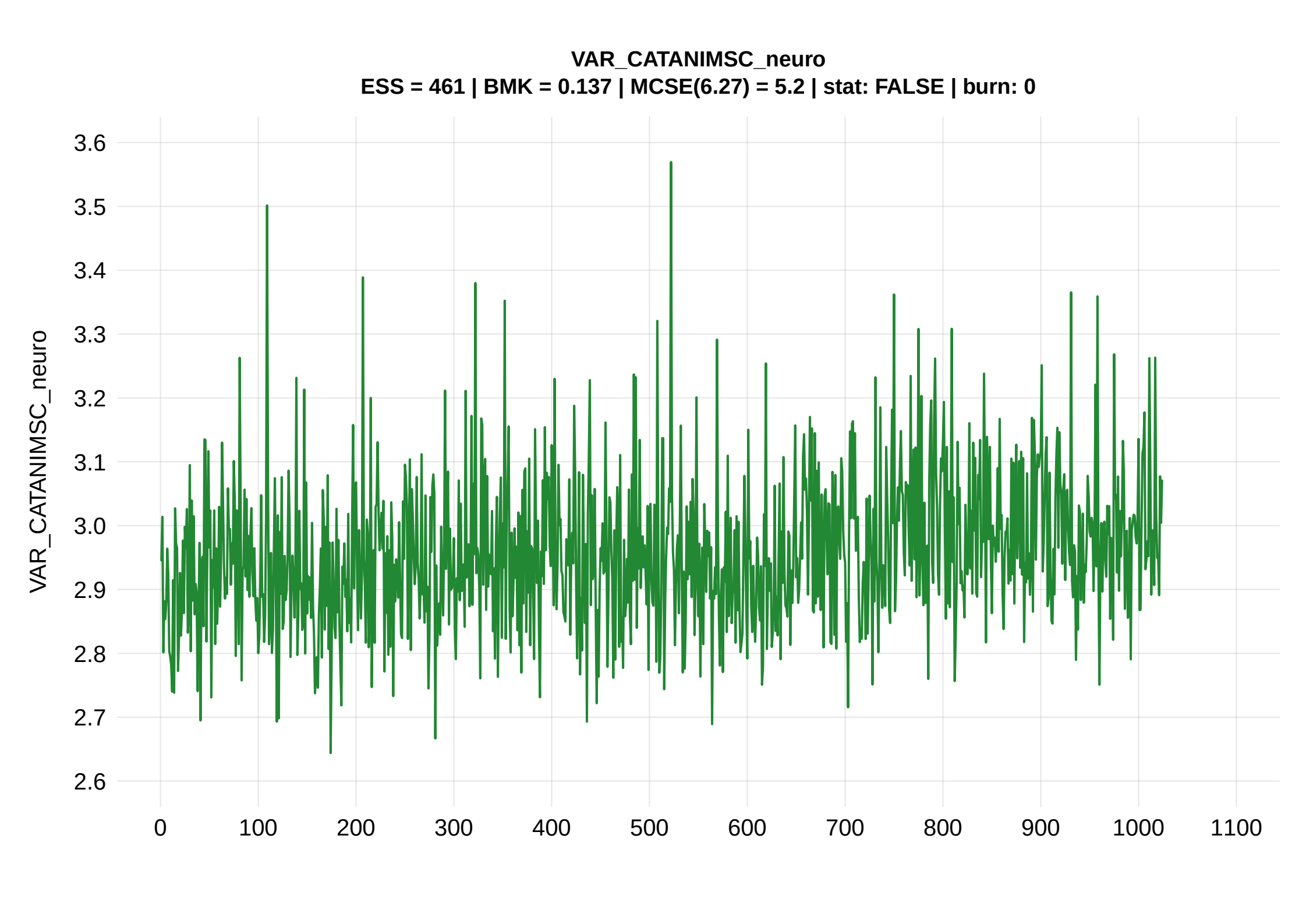

VAR_RAVLT_immediate
ESS = 1020 | BMK = 0.0734 | MCSE(6.27) = 3.99 | stat: TRUE | burn: 0
VAR_RAVLT_immediate
4.6
4.5
4.4
4.3
4.2
4.1
4.0
3.9
3.8
3.7
0
100
200
300
400
500
600
700
800
900
1000
1100

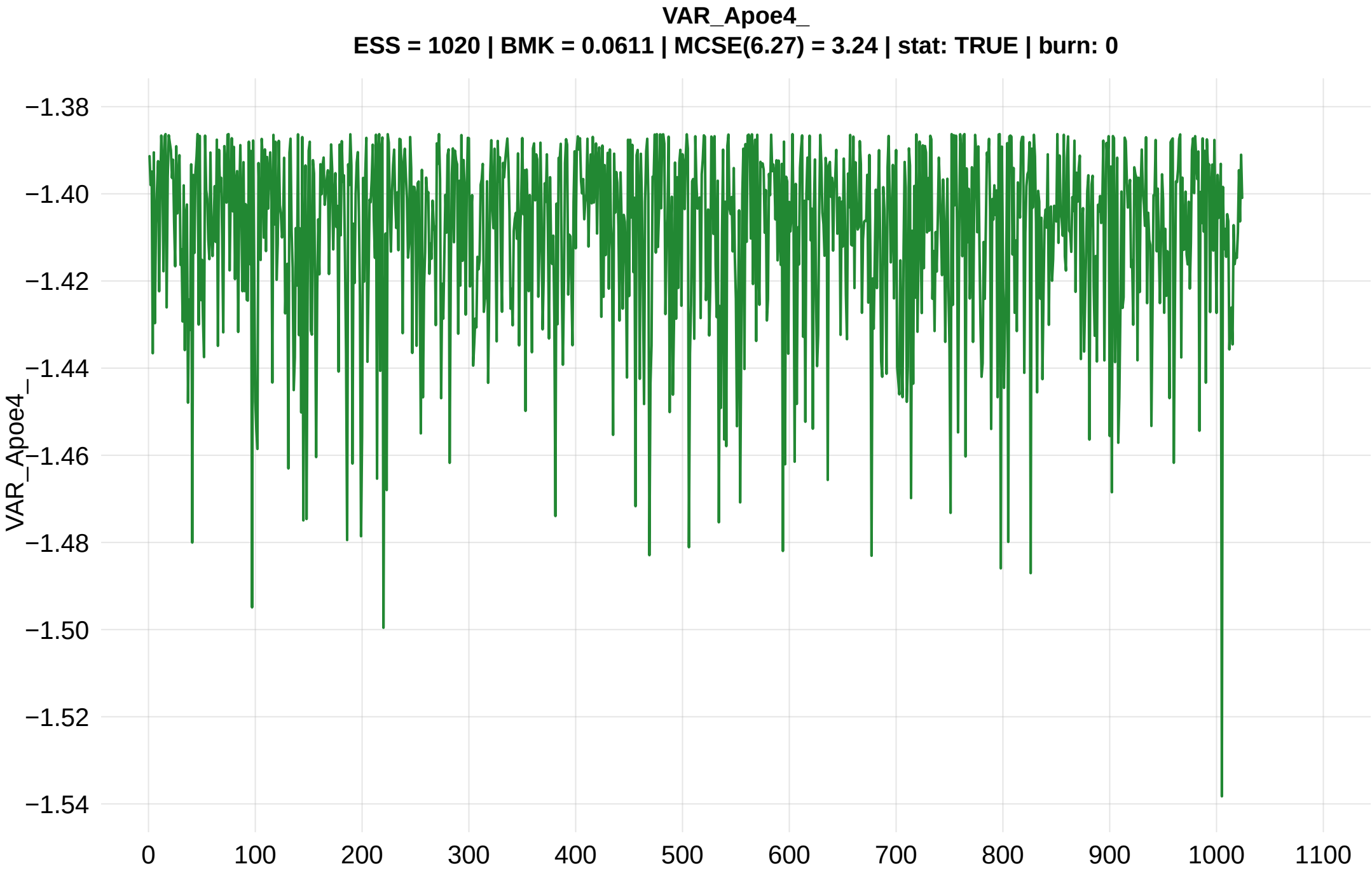

VAR_AVDEL30MIN_neuro
ESS = 919 | BMK = 0.0616 | MCSE(6.27) = 3.56 | stat: TRUE | burn: 0
VAR_AVDEL30MIN_neuro
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2.0
1.9
0
100
200
300
400
500
600
700
800
900
1000
1100

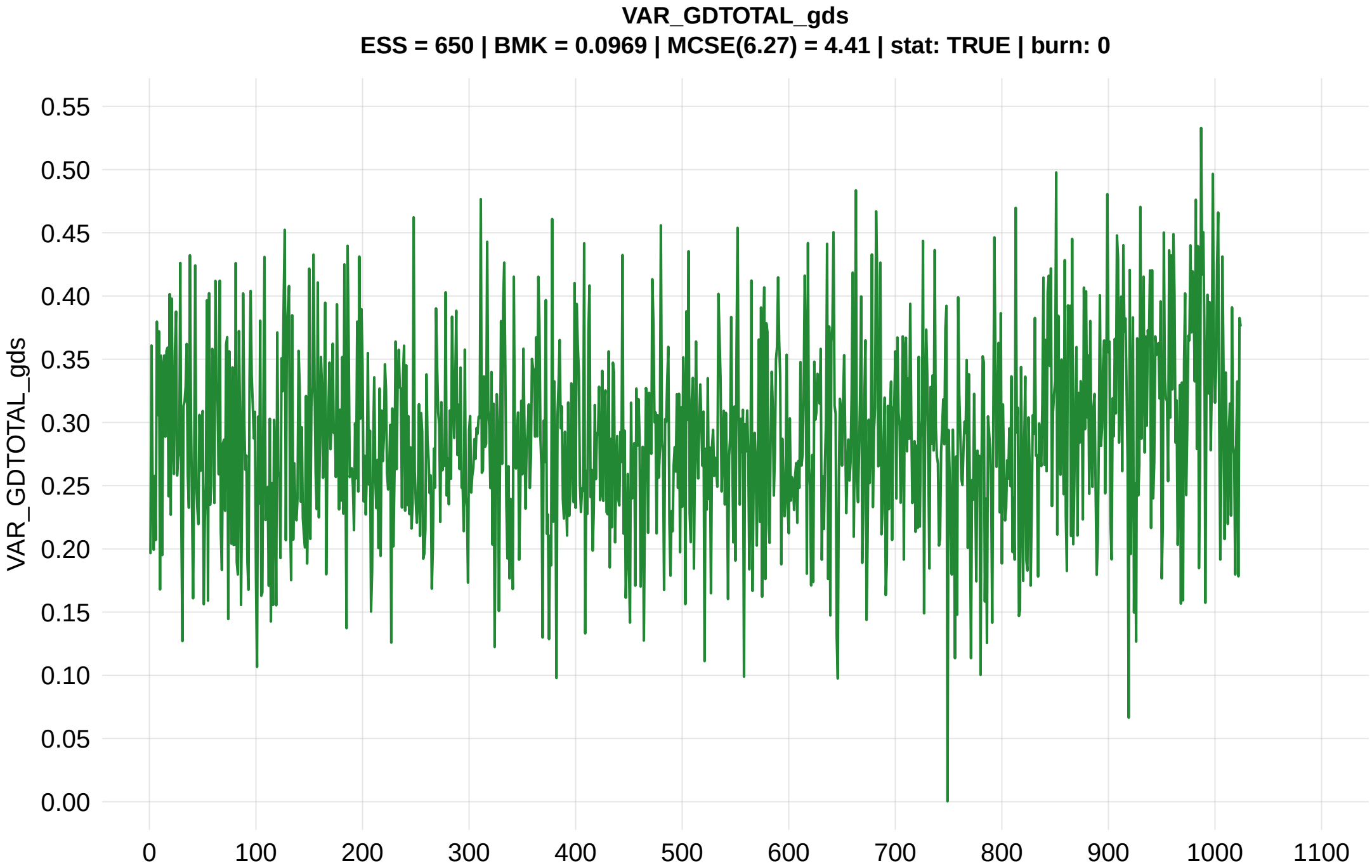

VAR_AVDELTOT_neuro
ESS = 1020 | BMK = 0.0382 | MCSE(6.27) = 2.99 | stat: TRUE | burn: 0
VAR_AVDELTOT_neuro
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2.0
1.9
0
100
200
300
400
500
600
700
800
900
1000
1100

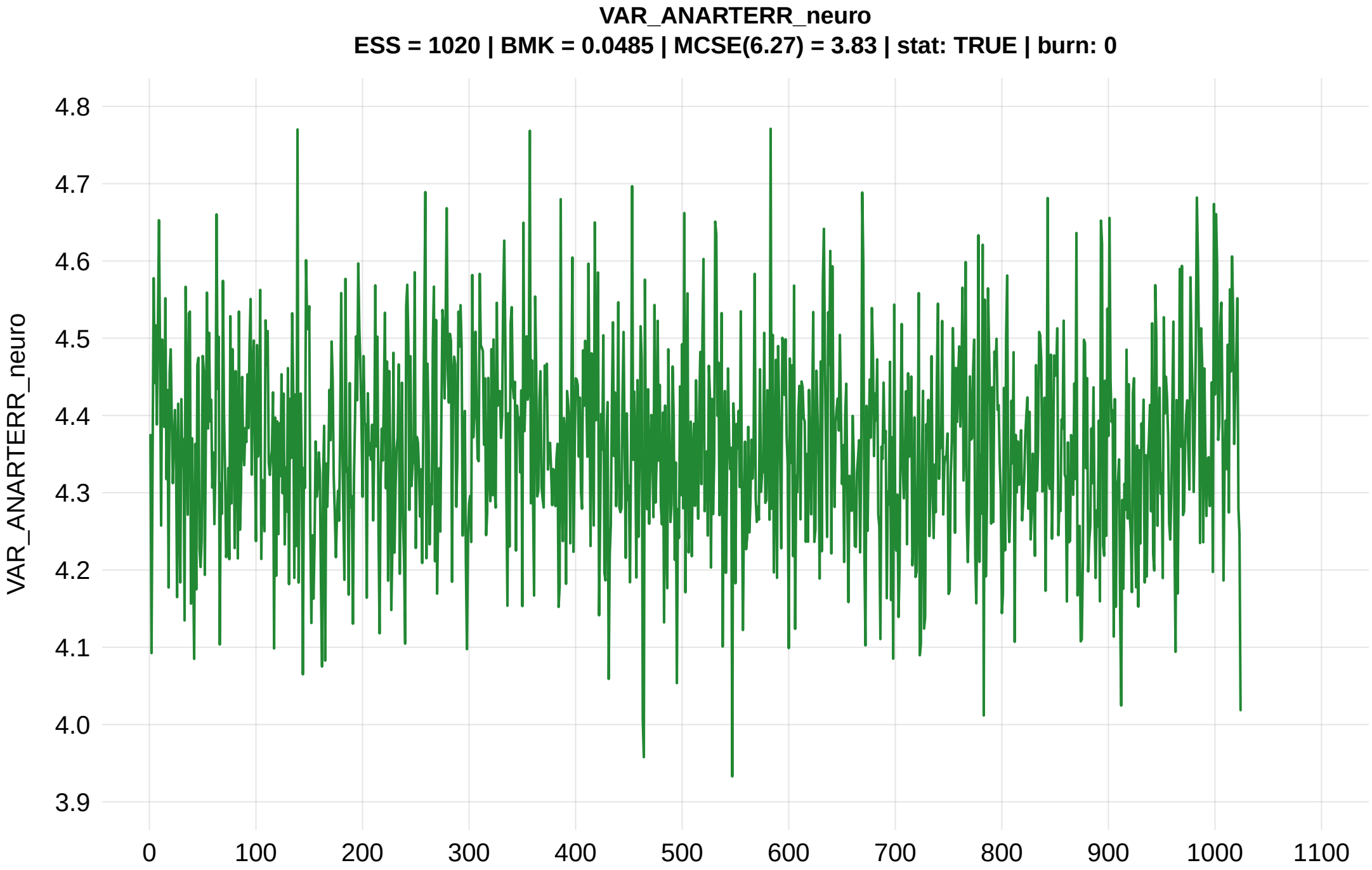

VAR_TRAASCOR_neuro
ESS = 1020 | BMK = 0.054 | MCSE(6.27) = 3.29 | stat: TRUE | burn: 0
VAR_TRAASCOR_neuro
6.8
6.6
6.4
6.2
6.0
5.8
5.6
5.4
5.2
5.0
4.8
0
100
200
300
400
500
600
700
800
900
1000
1100

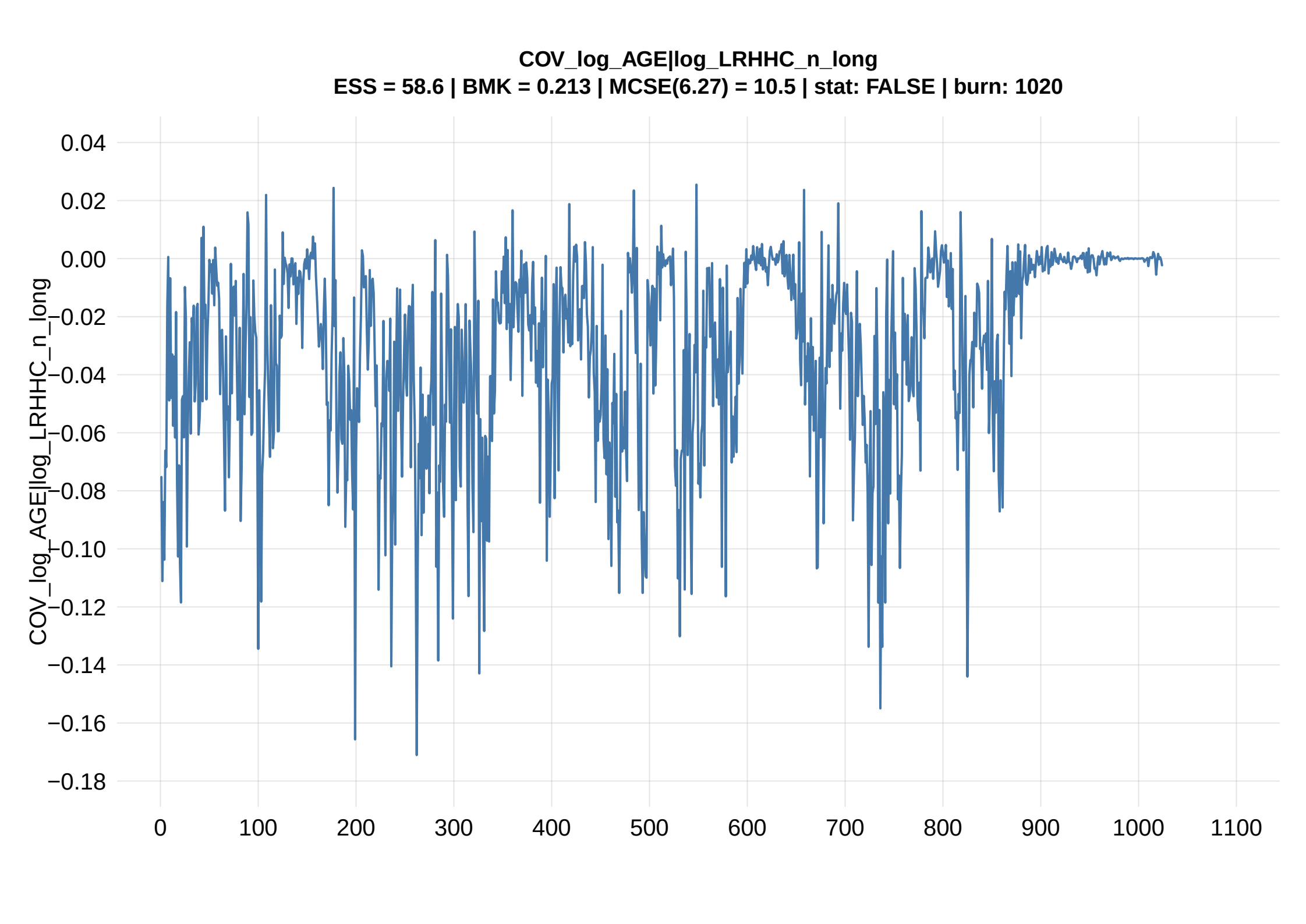

VAR_TRABSCOR_neuro
ESS = 1020 | BMK = 0.0456 | MCSE(6.27) = 3.91 | stat: TRUE | burn: 0
VAR_TRABSCOR_neuro
8.8
8.7
8.6
8.5
8.4
8.3
8.2
8.1
8.0
7.9
7.8
7.7
0
100
200
300
400
500
600
700
800
900
1000
1100

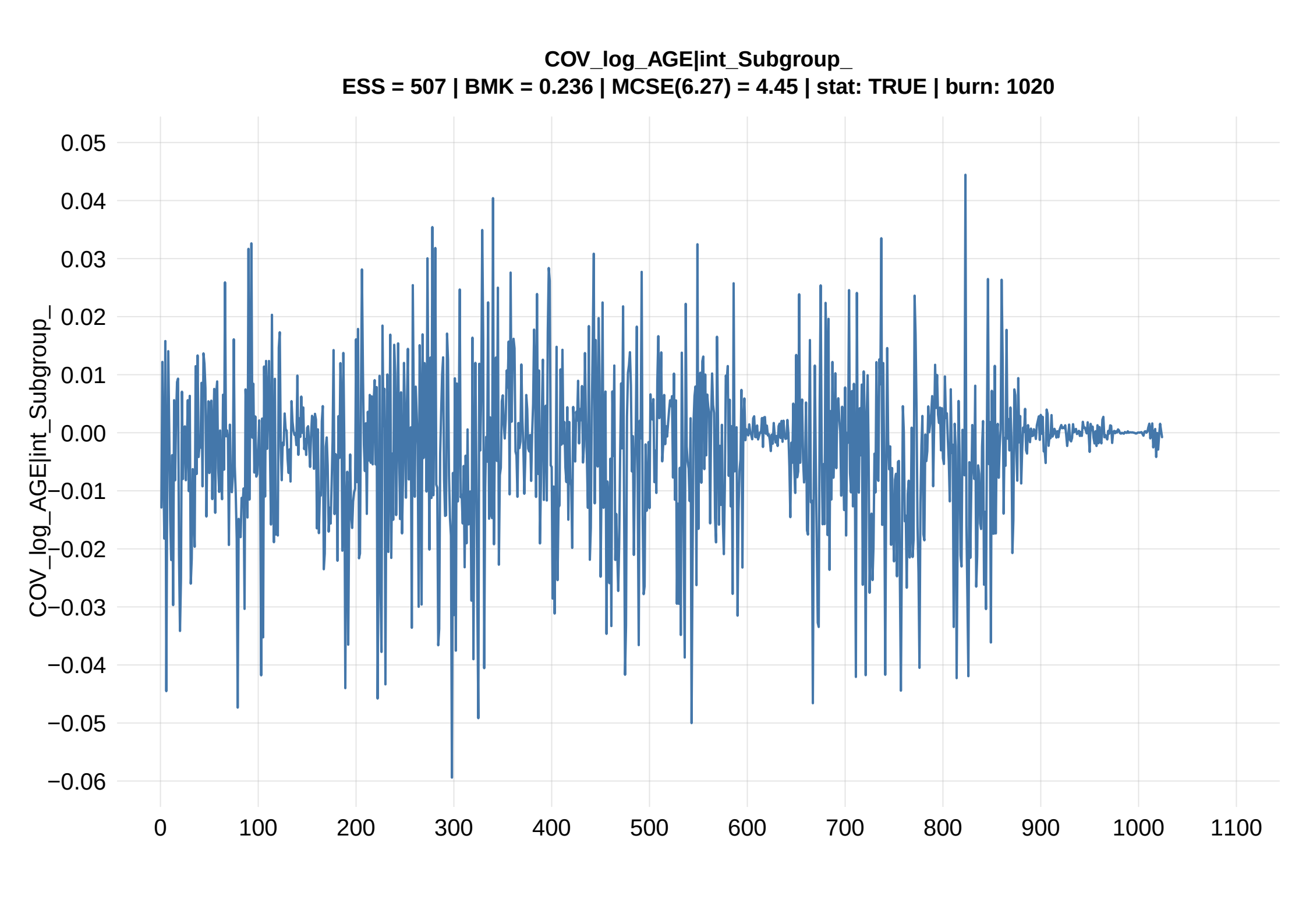

VAR_CATANIMSC_neuro
ESS = 461 | BMK = 0.137 | MCSE(6.27) = 5.2 | stat: FALSE | burn: 0
VAR_CATANIMSC_neuro
3.6
3.5
3.4
3.3
3.2
3.1
3.0
2.9
2.8
2.7
2.6
0
100
200
300
400
500
600
700
800
900
1000
1100

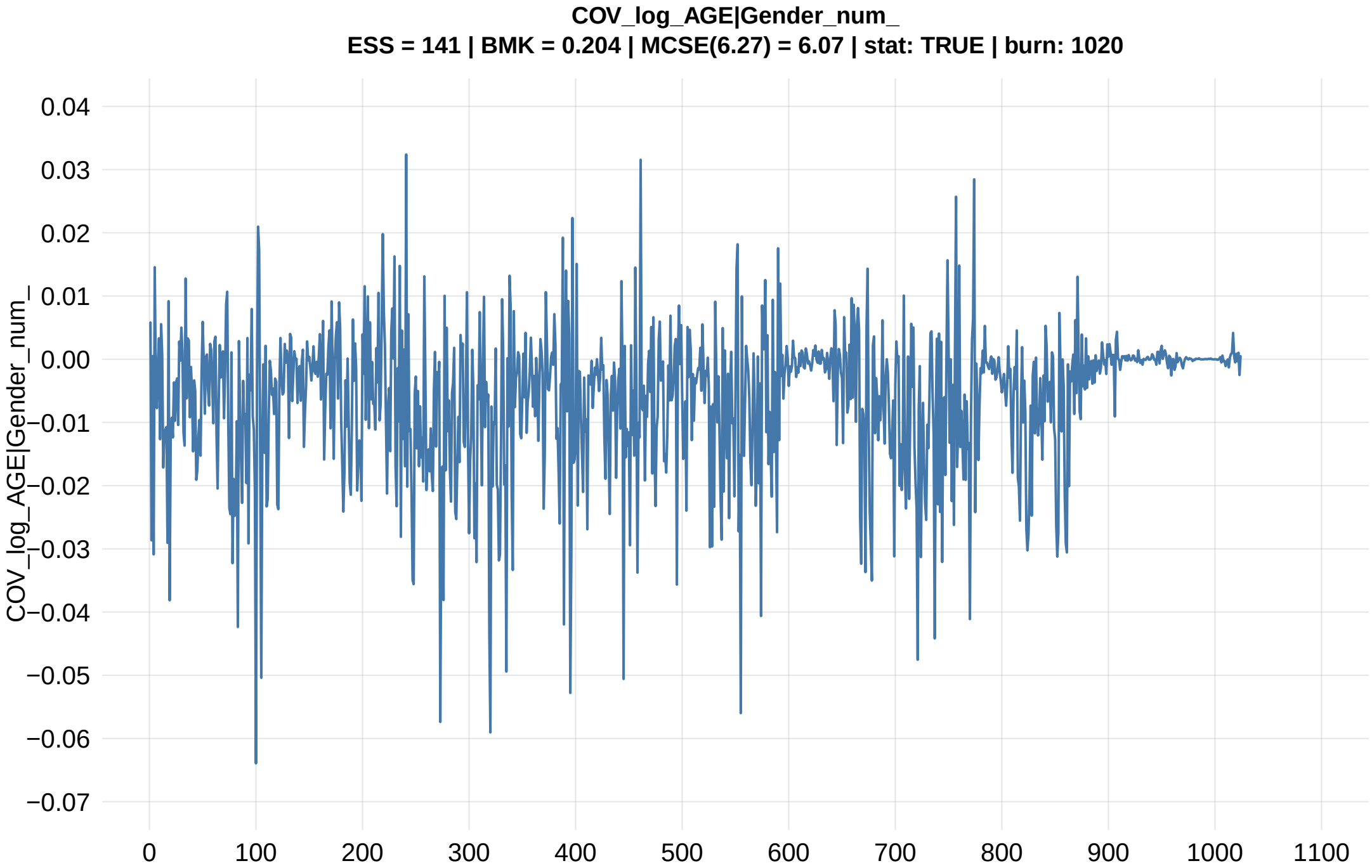

VAR_Apoe4_
ESS = 1020 | BMK = 0.0611 | MCSE(6.27) = 3.24 | stat: TRUE | burn: 0
VAR_Apoe4_
−1.38
−1.40
−1.42
−1.44
−1.46
−1.48
−1.50
−1.52
−1.54
0
100
200
300
400
500
600
700
800
900
1000
1100

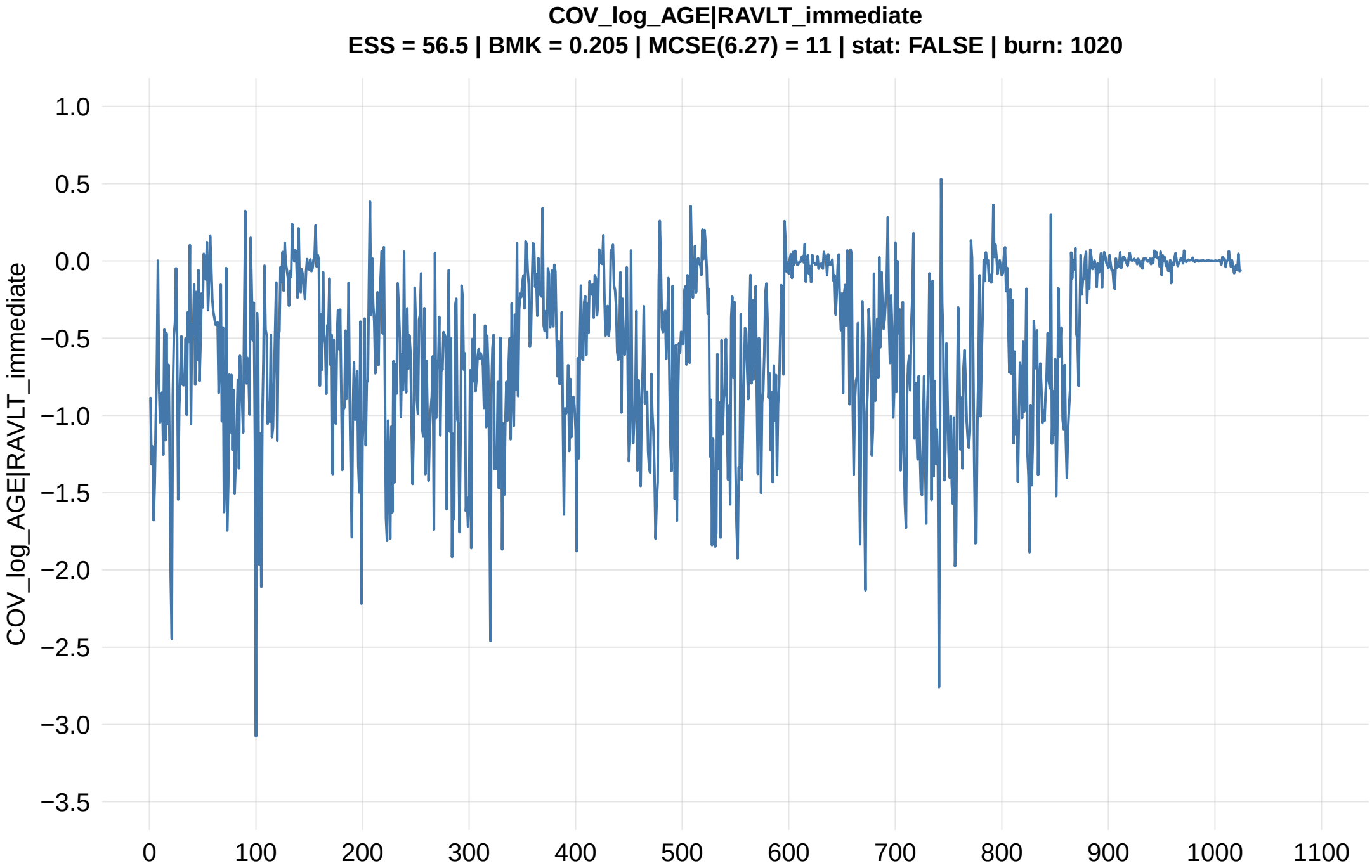

VAR_GDTOTAL_gds
ESS = 650 | BMK = 0.0969 | MCSE(6.27) = 4.41 | stat: TRUE | burn: 0
VAR_GDTOTAL_gds
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0
100
200
300
400
500
600
700
800
900
1000
1100

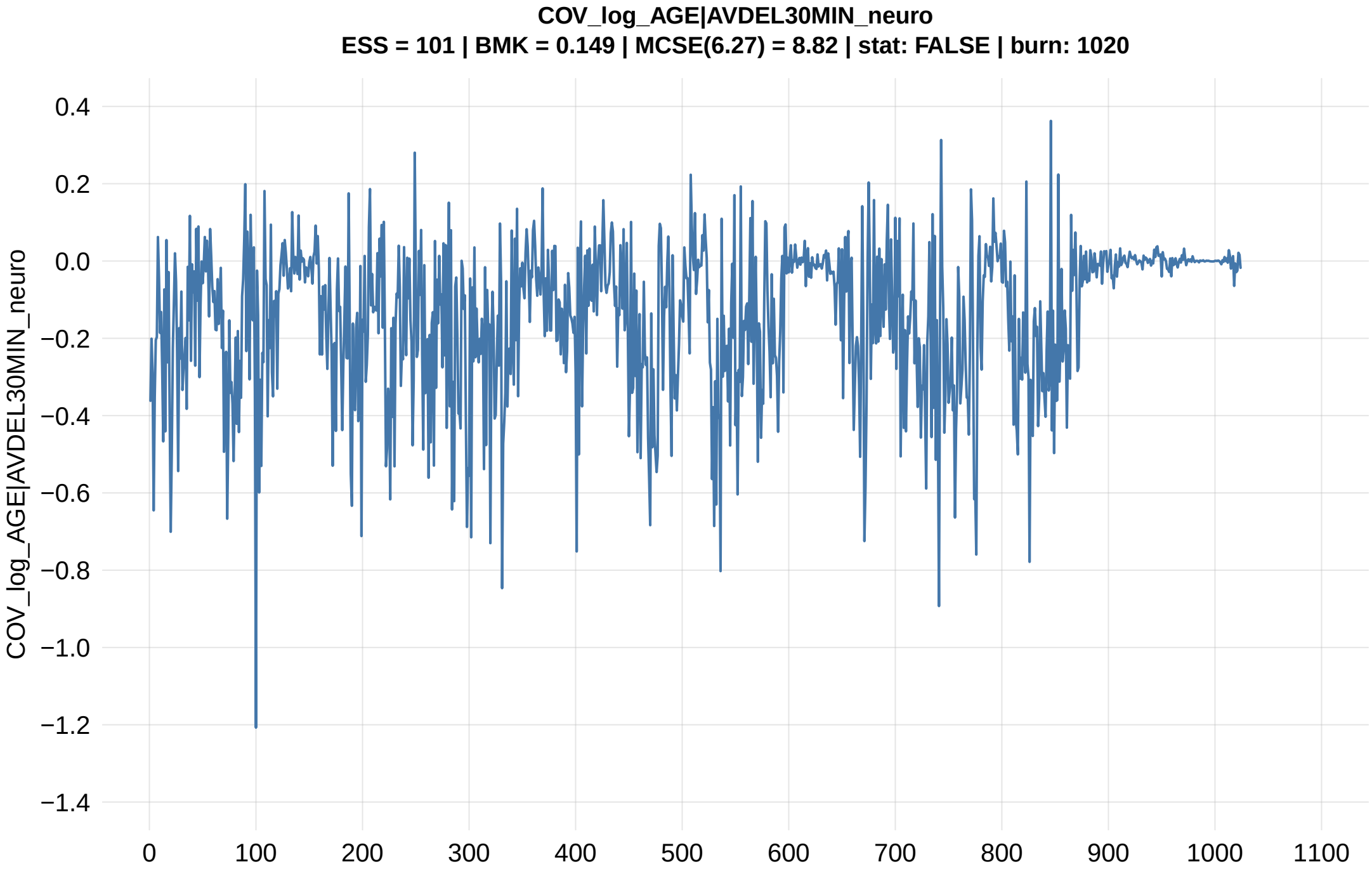

VAR_ANARTERR_neuro
ESS = 1020 | BMK = 0.0485 | MCSE(6.27) = 3.83 | stat: TRUE | burn: 0
VAR_ANARTERR_neuro
4.8
4.7
4.6
4.5
4.4
4.3
4.2
4.1
4.0
3.9
0
100
200
300
400
500
600
700
800
900
1000
1100

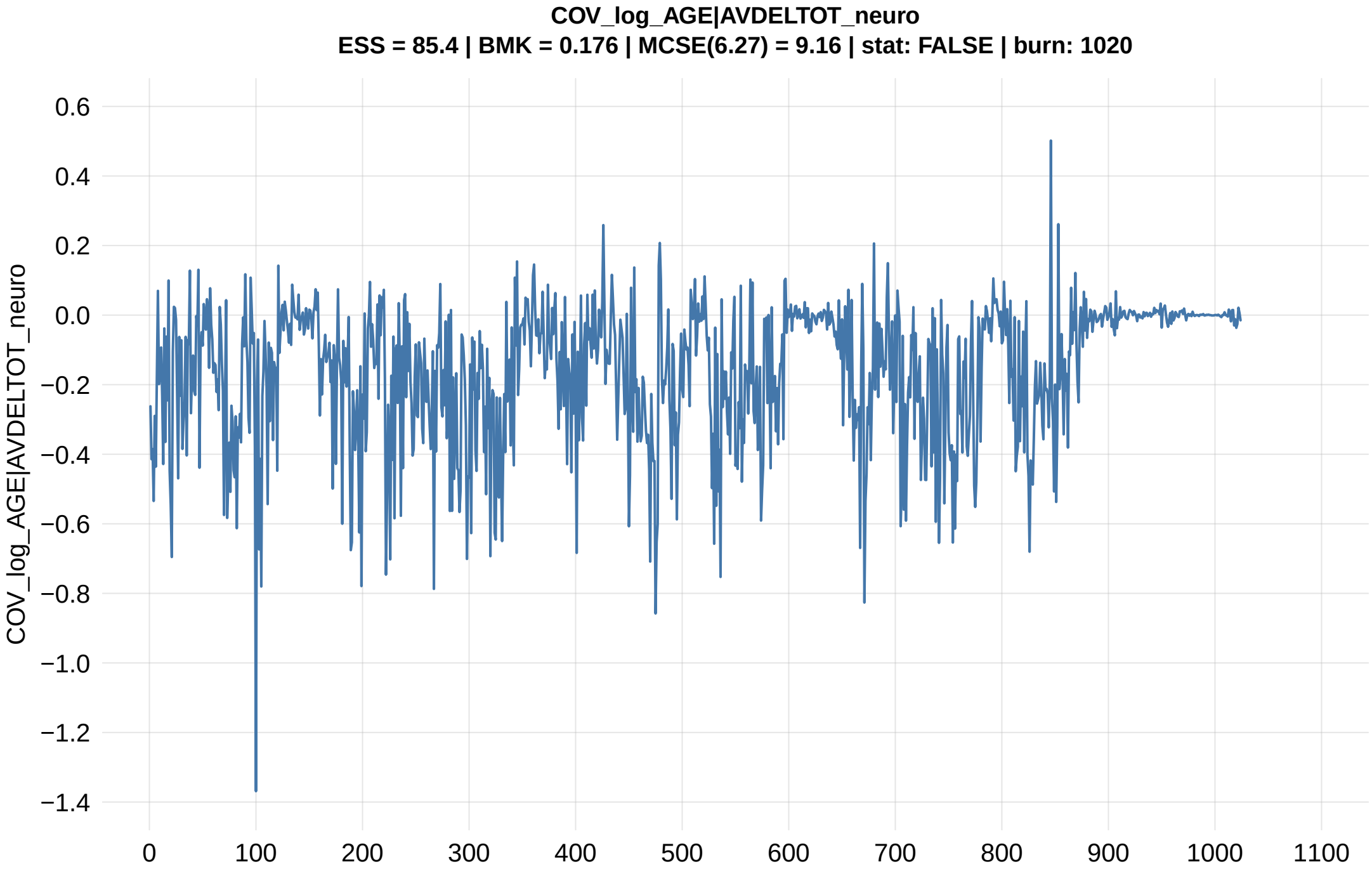

COV_log_AGE|log_LRHHC_n_long
ESS = 58.6 | BMK = 0.213 | MCSE(6.27) = 10.5 | stat: FALSE | burn: 1020
COV_log_AGE|log_LRHHC_n_long
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08
−0.10
−0.12
−0.14
−0.16
−0.18
0
100
200
300
400
500
600
700
800
900
1000
1100

