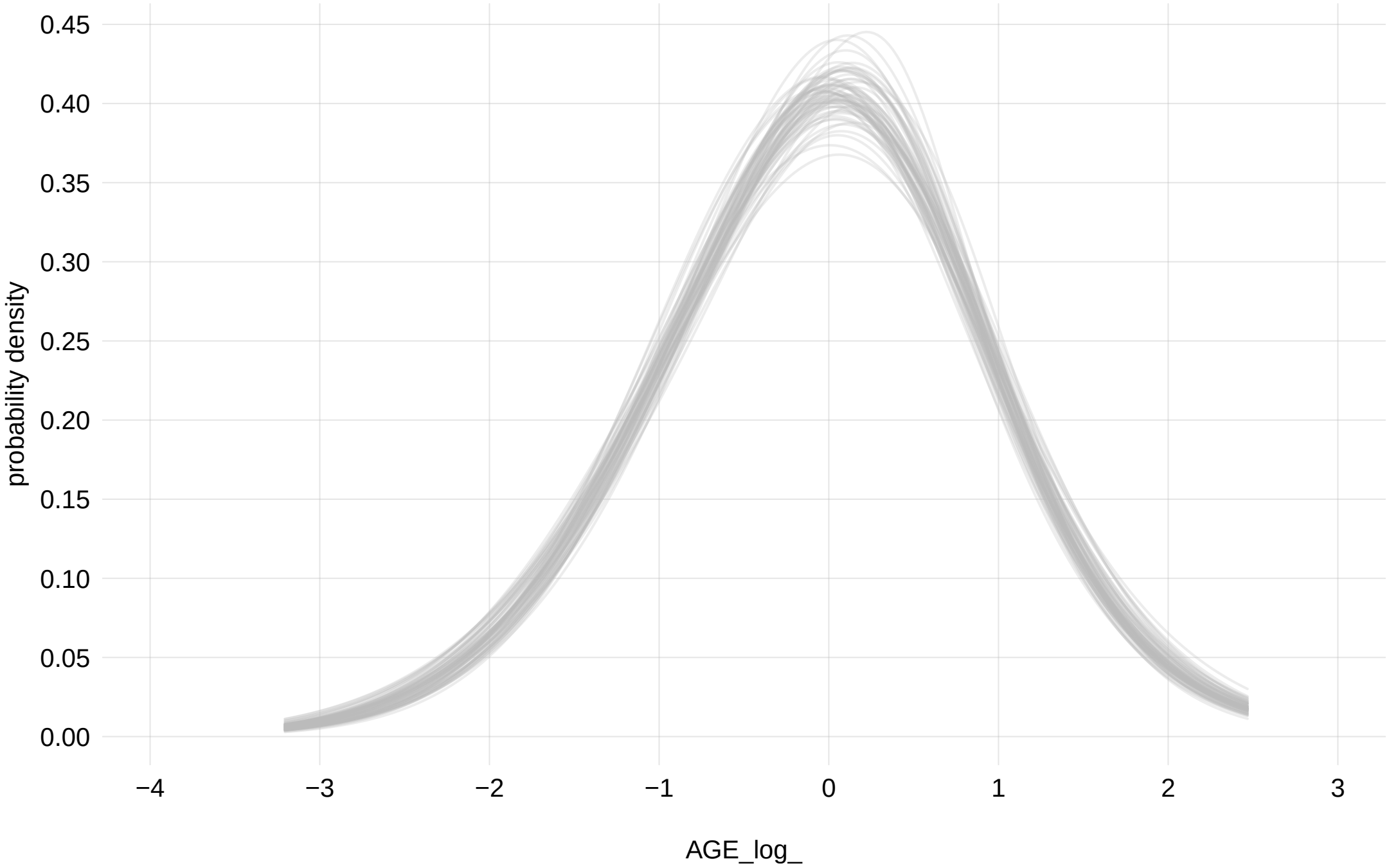
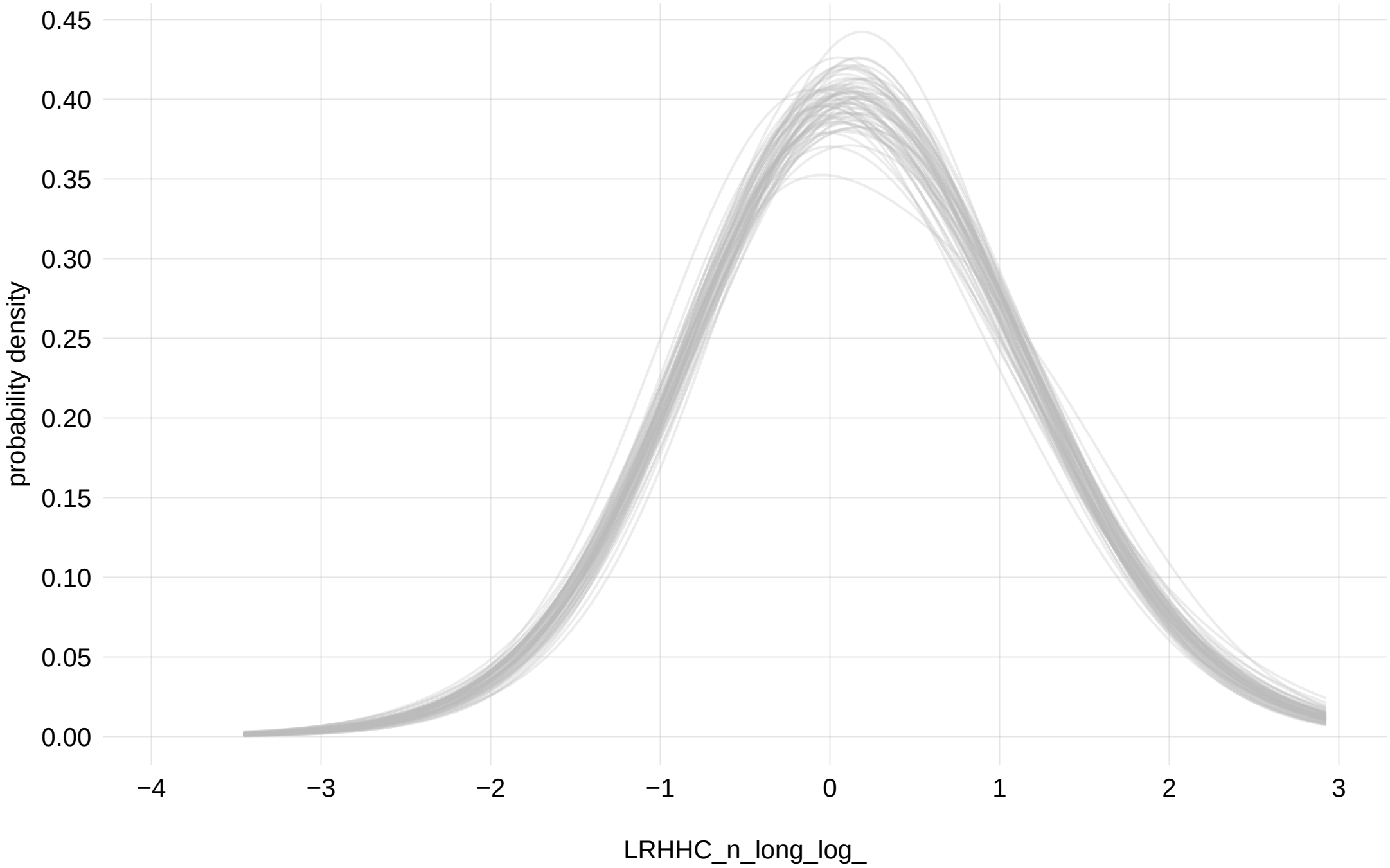
−− STATS maxD −−
min ESS = 2.2044604925031e−16
max BMK = 0.607535439421492
max MCSE = NaN
all stationary: FALSE
burn: 306

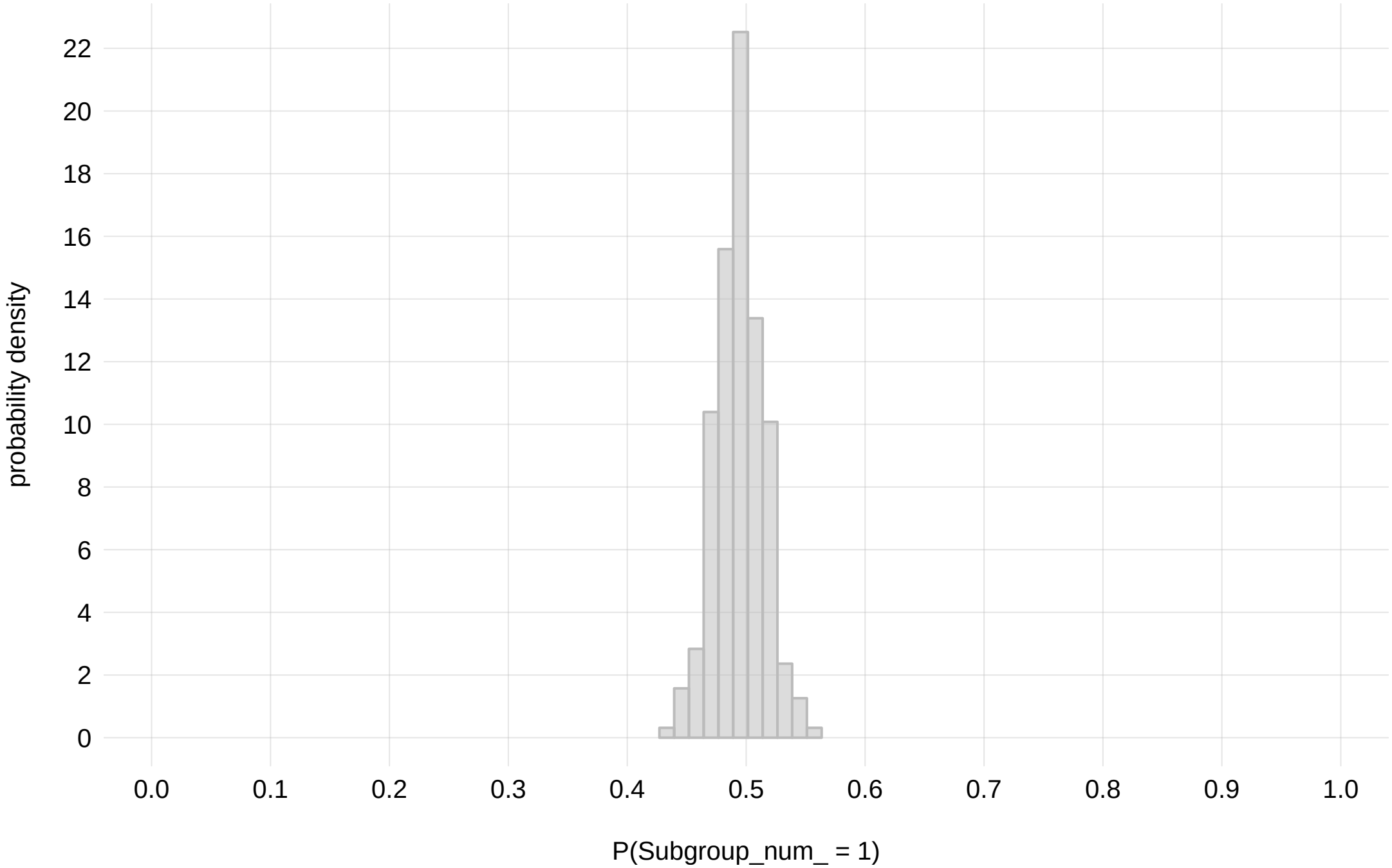
−− STATS 2D −−
min ESS = 146.721194508477
max BMK = 0.182453383629262
max MCSE = 5.9415366637069
all stationary: FALSE
burn: 0

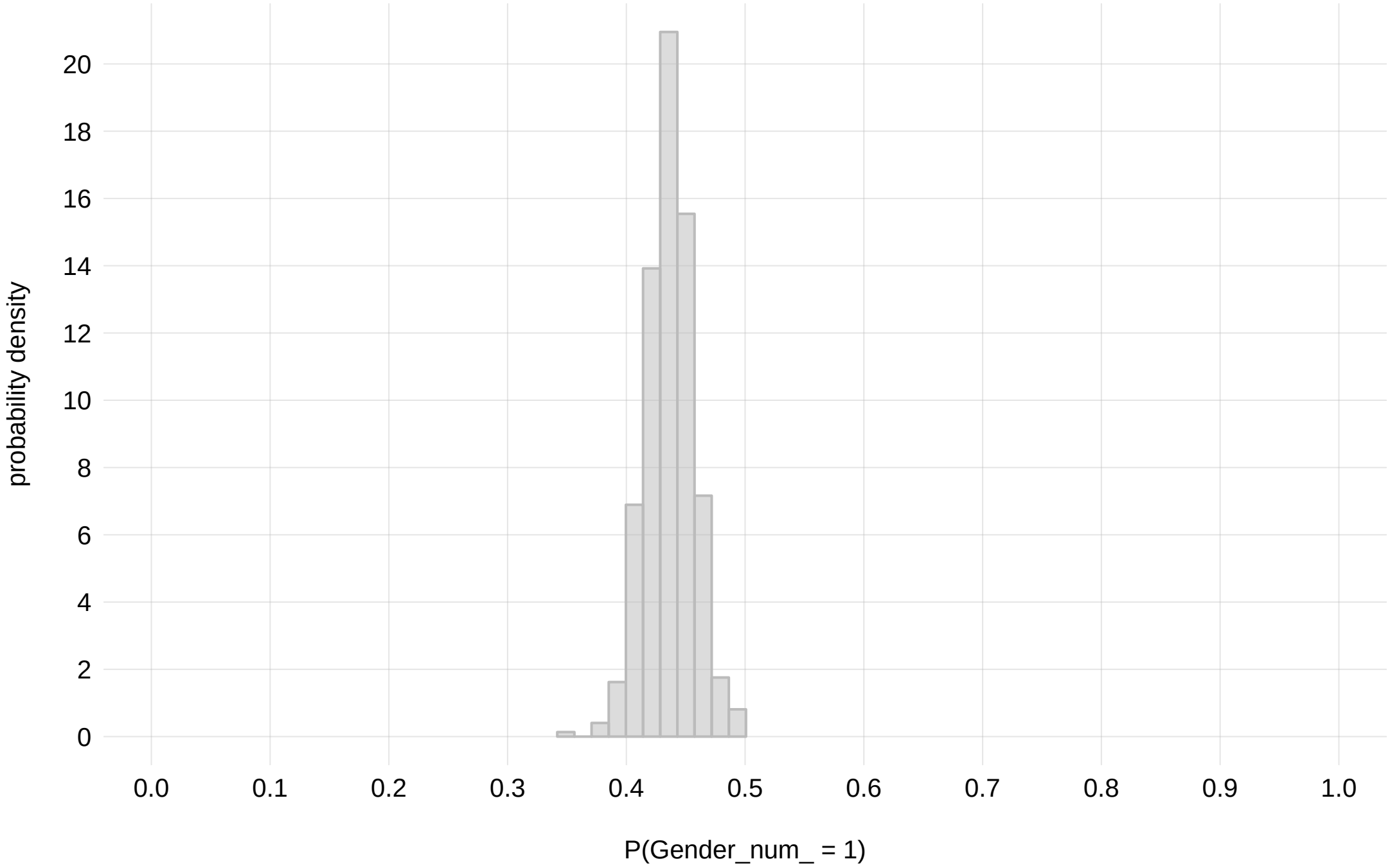
−− STATS 1D −−
min ESS = 212.163678100741
max BMK = 0.141697203292481
max MCSE = 6.71579829942401
all stationary: FALSE
burn: 0

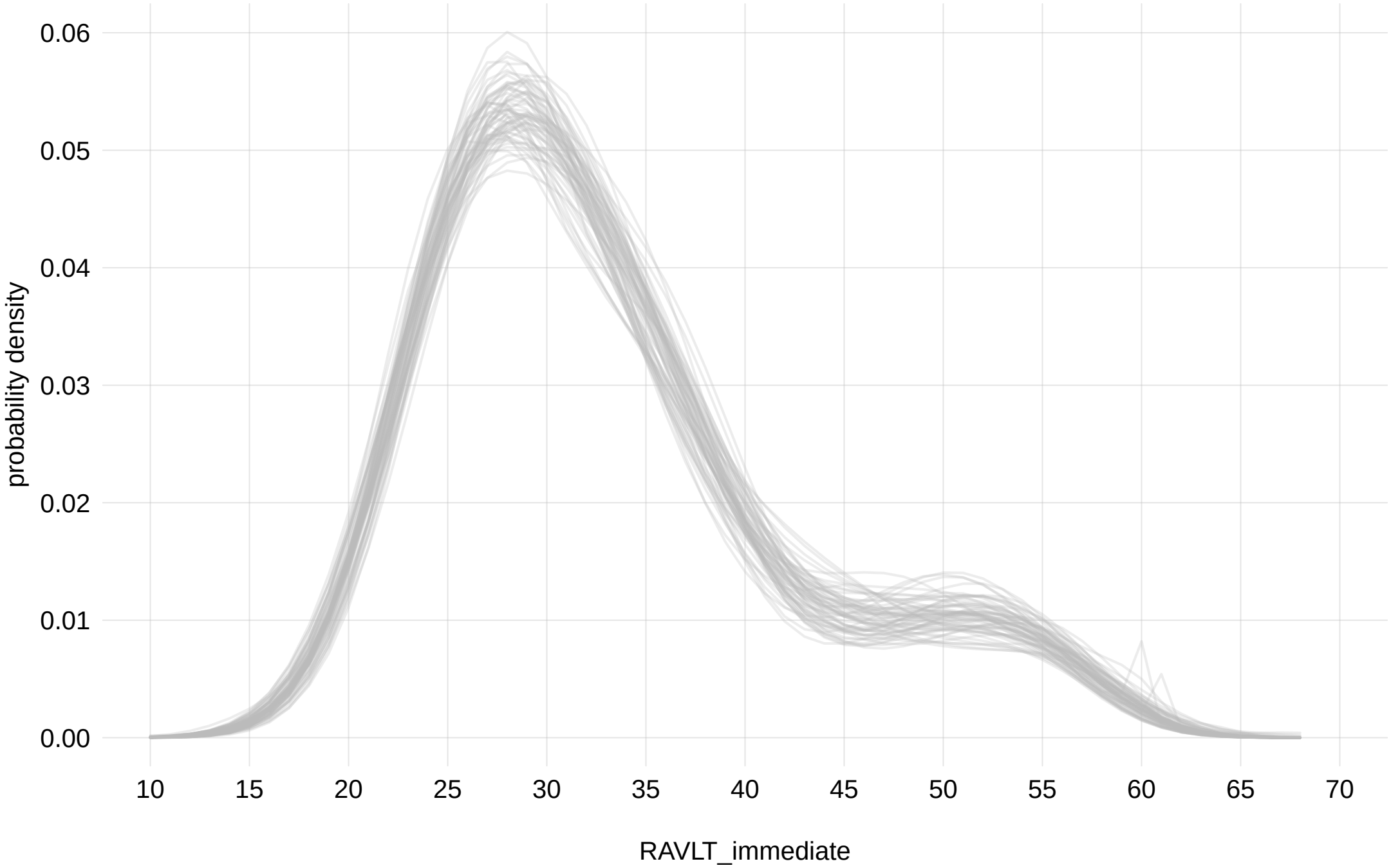
Occupied clusters: 32 of 32
LL: −16900 +− 66.6