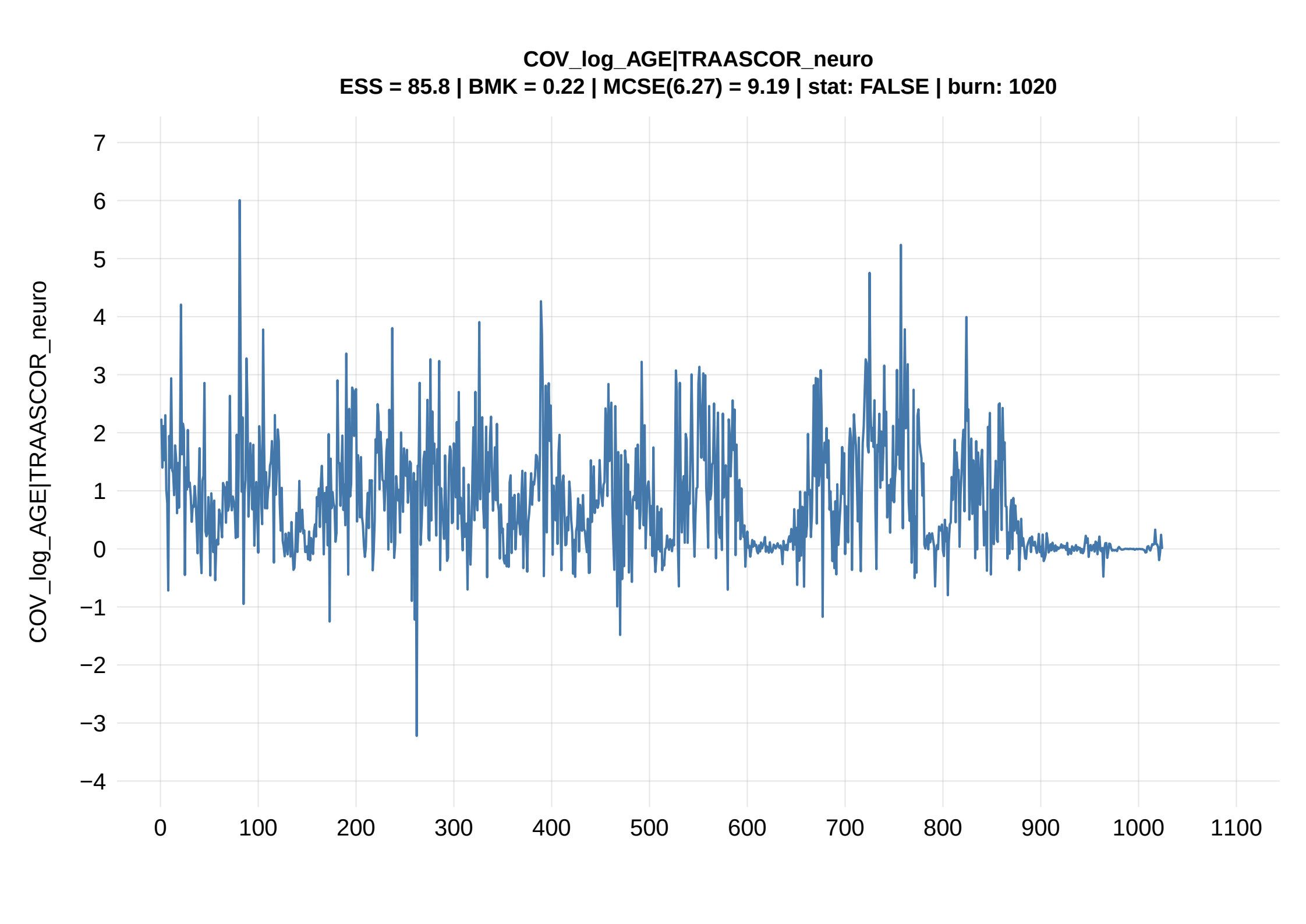

COV_log_AGE|int_Subgroup_
ESS = 507 | BMK = 0.236 | MCSE(6.27) = 4.45 | stat: TRUE | burn: 1020
COV_log_AGE|int_Subgroup_
0.05
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
0
100
200
300
400
500
600
700
800
900
1000
1100

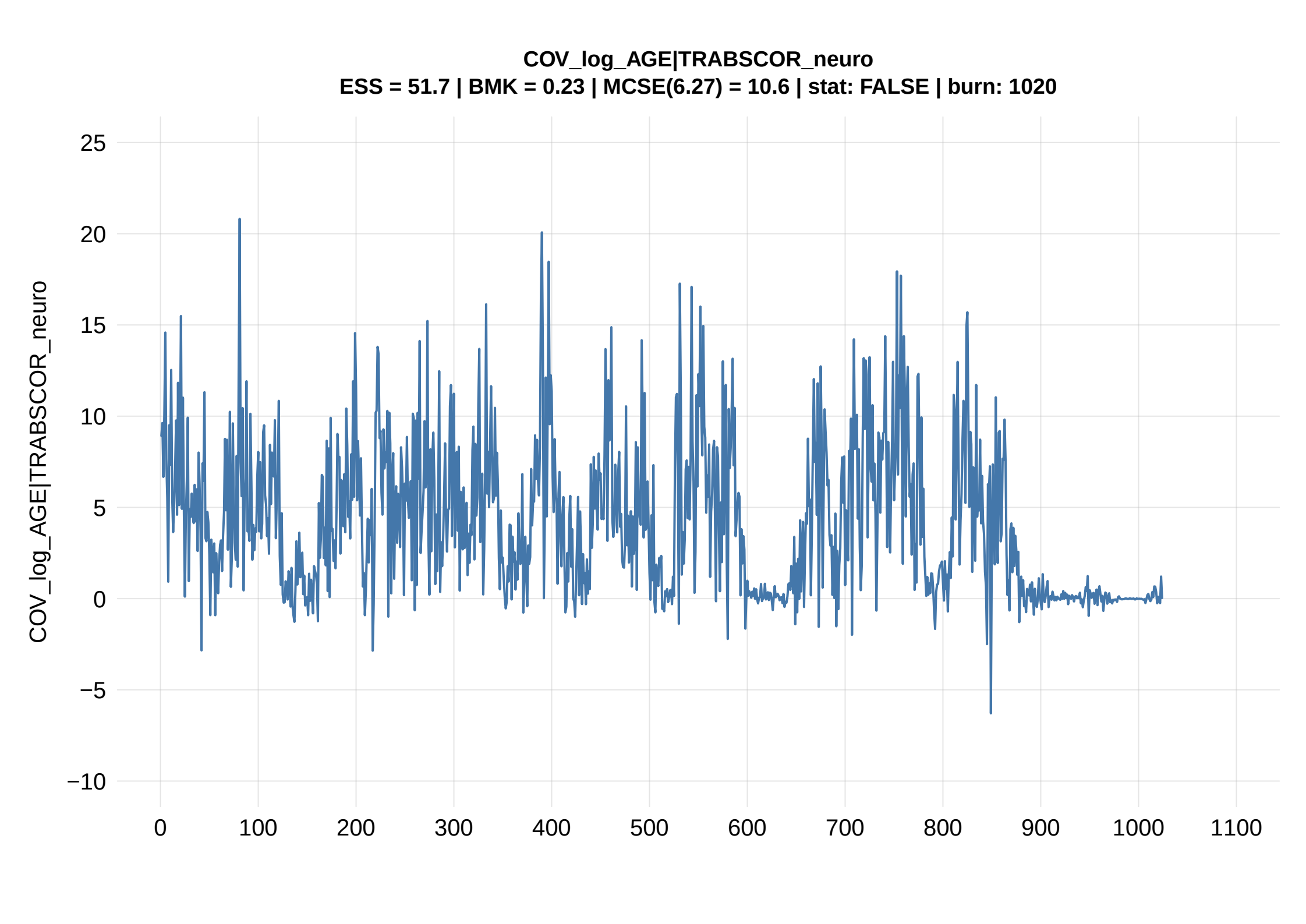

COV_log_AGE|Gender_num_
ESS = 141 | BMK = 0.204 | MCSE(6.27) = 6.07 | stat: TRUE | burn: 1020
COV_log_AGE|Gender_num_
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
−0.07
0
100
200
300
400
500
600
700
800
900
1000
1100

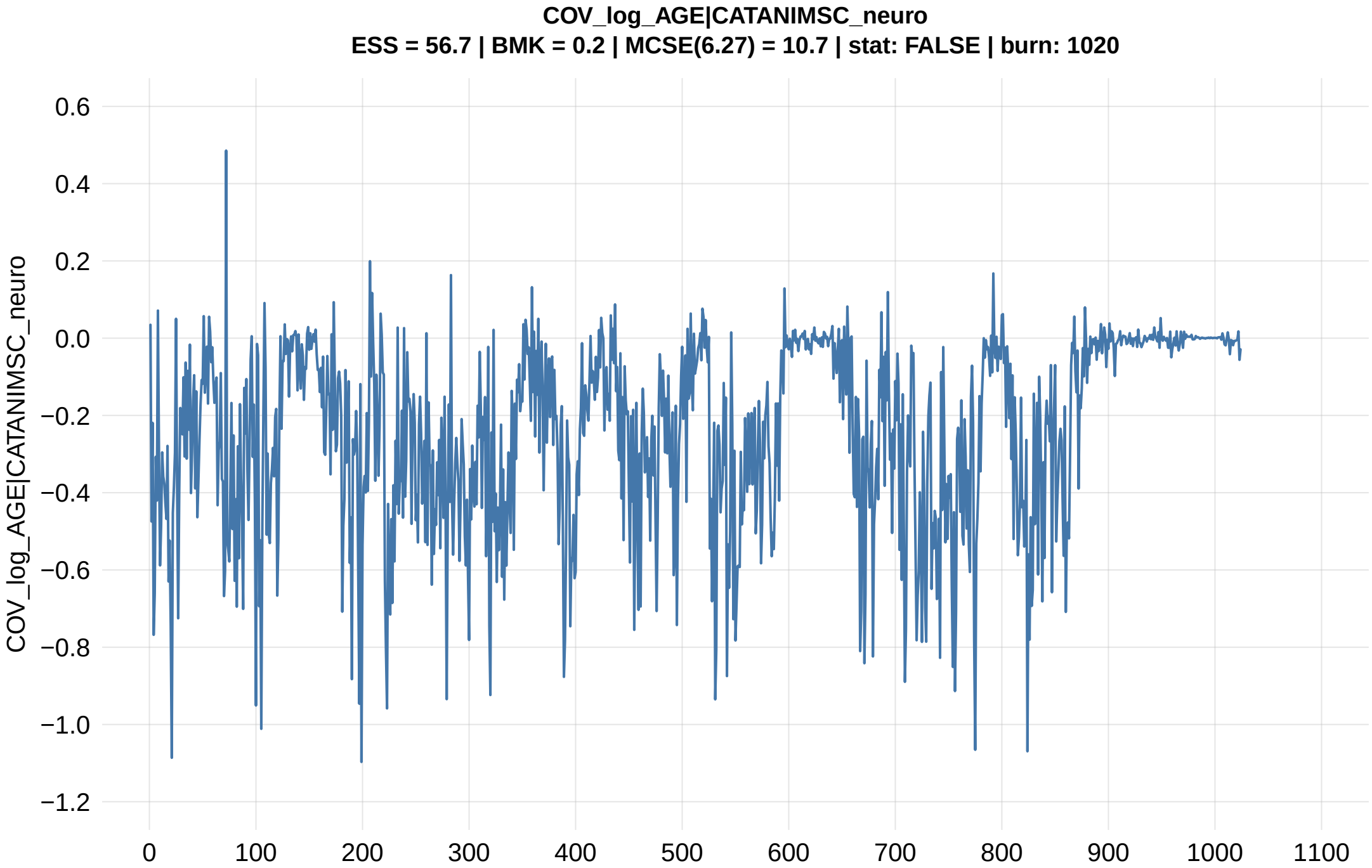

COV_log_AGE|RAVLT_immediate
ESS = 56.5 | BMK = 0.205 | MCSE(6.27) = 11 | stat: FALSE | burn: 1020
COV_log_AGE|RAVLT_immediate
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
−3.5
0
100
200
300
400
500
600
700
800
900
1000
1100

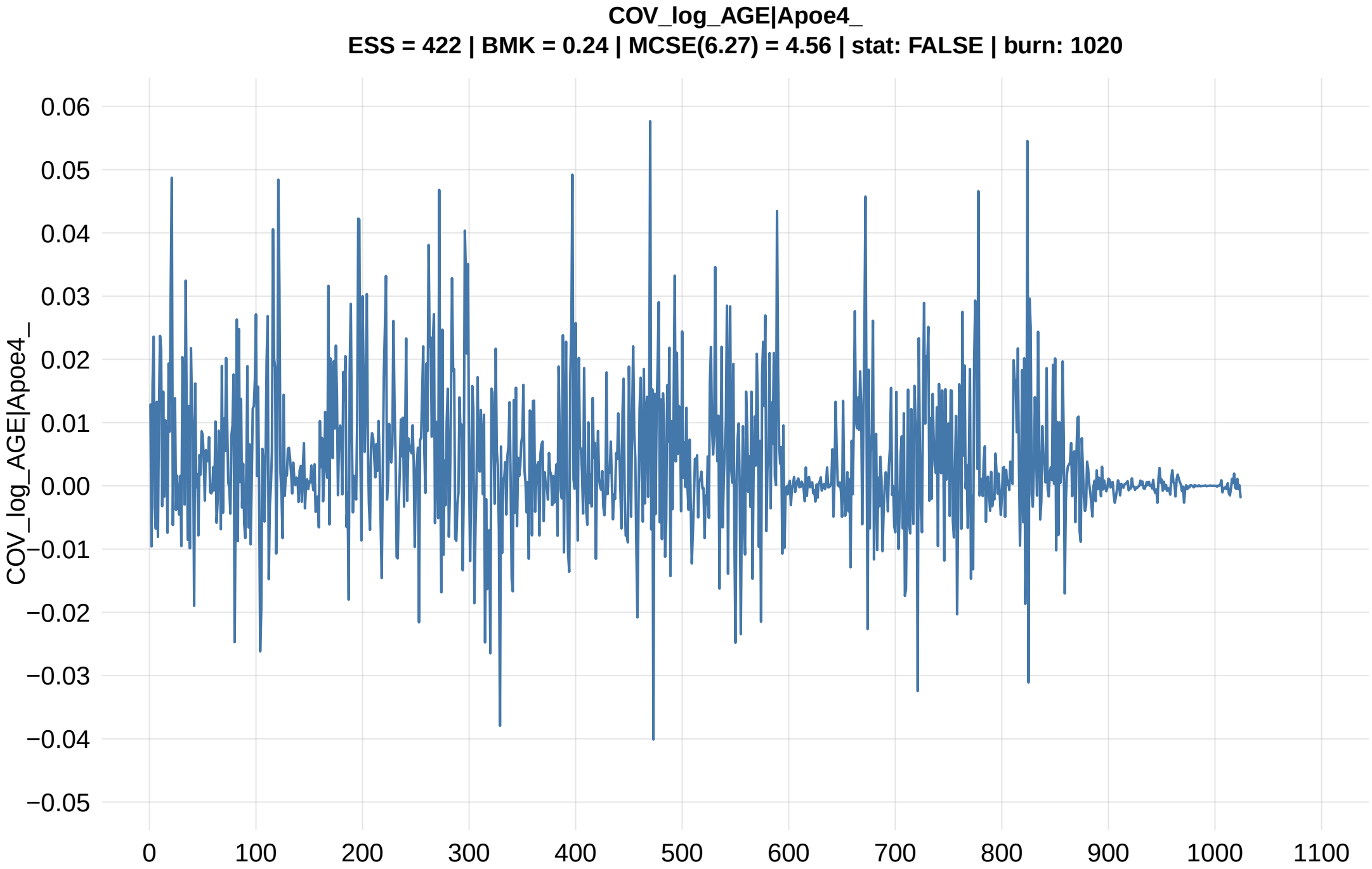

COV_log_AGE|AVDEL30MIN_neuro
ESS = 101 | BMK = 0.149 | MCSE(6.27) = 8.82 | stat: FALSE | burn: 1020
COV_log_AGE|AVDEL30MIN_neuro
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
−1.4
0
100
200
300
400
500
600
700
800
900
1000
1100

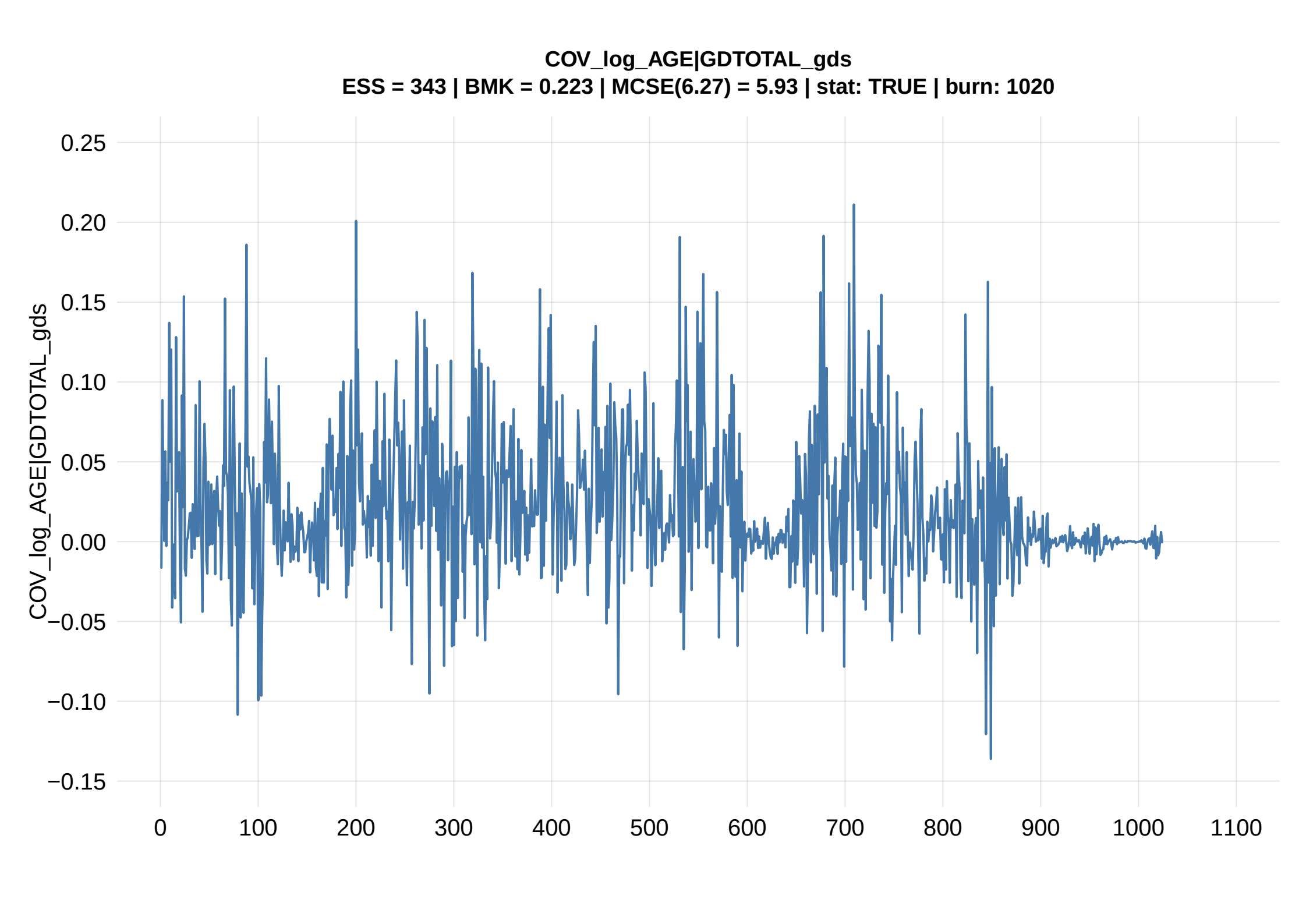

COV_log_AGE|AVDELTOT_neuro
ESS = 85.4 | BMK = 0.176 | MCSE(6.27) = 9.16 | stat: FALSE | burn: 1020
COV_log_AGE|AVDELTOT_neuro
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
−1.4
0
100
200
300
400
500
600
700
800
900
1000
1100

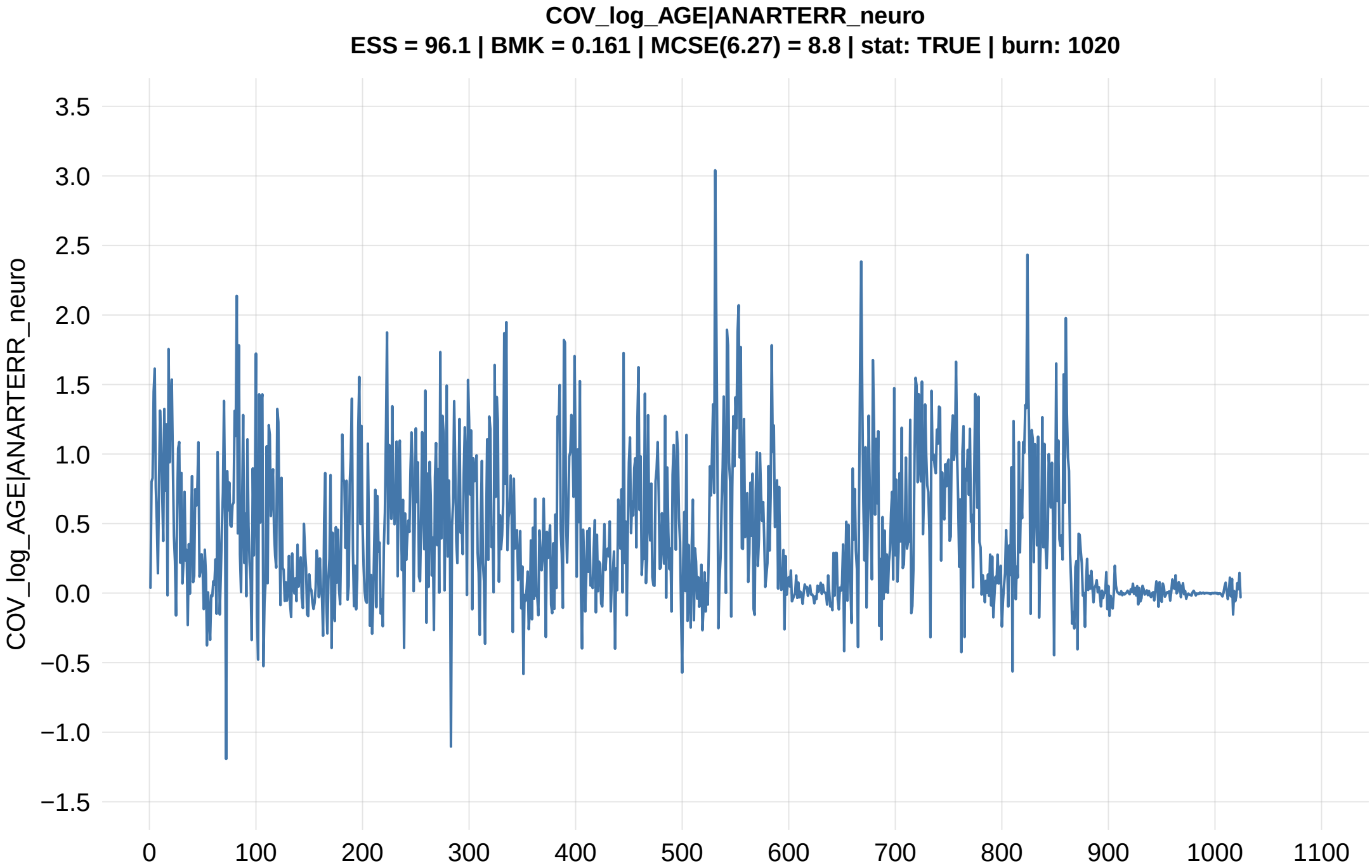

COV_log_AGE|TRAASCOR_neuro
ESS = 85.8 | BMK = 0.22 | MCSE(6.27) = 9.19 | stat: FALSE | burn: 1020
COV_log_AGE|TRAASCOR_neuro
7
6
5
4
3
2
1
0
−1
−2
−3
−4
0
100
200
300
400
500
600
700
800
900
1000
1100

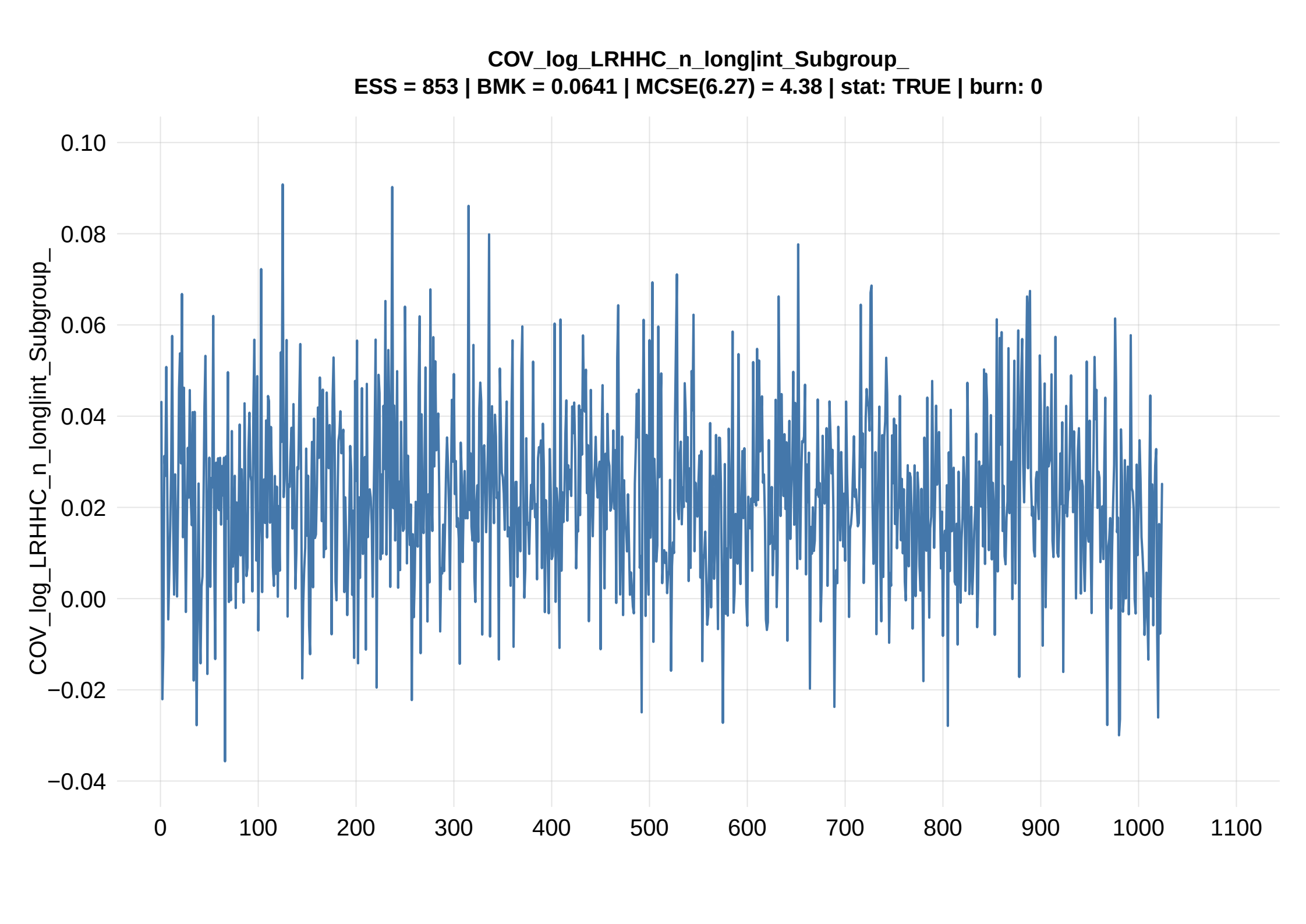

COV_log_AGE|TRABSCOR_neuro
ESS = 51.7 | BMK = 0.23 | MCSE(6.27) = 10.6 | stat: FALSE | burn: 1020
COV_log_AGE|TRABSCOR_neuro
25
20
15
10
5
0
−5
−10
0
100
200
300
400
500
600
700
800
900
1000
1100

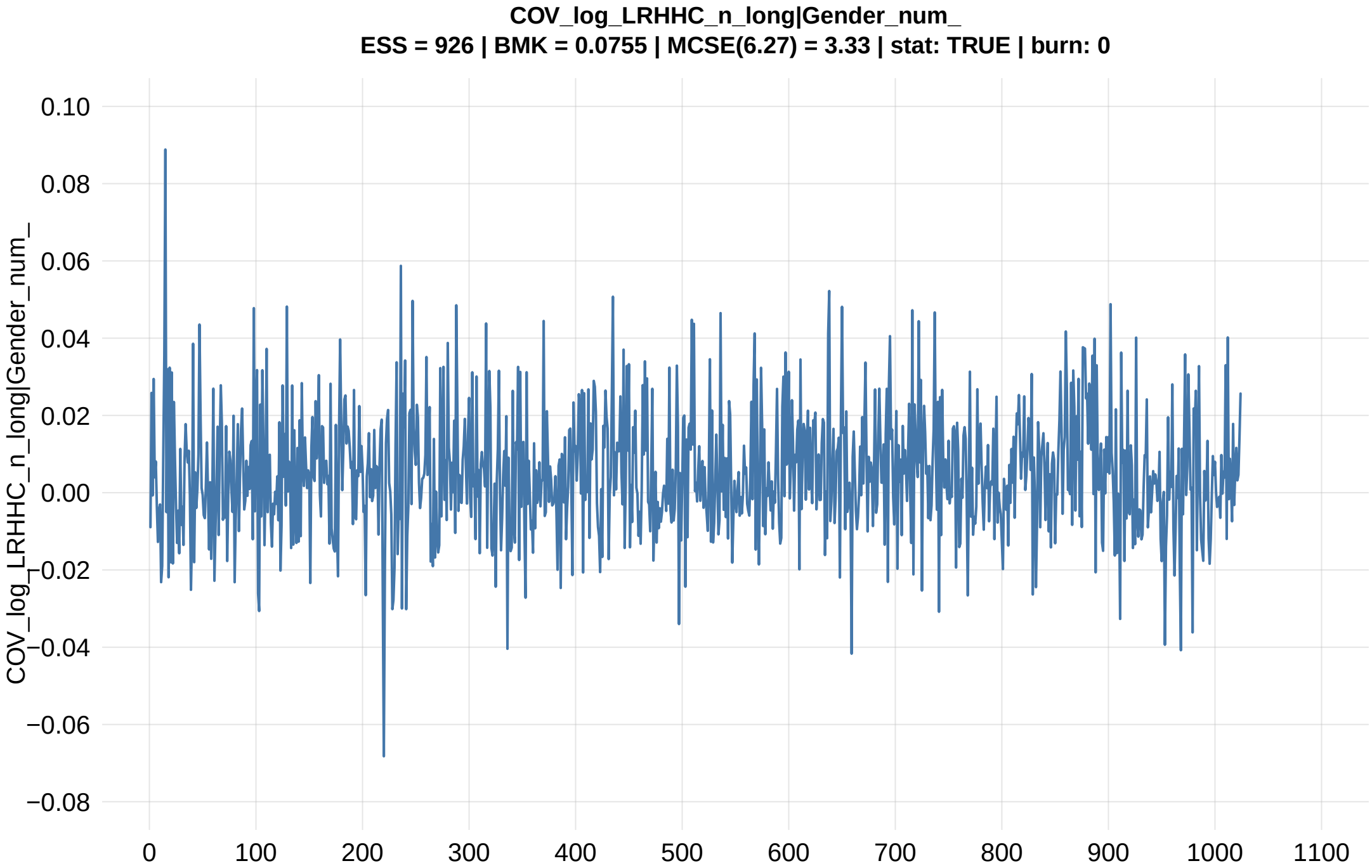

COV_log_AGE|CATANIMSC_neuro
ESS = 56.7 | BMK = 0.2 | MCSE(6.27) = 10.7 | stat: FALSE | burn: 1020
COV_log_AGE|CATANIMSC_neuro
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
0
100
200
300
400
500
600
700
800
900
1000
1100

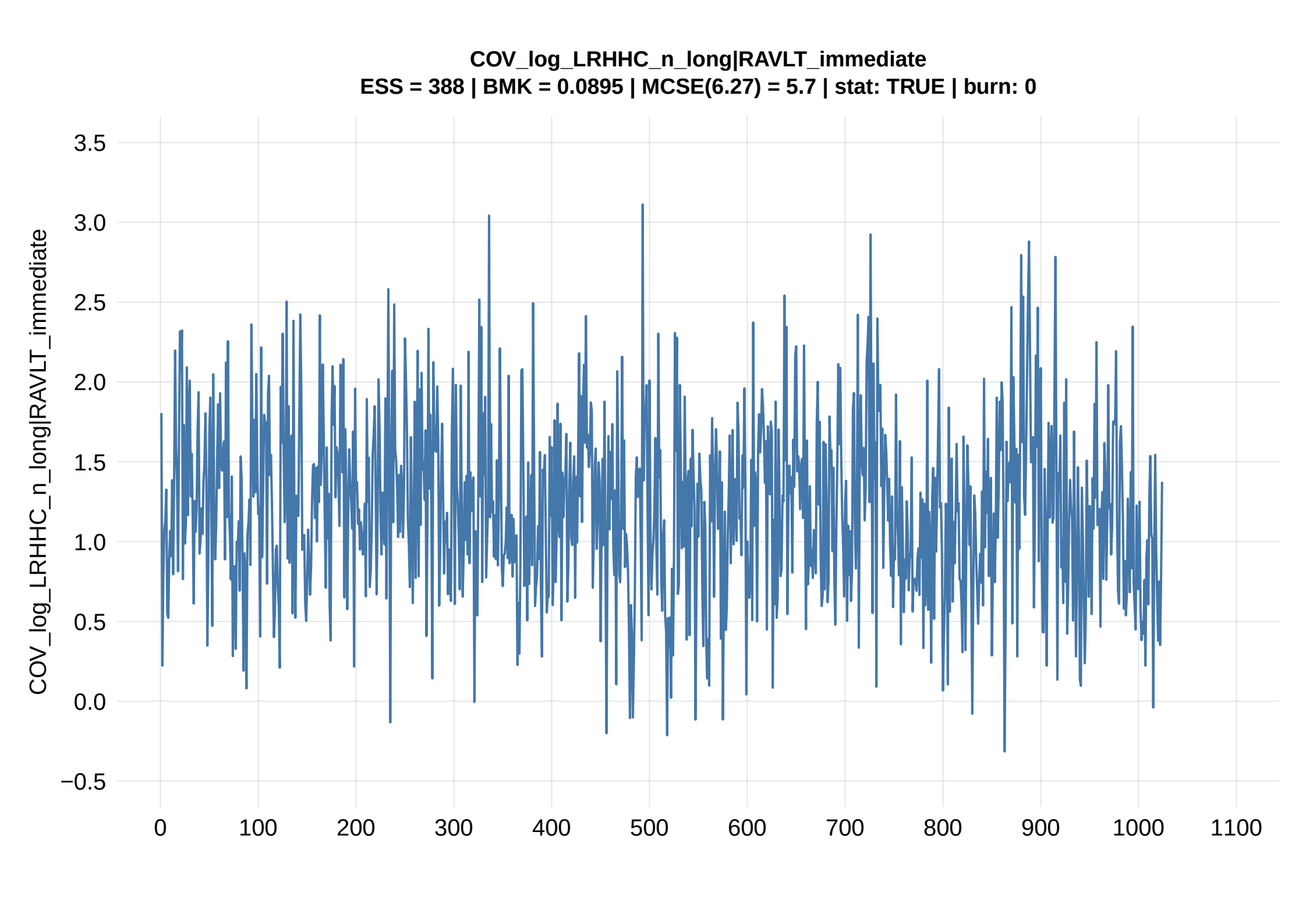

COV_log_AGE|Apoe4_
ESS = 422 | BMK = 0.24 | MCSE(6.27) = 4.56 | stat: FALSE | burn: 1020
COV_log_AGE|Apoe4_
0.06
0.05
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
−0.04
−0.05
0
100
200
300
400
500
600
700
800
900
1000
1100

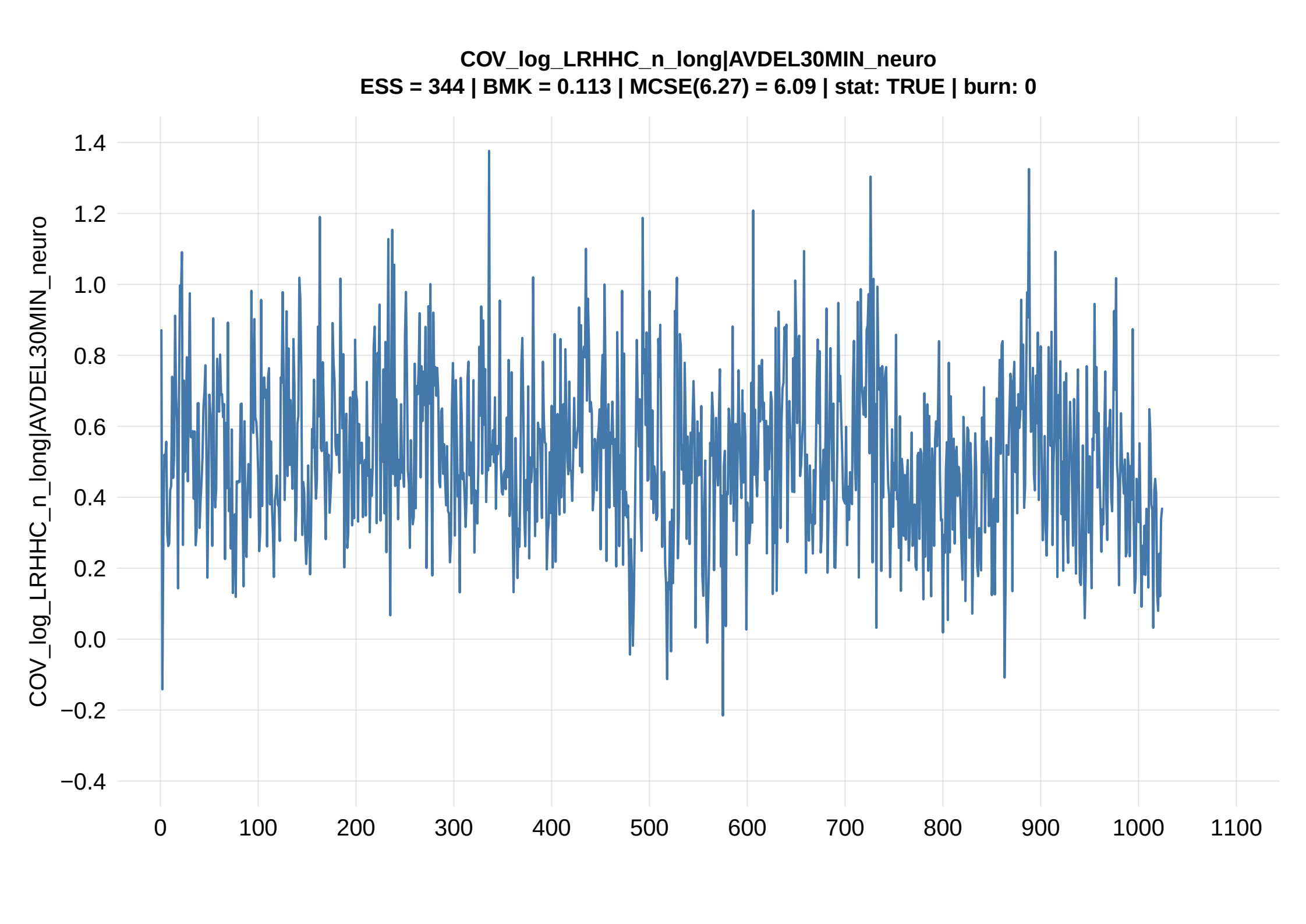

COV_log_AGE|GDTOTAL_gds
ESS = 343 | BMK = 0.223 | MCSE(6.27) = 5.93 | stat: TRUE | burn: 1020
COV_log_AGE|GDTOTAL_gds
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
0
100
200
300
400
500
600
700
800
900
1000
1100

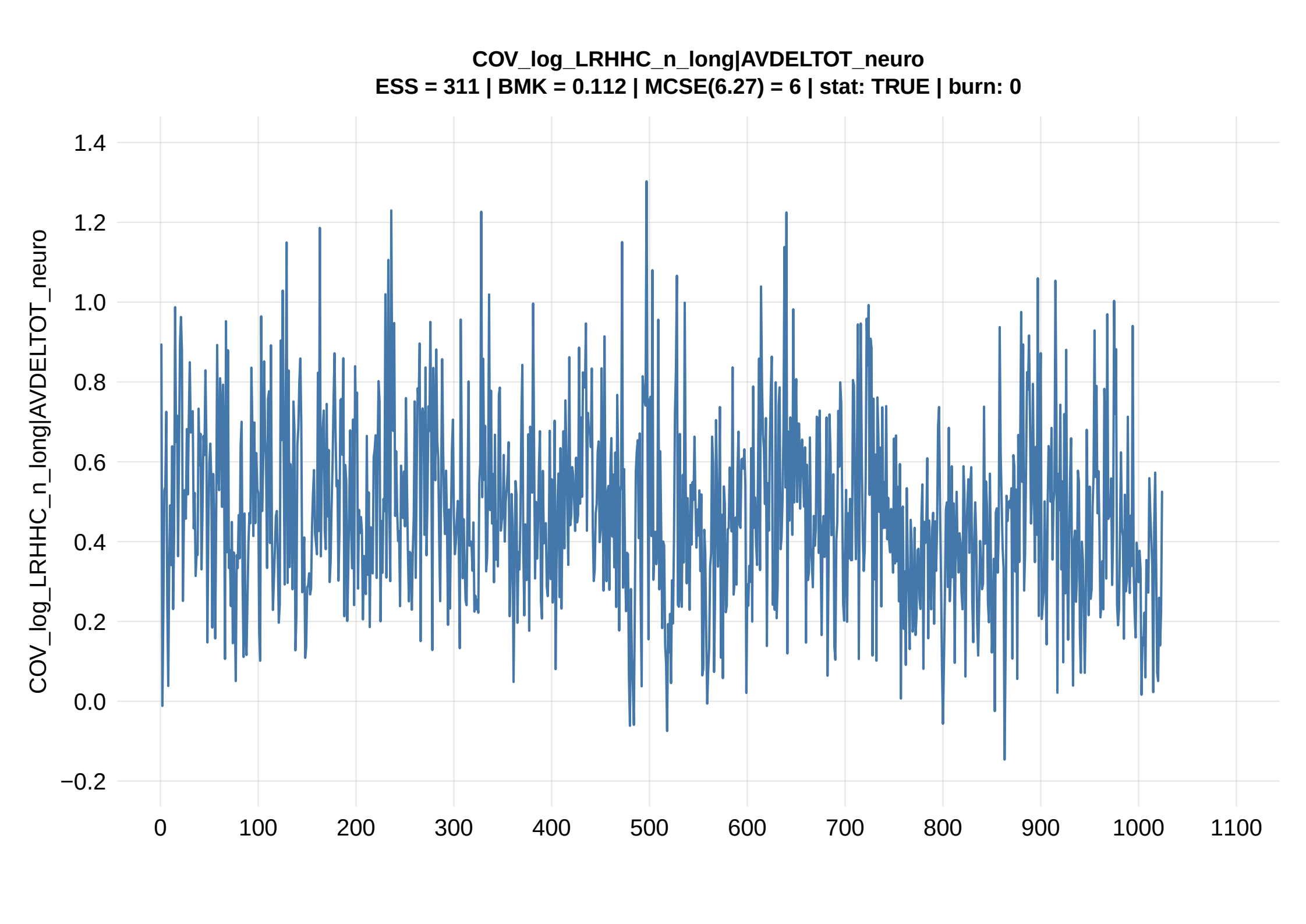

COV_log_AGE|ANARTERR_neuro
ESS = 96.1 | BMK = 0.161 | MCSE(6.27) = 8.8 | stat: TRUE | burn: 1020
COV_log_AGE|ANARTERR_neuro
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
0
100
200
300
400
500
600
700
800
900
1000
1100