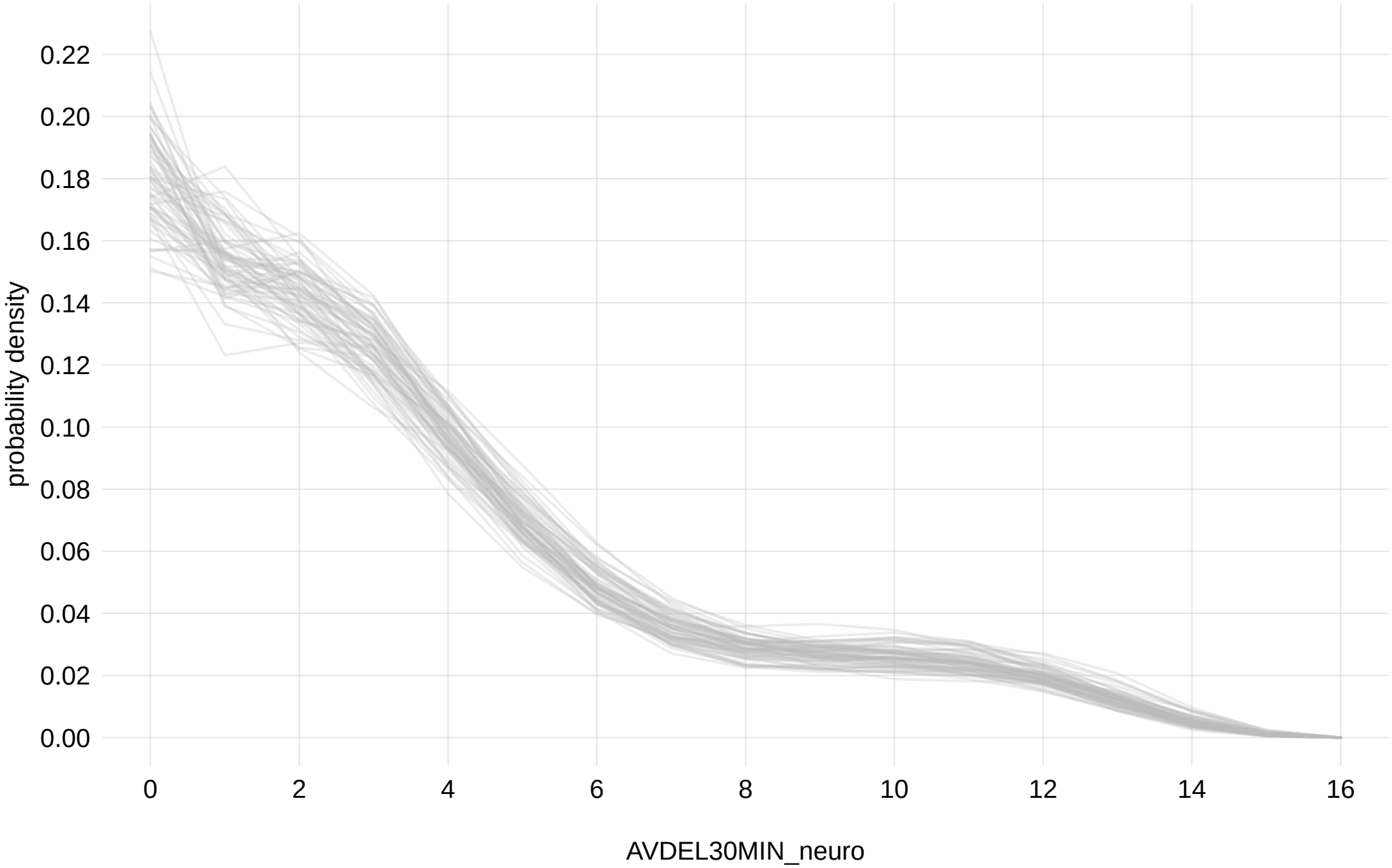

0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
probability density
−4
−3
−2
−1
0
1
2
3
AGE_log_

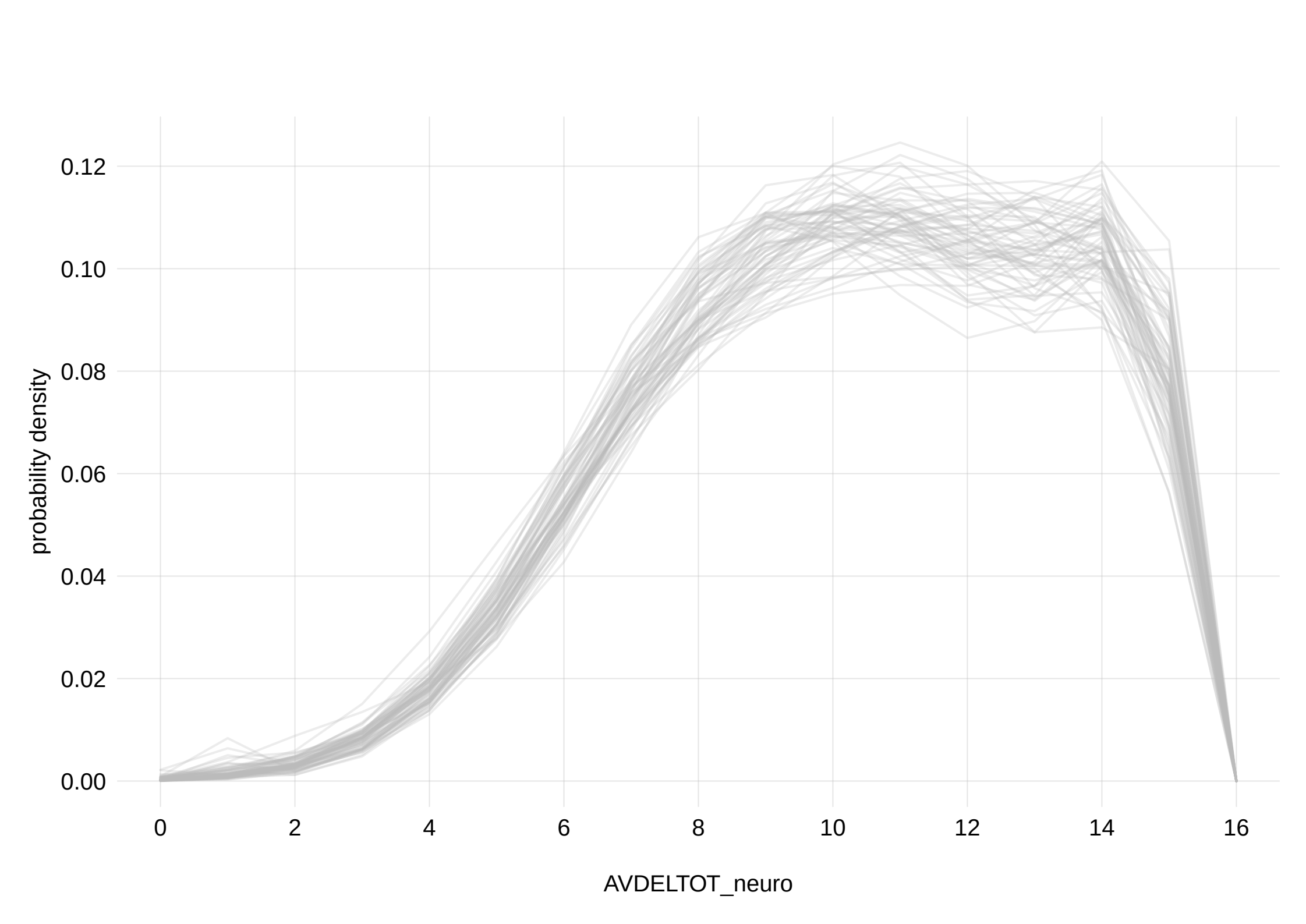

0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
probability density
−4
−3
−2
−1
0
1
2
3
LRHHC_n_long_log_