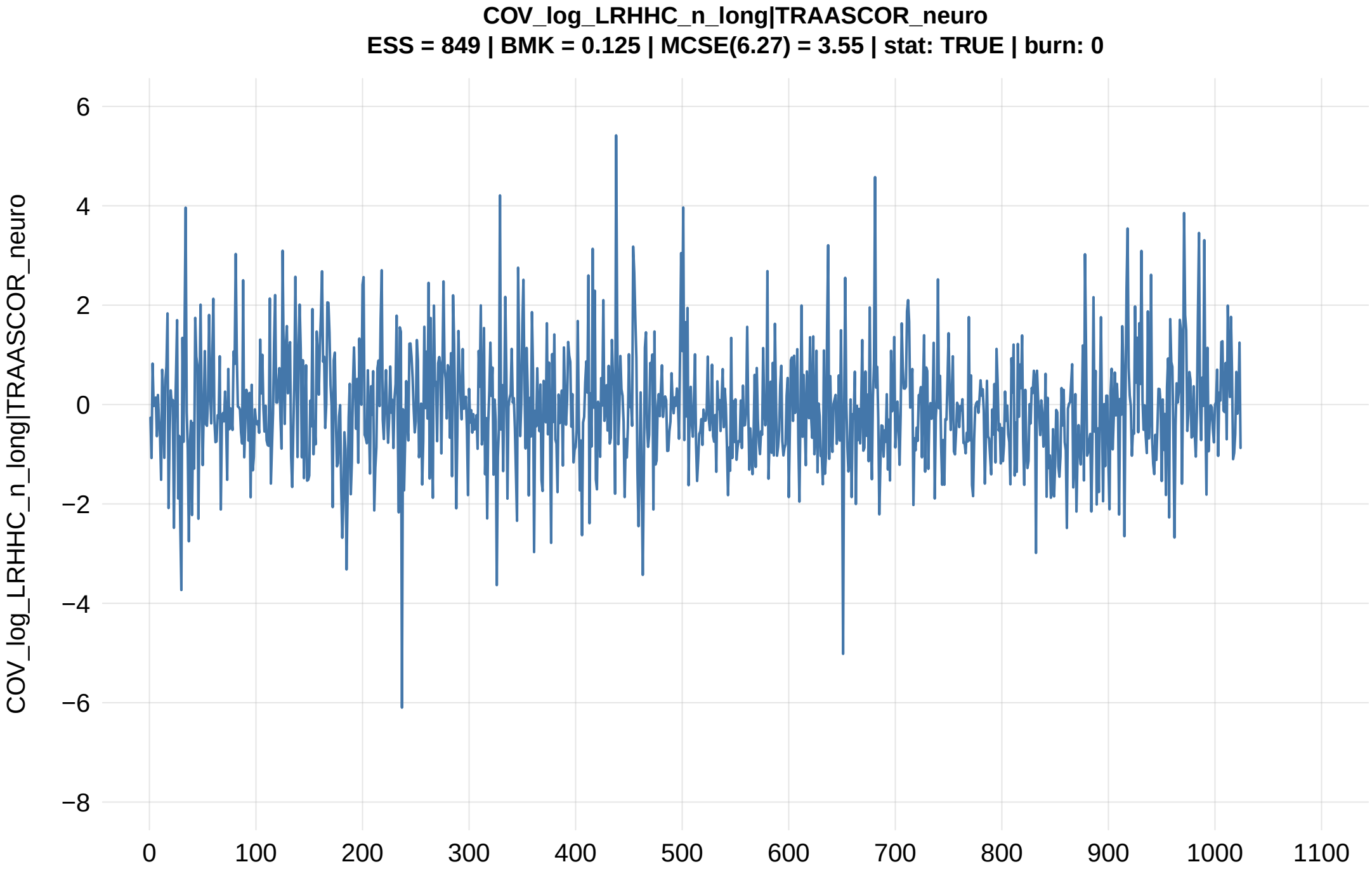

COV_log_LRHHC_n_long|int_Subgroup_
ESS = 853 | BMK = 0.0641 | MCSE(6.27) = 4.38 | stat: TRUE | burn: 0
COV_log_LRHHC_n_long|int_Subgroup_
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
0
100
200
300
400
500
600
700
800
900
1000
1100

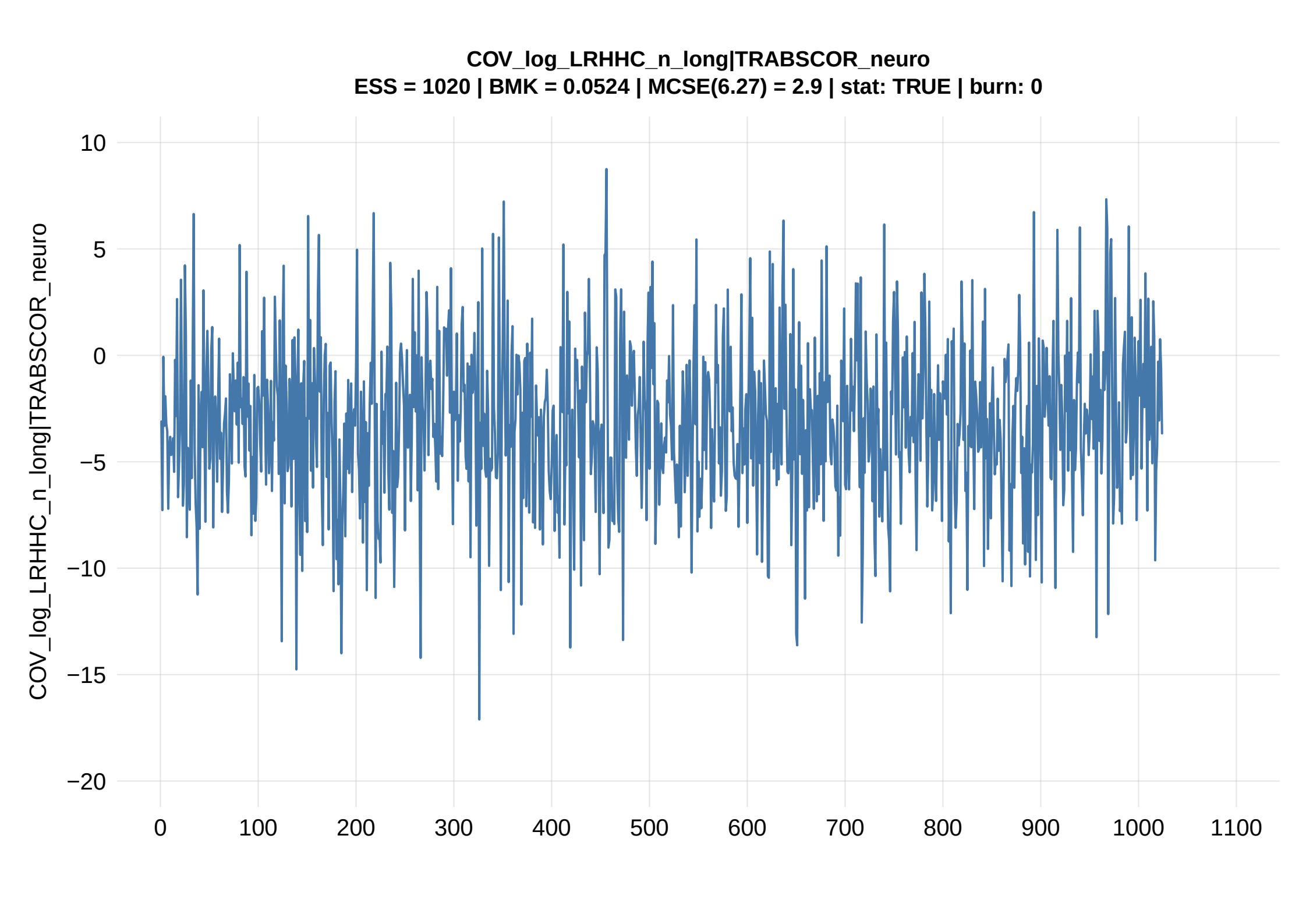

COV_log_LRHHC_n_long|Gender_num_
ESS = 926 | BMK = 0.0755 | MCSE(6.27) = 3.33 | stat: TRUE | burn: 0
COV_log_LRHHC_n_long|Gender_num_
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08
0
100
200
300
400
500
600
700
800
900
1000
1100

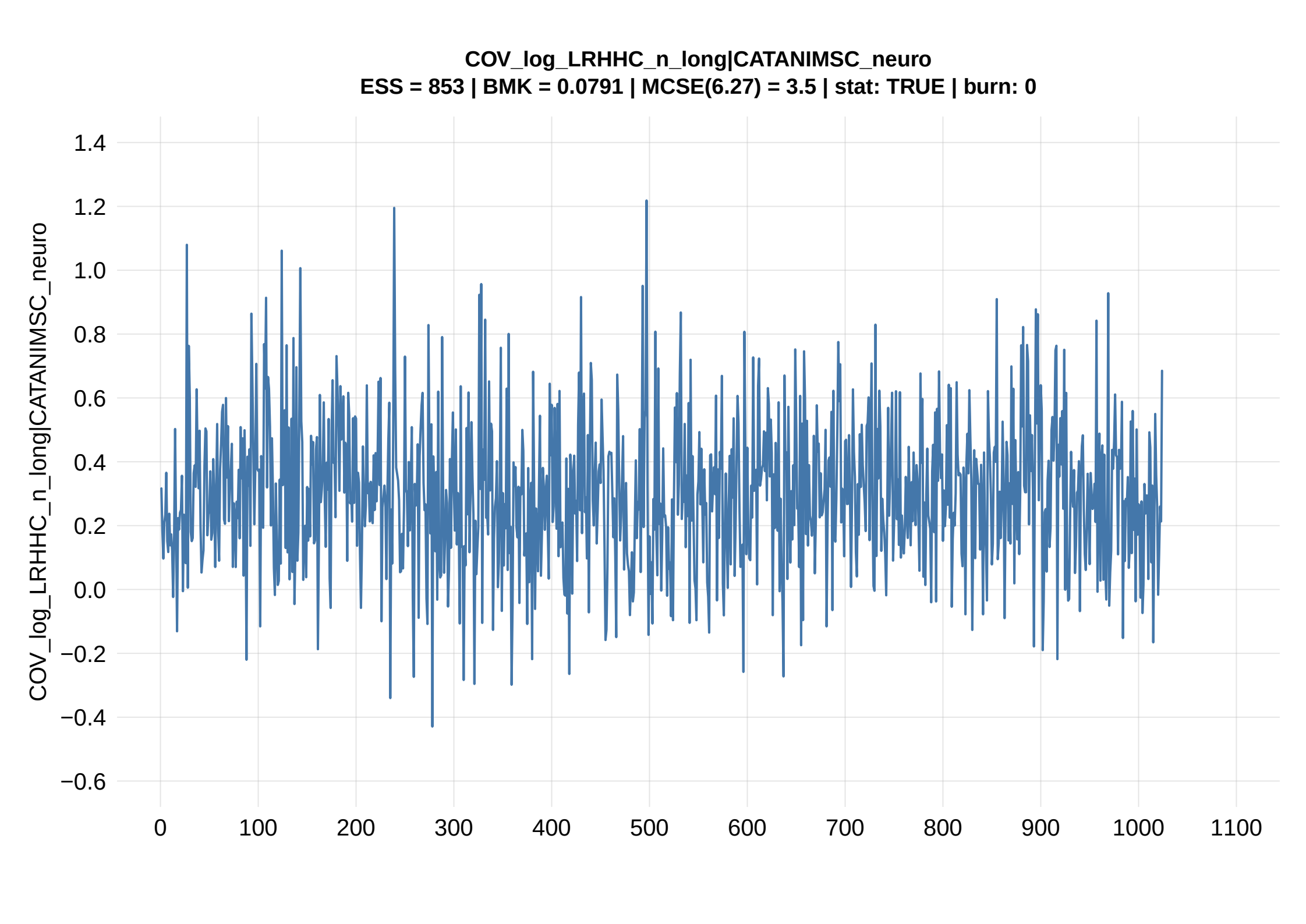

COV_log_LRHHC_n_long|RAVLT_immediate
ESS = 388 | BMK = 0.0895 | MCSE(6.27) = 5.7 | stat: TRUE | burn: 0
COV_log_LRHHC_n_long|RAVLT_immediate
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
0
100
200
300
400
500
600
700
800
900
1000
1100

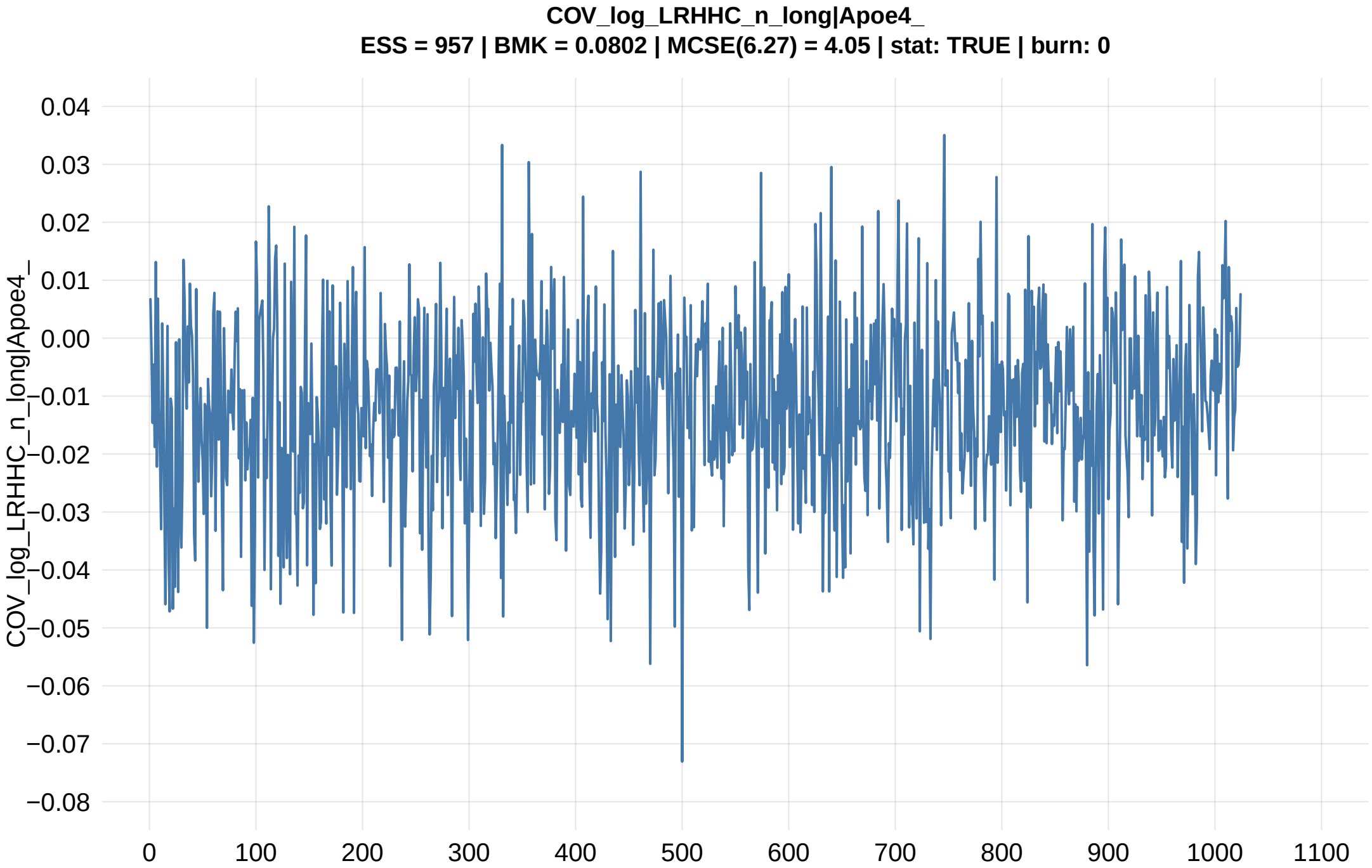

COV_log_LRHHC_n_long|AVDEL30MIN_neuro
ESS = 344 | BMK = 0.113 | MCSE(6.27) = 6.09 | stat: TRUE | burn: 0
COV_log_LRHHC_n_long|AVDEL30MIN_neuro
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
0
100
200
300
400
500
600
700
800
900
1000
1100

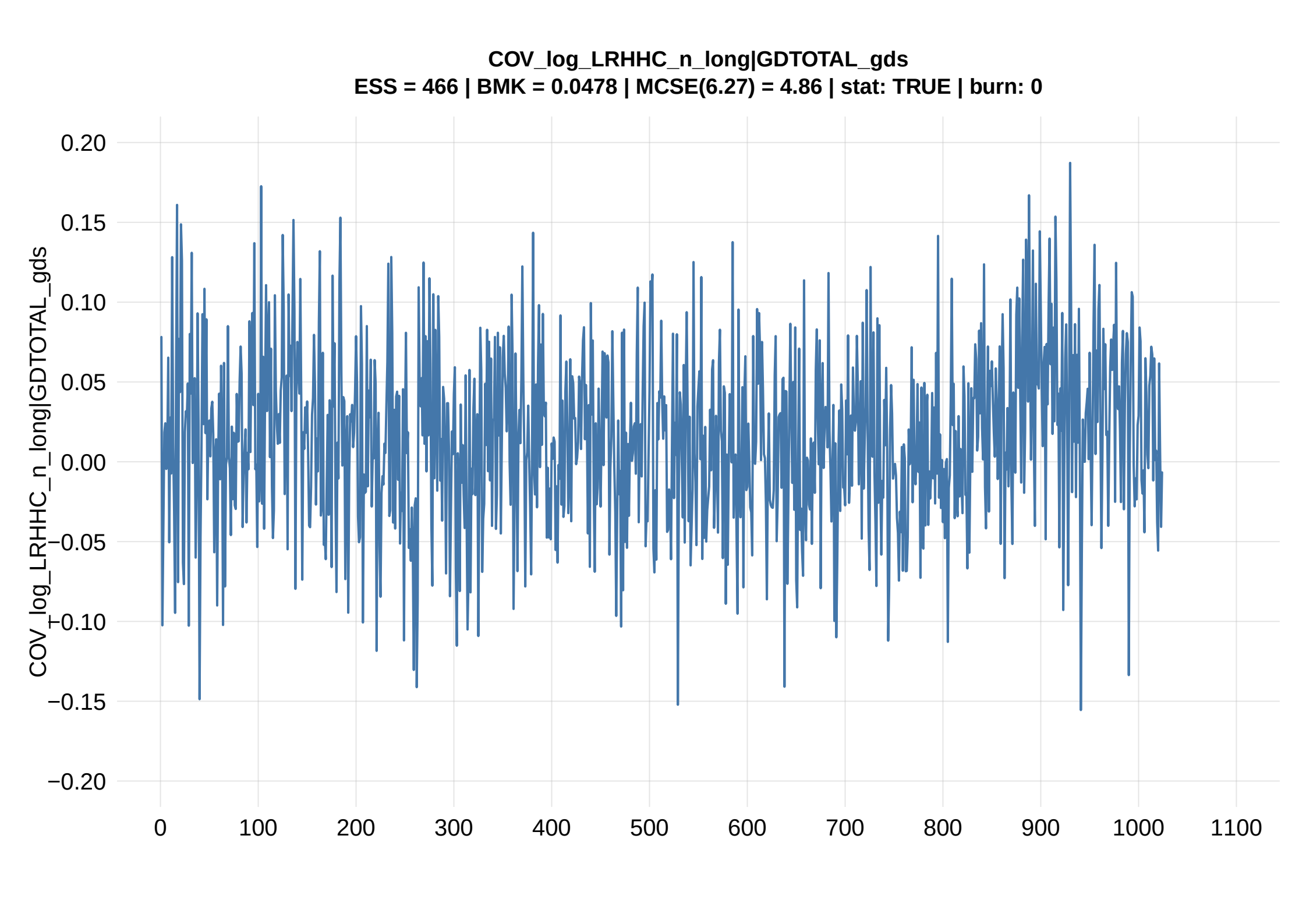

COV_log_LRHHC_n_long|AVDELTOT_neuro
ESS = 311 | BMK = 0.112 | MCSE(6.27) = 6 | stat: TRUE | burn: 0
COV_log_LRHHC_n_long|AVDELTOT_neuro
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
0
100
200
300
400
500
600
700
800
900
1000
1100

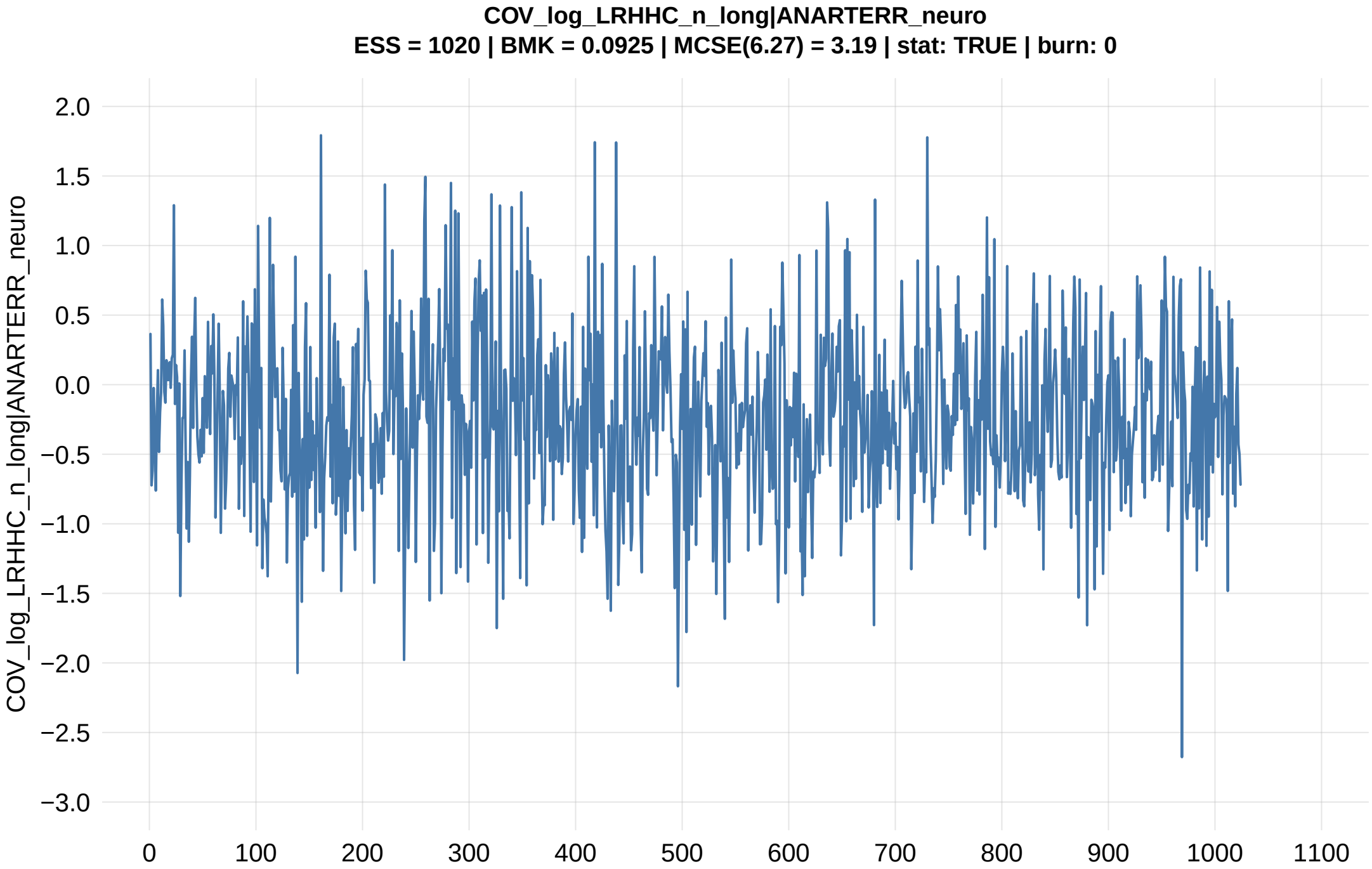

COV_log_LRHHC_n_long|TRAASCOR_neuro
ESS = 849 | BMK = 0.125 | MCSE(6.27) = 3.55 | stat: TRUE | burn: 0
COV_log_LRHHC_n_long|TRAASCOR_neuro
6
4
2
0
−2
−4
−6
−8
0
100
200
300
400
500
600
700
800
900
1000
1100

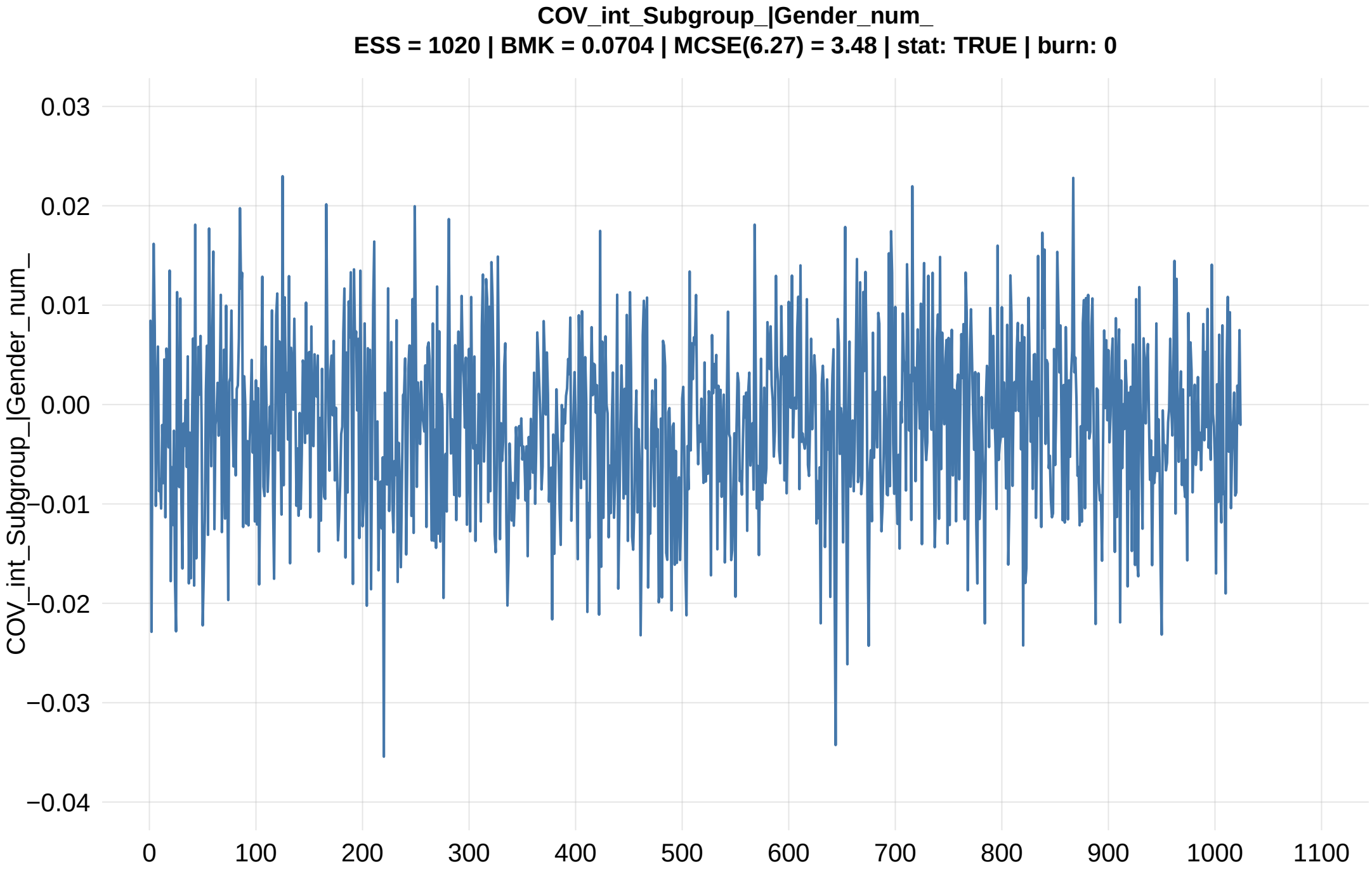

COV_log_LRHHC_n_long|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0524 | MCSE(6.27) = 2.9 | stat: TRUE | burn: 0
COV_log_LRHHC_n_long|TRABSCOR_neuro
10
5
0
−5
−10
−15
−20
0
100
200
300
400
500
600
700
800
900
1000
1100

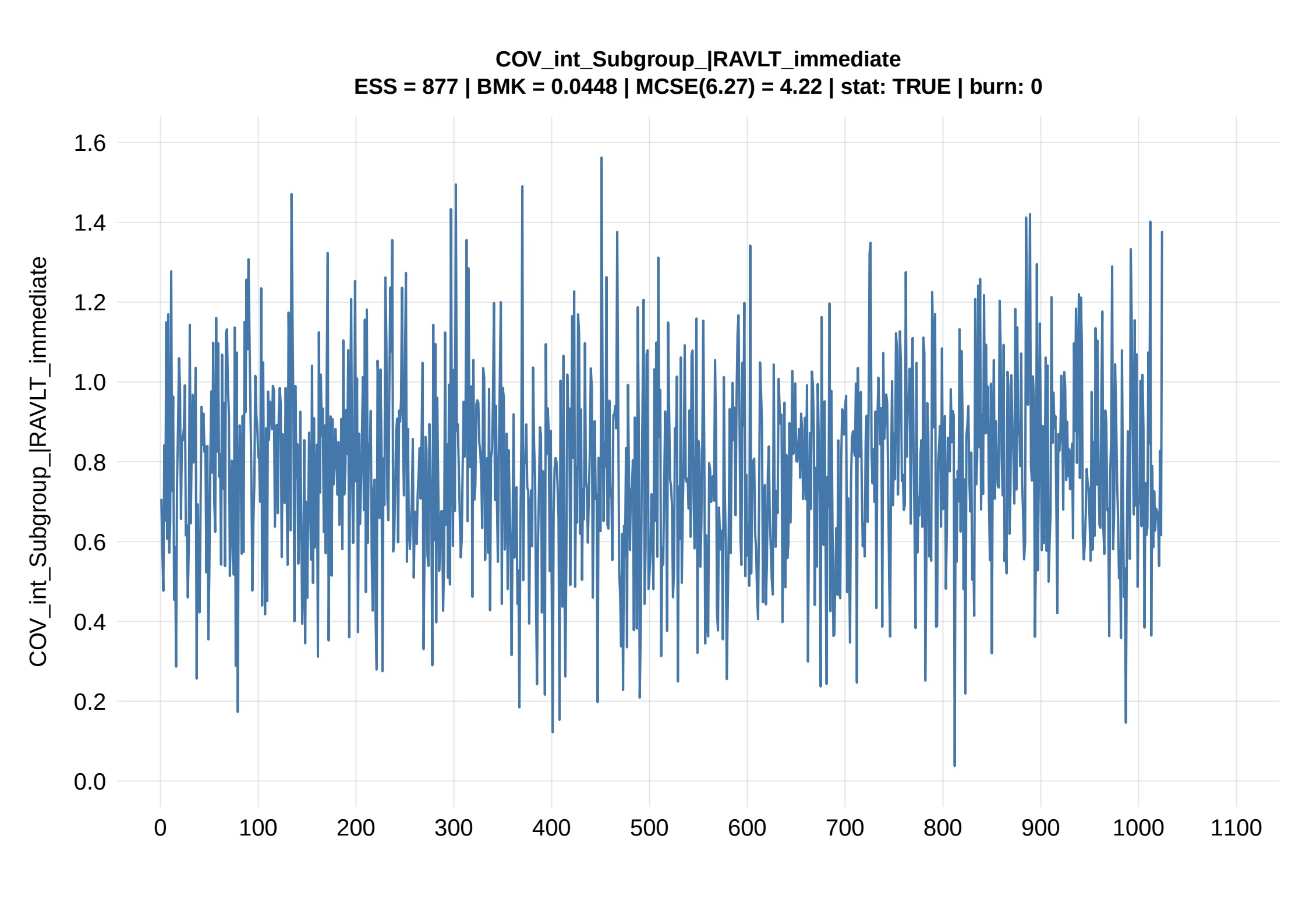

COV_log_LRHHC_n_long|CATANIMSC_neuro
ESS = 853 | BMK = 0.0791 | MCSE(6.27) = 3.5 | stat: TRUE | burn: 0
COV_log_LRHHC_n_long|CATANIMSC_neuro
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
0
100
200
300
400
500
600
700
800
900
1000
1100

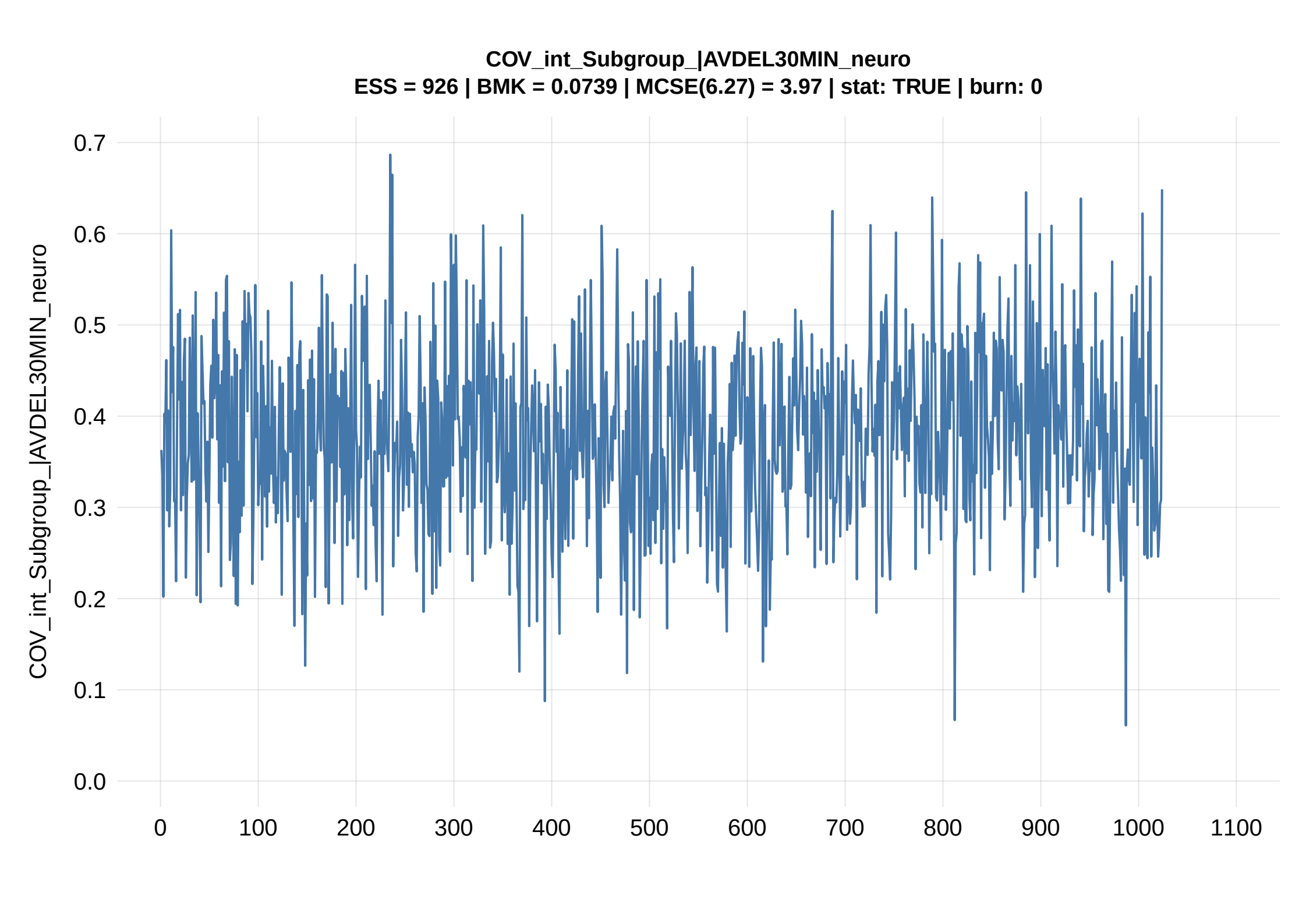

COV_log_LRHHC_n_long|Apoe4_
ESS = 957 | BMK = 0.0802 | MCSE(6.27) = 4.05 | stat: TRUE | burn: 0
COV_log_LRHHC_n_long|Apoe4_
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
−0.07
−0.08
0
100
200
300
400
500
600
700
800
900
1000
1100

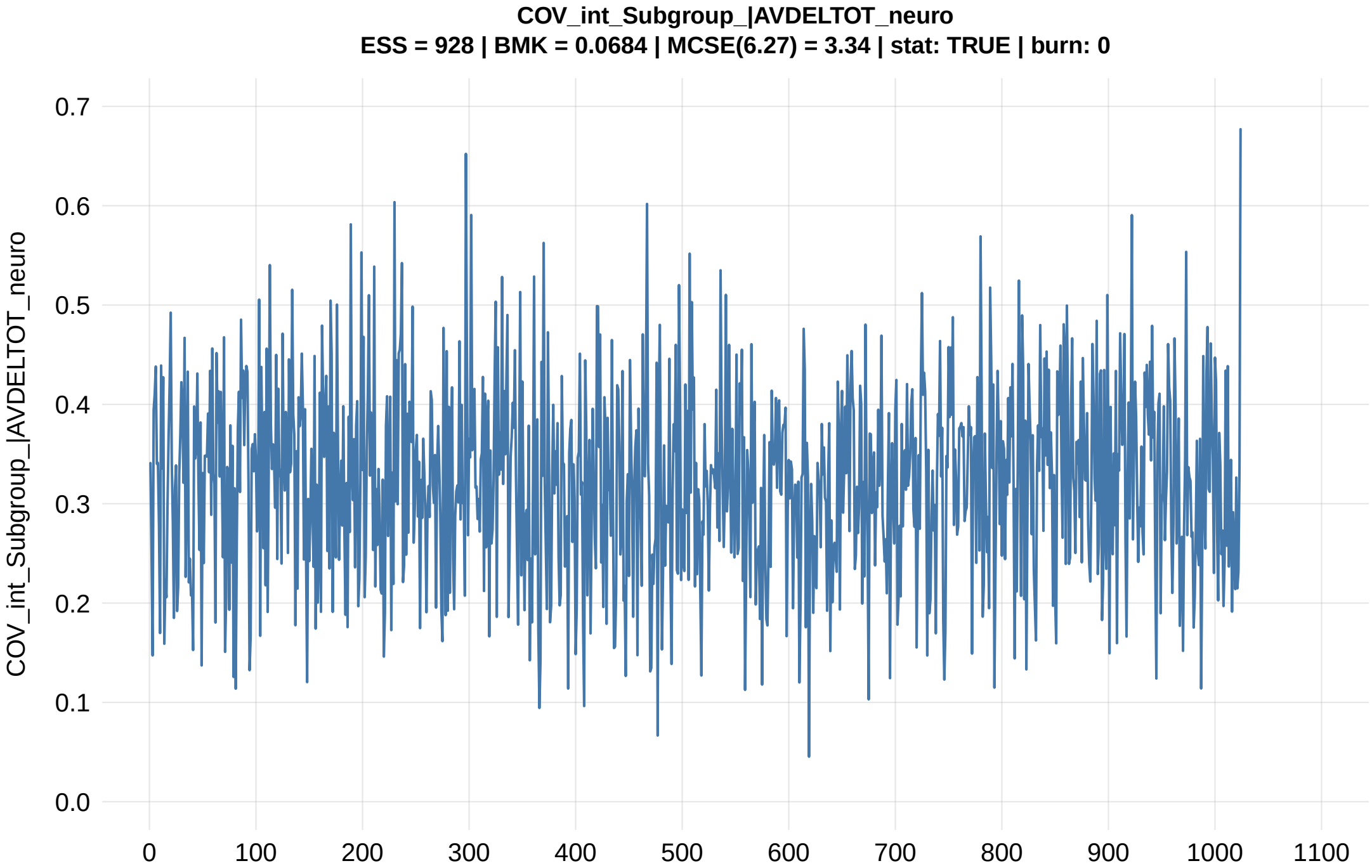

COV_log_LRHHC_n_long|GDTOTAL_gds
ESS = 466 | BMK = 0.0478 | MCSE(6.27) = 4.86 | stat: TRUE | burn: 0
COV_log_LRHHC_n_long|GDTOTAL_gds
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.20
0
100
200
300
400
500
600
700
800
900
1000
1100