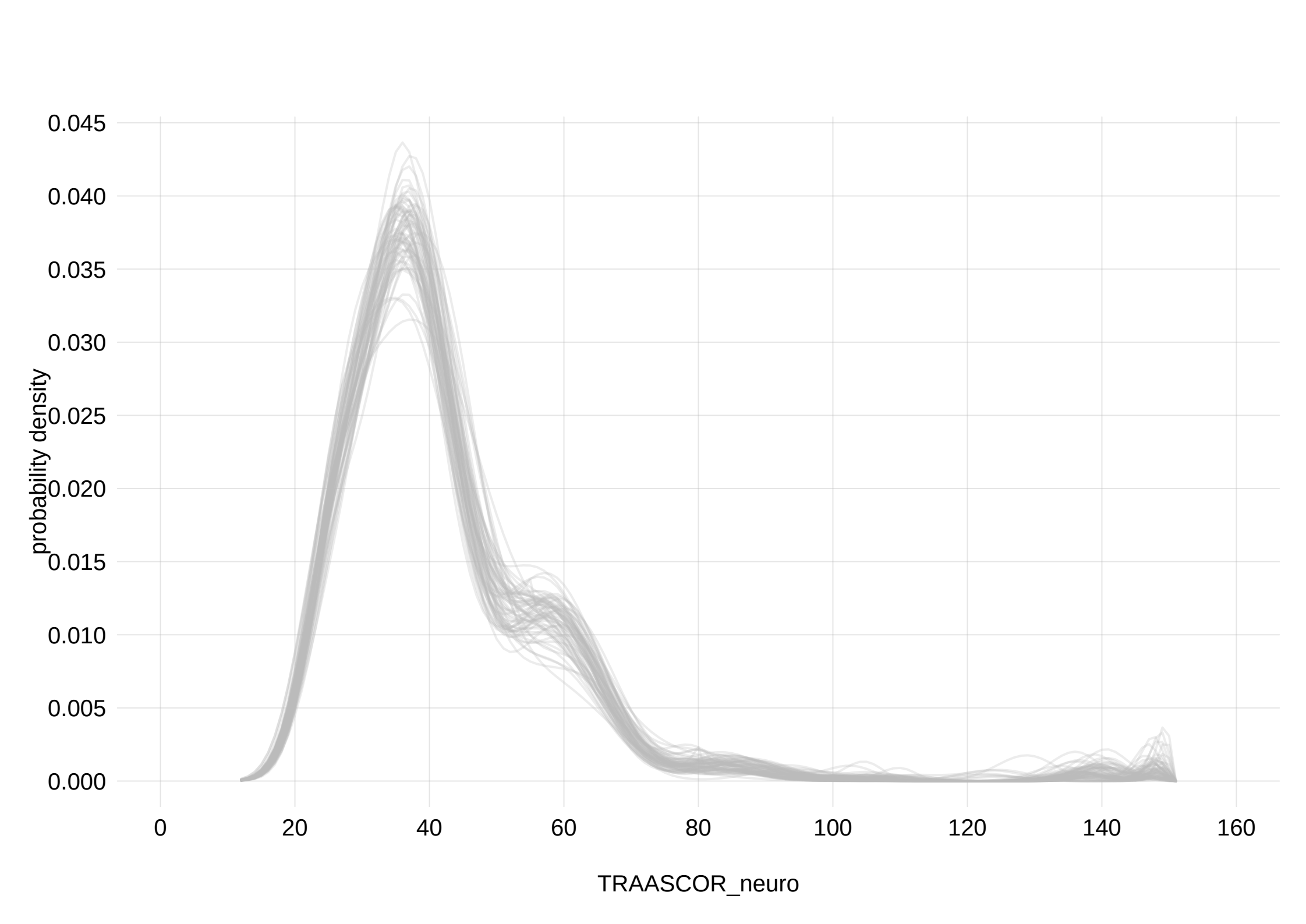

probability density
22
20
18
16
14
12
10
8
6
4
2
0
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
P(Subgroup_num_ = 1)

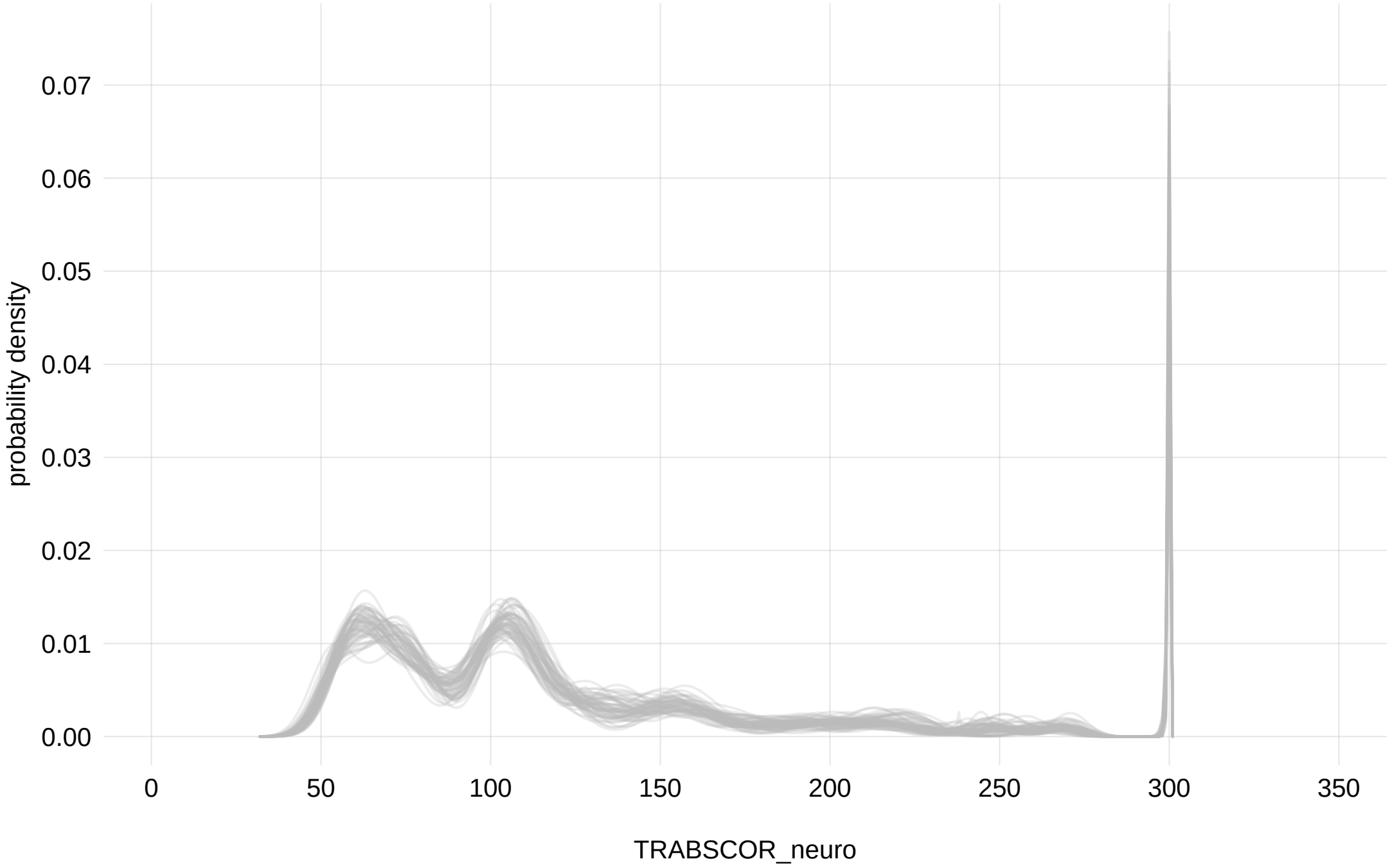

probability density
20
18
16
14
12
10
8
6
4
2
0
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
P(Gender_num_ = 1)

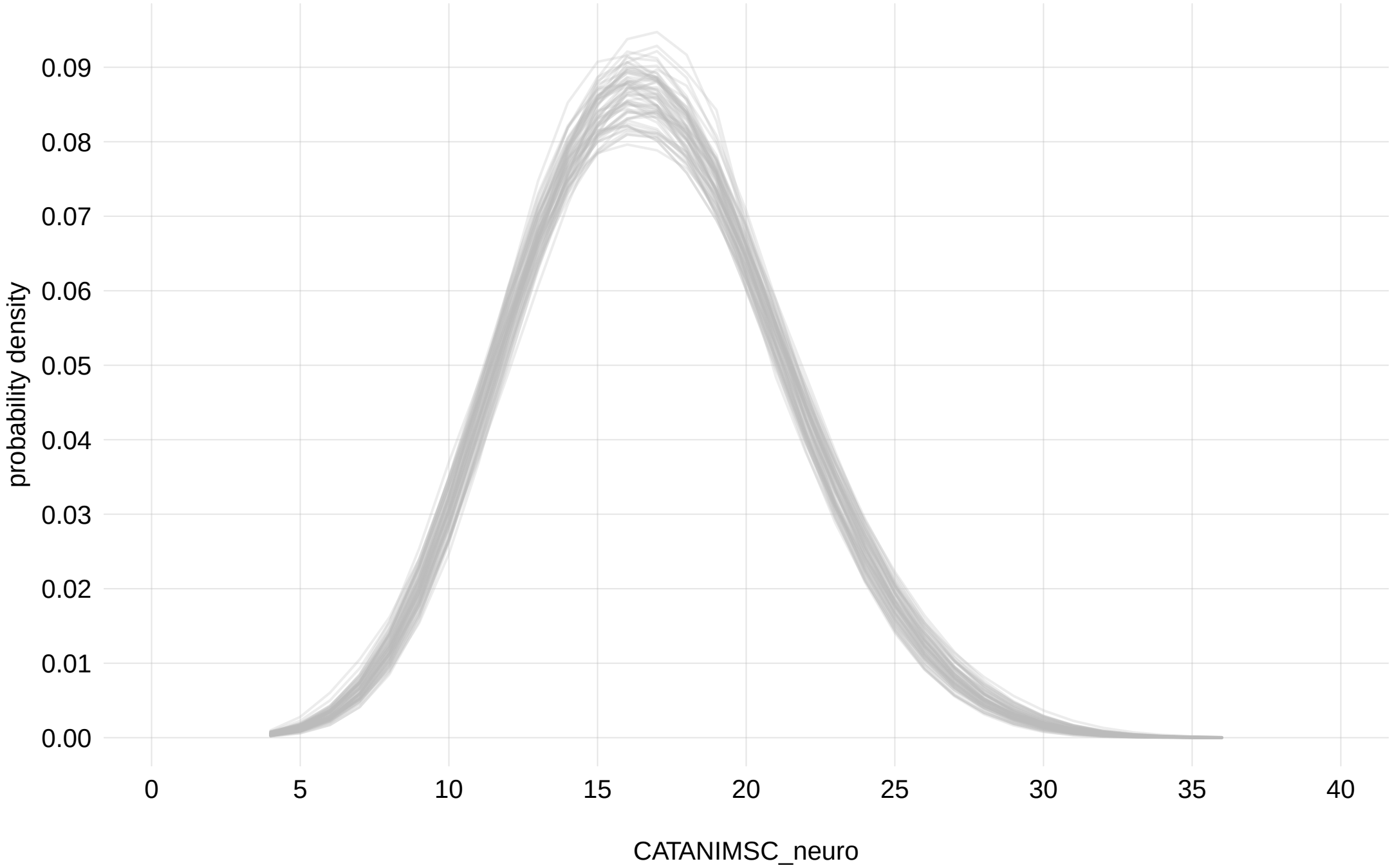

0.06
0.05
0.04
0.03
0.02
0.01
0.00
probability density
10
15
20
25
30
35
40
45
50
55
60
65
70
RAVLT_immediate

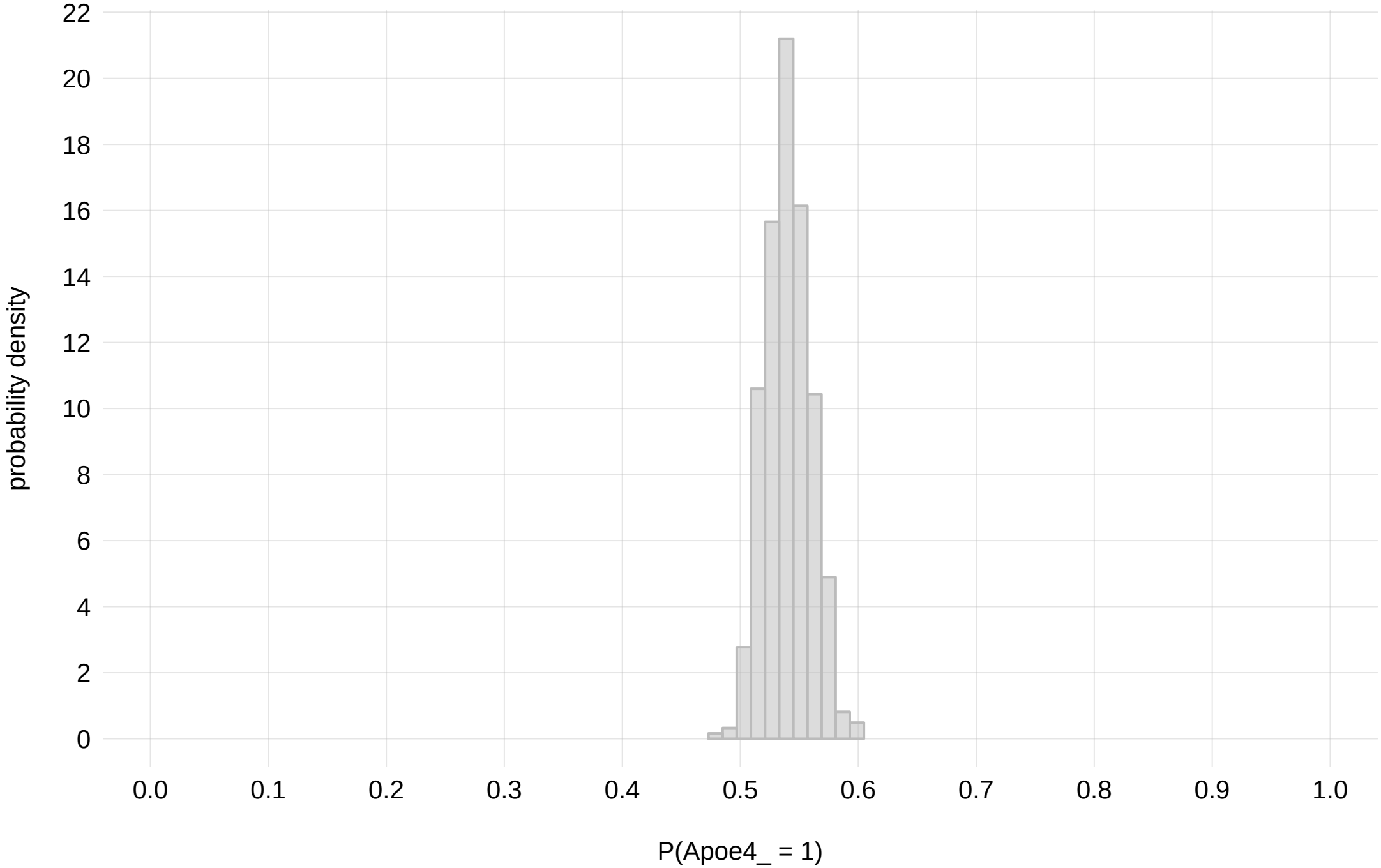

0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
probability density
0
2
4
6
8
10
12
14
16
AVDEL30MIN_neuro

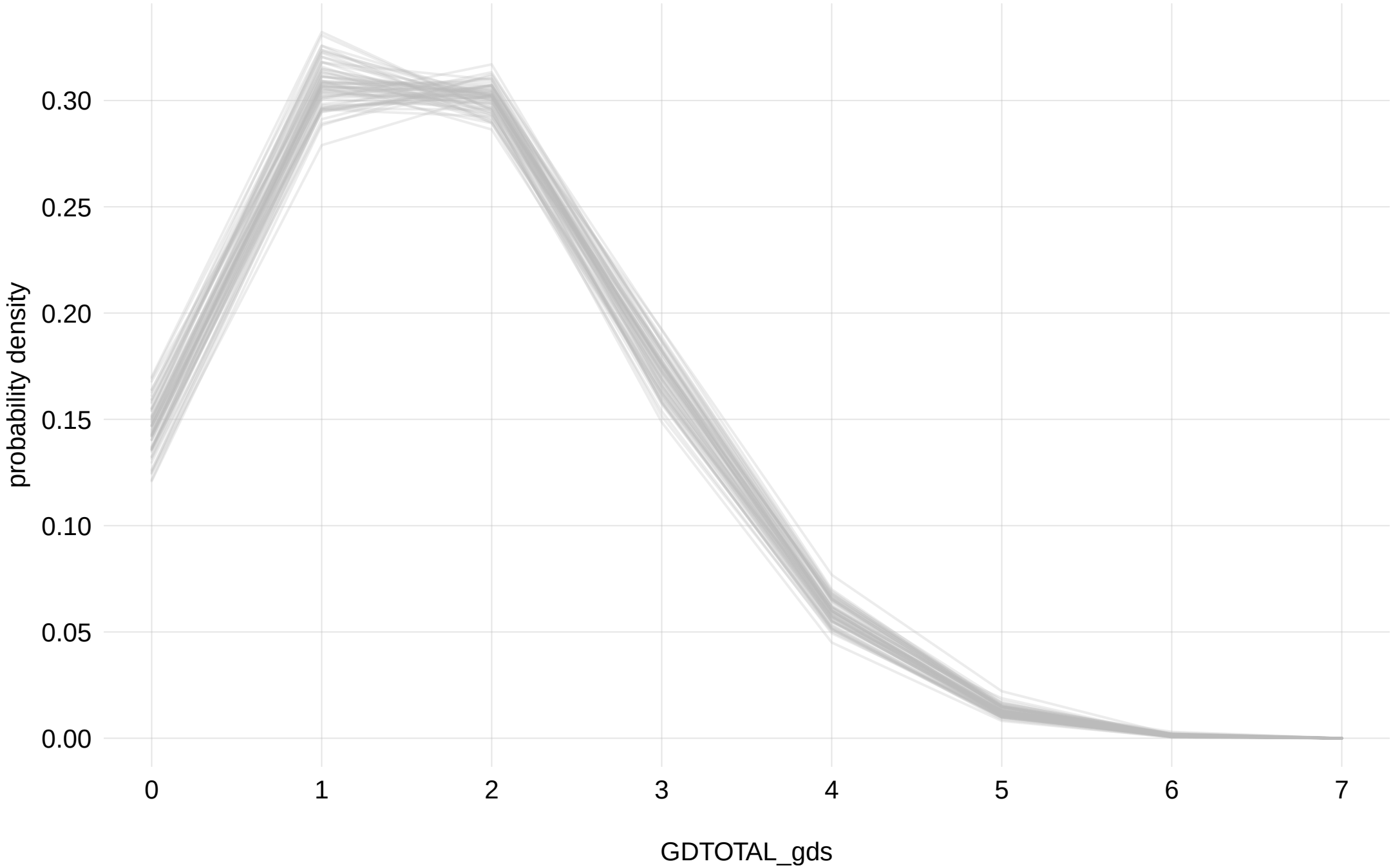

0.12
0.10
0.08
0.06
0.04
0.02
0.00
probability density
0
2
4
6
8
10
12
14
16
AVDELTOT_neuro