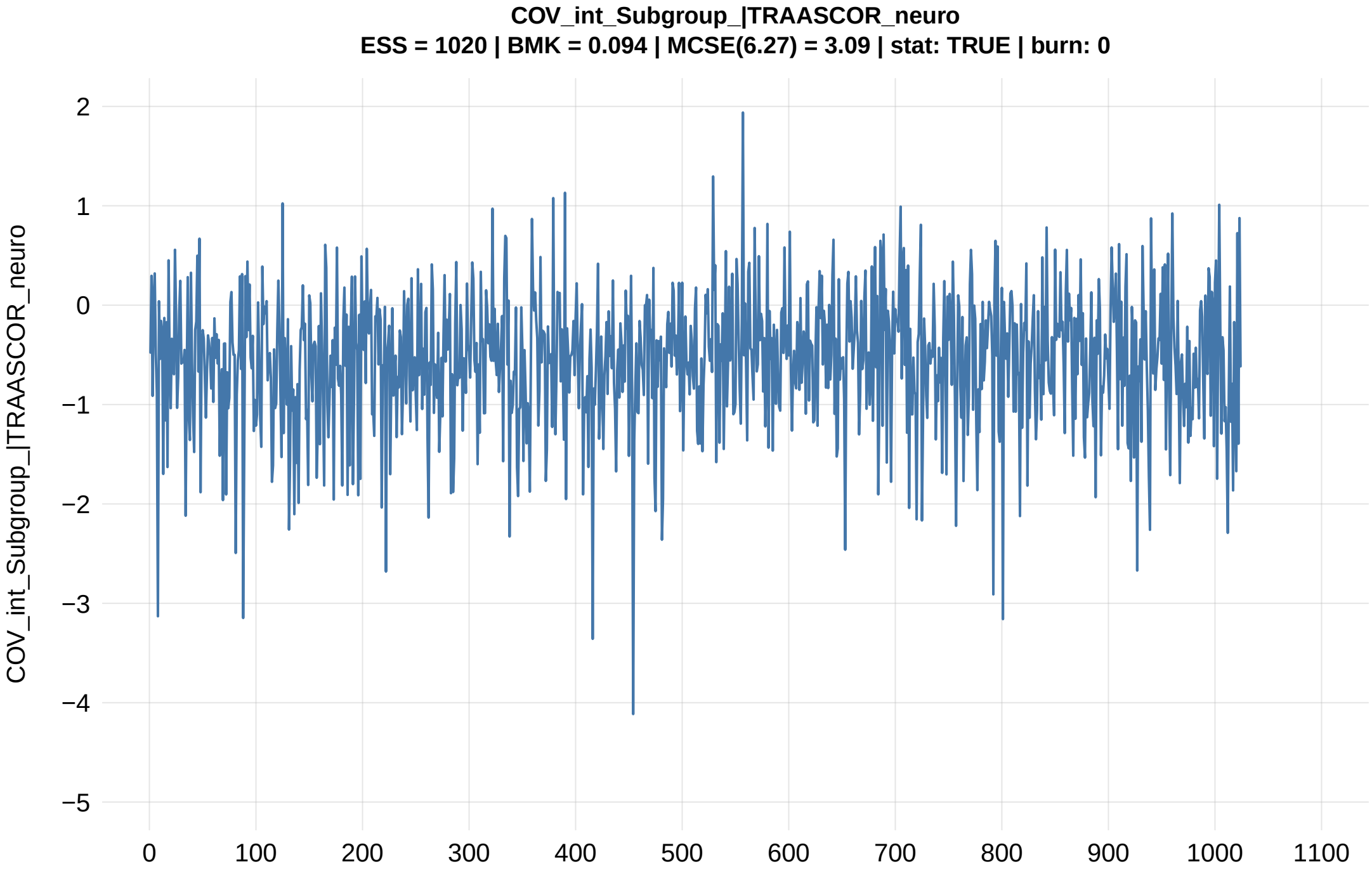

COV_log_LRHHC_n_long|ANARTERR_neuro
ESS = 1020 | BMK = 0.0925 | MCSE(6.27) = 3.19 | stat: TRUE | burn: 0
COV_log_LRHHC_n_long|ANARTERR_neuro
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
0
100
200
300
400
500
600
700
800
900
1000
1100

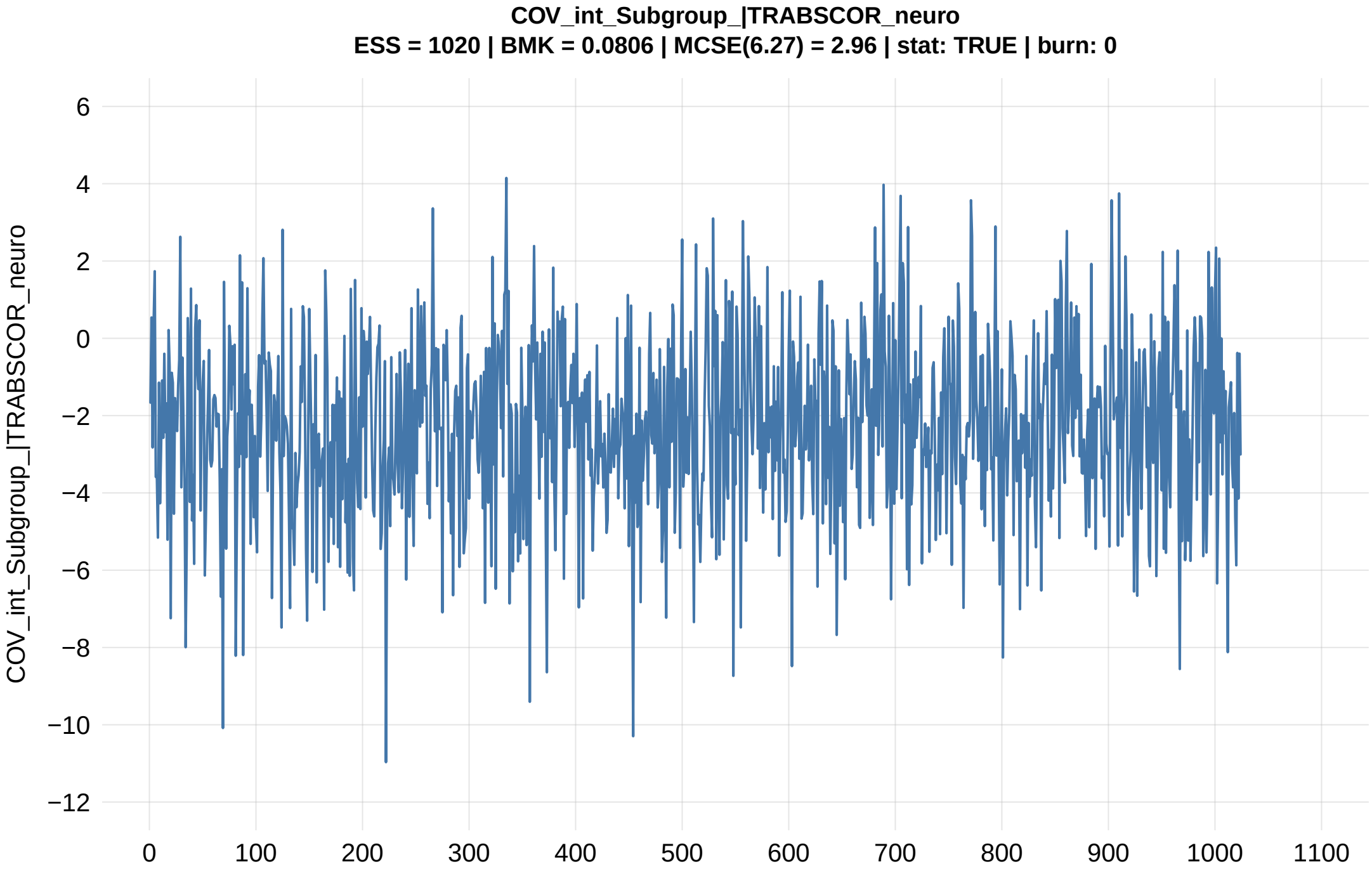

COV_int_Subgroup_|Gender_num_
ESS = 1020 | BMK = 0.0704 | MCSE(6.27) = 3.48 | stat: TRUE | burn: 0
COV_int_Subgroup_|Gender_num_
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
−0.04
0
100
200
300
400
500
600
700
800
900
1000
1100

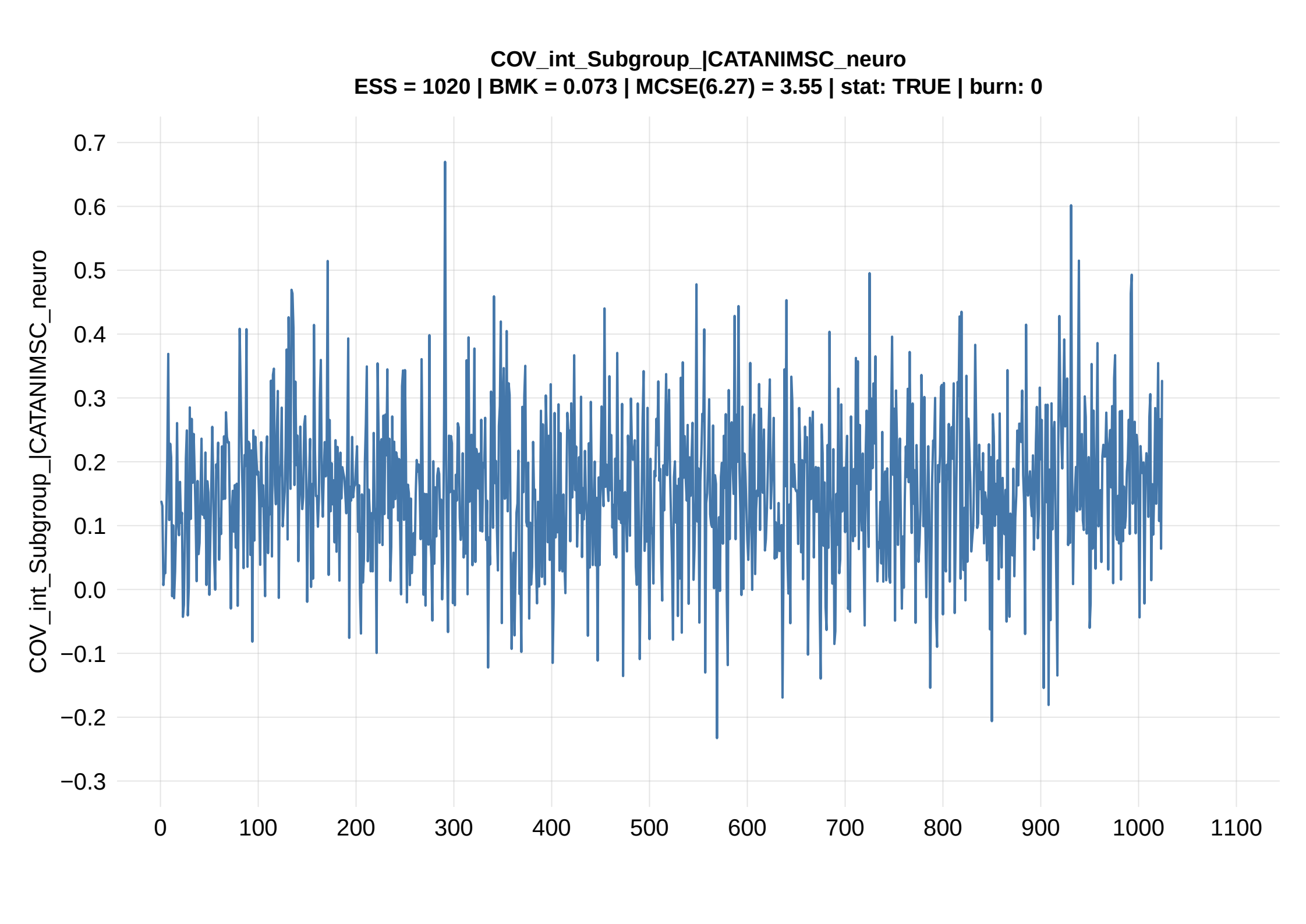

COV_int_Subgroup_|RAVLT_immediate
ESS = 877 | BMK = 0.0448 | MCSE(6.27) = 4.22 | stat: TRUE | burn: 0
COV_int_Subgroup_|RAVLT_immediate
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
100
200
300
400
500
600
700
800
900
1000
1100

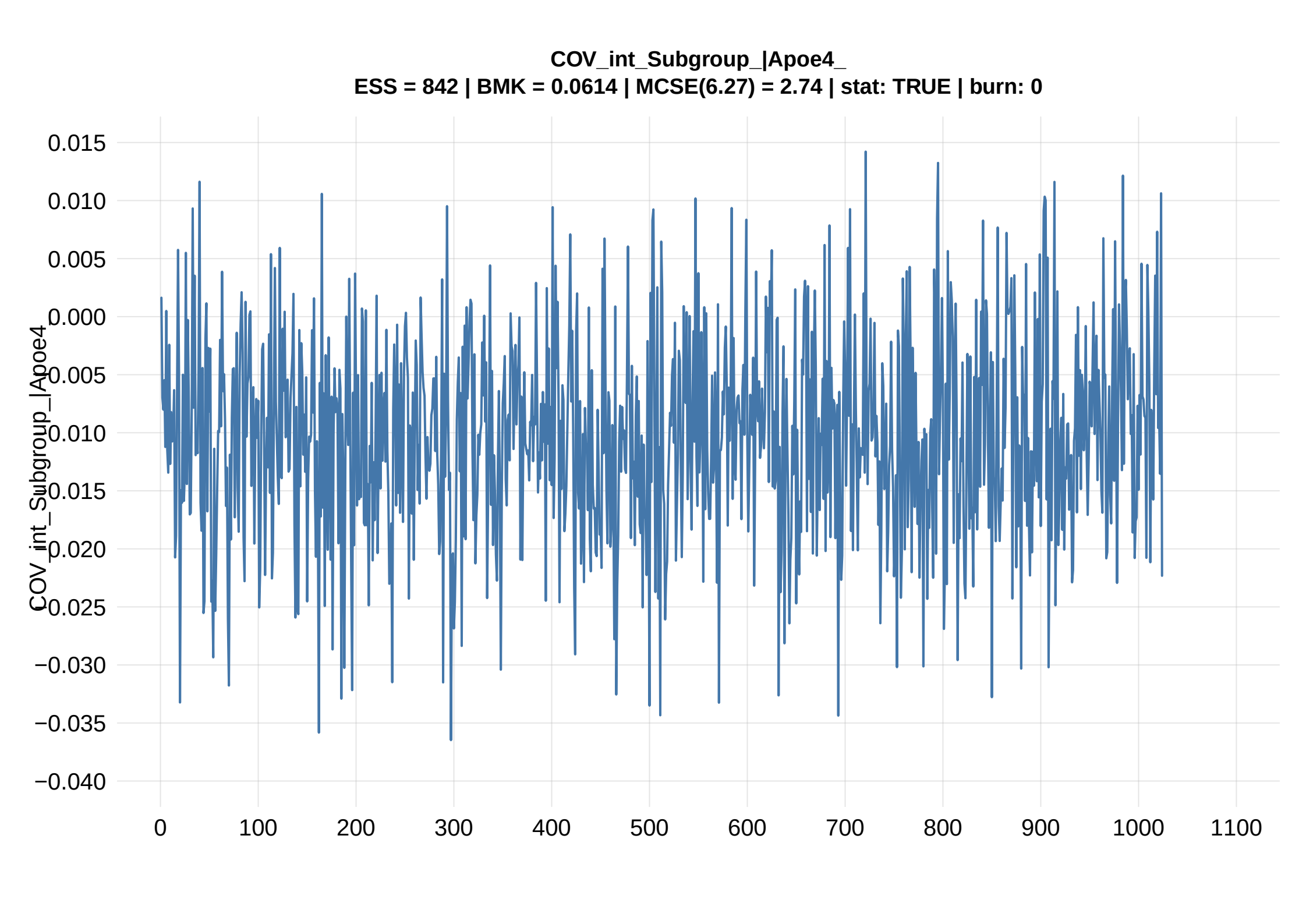

COV_int_Subgroup_|AVDEL30MIN_neuro
ESS = 926 | BMK = 0.0739 | MCSE(6.27) = 3.97 | stat: TRUE | burn: 0
COV_int_Subgroup_|AVDEL30MIN_neuro
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
600
700
800
900
1000
1100

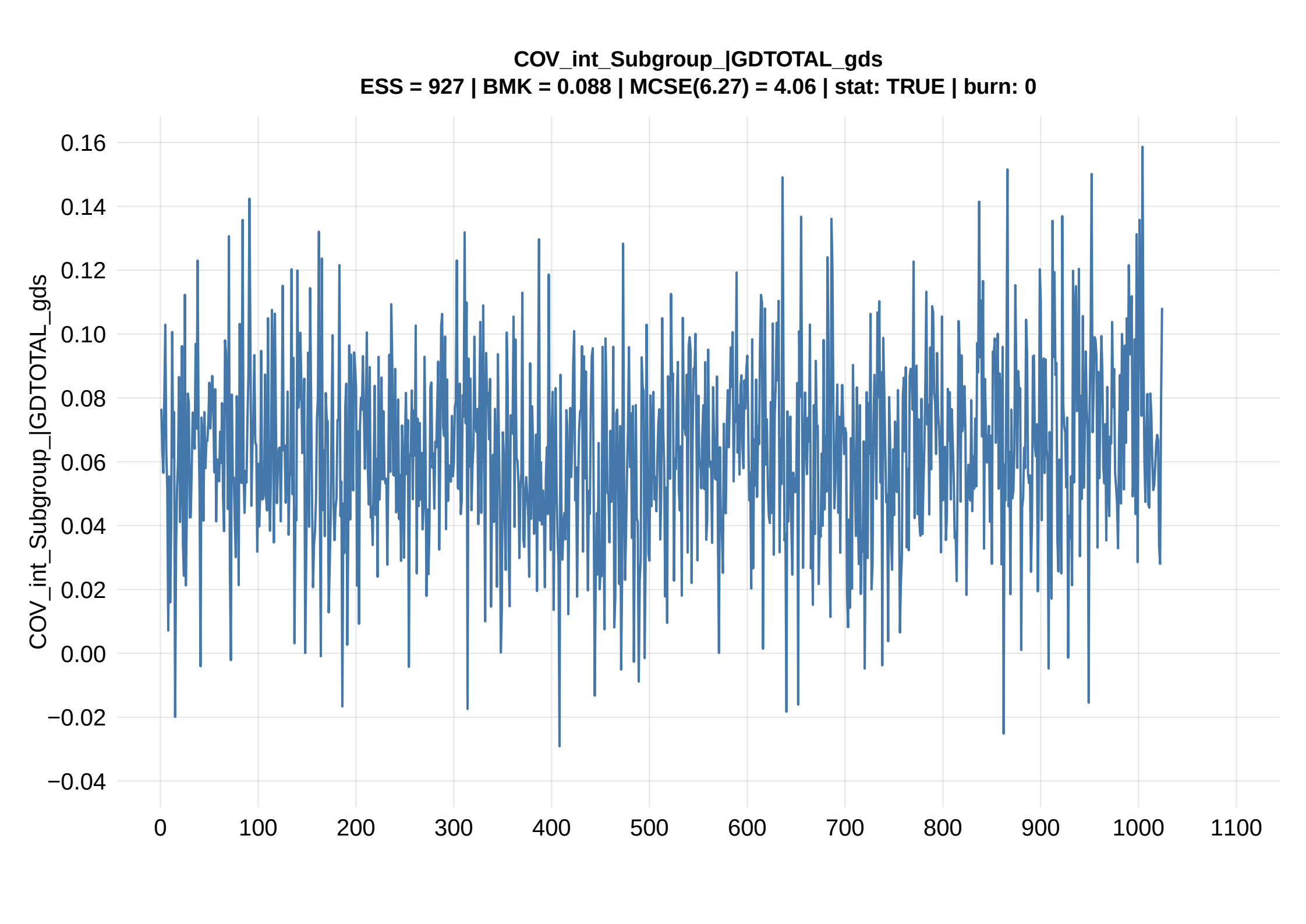

COV_int_Subgroup_|AVDELTOT_neuro
ESS = 928 | BMK = 0.0684 | MCSE(6.27) = 3.34 | stat: TRUE | burn: 0
COV_int_Subgroup_|AVDELTOT_neuro
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0
100
200
300
400
500
600
700
800
900
1000
1100

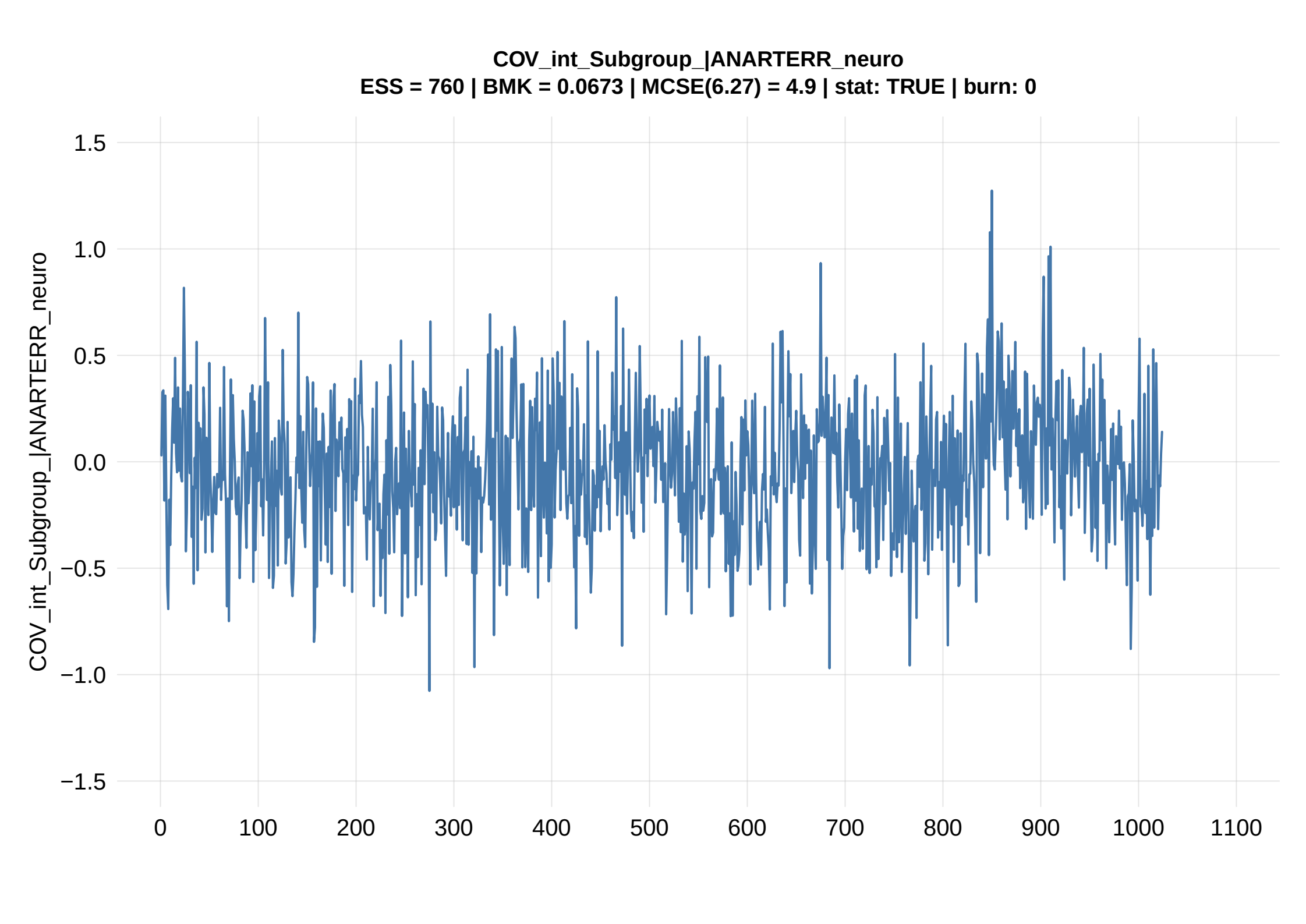

COV_int_Subgroup_|TRAASCOR_neuro
ESS = 1020 | BMK = 0.094 | MCSE(6.27) = 3.09 | stat: TRUE | burn: 0
COV_int_Subgroup_|TRAASCOR_neuro
2
1
0
−1
−2
−3
−4
−5
0
100
200
300
400
500
600
700
800
900
1000
1100

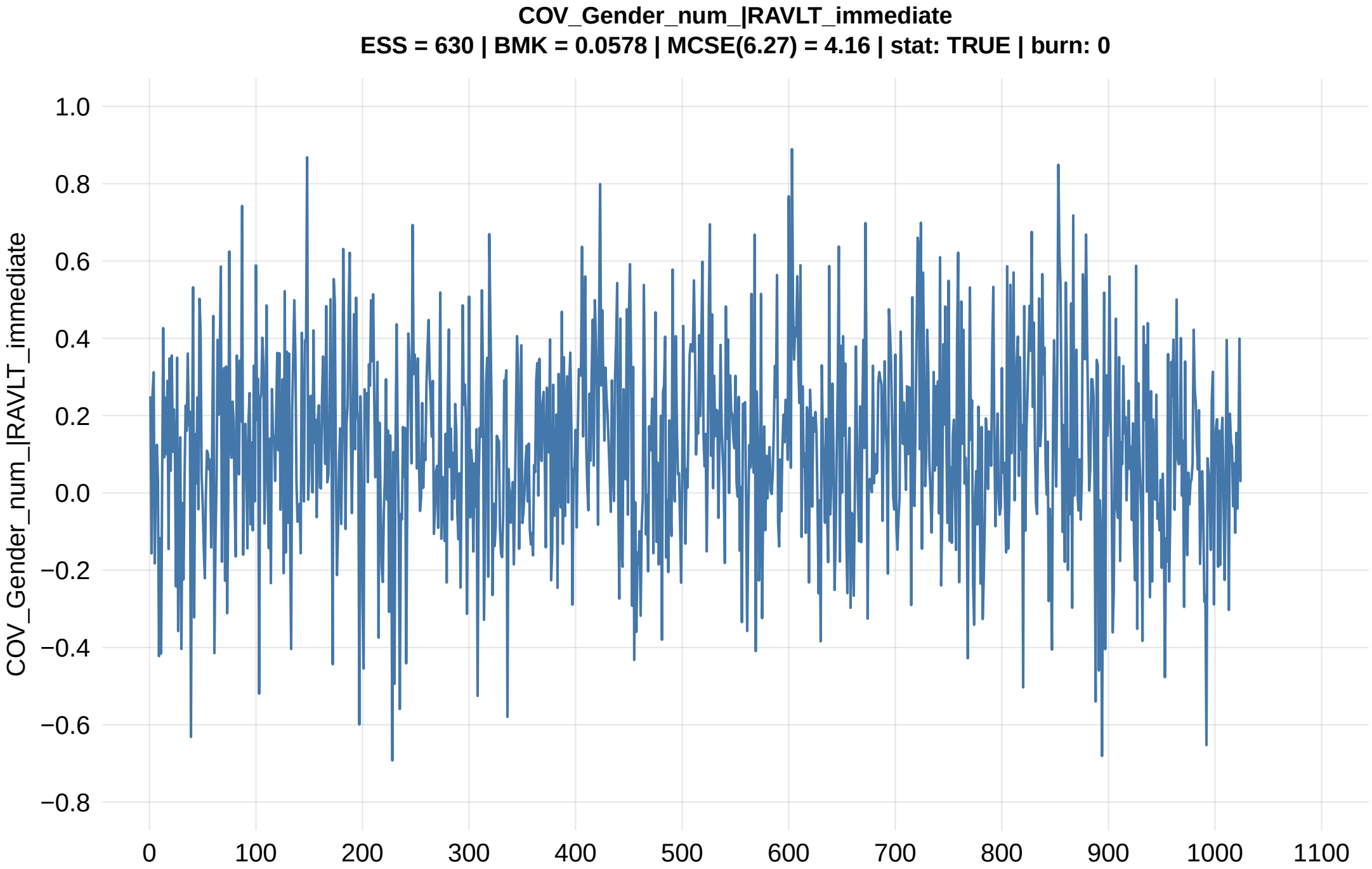

COV_int_Subgroup_|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0806 | MCSE(6.27) = 2.96 | stat: TRUE | burn: 0
COV_int_Subgroup_|TRABSCOR_neuro
6
4
2
0
−2
−4
−6
−8
−10
−12
0
100
200
300
400
500
600
700
800
900
1000
1100

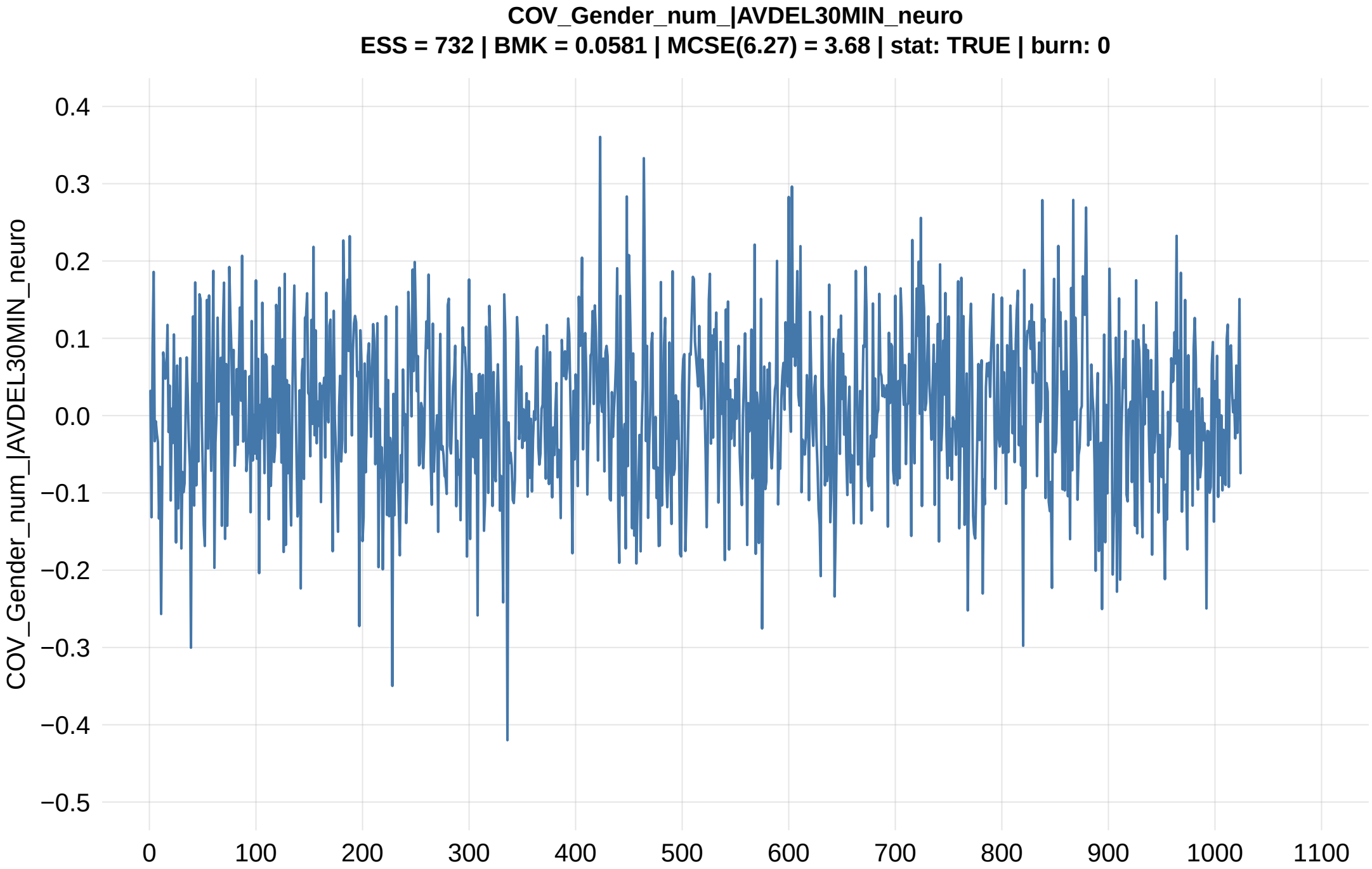

COV_int_Subgroup_|CATANIMSC_neuro
ESS = 1020 | BMK = 0.073 | MCSE(6.27) = 3.55 | stat: TRUE | burn: 0
COV_int_Subgroup_|CATANIMSC_neuro
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400
500
600
700
800
900
1000
1100

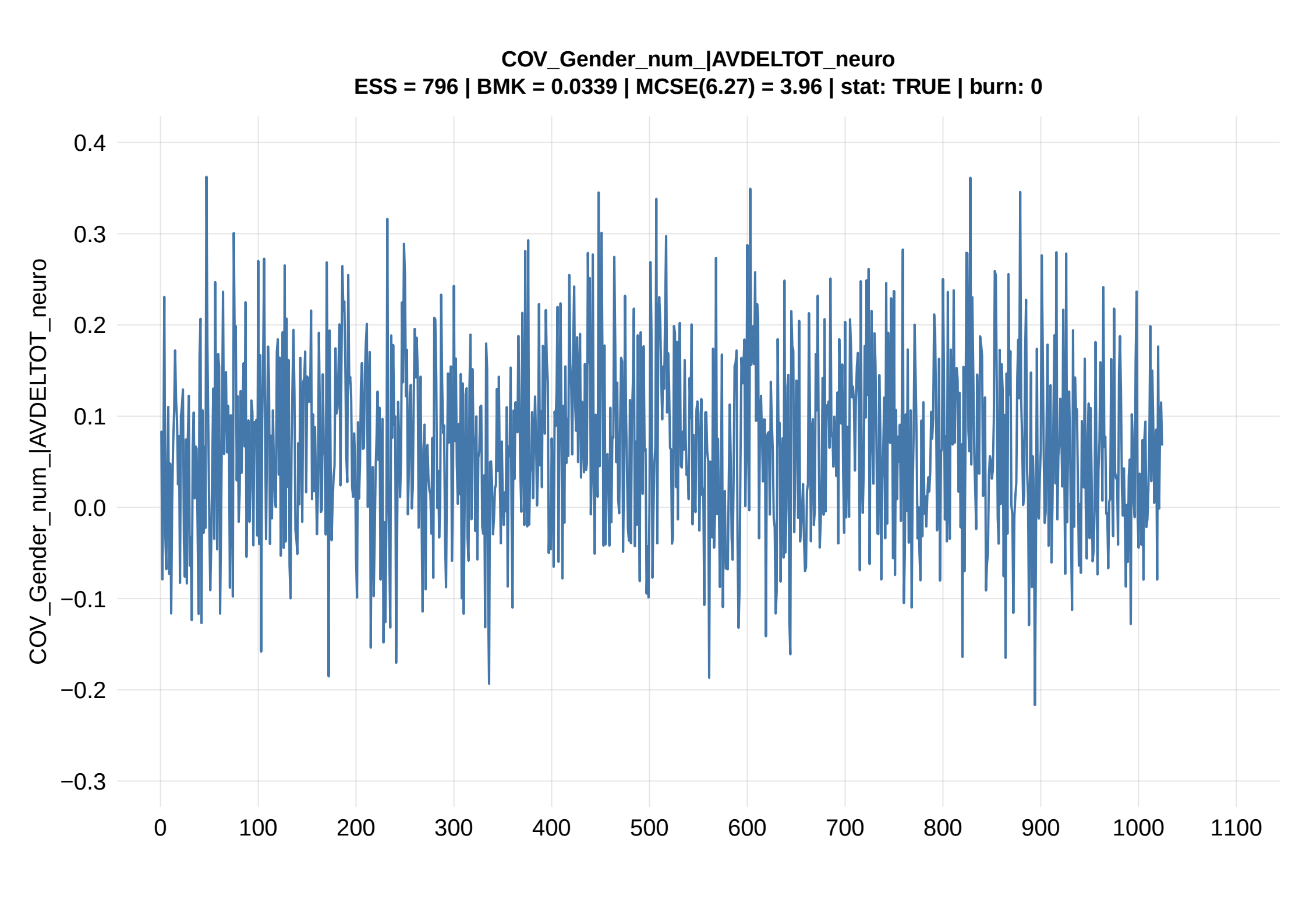

COV_int_Subgroup_|Apoe4_
ESS = 842 | BMK = 0.0614 | MCSE(6.27) = 2.74 | stat: TRUE | burn: 0
COV_int_Subgroup_|Apoe4
0.015
0.010
0.005
0.000
−0.005
−0.010
−0.015
−0.020
−0.025
−0.030
−0.035
−0.040
0
100
200
300
400
500
600
700
800
900
1000
1100

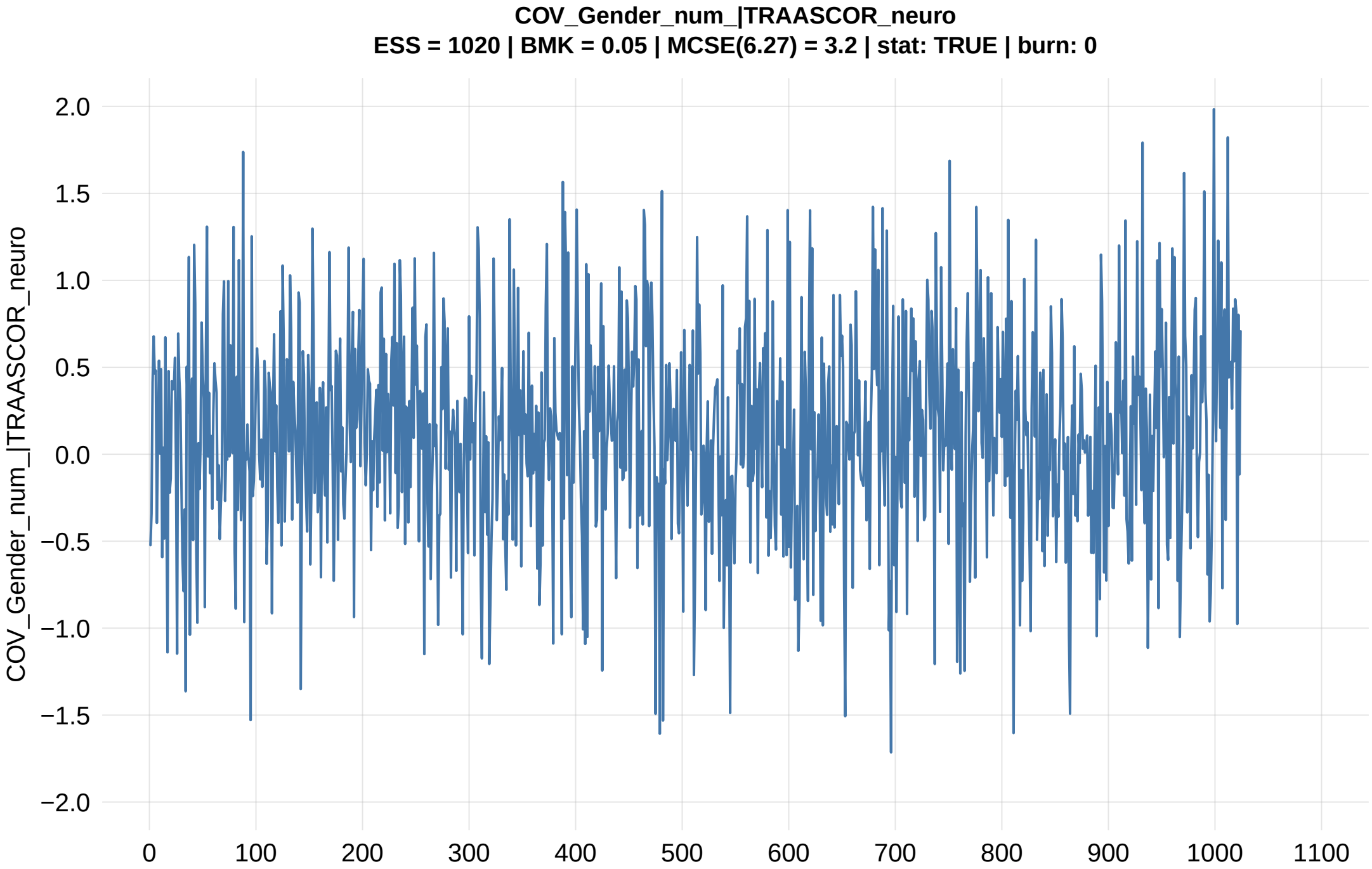

COV_int_Subgroup_|GDTOTAL_gds
ESS = 927 | BMK = 0.088 | MCSE(6.27) = 4.06 | stat: TRUE | burn: 0
COV_int_Subgroup_|GDTOTAL_gds
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
0
100
200
300
400
500
600
700
800
900
1000
1100