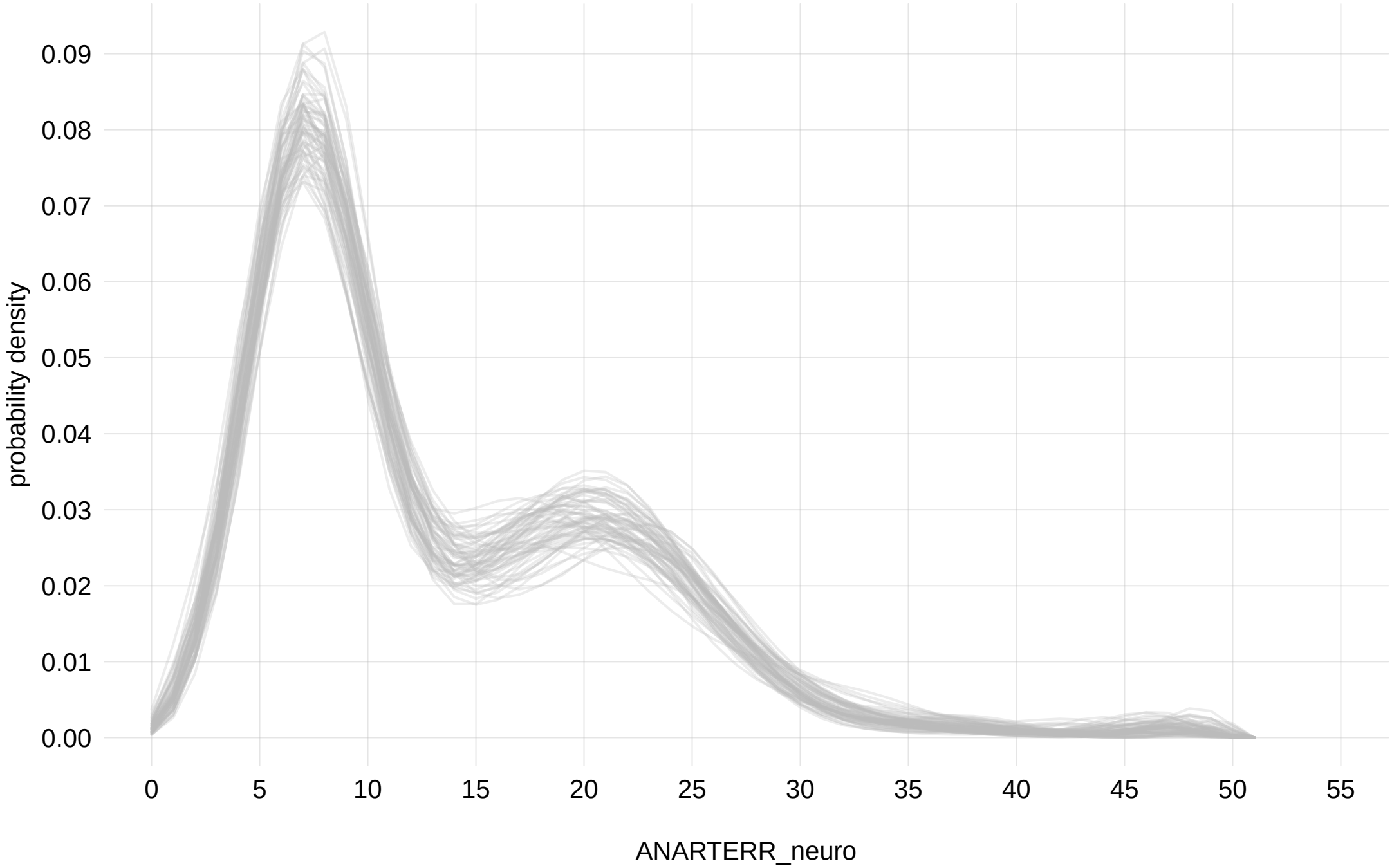

0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
probability density
0
20
40
60
80
100
120
140
160
TRAASCOR_neuro

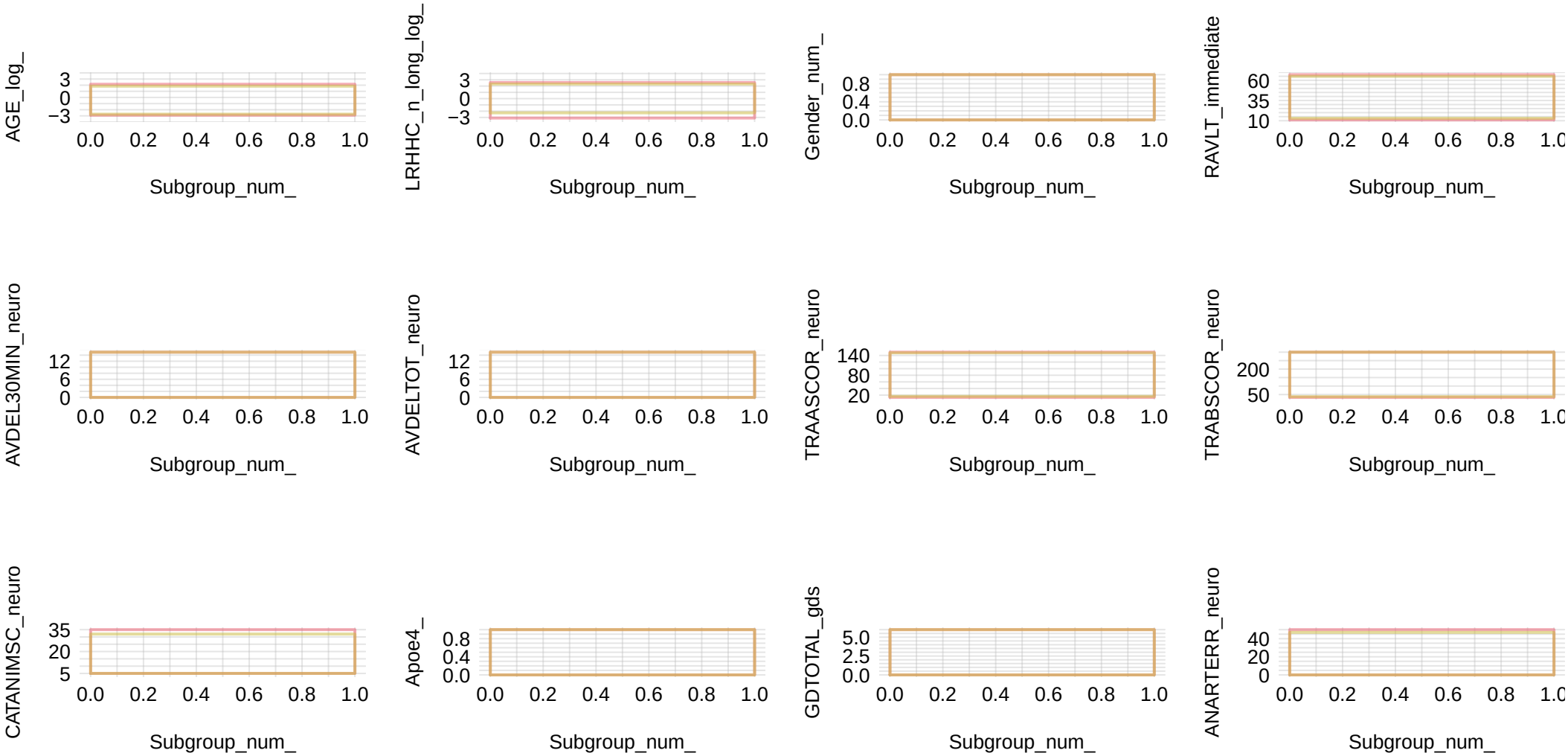

0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
probability density
0
50
100
150
200
250
300
350
TRABSCOR_neuro

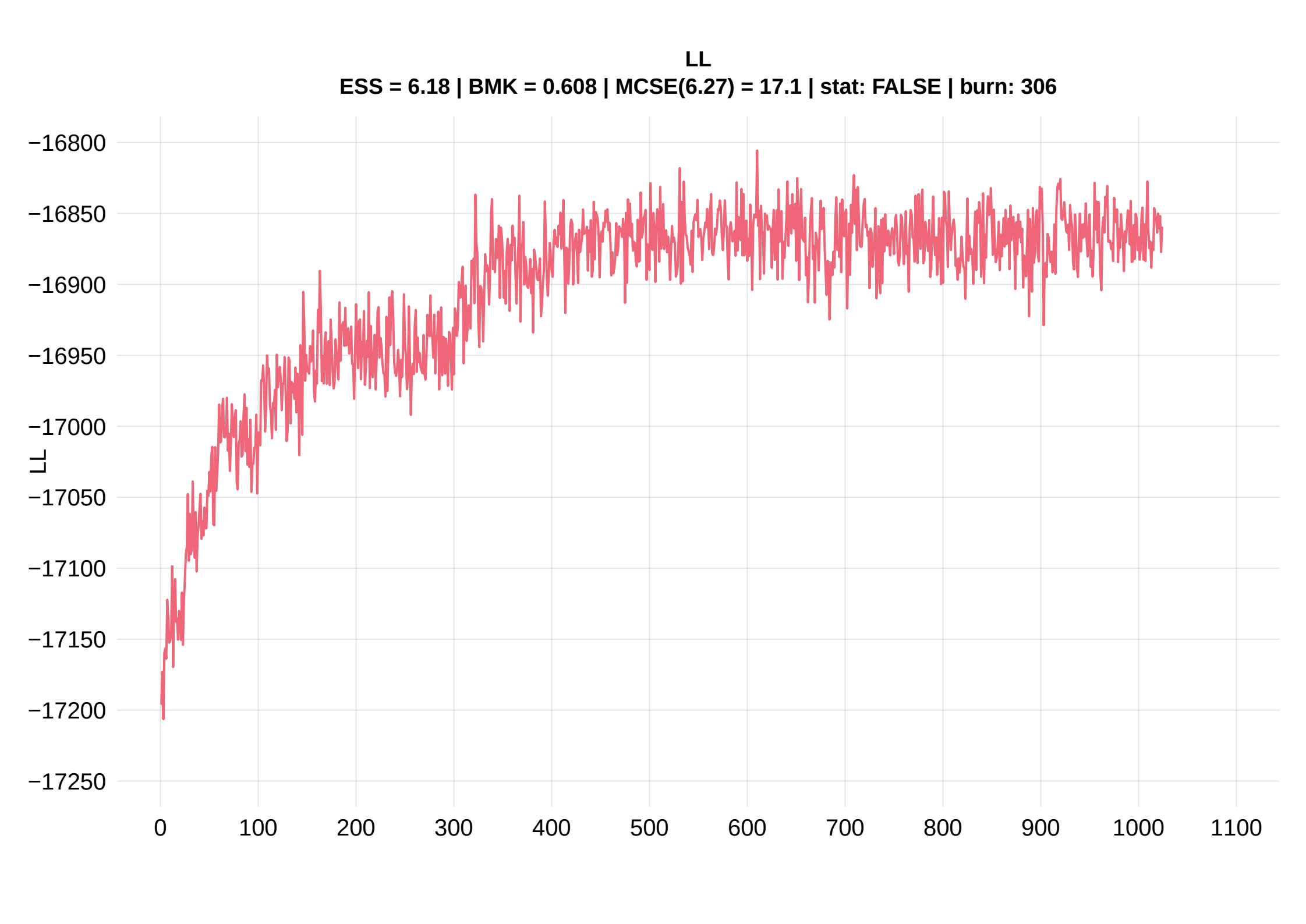

probability density
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0
5
10
15
20
25
30
35
40
CATANIMSC_neuro