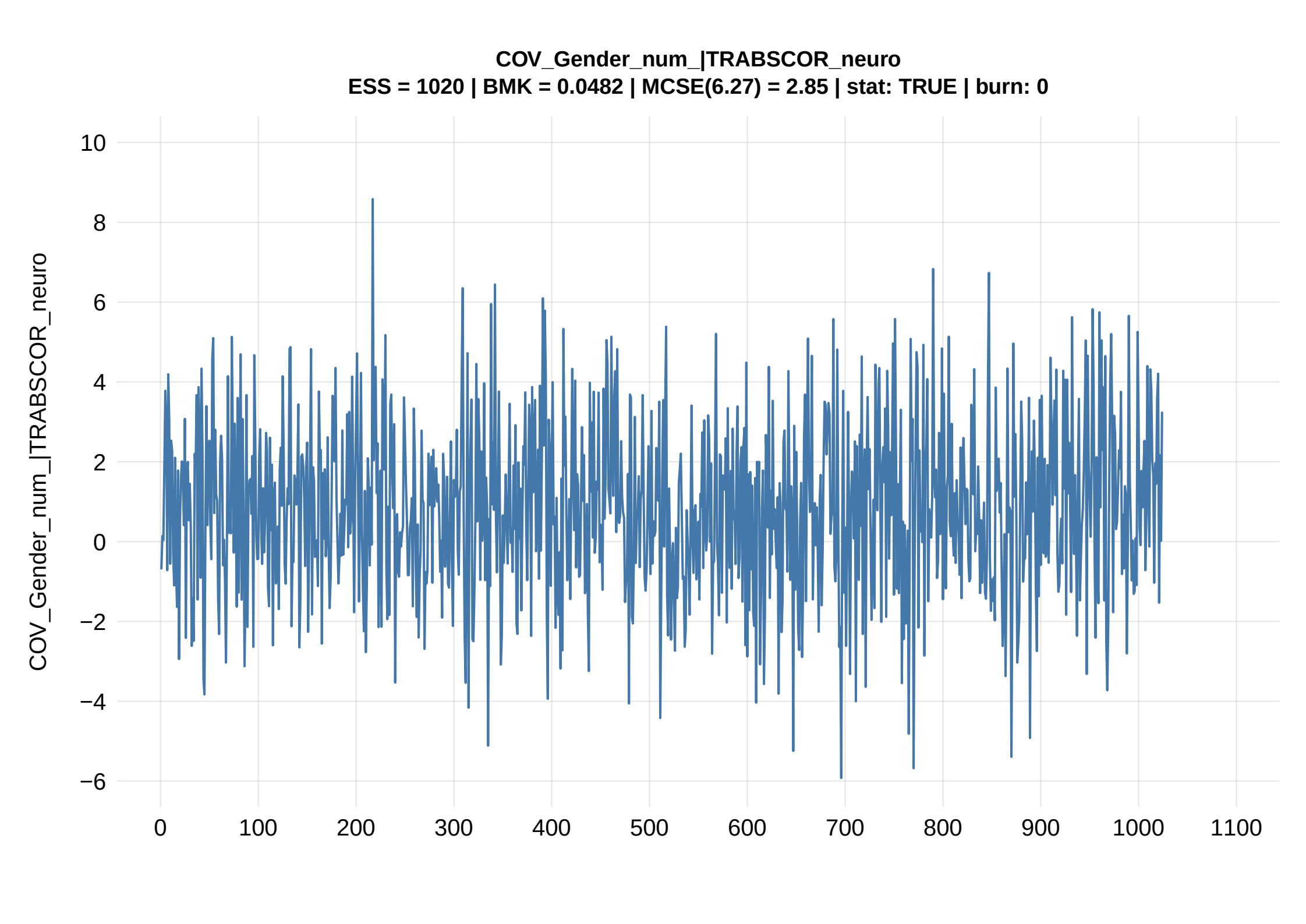

COV_int_Subgroup_|ANARTERR_neuro
ESS = 760 | BMK = 0.0673 | MCSE(6.27) = 4.9 | stat: TRUE | burn: 0
COV_int_Subgroup_|ANARTERR_neuro
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
0
100
200
300
400
500
600
700
800
900
1000
1100

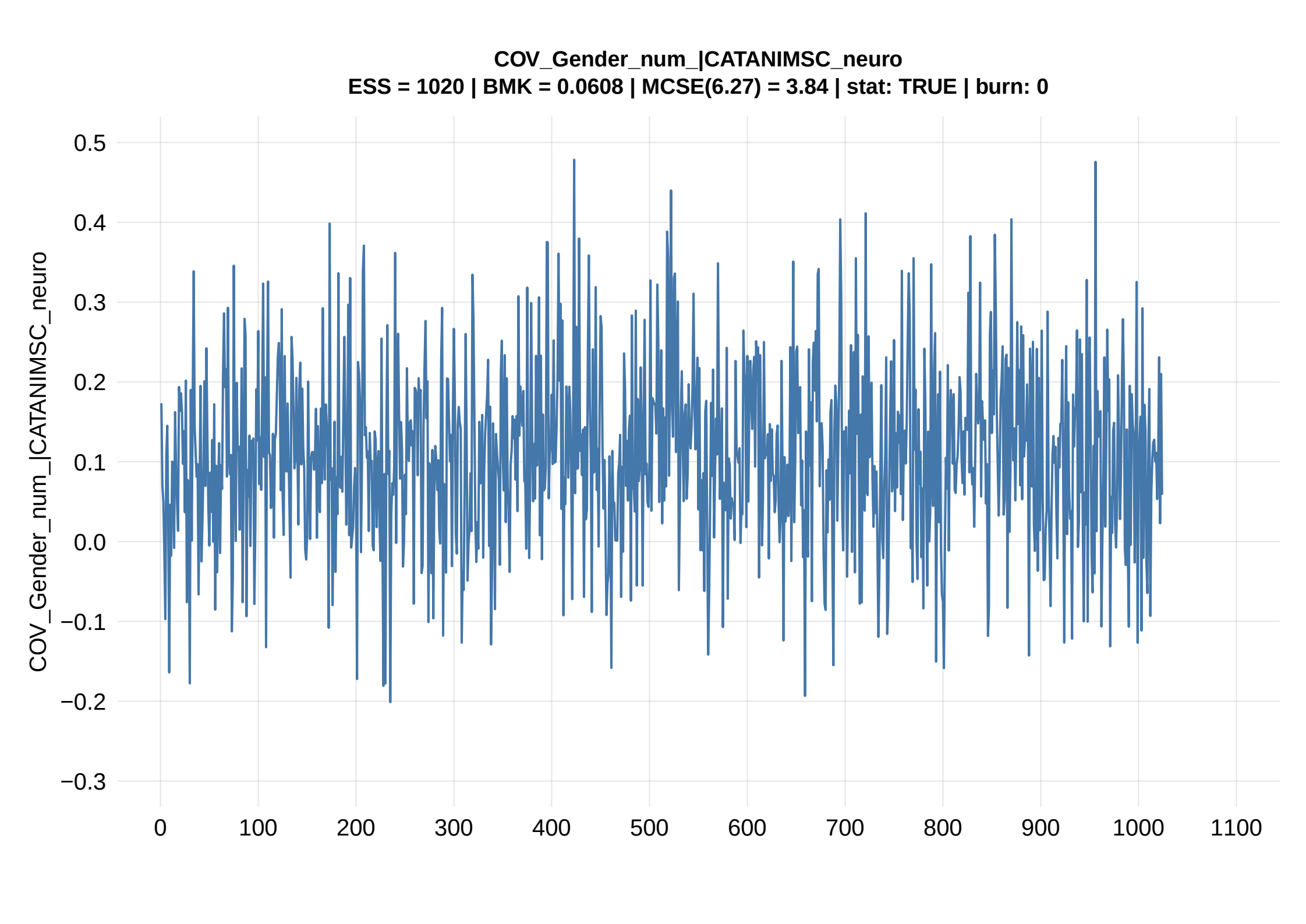

COV_Gender_num_|RAVLT_immediate
ESS = 630 | BMK = 0.0578 | MCSE(6.27) = 4.16 | stat: TRUE | burn: 0
COV_Gender_num_|RAVLT_immediate
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
0
100
200
300
400
500
600
700
800
900
1000
1100

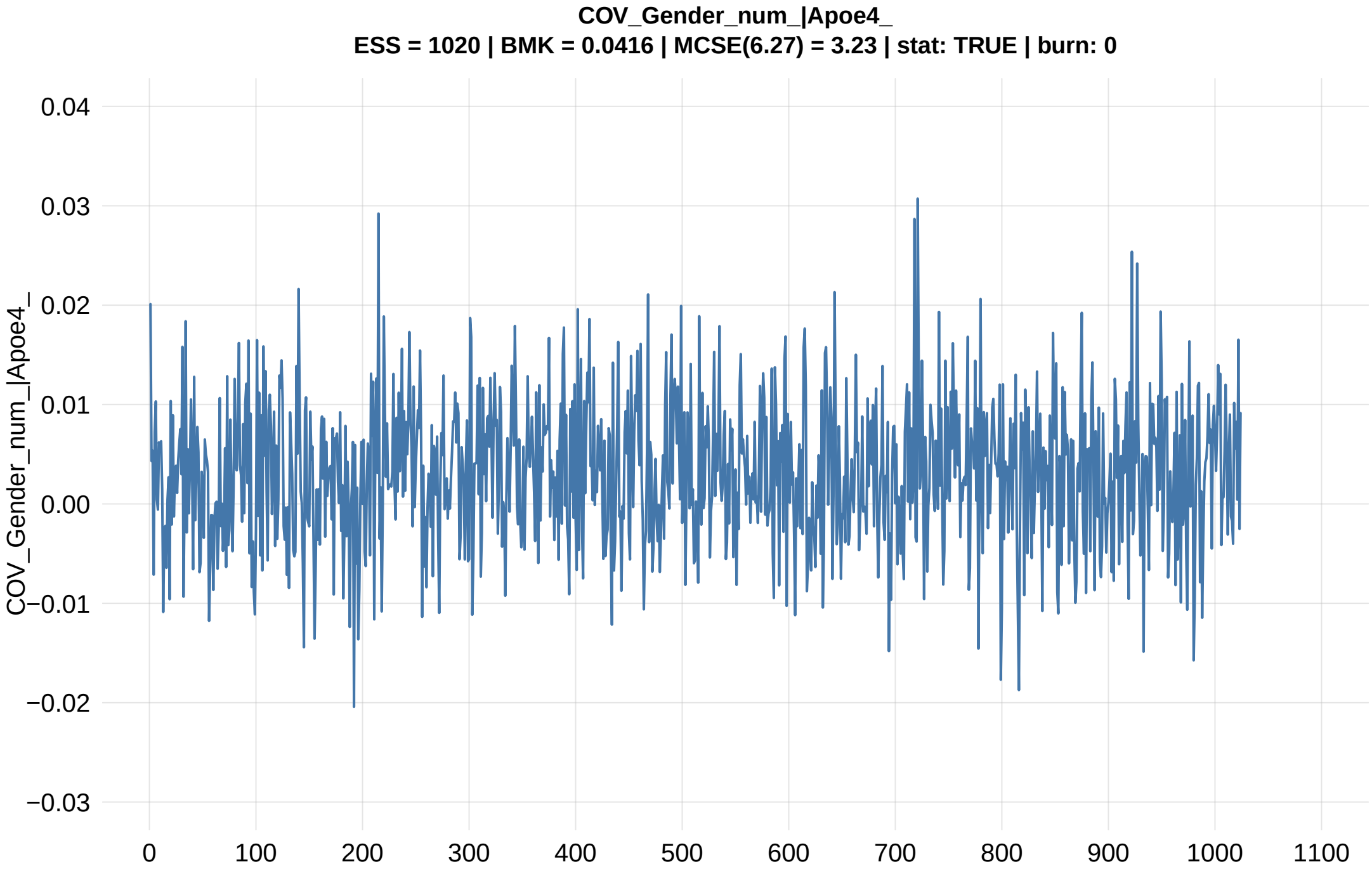

COV_Gender_num_|AVDEL30MIN_neuro
ESS = 732 | BMK = 0.0581 | MCSE(6.27) = 3.68 | stat: TRUE | burn: 0
COV_Gender_num_|AVDEL30MIN_neuro
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
0
100
200
300
400
500
600
700
800
900
1000
1100

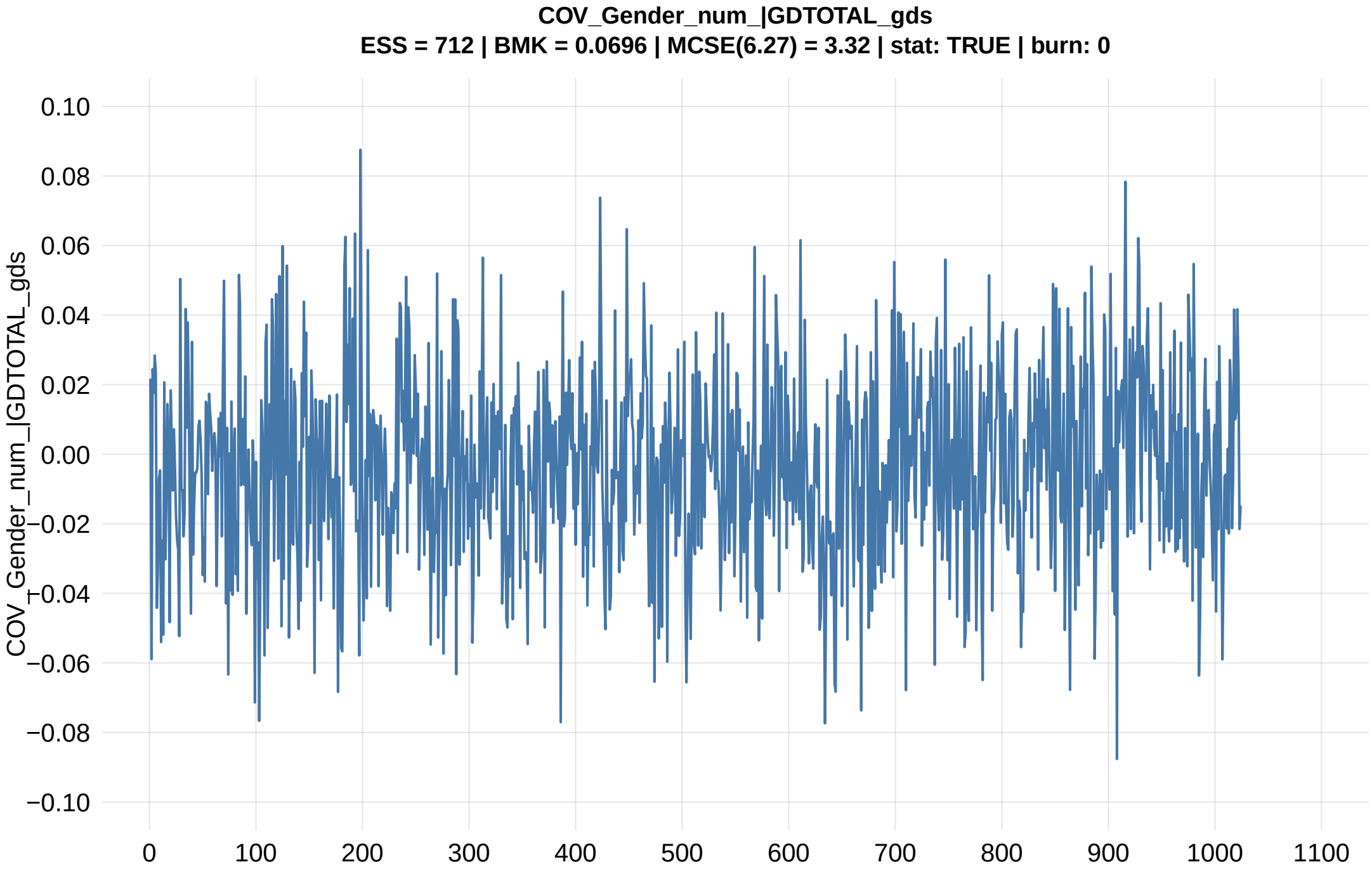

COV_Gender_num_|AVDELTOT_neuro
ESS = 796 | BMK = 0.0339 | MCSE(6.27) = 3.96 | stat: TRUE | burn: 0
COV_Gender_num_|AVDELTOT_neuro
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400
500
600
700
800
900
1000
1100

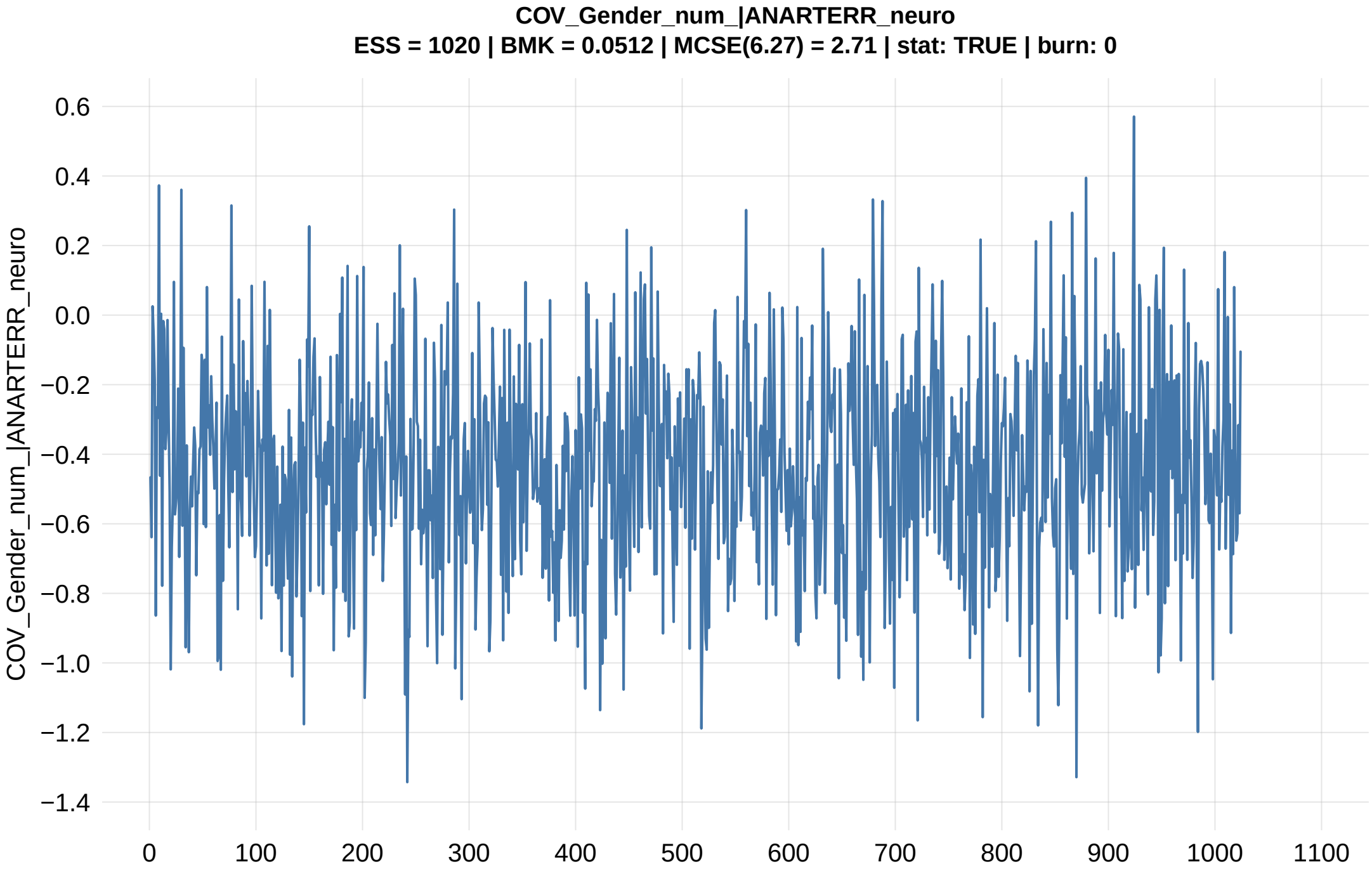

COV_Gender_num_|TRAASCOR_neuro
ESS = 1020 | BMK = 0.05 | MCSE(6.27) = 3.2 | stat: TRUE | burn: 0
COV_Gender_num_|TRAASCOR_neuro
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
0
100
200
300
400
500
600
700
800
900
1000
1100

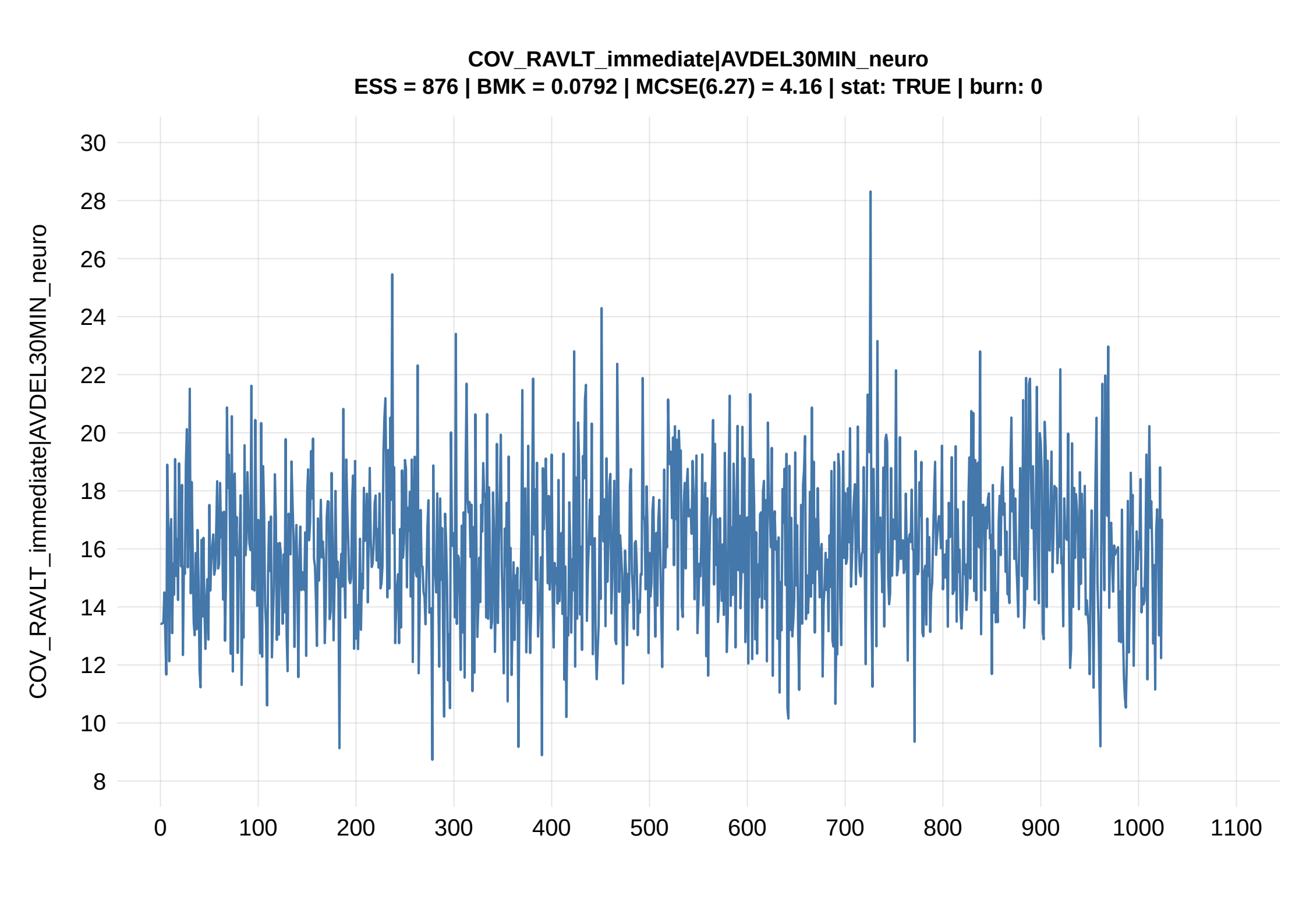

COV_Gender_num_|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0482 | MCSE(6.27) = 2.85 | stat: TRUE | burn: 0
COV_Gender_num_|TRABSCOR_neuro
10
8
6
4
2
0
−2
−4
−6
0
100
200
300
400
500
600
700
800
900
1000
1100

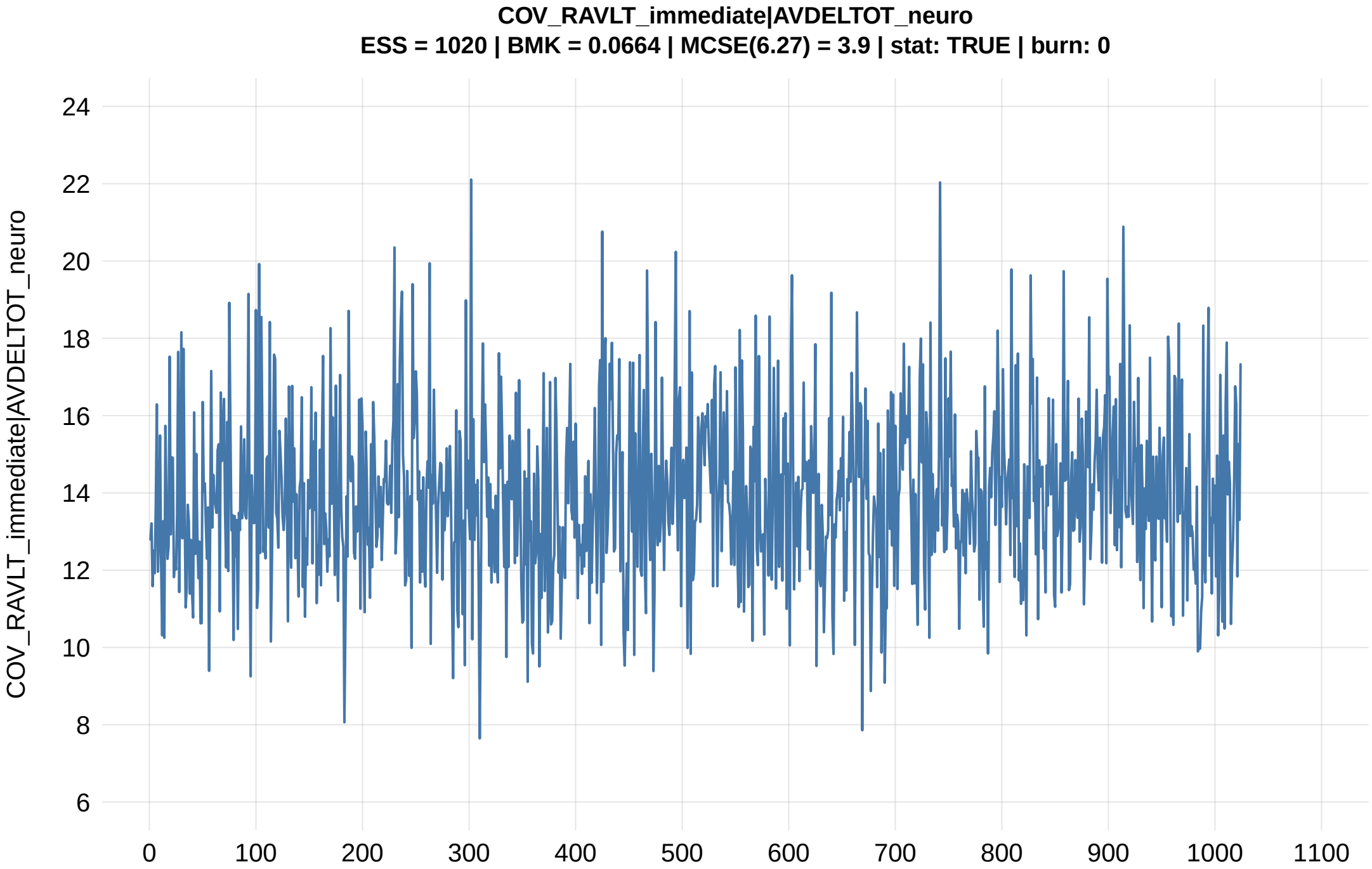

COV_Gender_num_|CATANIMSC_neuro
ESS = 1020 | BMK = 0.0608 | MCSE(6.27) = 3.84 | stat: TRUE | burn: 0
COV_Gender_num_|CATANIMSC_neuro
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400
500
600
700
800
900
1000
1100

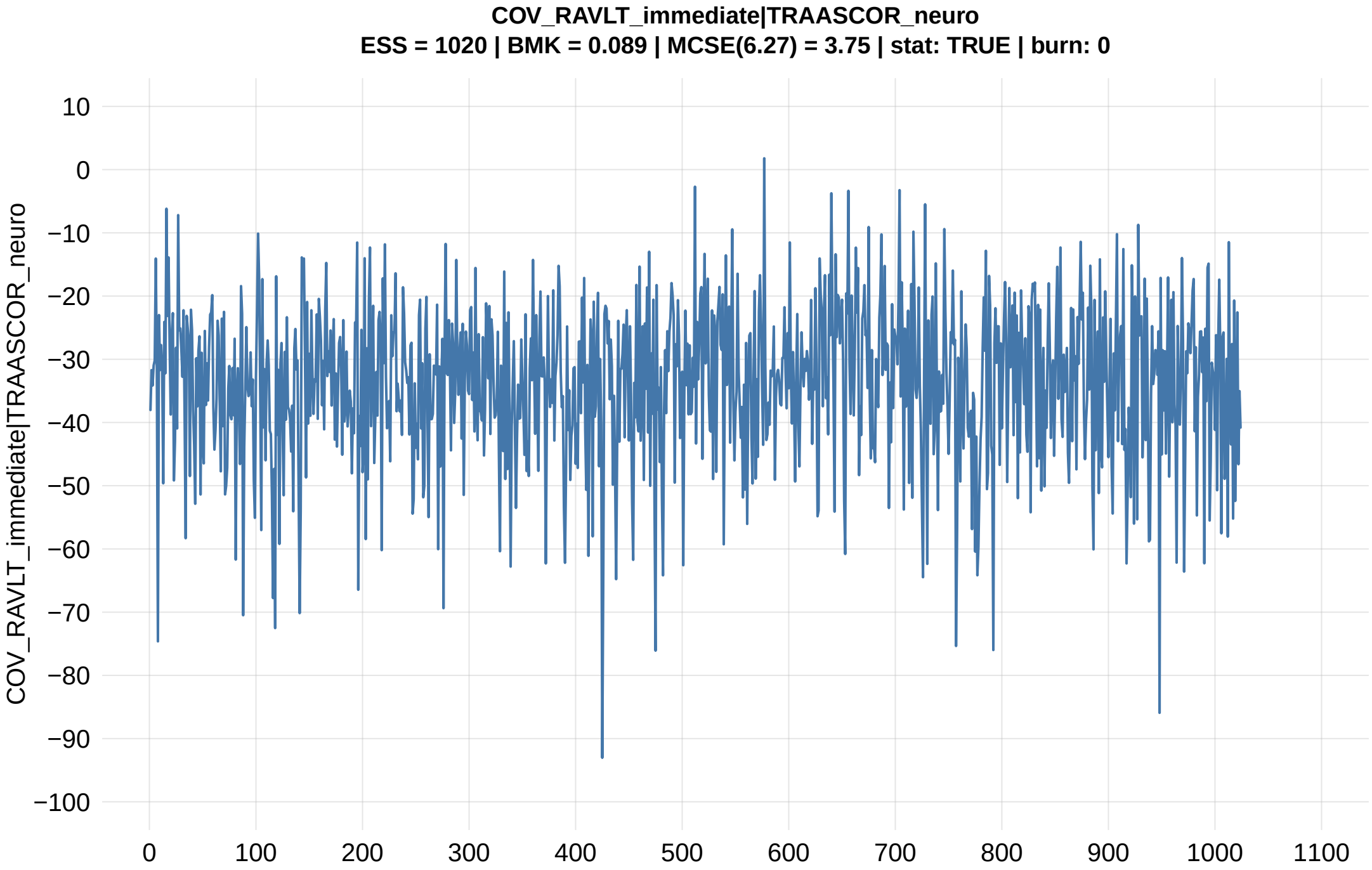

COV_Gender_num_|Apoe4_
ESS = 1020 | BMK = 0.0416 | MCSE(6.27) = 3.23 | stat: TRUE | burn: 0
COV_Gender_num_|Apoe4_
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
0
100
200
300
400
500
600
700
800
900
1000
1100

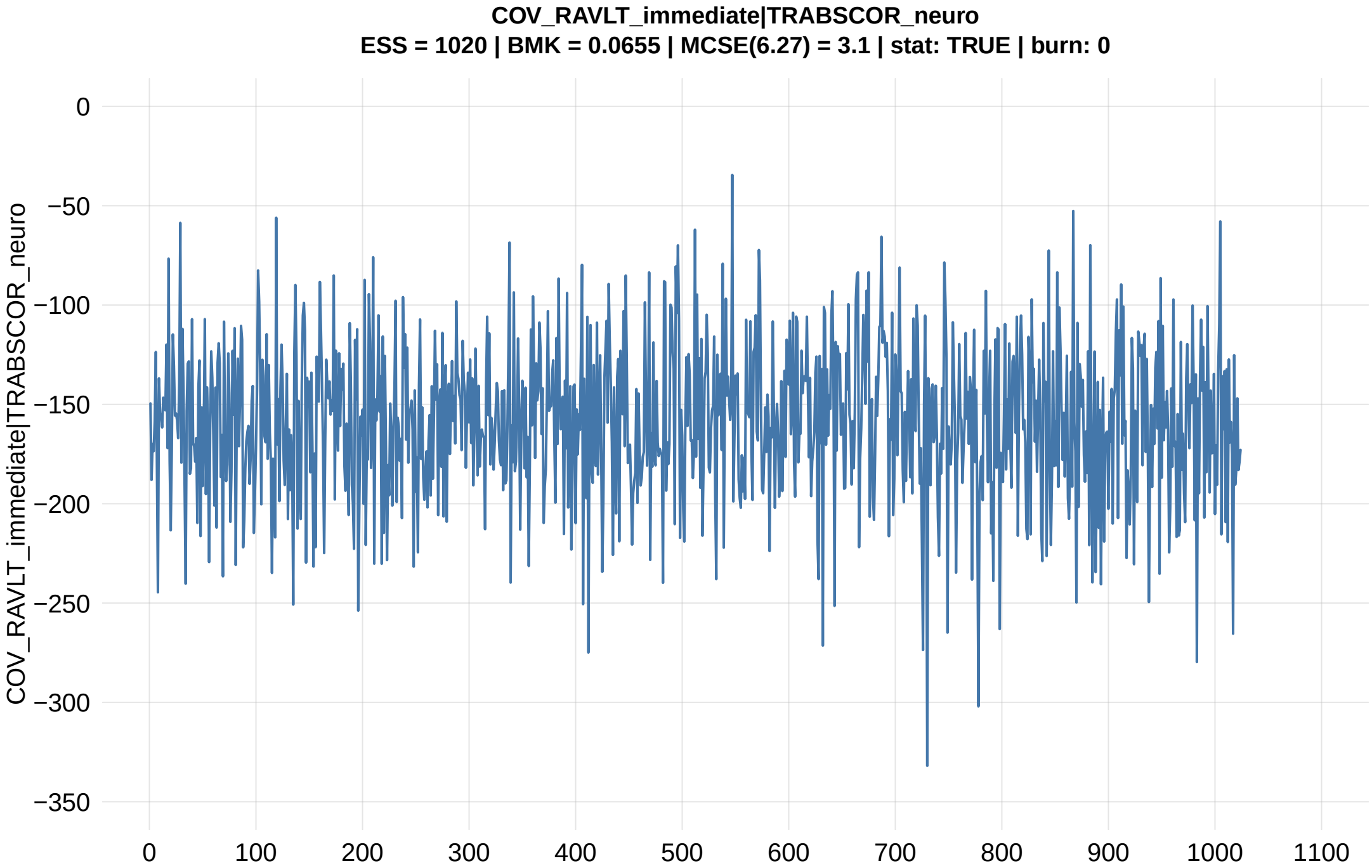

COV_Gender_num_|GDTOTAL_gds
ESS = 712 | BMK = 0.0696 | MCSE(6.27) = 3.32 | stat: TRUE | burn: 0
COV_Gender_num_|GDTOTAL_gds
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08
−0.10
0
100
200
300
400
500
600
700
800
900
1000
1100

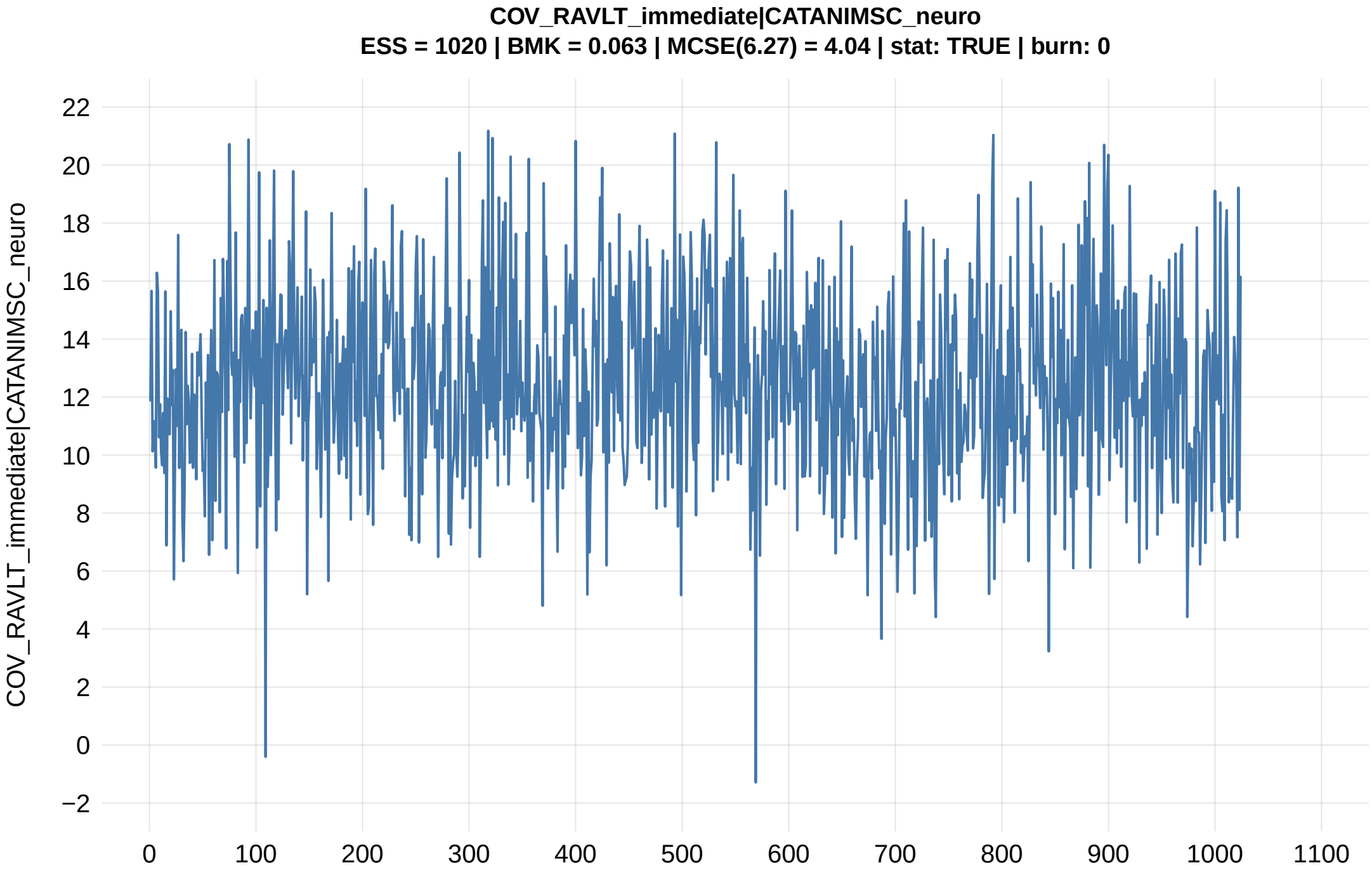

COV_Gender_num_|ANARTERR_neuro
ESS = 1020 | BMK = 0.0512 | MCSE(6.27) = 2.71 | stat: TRUE | burn: 0
COV_Gender_num_|ANARTERR_neuro
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
−1.4
0
100
200
300
400
500
600
700
800
900
1000
1100

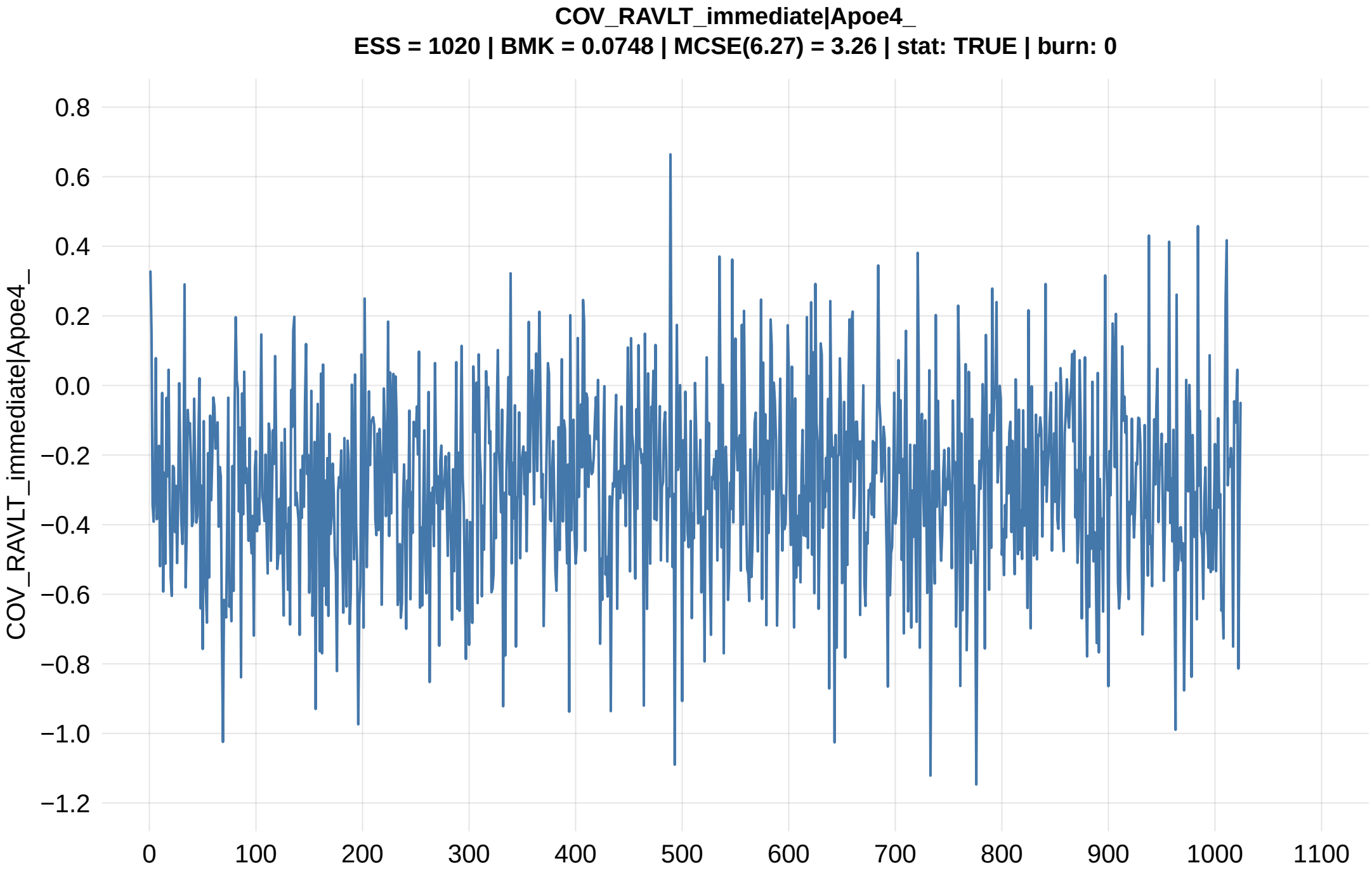

COV_RAVLT_immediate|AVDEL30MIN_neuro
ESS = 876 | BMK = 0.0792 | MCSE(6.27) = 4.16 | stat: TRUE | burn: 0
COV_RAVLT_immediate|AVDEL30MIN_neuro
30
28
26
24
22
20
18
16
14
12
10
8
0
100
200
300
400
500
600
700
800
900
1000
1100

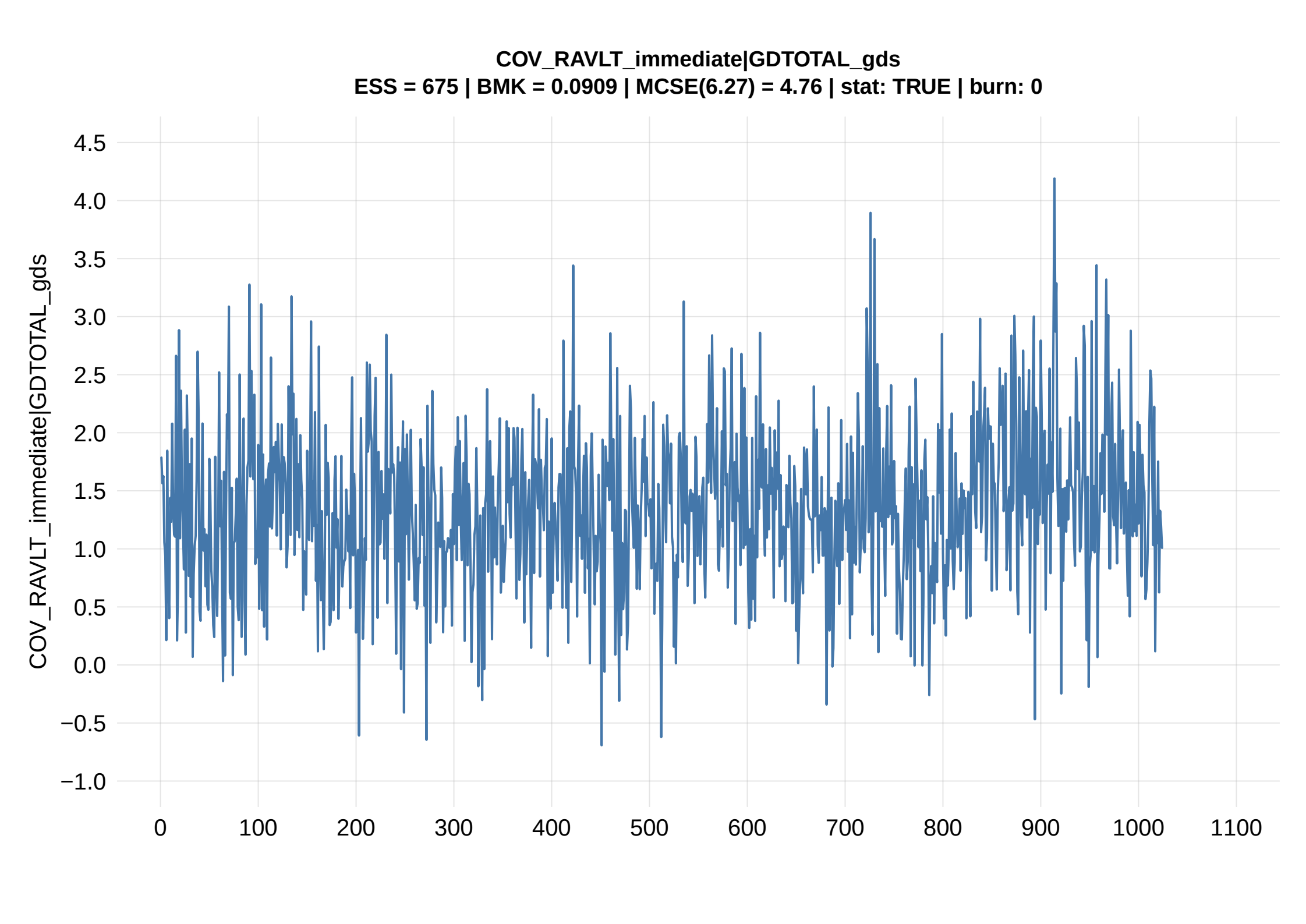

COV_RAVLT_immediate|AVDELTOT_neuro
ESS = 1020 | BMK = 0.0664 | MCSE(6.27) = 3.9 | stat: TRUE | burn: 0
COV_RAVLT_immediate|AVDELTOT_neuro
24
22
20
18
16
14
12
10
8
6
0
100
200
300
400
500
600
700
800
900
1000
1100

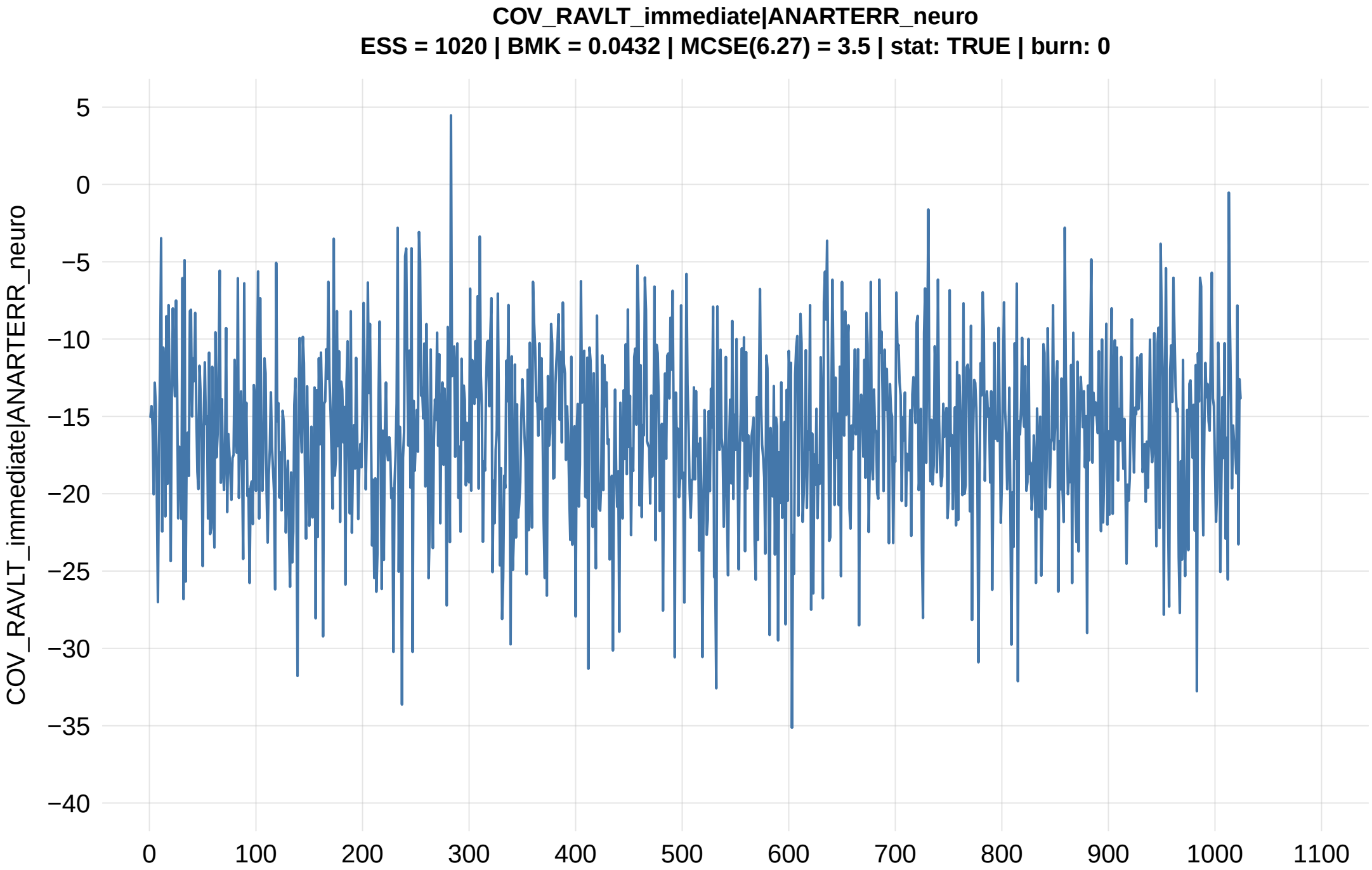

COV_RAVLT_immediate|TRAASCOR_neuro
ESS = 1020 | BMK = 0.089 | MCSE(6.27) = 3.75 | stat: TRUE | burn: 0
COV_RAVLT_immediate|TRAASCOR_neuro
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
0
100
200
300
400
500
600
700
800
900
1000
1100

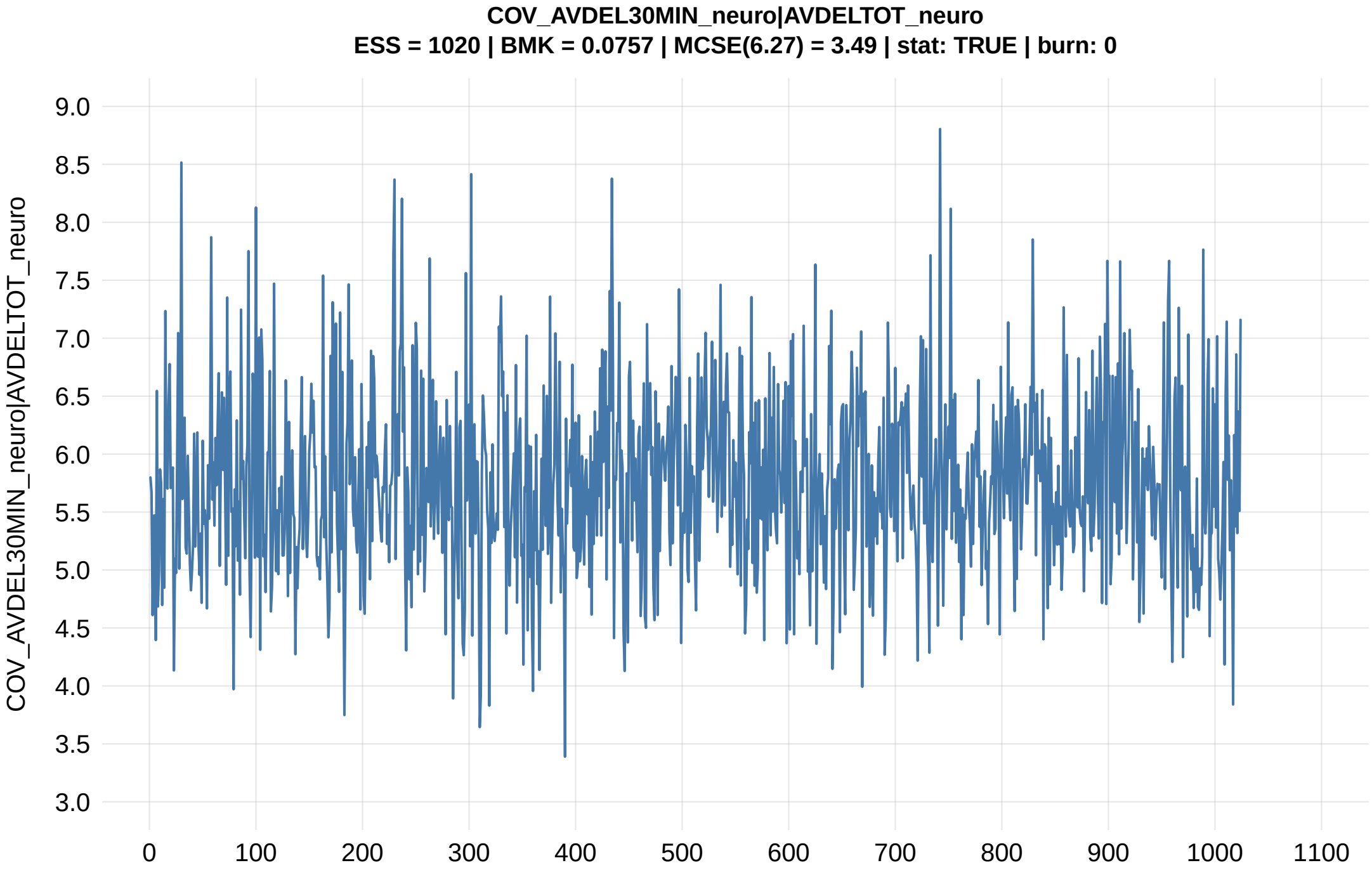

COV_RAVLT_immediate|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0655 | MCSE(6.27) = 3.1 | stat: TRUE | burn: 0
COV_RAVLT_immediate|TRABSCOR_neuro
0
−50
−100
−150
−200
−250
−300
−350
0
100
200
300
400
500
600
700
800
900
1000
1100

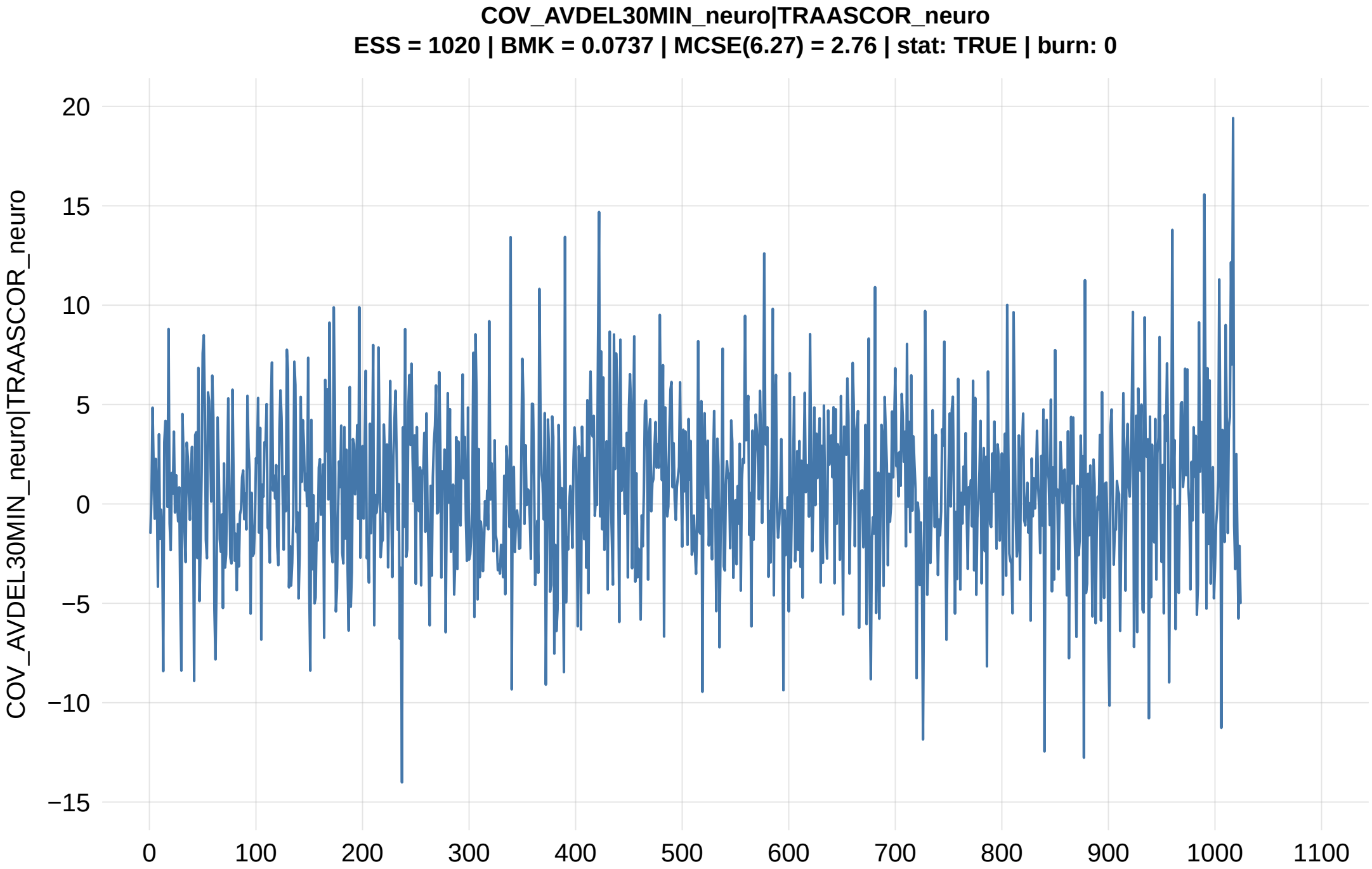

COV_RAVLT_immediate|CATANIMSC_neuro
ESS = 1020 | BMK = 0.063 | MCSE(6.27) = 4.04 | stat: TRUE | burn: 0
COV_RAVLT_immediate|CATANIMSC_neuro
22
20
18
16
14
12
10
8
6
4
2
0
−2
0
100
200
300
400
500
600
700
800
900
1000
1100

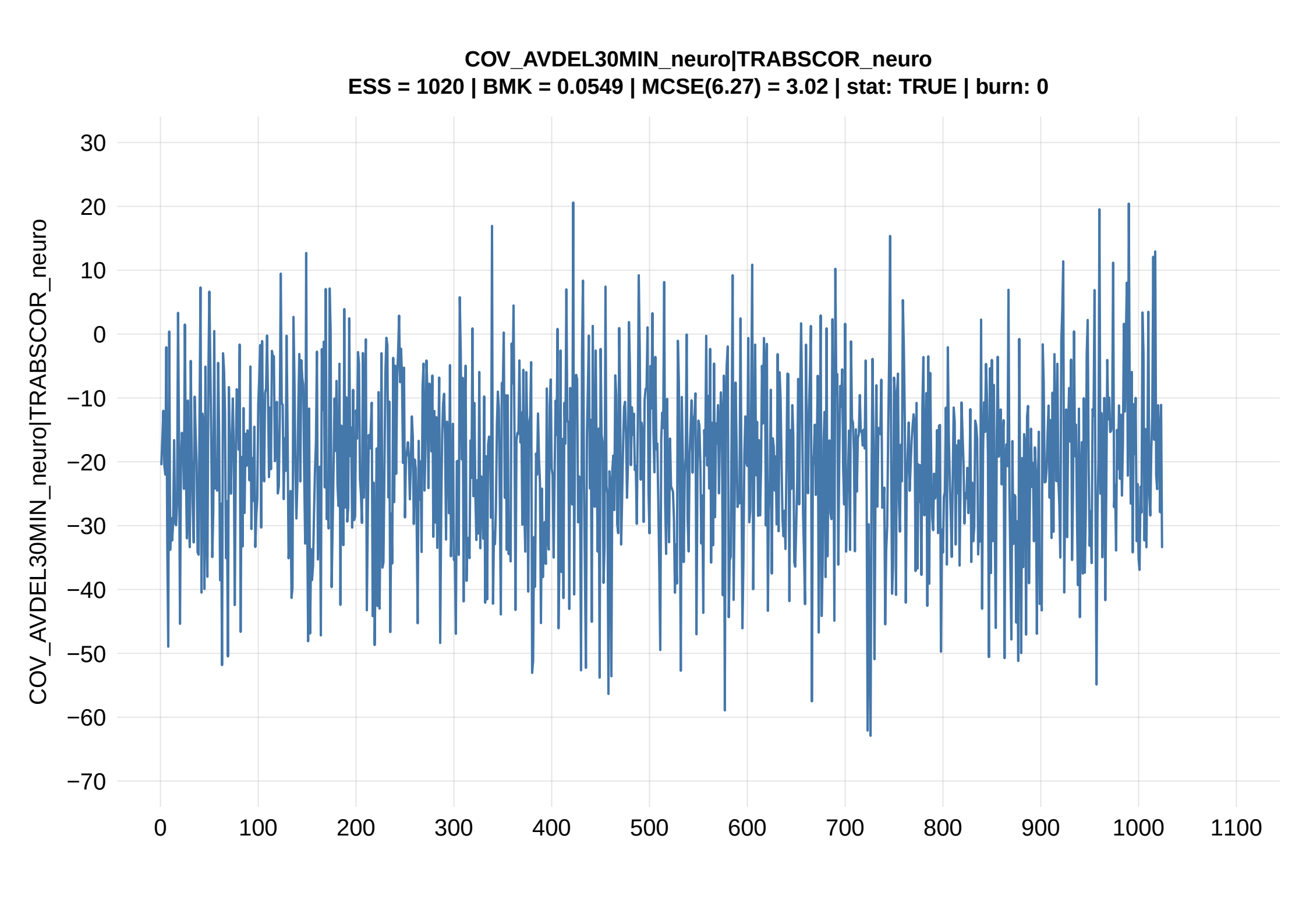

COV_RAVLT_immediate|Apoe4_
ESS = 1020 | BMK = 0.0748 | MCSE(6.27) = 3.26 | stat: TRUE | burn: 0
COV_RAVLT_immediate|Apoe4_
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
0
100
200
300
400
500
600
700
800
900
1000
1100

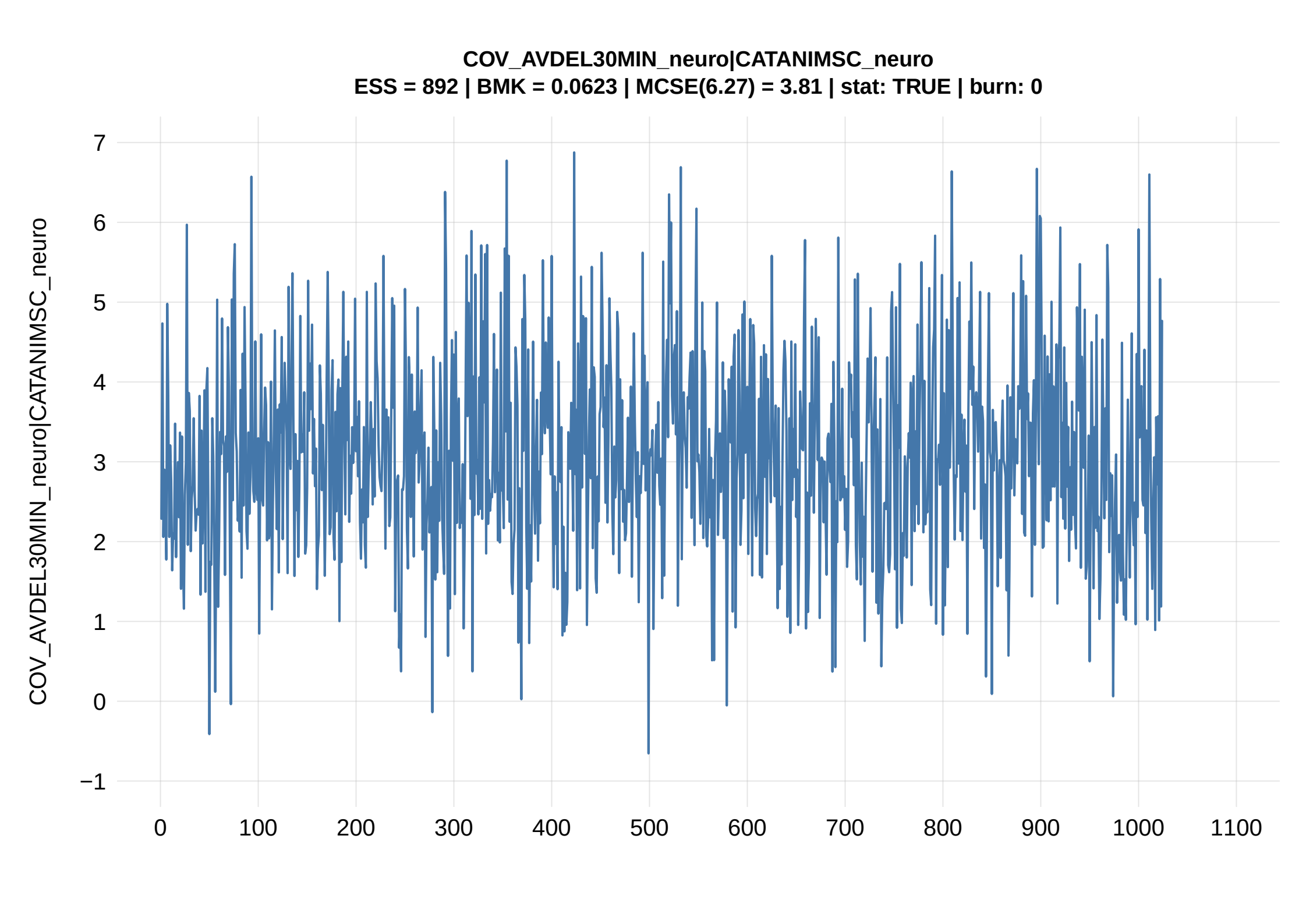

COV_RAVLT_immediate|GDTOTAL_gds
ESS = 675 | BMK = 0.0909 | MCSE(6.27) = 4.76 | stat: TRUE | burn: 0
COV_RAVLT_immediate|GDTOTAL_gds
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
0
100
200
300
400
500
600
700
800
900
1000
1100

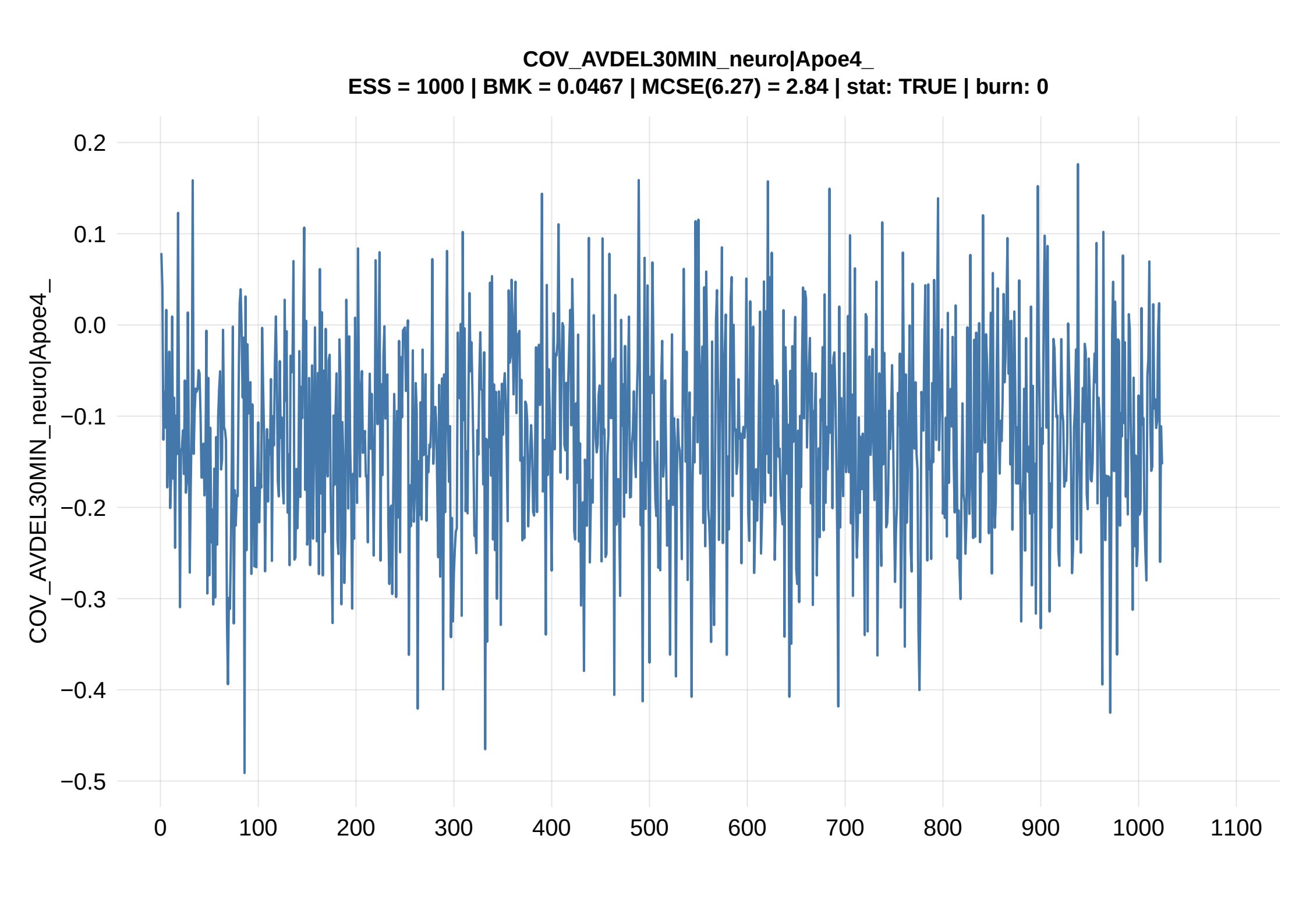

COV_RAVLT_immediate|ANARTERR_neuro
ESS = 1020 | BMK = 0.0432 | MCSE(6.27) = 3.5 | stat: TRUE | burn: 0
COV_RAVLT_immediate|ANARTERR_neuro
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
100
200
300
400
500
600
700
800
900
1000
1100

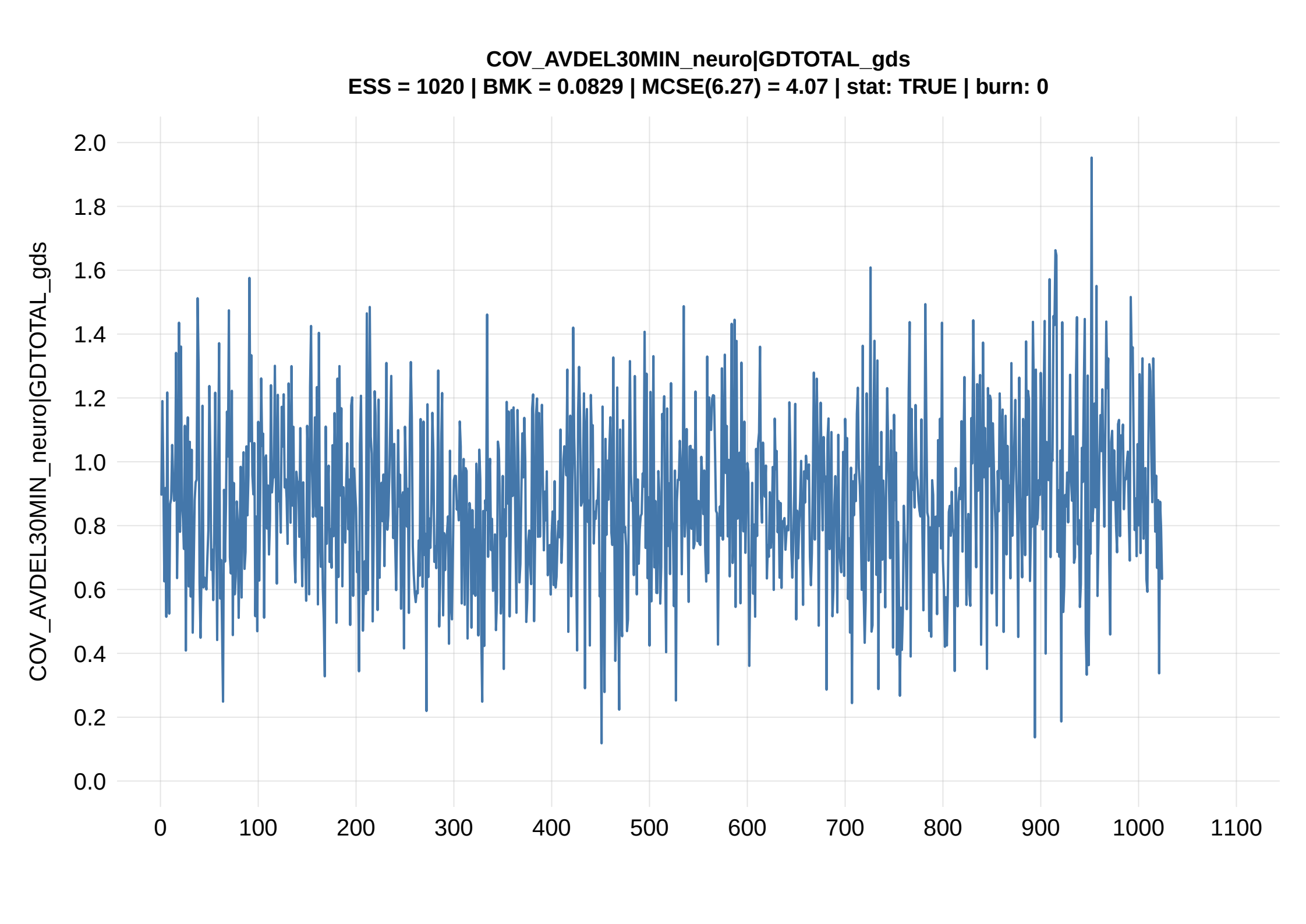

COV_AVDEL30MIN_neuro|AVDELTOT_neuro
ESS = 1020 | BMK = 0.0757 | MCSE(6.27) = 3.49 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|AVDELTOT_neuro
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
0
100
200
300
400
500
600
700
800
900
1000
1100

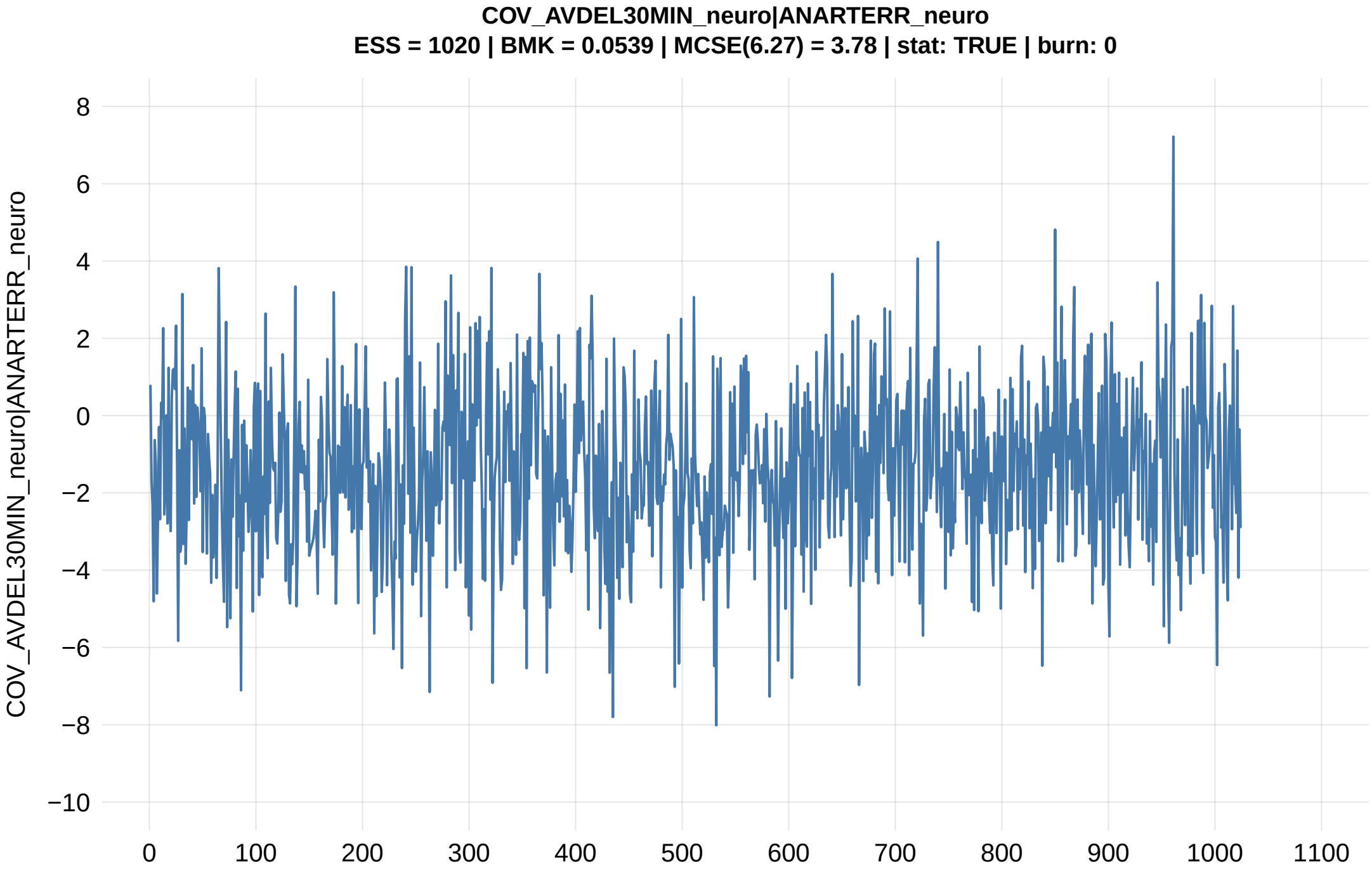

COV_AVDEL30MIN_neuro|TRAASCOR_neuro
ESS = 1020 | BMK = 0.0737 | MCSE(6.27) = 2.76 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|TRAASCOR_neuro
20
15
10
5
0
−5
−10
−15
0
100
200
300
400
500
600
700
800
900
1000
1100

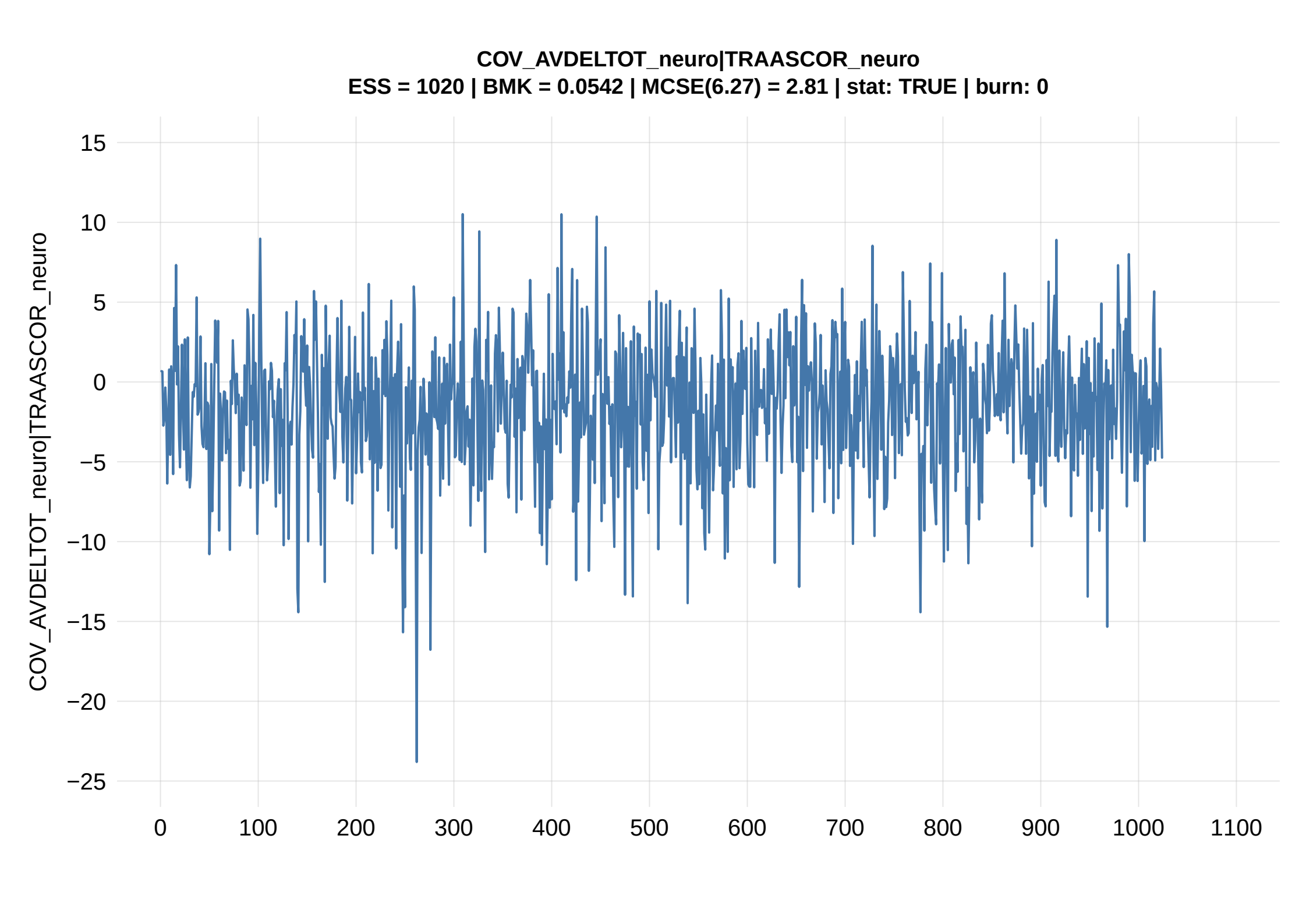

COV_AVDEL30MIN_neuro|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0549 | MCSE(6.27) = 3.02 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|TRABSCOR_neuro
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
0
100
200
300
400
500
600
700
800
900
1000
1100