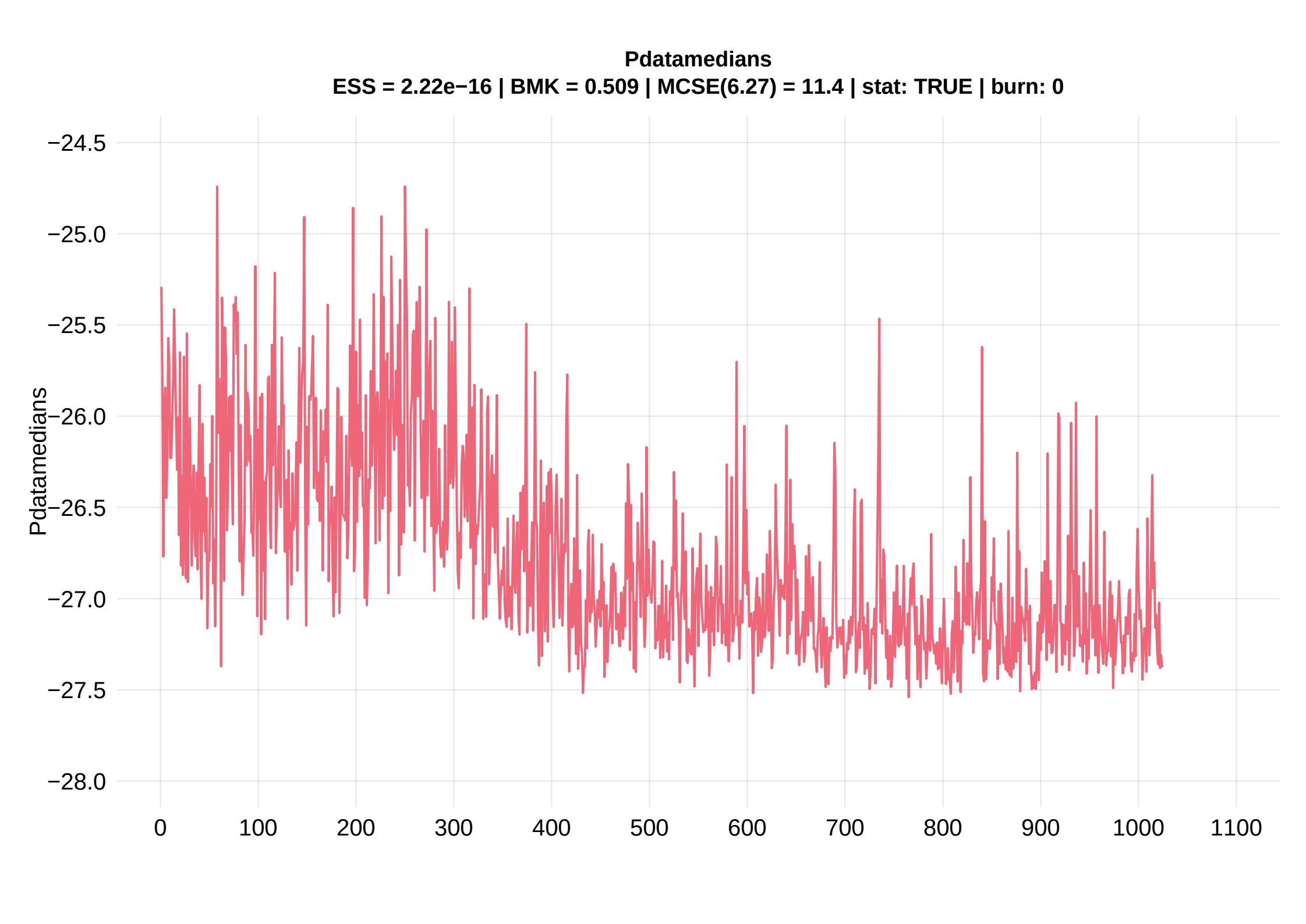

probability density
22
20
18
16
14
12
10
8
6
4
2
0
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
P(Apoe4_ = 1)

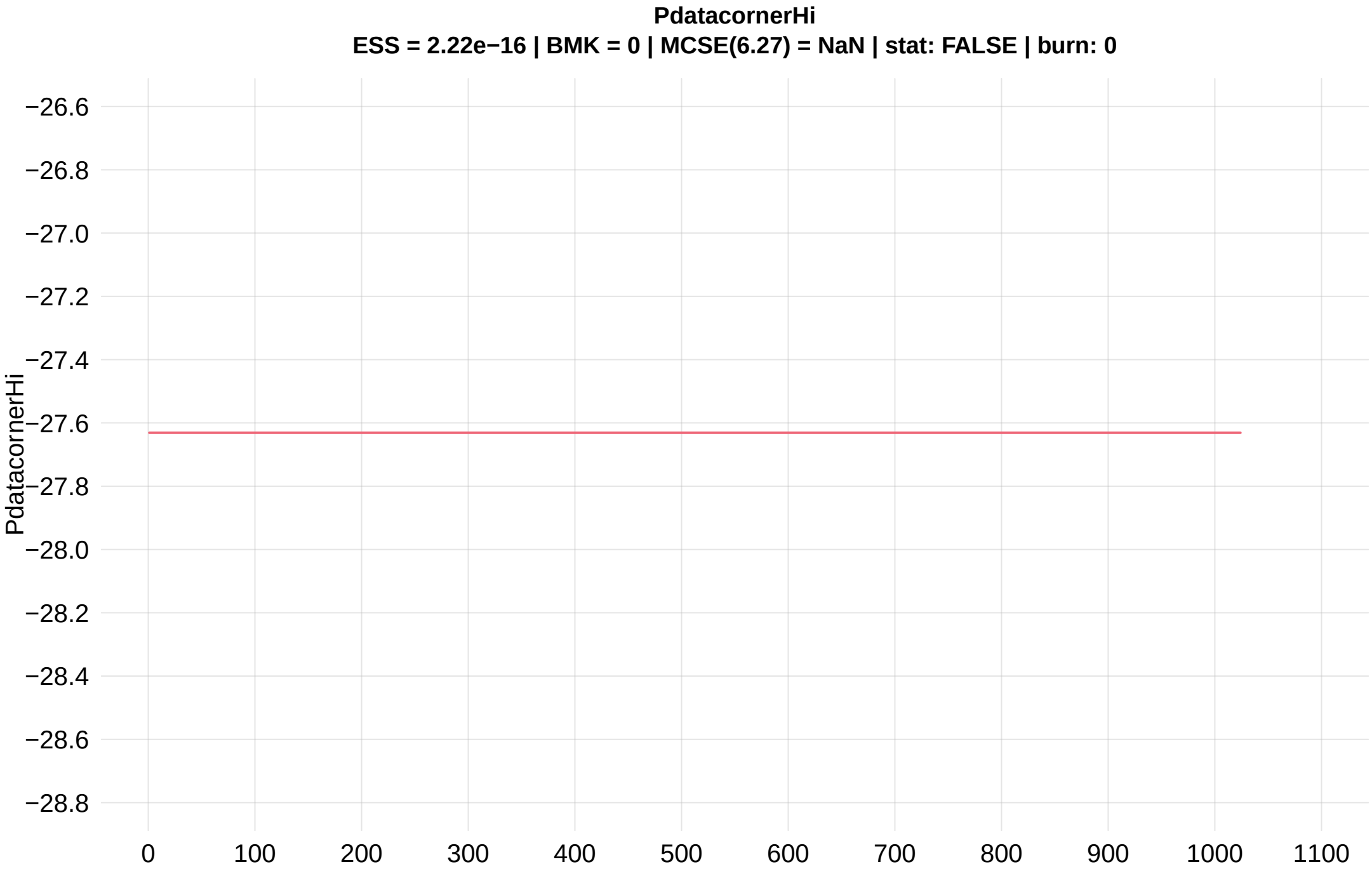

0.30
0.25
0.20
0.15
0.10
0.05
0.00
probability density
0
1
2
3
4
5
6
7
GDTOTAL_gds

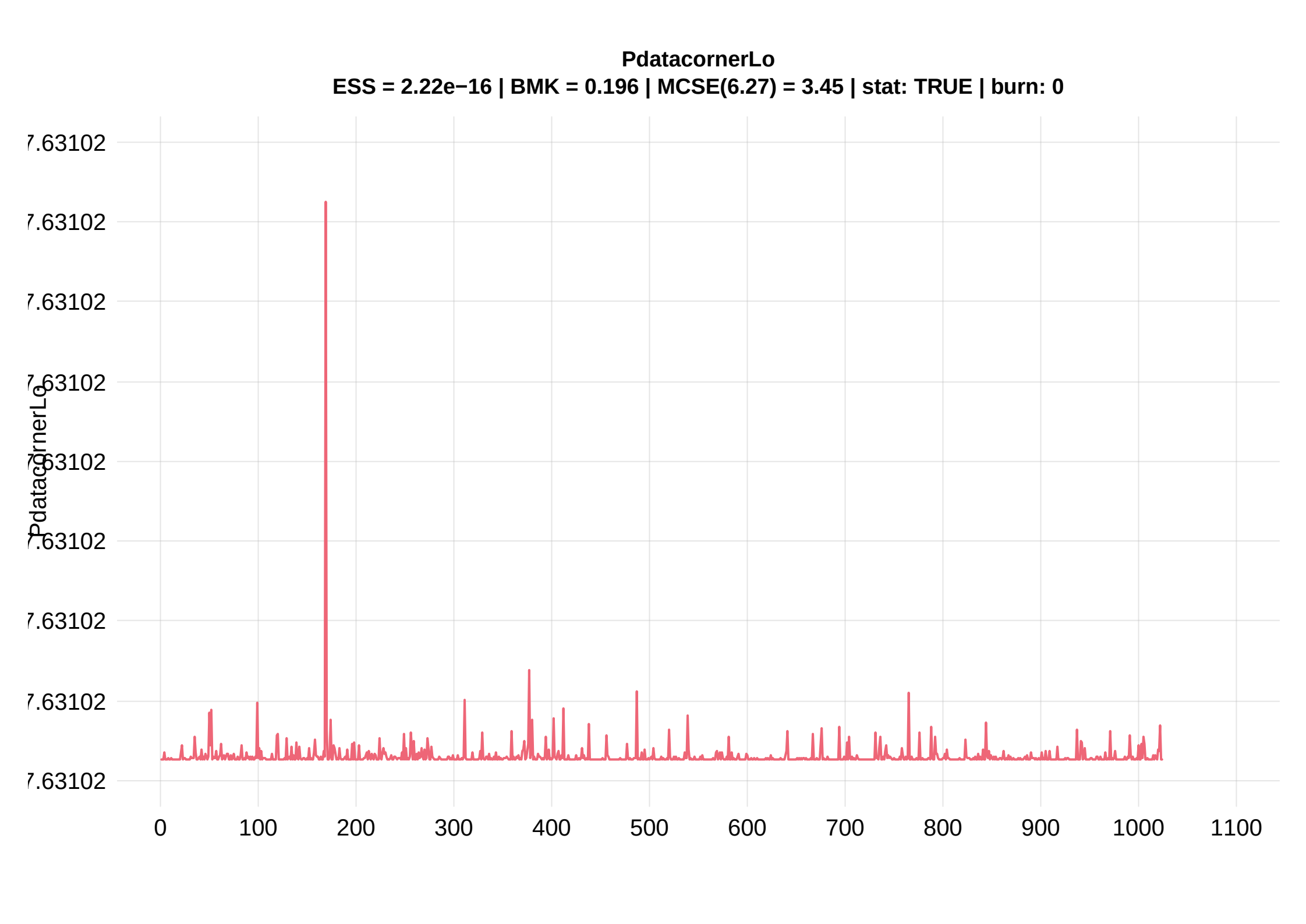

probability density
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0
5
10
15
20
25
30
35
40
45
50
55
ANARTERR_neuro