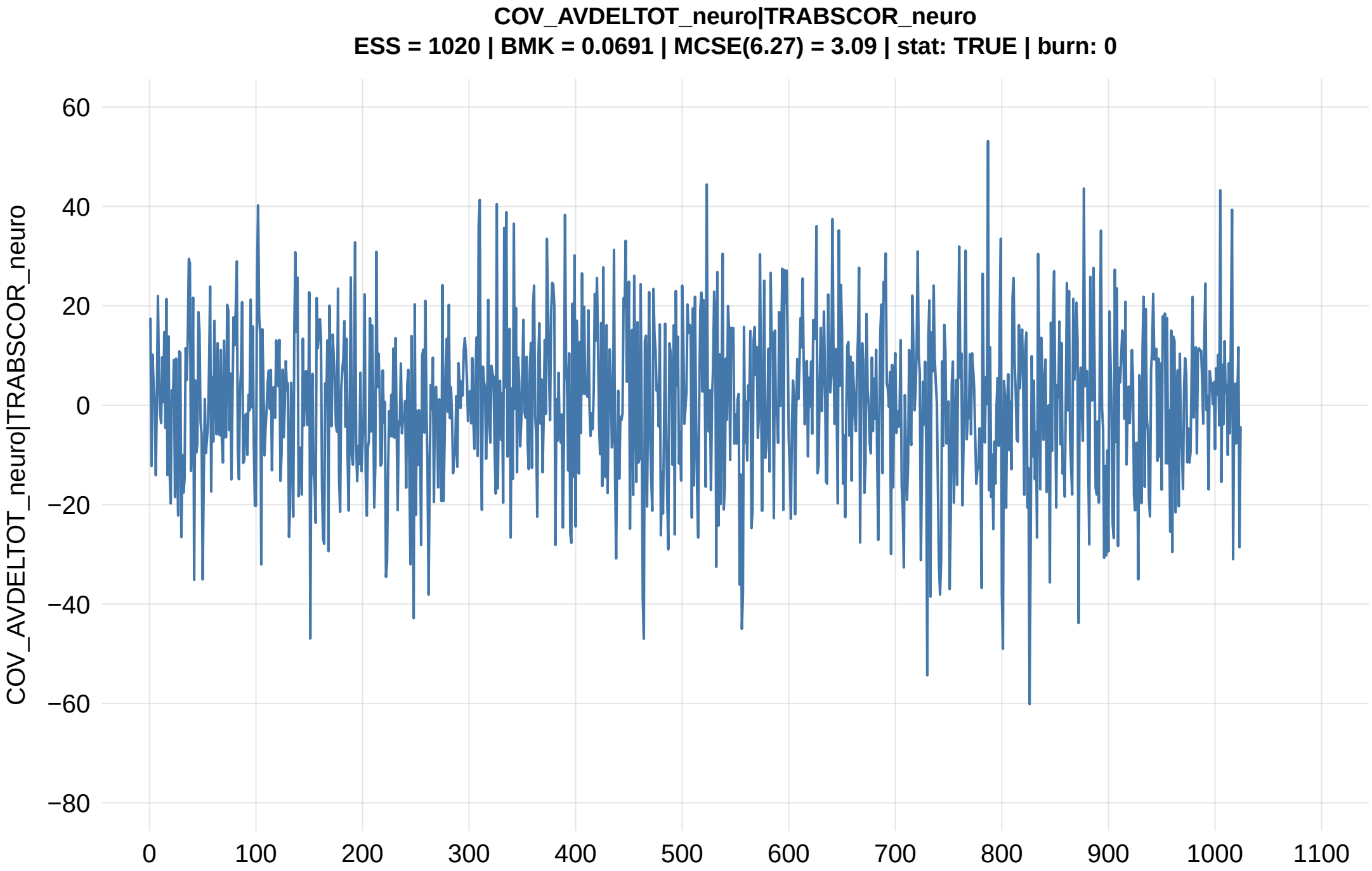

COV_AVDEL30MIN_neuro|CATANIMSC_neuro
ESS = 892 | BMK = 0.0623 | MCSE(6.27) = 3.81 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|CATANIMSC_neuro
7
6
5
4
3
2
1
0
−1
0
100
200
300
400
500
600
700
800
900
1000
1100

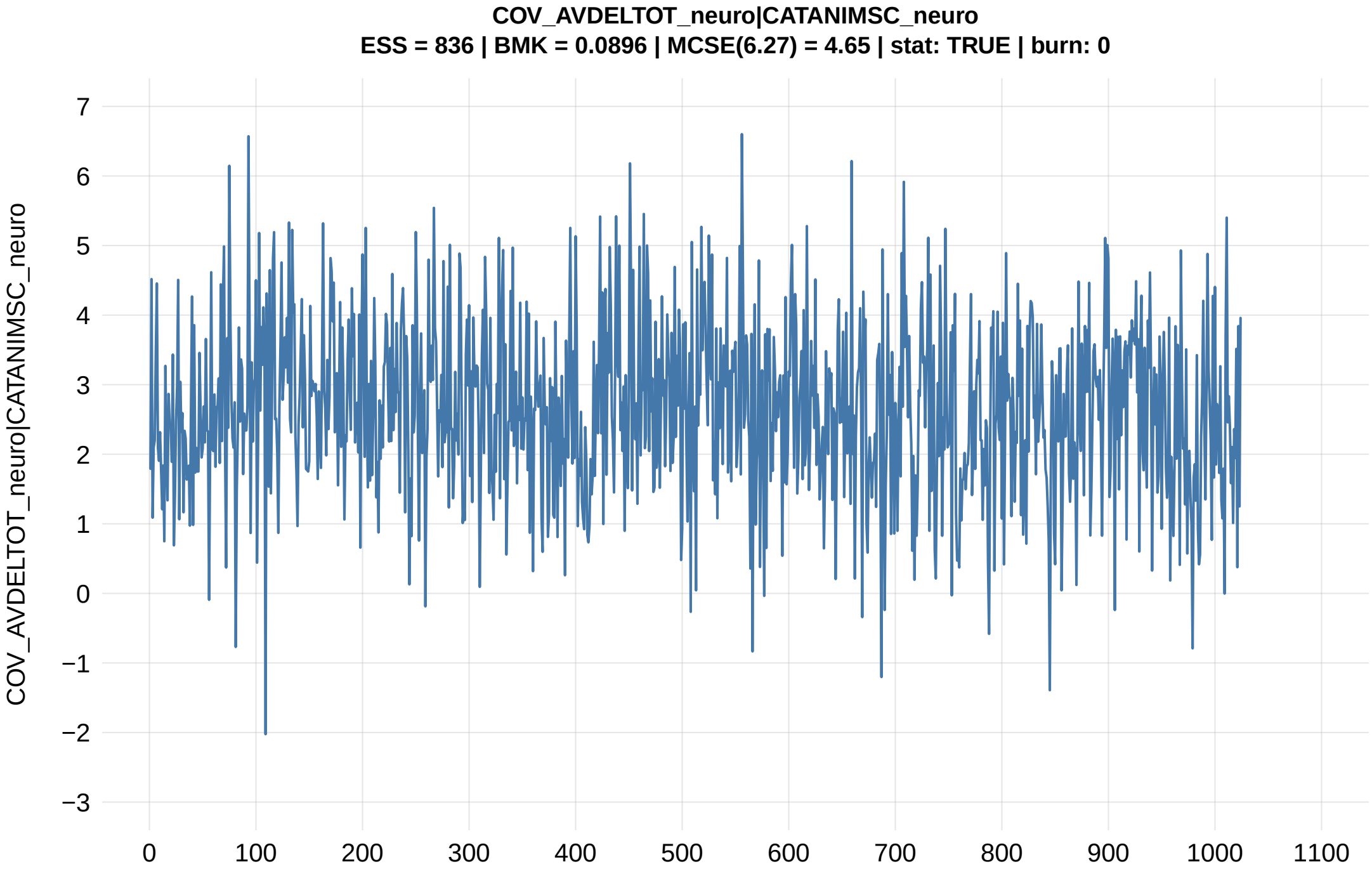

COV_AVDEL30MIN_neuro|Apoe4_
ESS = 1000 | BMK = 0.0467 | MCSE(6.27) = 2.84 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|Apoe4_
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
0
100
200
300
400
500
600
700
800
900
1000
1100

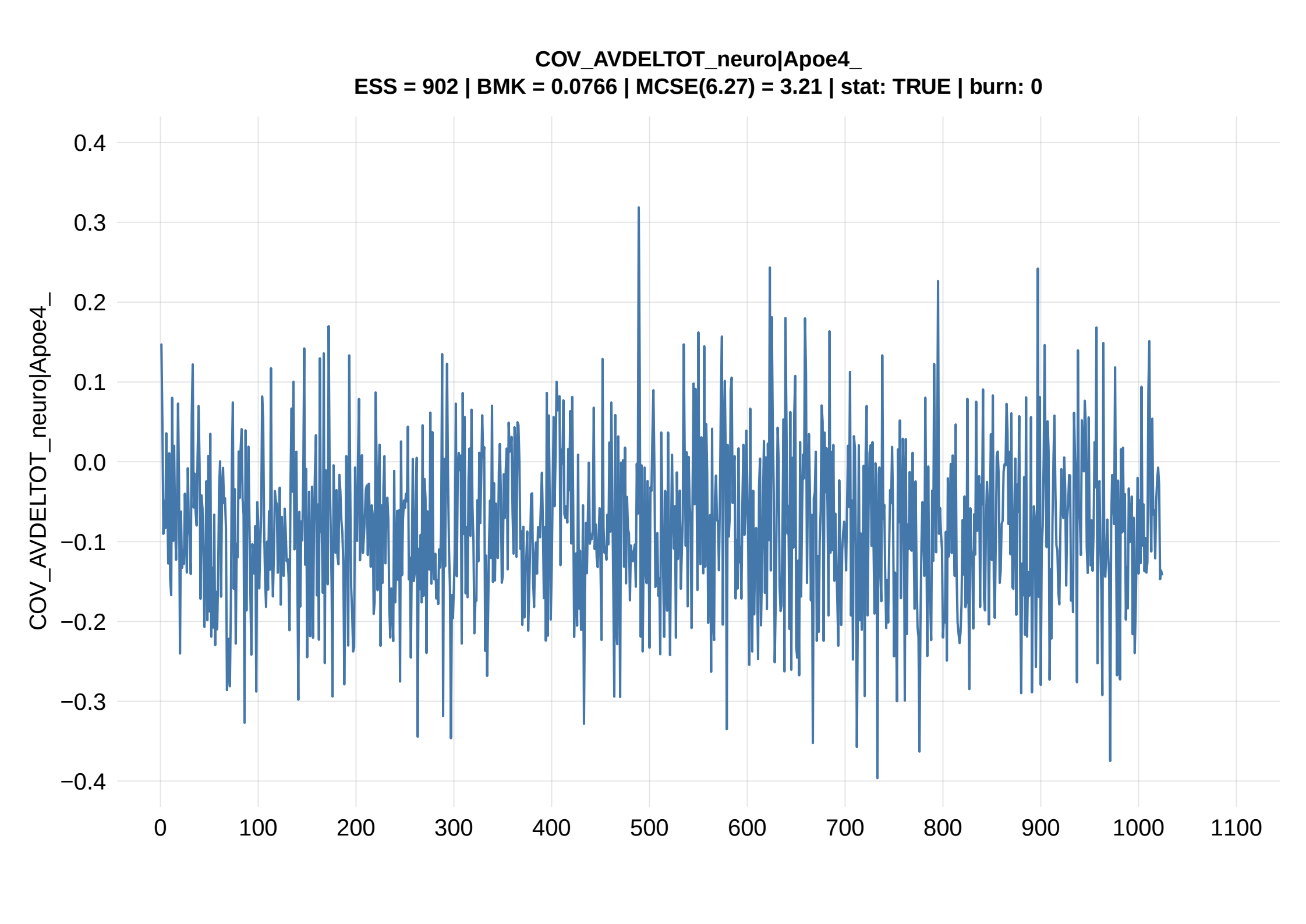

COV_AVDEL30MIN_neuro|GDTOTAL_gds
ESS = 1020 | BMK = 0.0829 | MCSE(6.27) = 4.07 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|GDTOTAL_gds
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
100
200
300
400
500
600
700
800
900
1000
1100

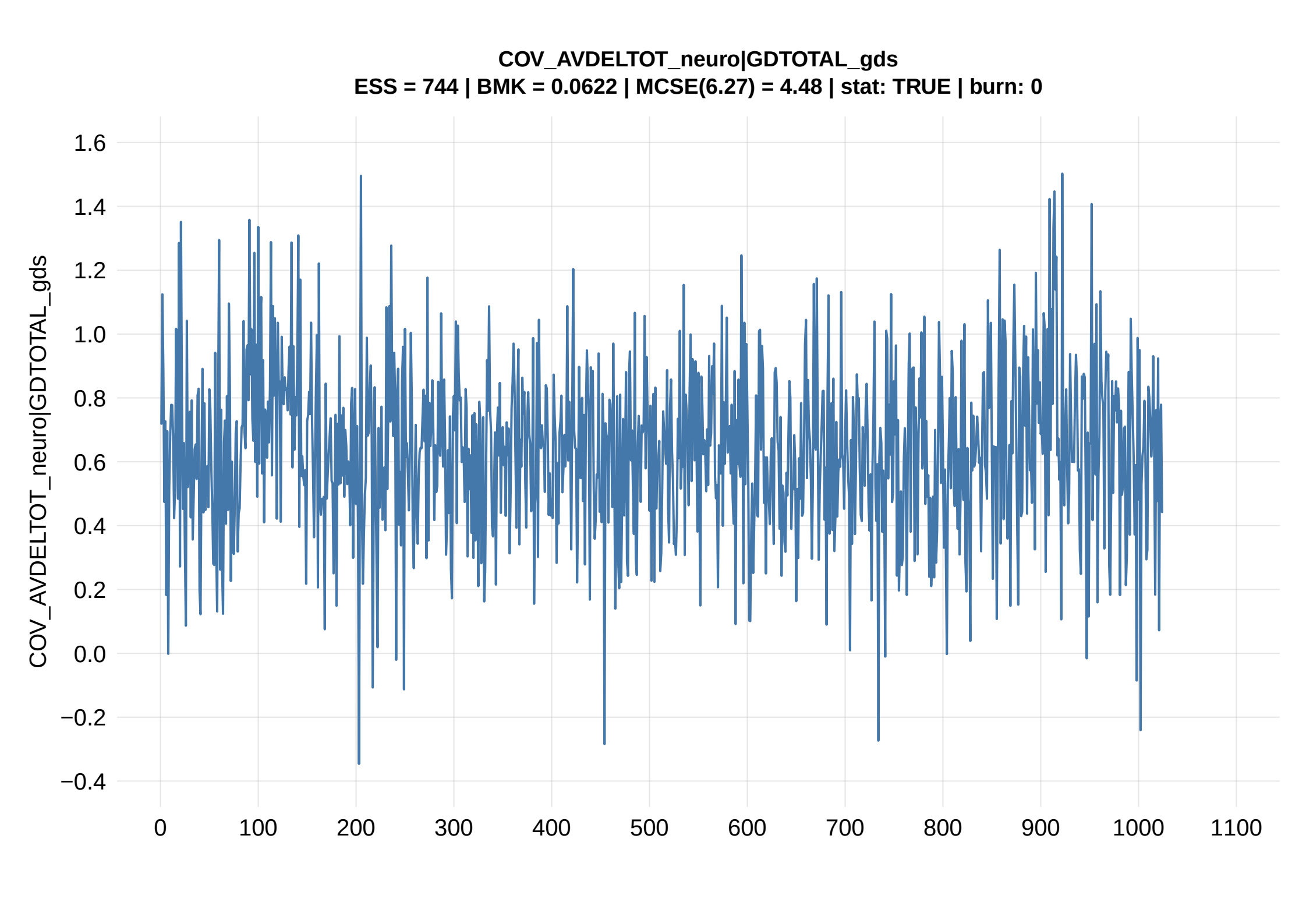

COV_AVDEL30MIN_neuro|ANARTERR_neuro
ESS = 1020 | BMK = 0.0539 | MCSE(6.27) = 3.78 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|ANARTERR_neuro
8
6
4
2
0
−2
−4
−6
−8
−10
0
100
200
300
400
500
600
700
800
900
1000
1100

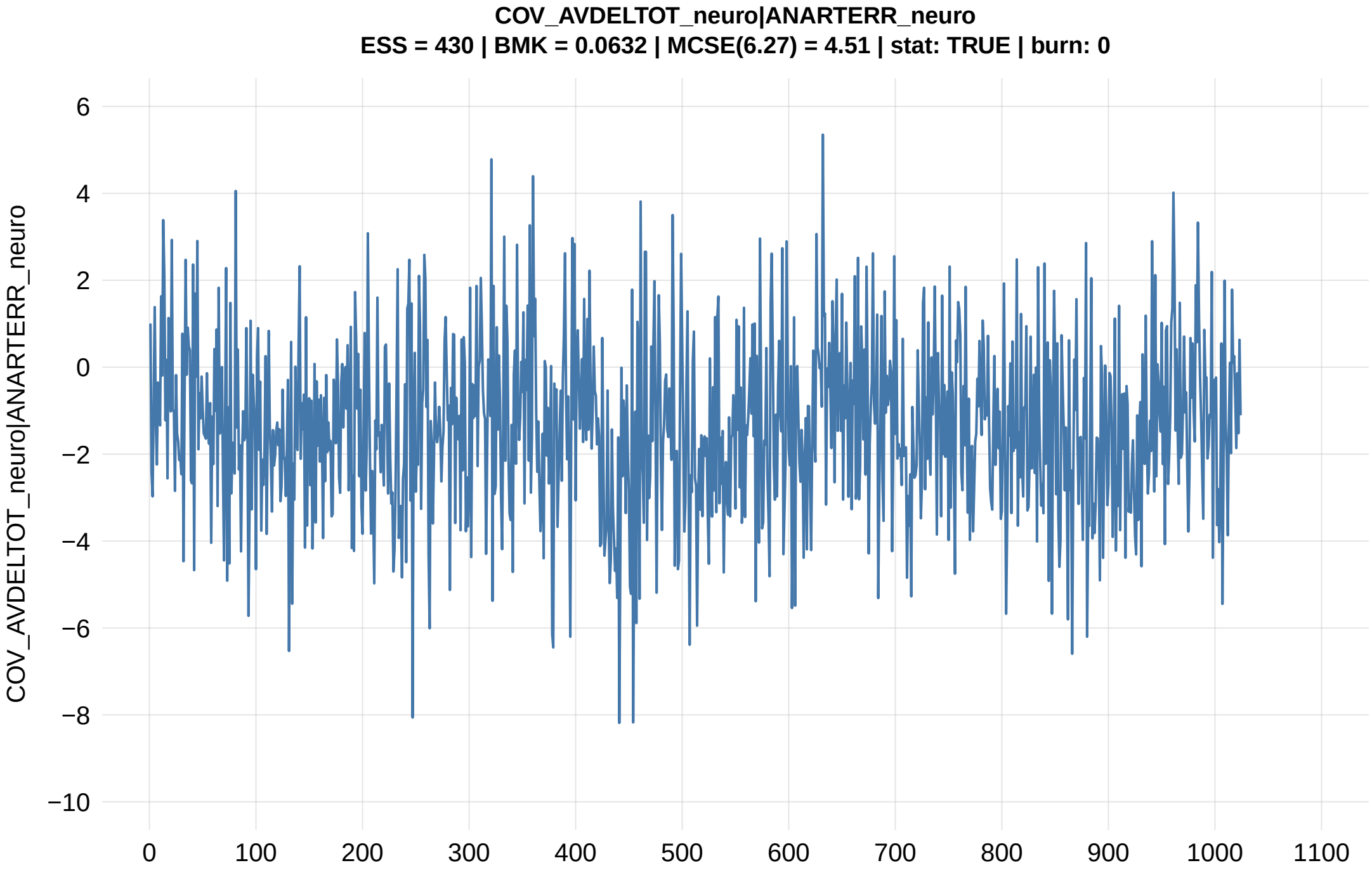

COV_AVDELTOT_neuro|TRAASCOR_neuro
ESS = 1020 | BMK = 0.0542 | MCSE(6.27) = 2.81 | stat: TRUE | burn: 0
COV_AVDELTOT_neuro|TRAASCOR_neuro
15
10
5
0
−5
−10
−15
−20
−25
0
100
200
300
400
500
600
700
800
900
1000
1100

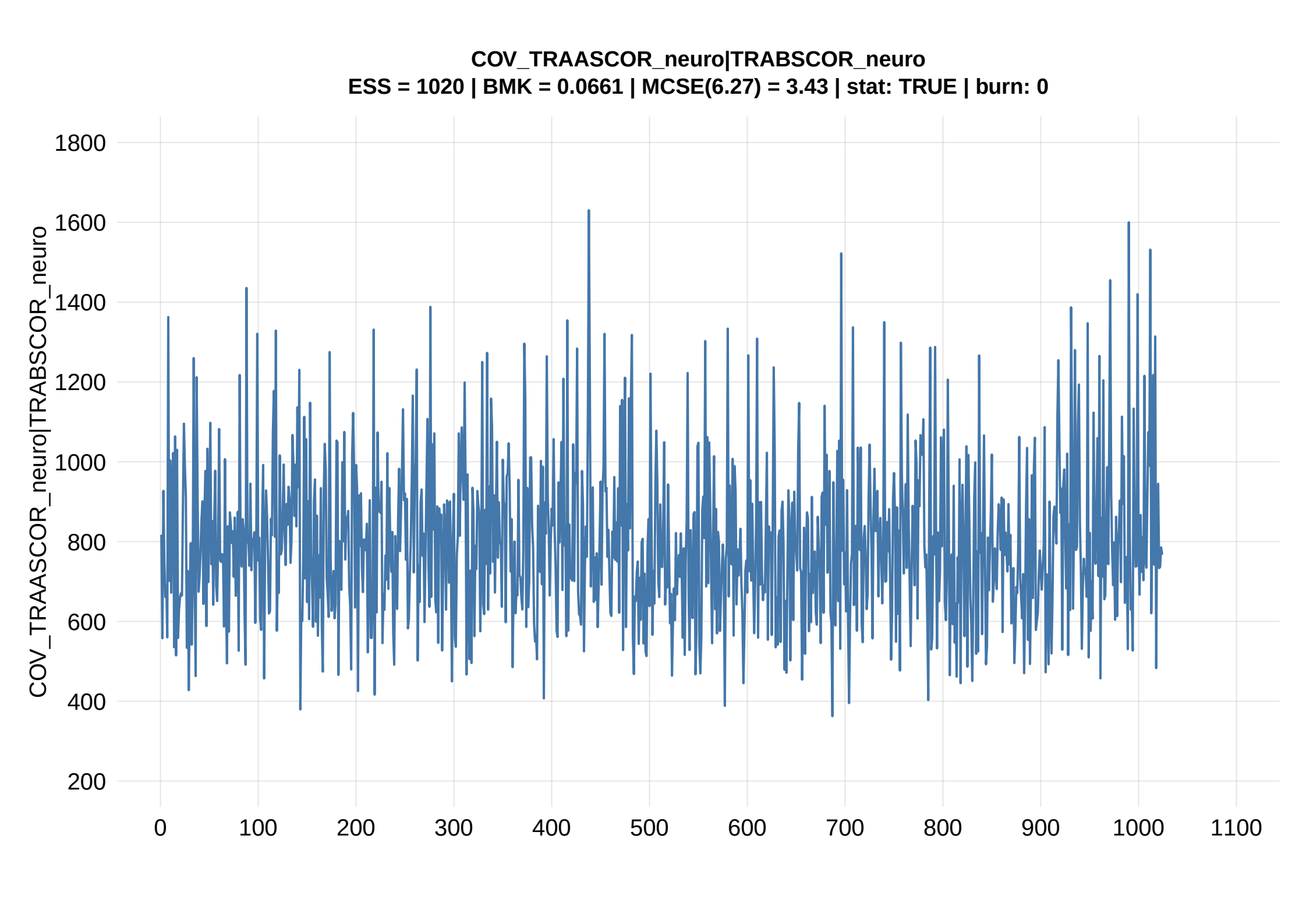

COV_AVDELTOT_neuro|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0691 | MCSE(6.27) = 3.09 | stat: TRUE | burn: 0
COV_AVDELTOT_neuro|TRABSCOR_neuro
60
40
20
0
−20
−40
−60
−80
0
100
200
300
400
500
600
700
800
900
1000
1100

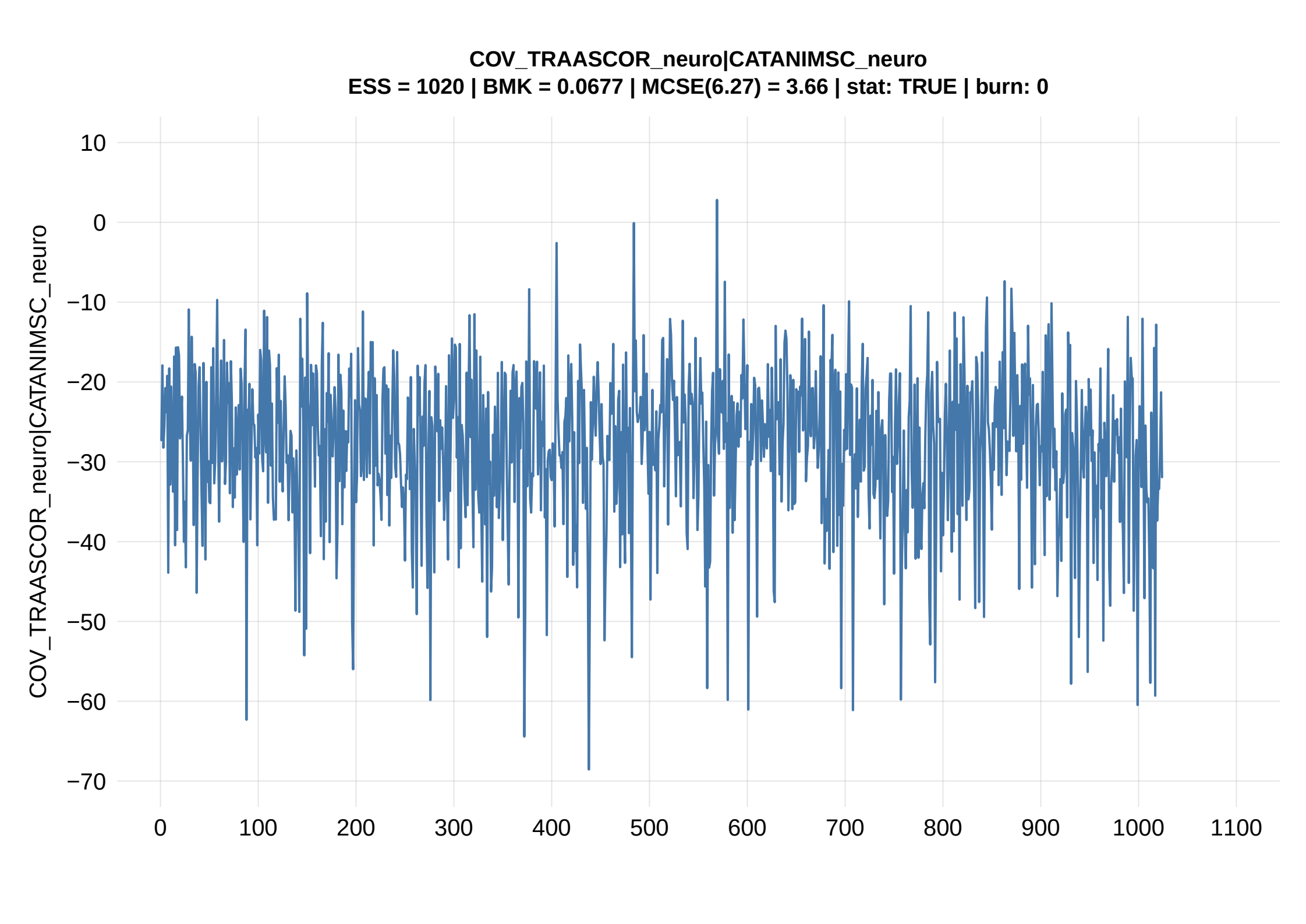

COV_AVDELTOT_neuro|CATANIMSC_neuro
ESS = 836 | BMK = 0.0896 | MCSE(6.27) = 4.65 | stat: TRUE | burn: 0
COV_AVDELTOT_neuro|CATANIMSC_neuro
7
6
5
4
3
2
1
0
−1
−2
−3
0
100
200
300
400
500
600
700
800
900
1000
1100

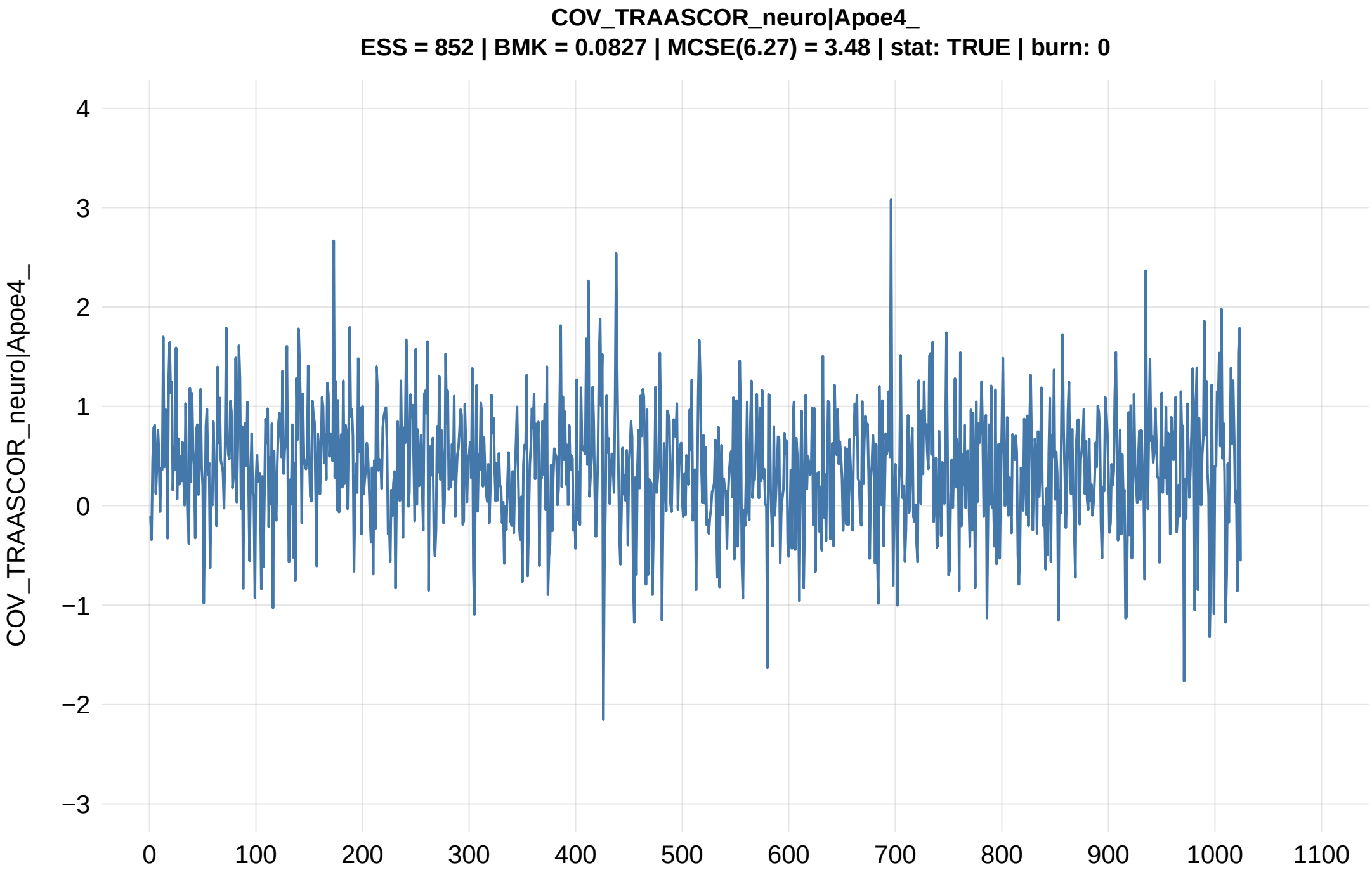

COV_AVDELTOT_neuro|Apoe4_
ESS = 902 | BMK = 0.0766 | MCSE(6.27) = 3.21 | stat: TRUE | burn: 0
COV_AVDELTOT_neuro|Apoe4_
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400
500
600
700
800
900
1000
1100

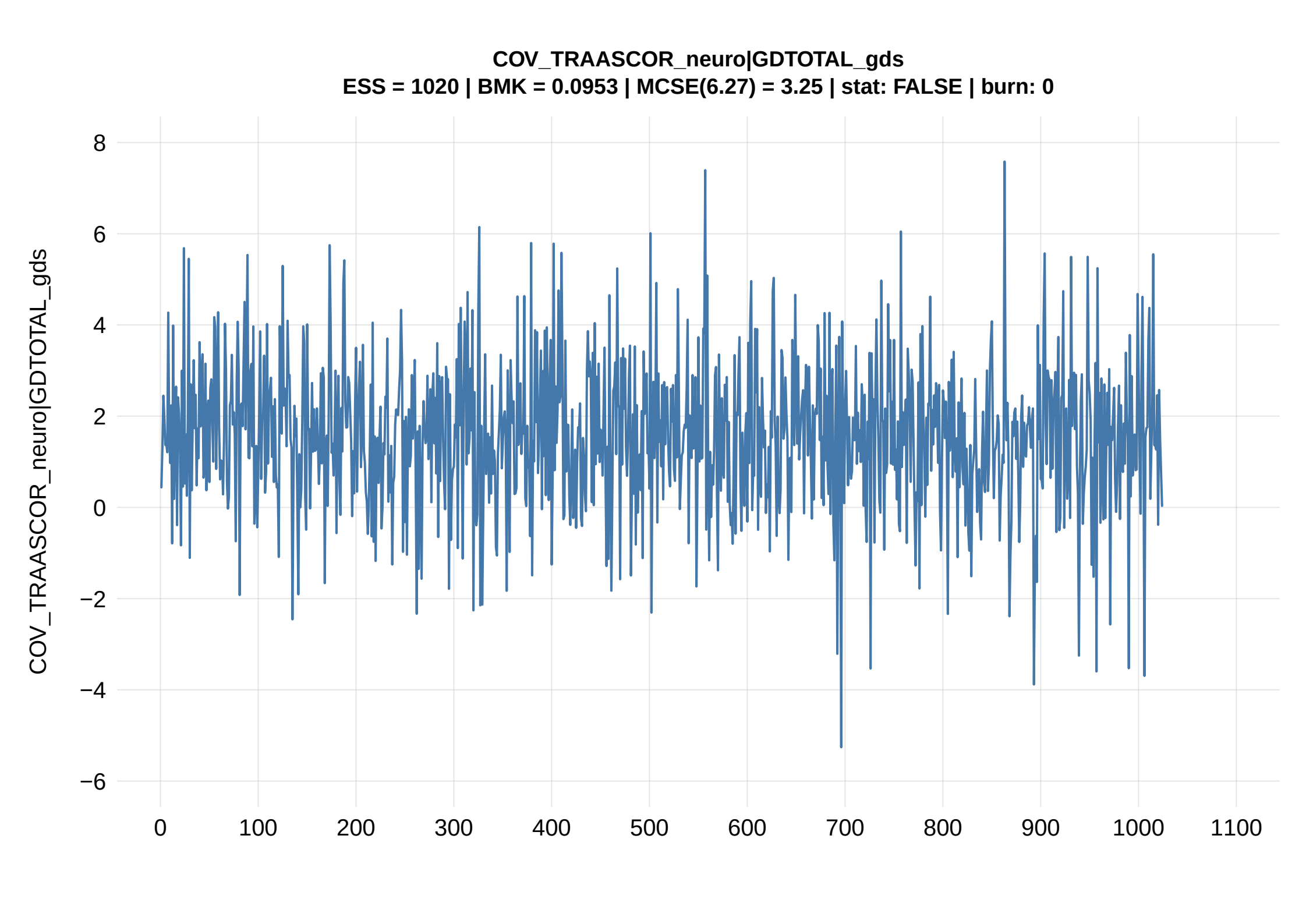

COV_AVDELTOT_neuro|GDTOTAL_gds
ESS = 744 | BMK = 0.0622 | MCSE(6.27) = 4.48 | stat: TRUE | burn: 0
COV_AVDELTOT_neuro|GDTOTAL_gds
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
0
100
200
300
400
500
600
700
800
900
1000
1100

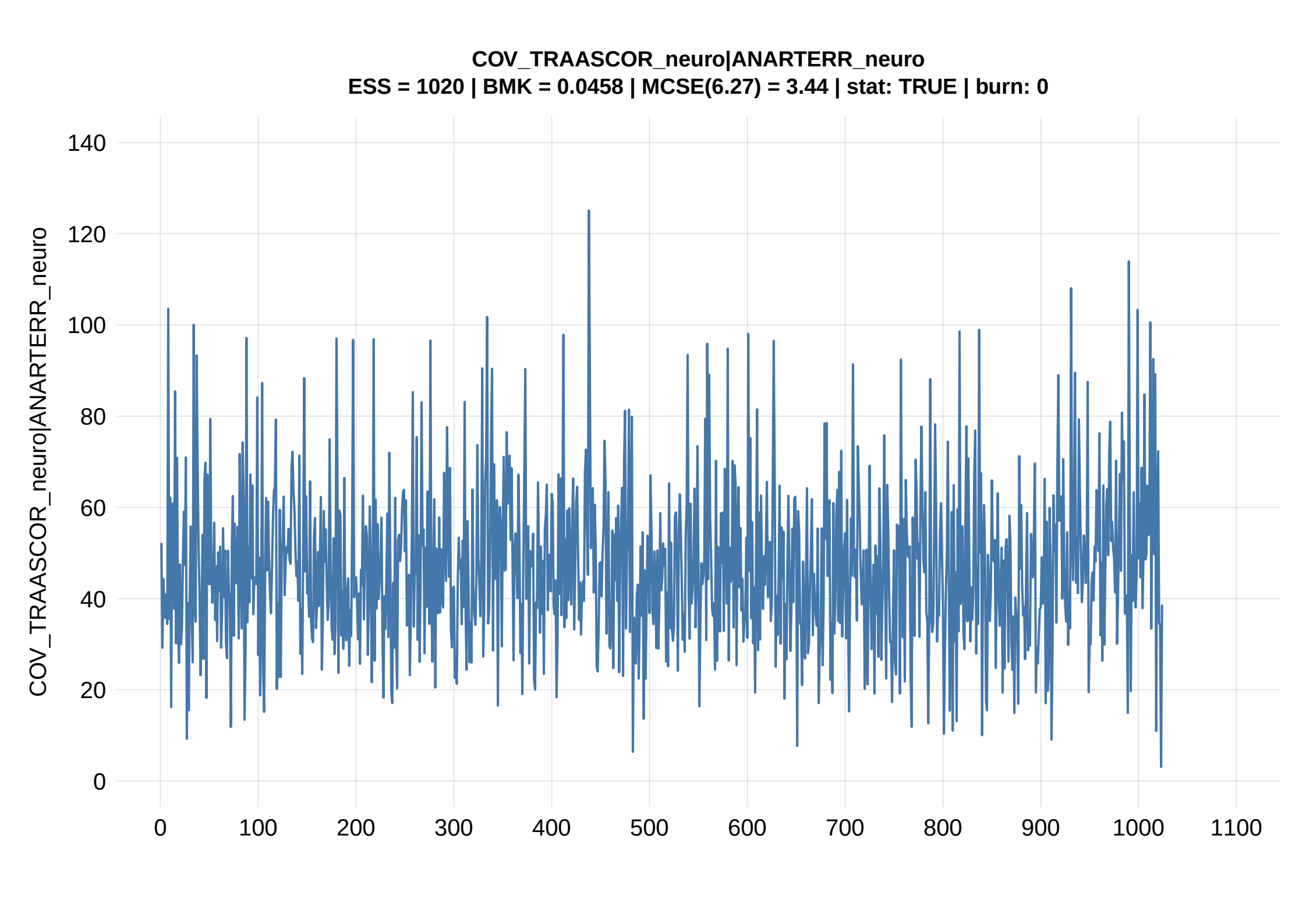

COV_AVDELTOT_neuro|ANARTERR_neuro
ESS = 430 | BMK = 0.0632 | MCSE(6.27) = 4.51 | stat: TRUE | burn: 0
COV_AVDELTOT_neuro|ANARTERR_neuro
6
4
2
0
−2
−4
−6
−8
−10
0
100
200
300
400
500
600
700
800
900
1000
1100

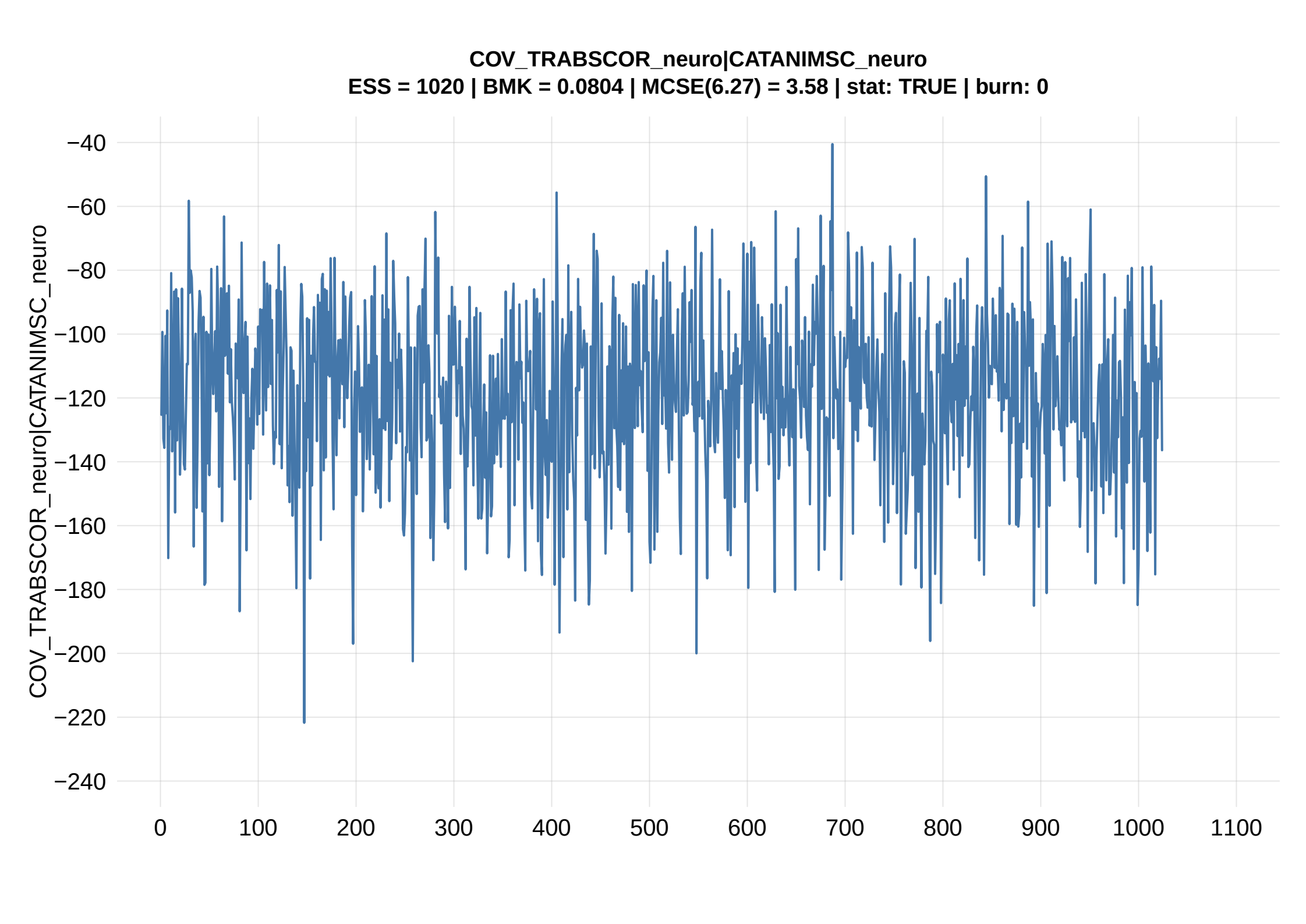

COV_TRAASCOR_neuro|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0661 | MCSE(6.27) = 3.43 | stat: TRUE | burn: 0
COV_TRAASCOR_neuro|TRABSCOR_neuro
1800
1600
1400
1200
1000
800
600
400
200
0
100
200
300
400
500
600
700
800
900
1000
1100

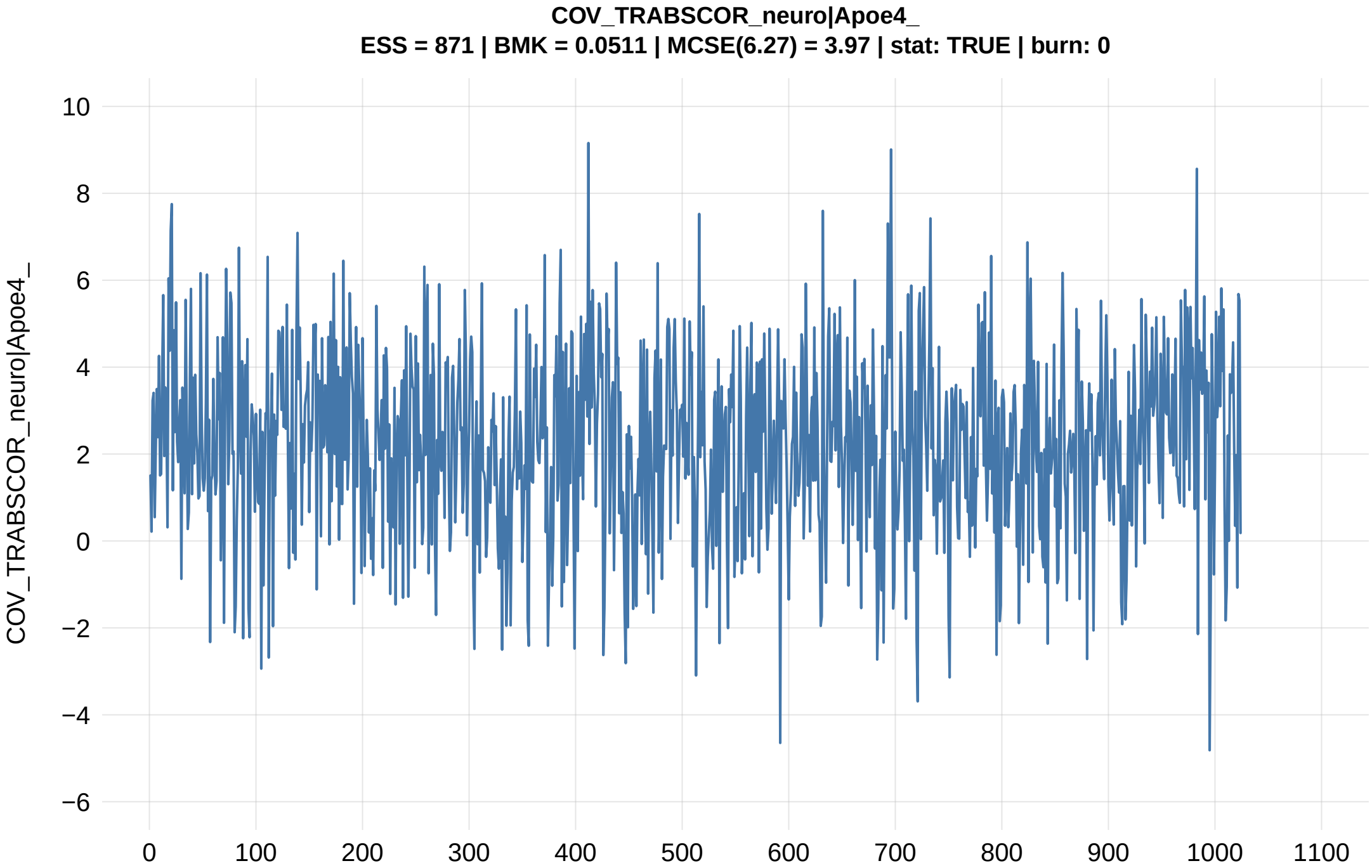

COV_TRAASCOR_neuro|CATANIMSC_neuro
ESS = 1020 | BMK = 0.0677 | MCSE(6.27) = 3.66 | stat: TRUE | burn: 0
COV_TRAASCOR_neuro|CATANIMSC_neuro
10
0
−10
−20
−30
−40
−50
−60
−70
0
100
200
300
400
500
600
700
800
900
1000
1100

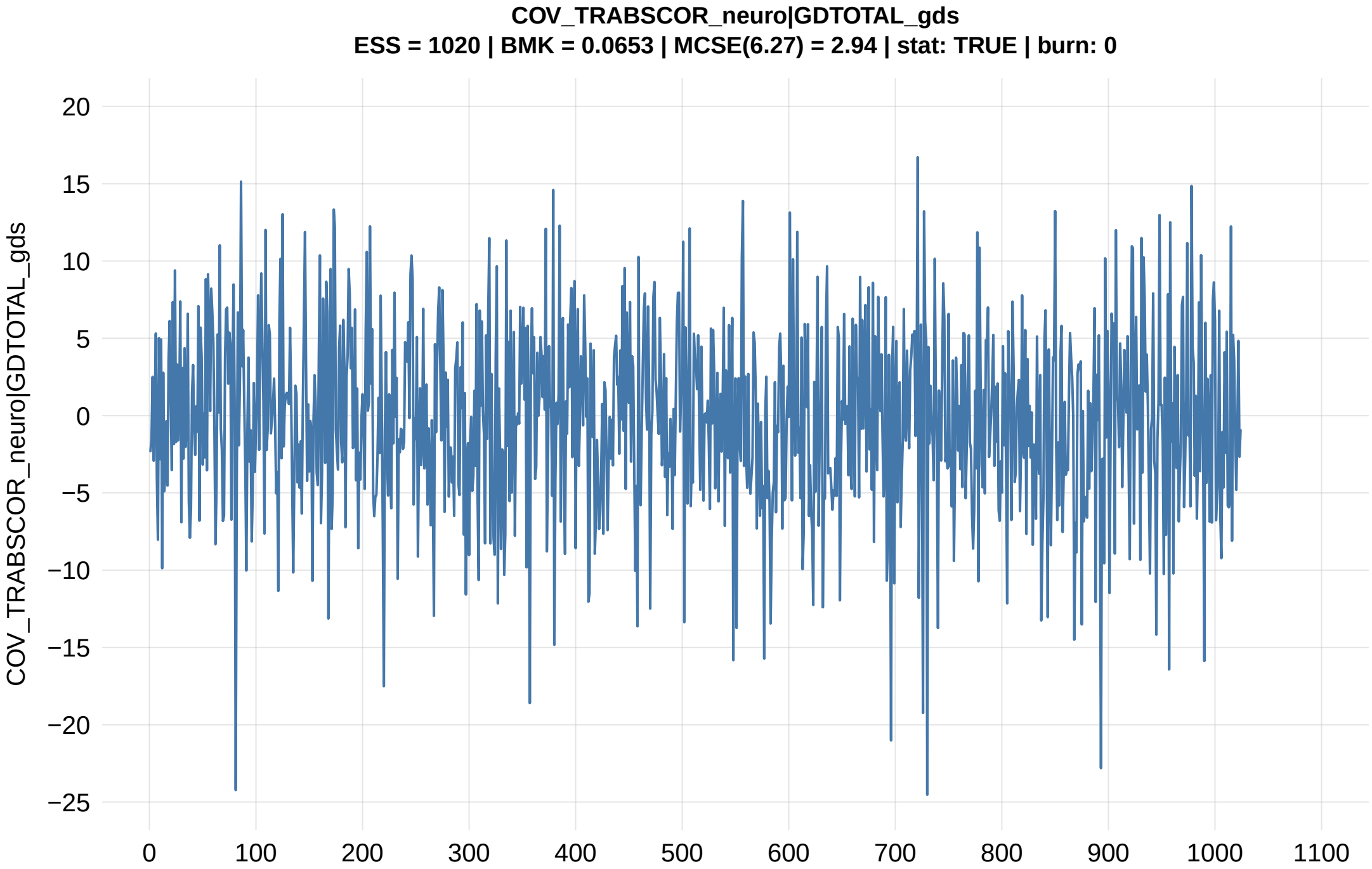

COV_TRAASCOR_neuro|Apoe4_
ESS = 852 | BMK = 0.0827 | MCSE(6.27) = 3.48 | stat: TRUE | burn: 0
COV_TRAASCOR_neuro|Apoe4_
4
3
2
1
0
−1
−2
−3
0
100
200
300
400
500
600
700
800
900
1000
1100

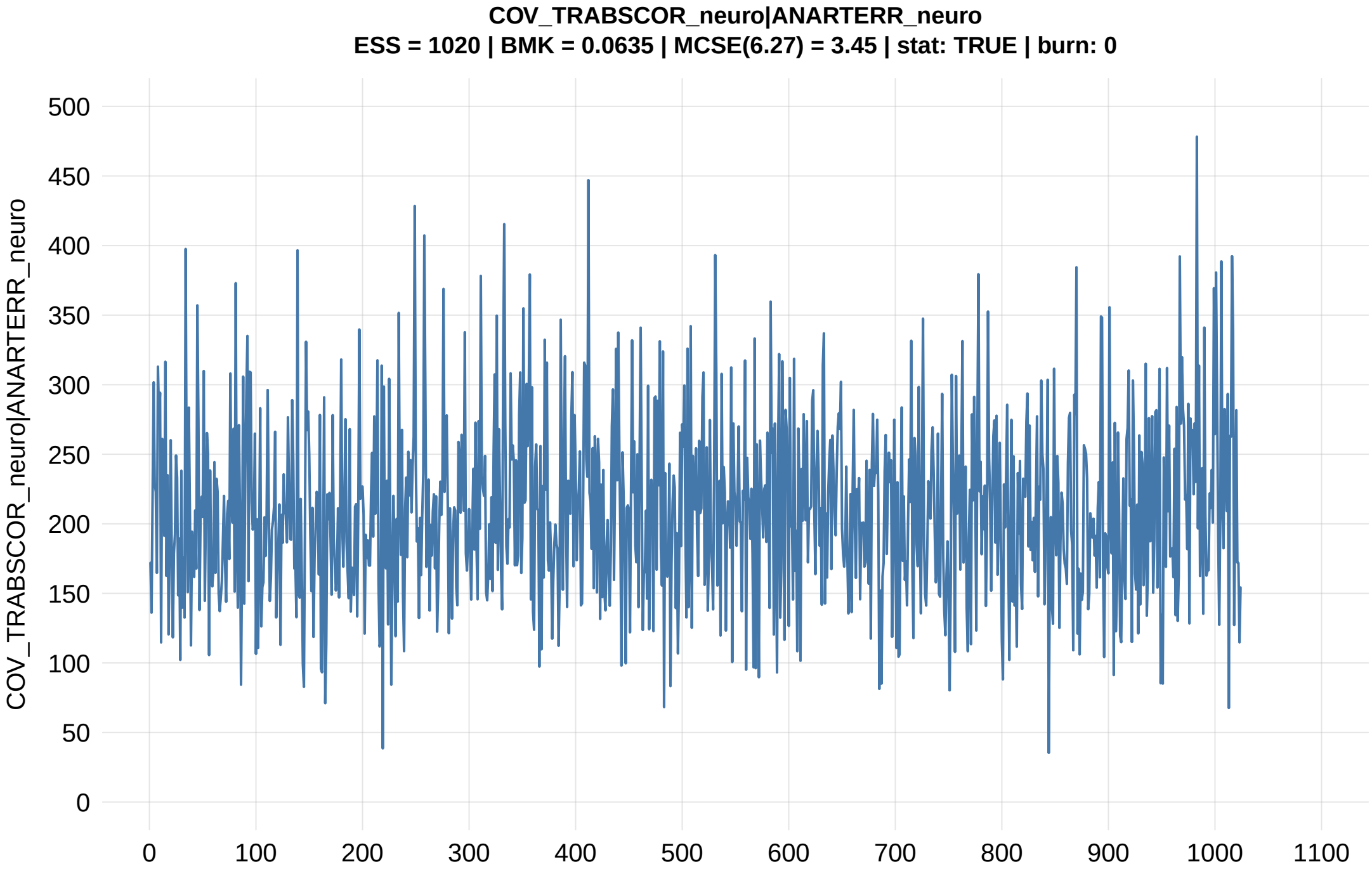

COV_TRAASCOR_neuro|GDTOTAL_gds
ESS = 1020 | BMK = 0.0953 | MCSE(6.27) = 3.25 | stat: FALSE | burn: 0
COV_TRAASCOR_neuro|GDTOTAL_gds
8
6
4
2
0
−2
−4
−6
0
100
200
300
400
500
600
700
800
900
1000
1100

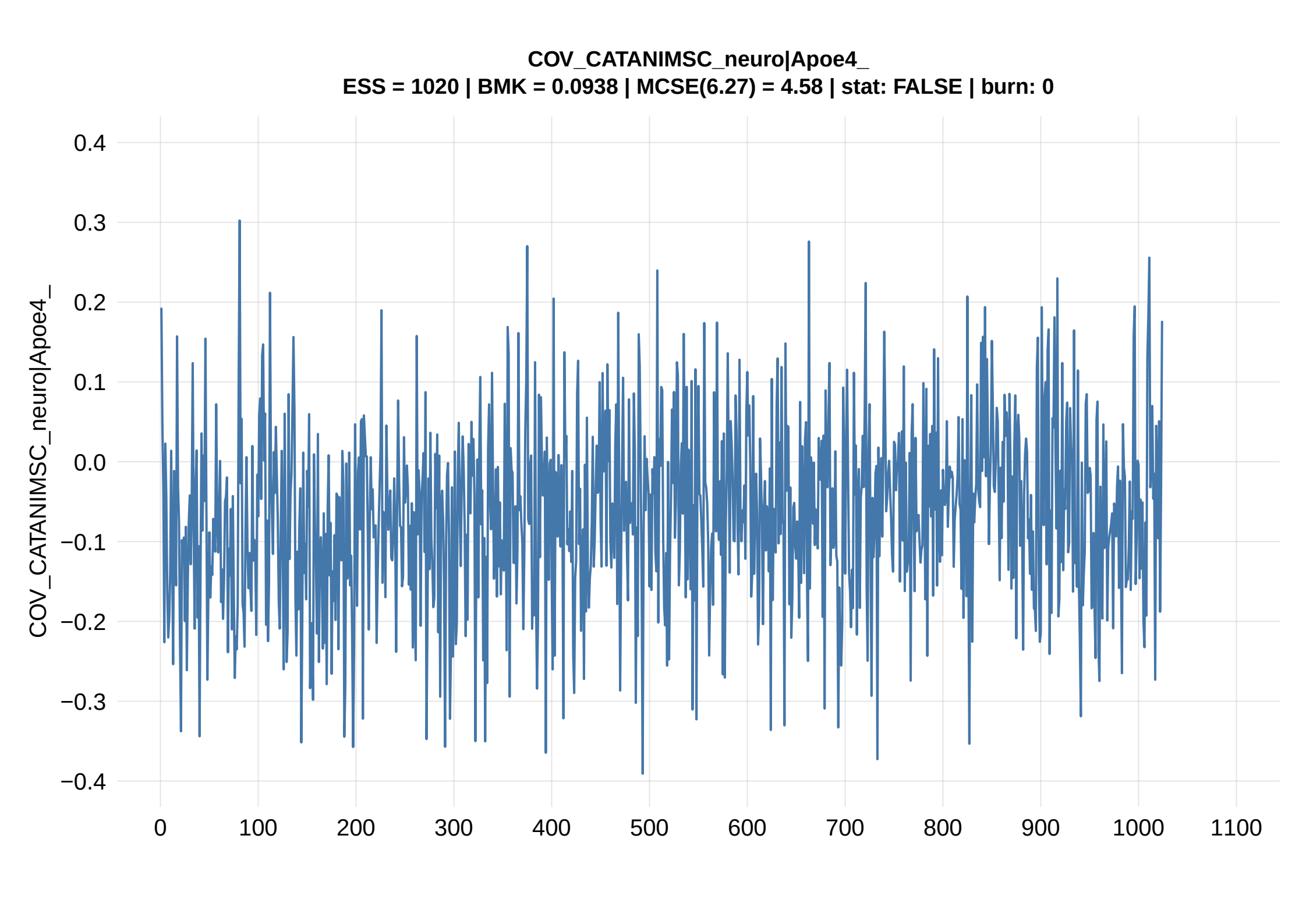

COV_TRAASCOR_neuro|ANARTERR_neuro
ESS = 1020 | BMK = 0.0458 | MCSE(6.27) = 3.44 | stat: TRUE | burn: 0
COV_TRAASCOR_neuro|ANARTERR_neuro
140
120
100
80
60
40
20
0
0
100
200
300
400
500
600
700
800
900
1000
1100

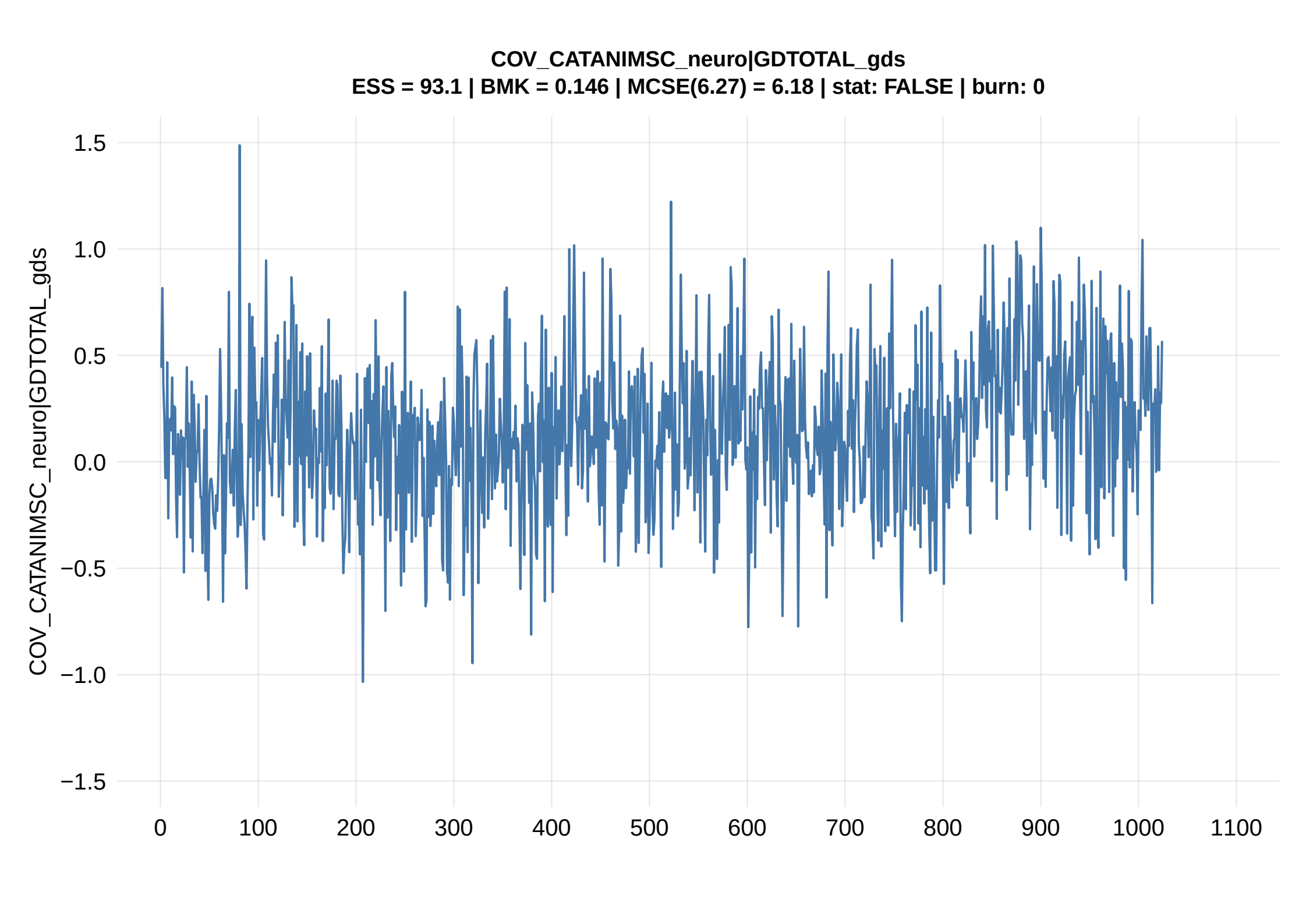

COV_TRABSCOR_neuro|CATANIMSC_neuro
ESS = 1020 | BMK = 0.0804 | MCSE(6.27) = 3.58 | stat: TRUE | burn: 0
COV_TRABSCOR_neuro|CATANIMSC_neuro
−40
−60
−80
−100
−120
−140
−160
−180
−200
−220
−240
0
100
200
300
400
500
600
700
800
900
1000
1100

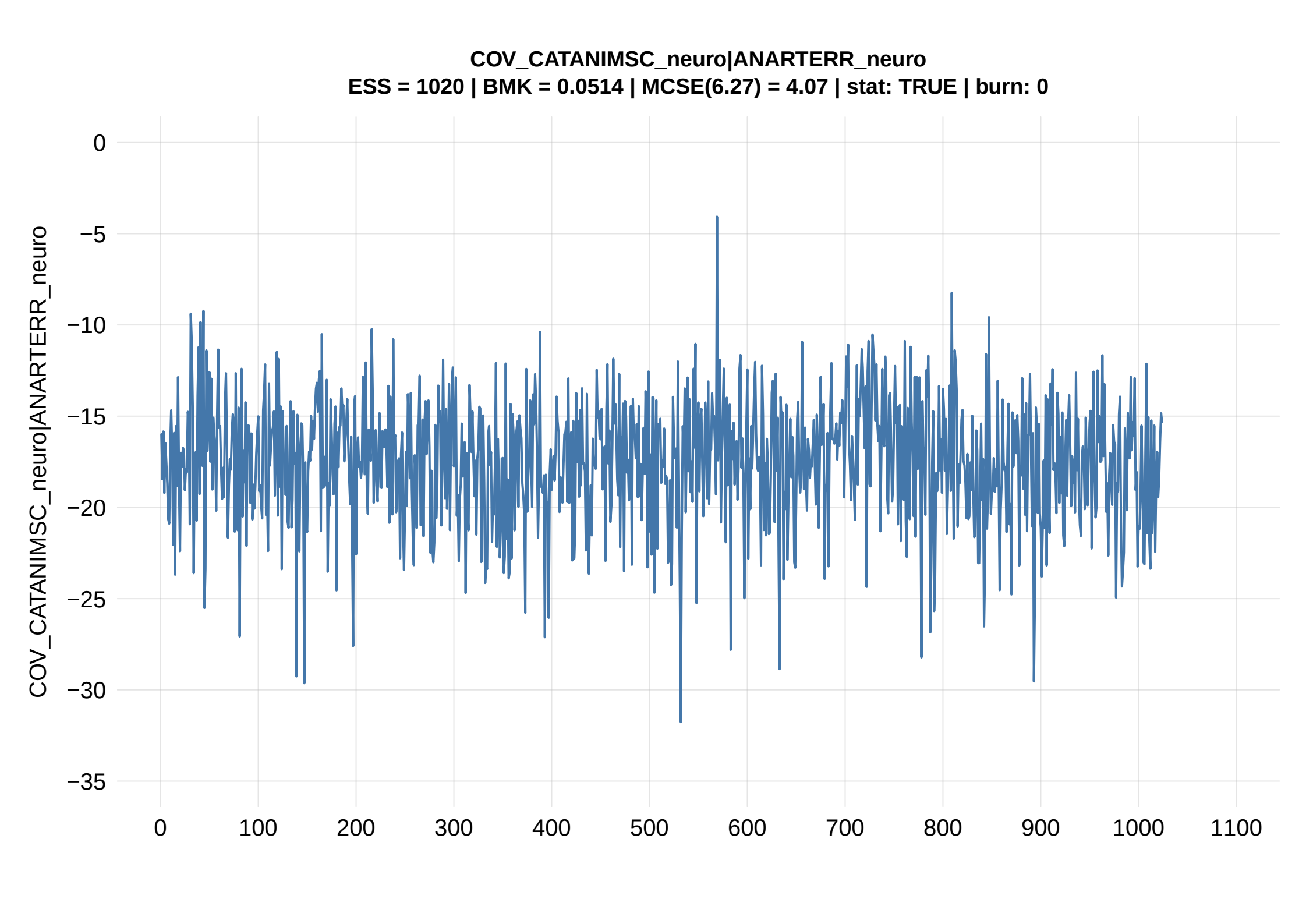

COV_TRABSCOR_neuro|Apoe4_
ESS = 871 | BMK = 0.0511 | MCSE(6.27) = 3.97 | stat: TRUE | burn: 0
COV_TRABSCOR_neuro|Apoe4_
10
8
6
4
2
0
−2
−4
−6
0
100
200
300
400
500
600
700
800
900
1000
1100

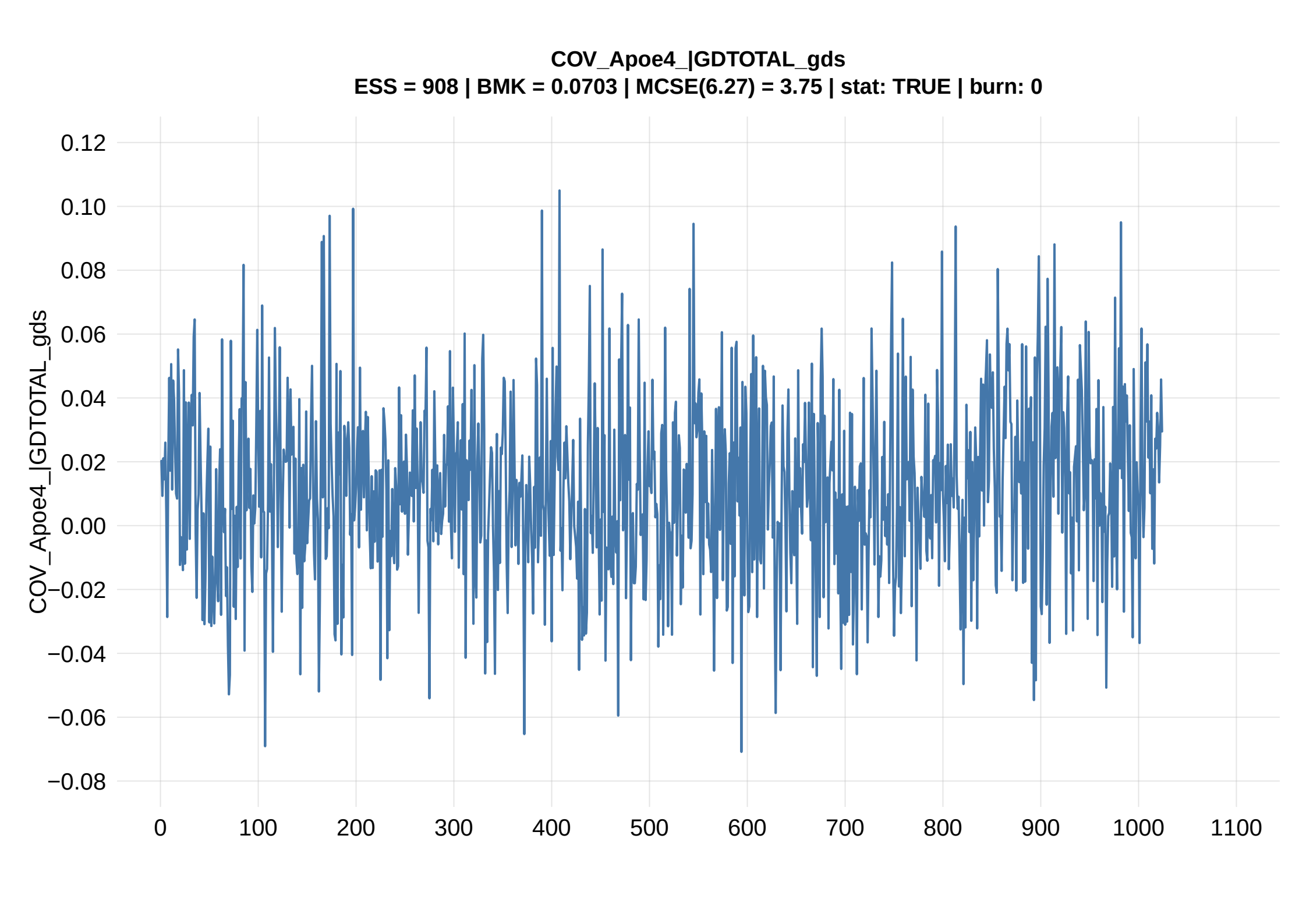

COV_TRABSCOR_neuro|GDTOTAL_gds
ESS = 1020 | BMK = 0.0653 | MCSE(6.27) = 2.94 | stat: TRUE | burn: 0
COV_TRABSCOR_neuro|GDTOTAL_gds
20
15
10
5
0
−5
−10
−15
−20
−25
0
100
200
300
400
500
600
700
800
900
1000
1100

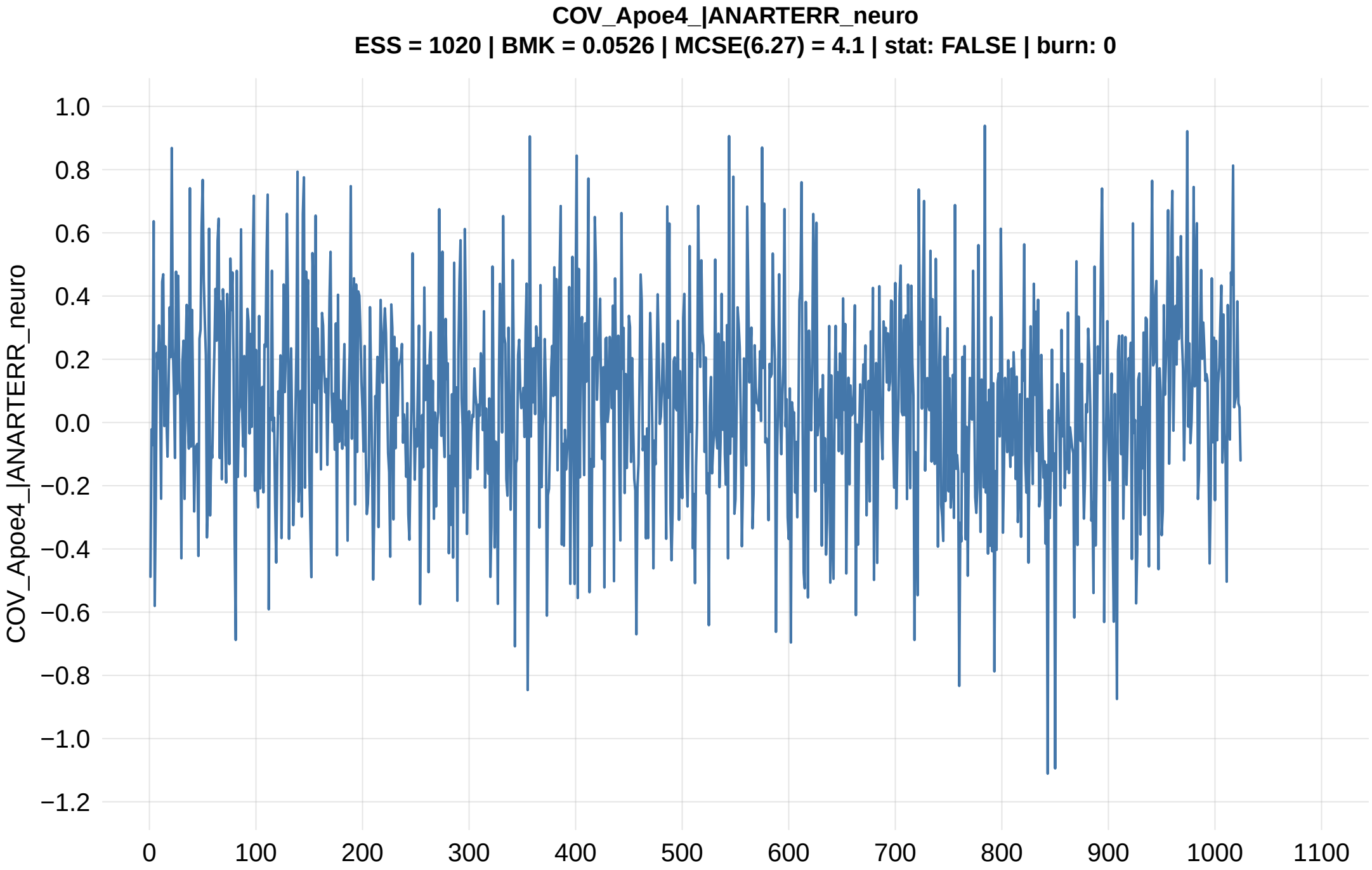

COV_TRABSCOR_neuro|ANARTERR_neuro
ESS = 1020 | BMK = 0.0635 | MCSE(6.27) = 3.45 | stat: TRUE | burn: 0
COV_TRABSCOR_neuro|ANARTERR_neuro
500
450
400
350
300
250
200
150
100
50
0
0
100
200
300
400
500
600
700
800
900
1000
1100

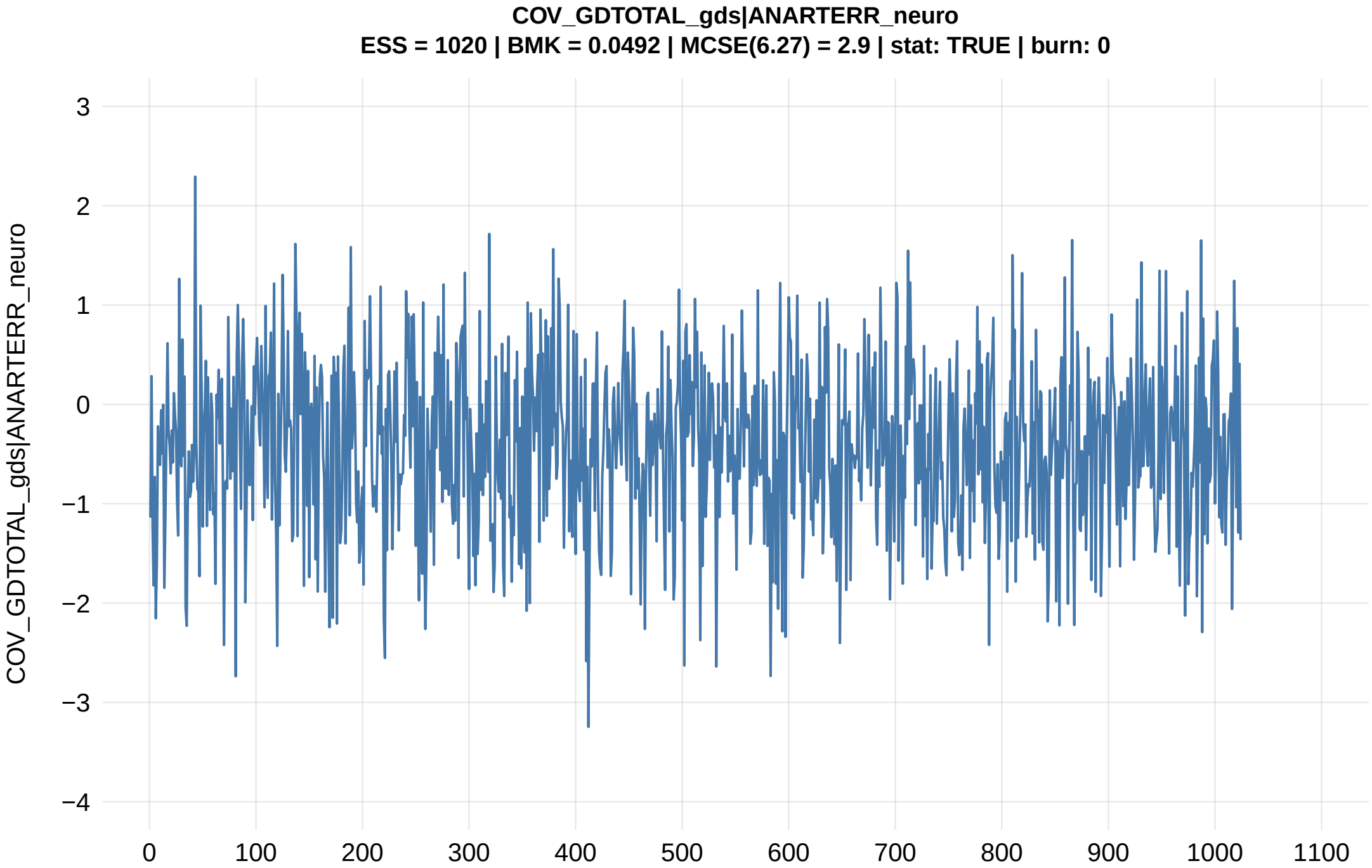

COV_CATANIMSC_neuro|Apoe4_
ESS = 1020 | BMK = 0.0938 | MCSE(6.27) = 4.58 | stat: FALSE | burn: 0
COV_CATANIMSC_neuro|Apoe4_
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400
500
600
700
800
900
1000
1100


COV_CATANIMSC_neuro|GDTOTAL_gds
ESS = 93.1 | BMK = 0.146 | MCSE(6.27) = 6.18 | stat: FALSE | burn: 0
COV_CATANIMSC_neuro|GDTOTAL_gds
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
0
100
200
300
400
500
600
700
800
900
1000
1100


COV_CATANIMSC_neuro|ANARTERR_neuro
ESS = 1020 | BMK = 0.0514 | MCSE(6.27) = 4.07 | stat: TRUE | burn: 0
COV_CATANIMSC_neuro|ANARTERR_neuro
0
−5
−10
−15
−20
−25
−30
−35
0
100
200
300
400
500
600
700
800
900
1000
1100


COV_Apoe4_|GDTOTAL_gds
ESS = 908 | BMK = 0.0703 | MCSE(6.27) = 3.75 | stat: TRUE | burn: 0
COV_Apoe4_|GDTOTAL_gds
0.12
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08
0
100
200
300
400
500
600
700
800
900
1000
1100


COV_Apoe4_|ANARTERR_neuro
ESS = 1020 | BMK = 0.0526 | MCSE(6.27) = 4.1 | stat: FALSE | burn: 0
COV_Apoe4_|ANARTERR_neuro
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
0
100
200
300
400
500
600
700
800
900
1000
1100


COV_GDTOTAL_gds|ANARTERR_neuro
ESS = 1020 | BMK = 0.0492 | MCSE(6.27) = 2.9 | stat: TRUE | burn: 0
COV_GDTOTAL_gds|ANARTERR_neuro
3
2
1
0
−1
−2
−3
−4
0
100
200
300
400
500
600
700
800
900
1000
1100