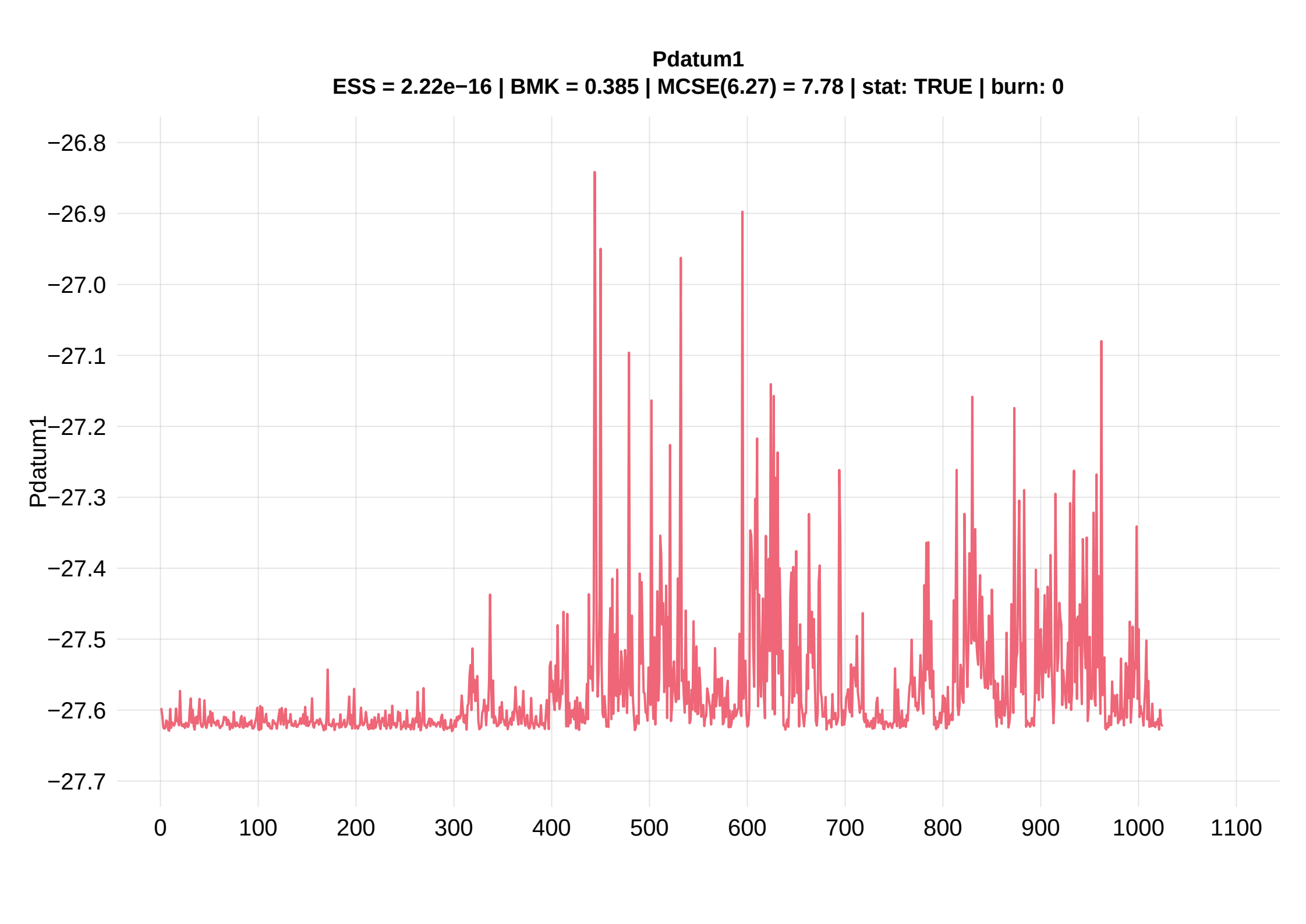

AGE_log_
3
0
−3
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
LRHHC_n_long_log_
3
0
−3
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
Gender_num_
0.8
0.4
0.0
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
RAVLT_immediate
60
35
10
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
AVDEL30MIN_neuro
12
6
0
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
AVDELTOT_neuro
12
6
0
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
TRAASCOR_neuro
140
80
20
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
TRABSCOR_neuro
200
50
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
CATANIMSC_neuro
35
20
5
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
Apoe4_
0.8
0.4
0.0
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
GDTOTAL_gds
5.0
2.5
0.0
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
ANARTERR_neuro
40
20
0
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_

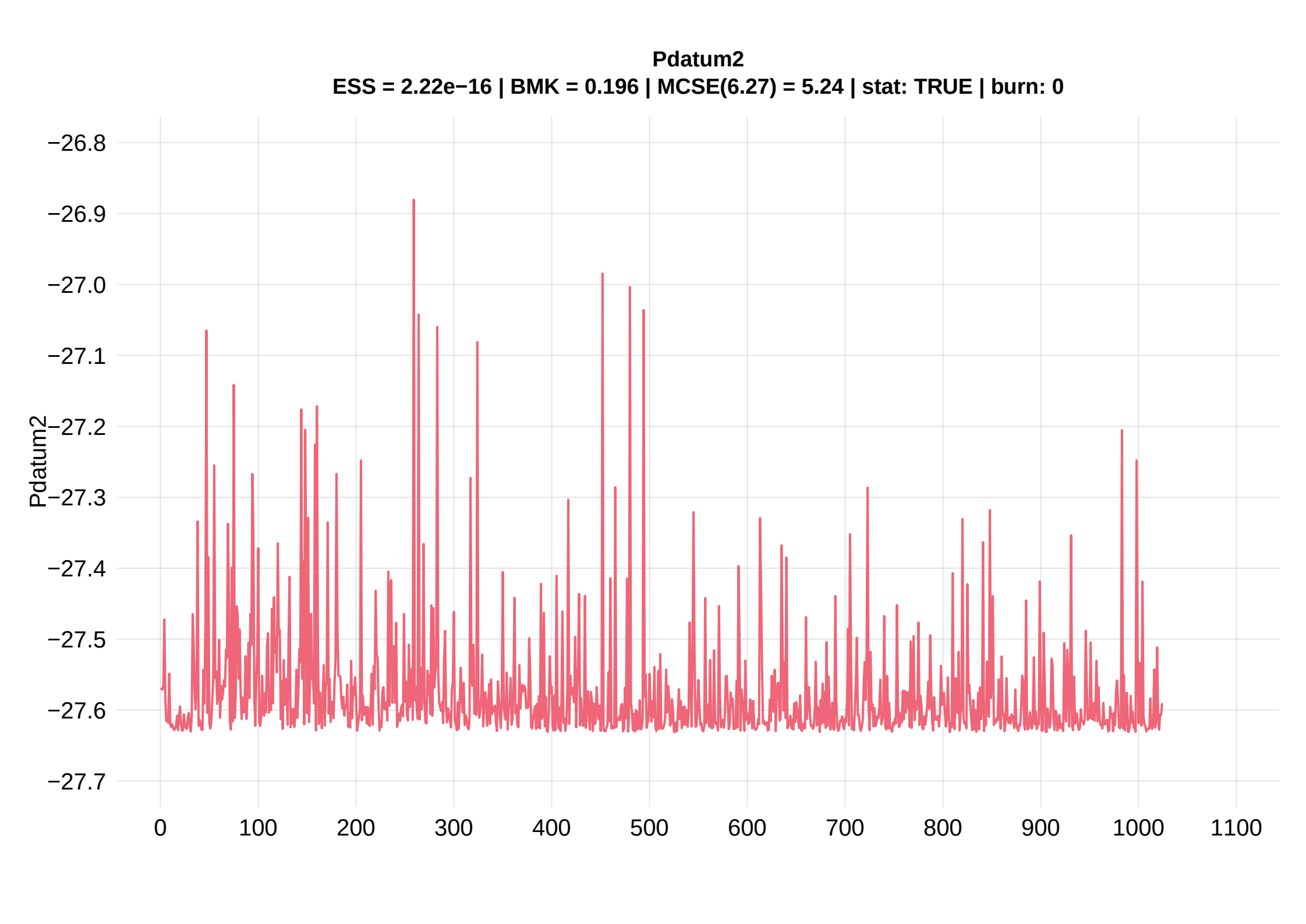

LL
ESS = 6.18 | BMK = 0.608 | MCSE(6.27) = 17.1 | stat: FALSE | burn: 306
−16800
−16850
−16900
−16950
−17000
−17050
−17100
−17150
−17200
−17250
LL
0
100
200
300
400
500
600
700
800
900
1000
1100

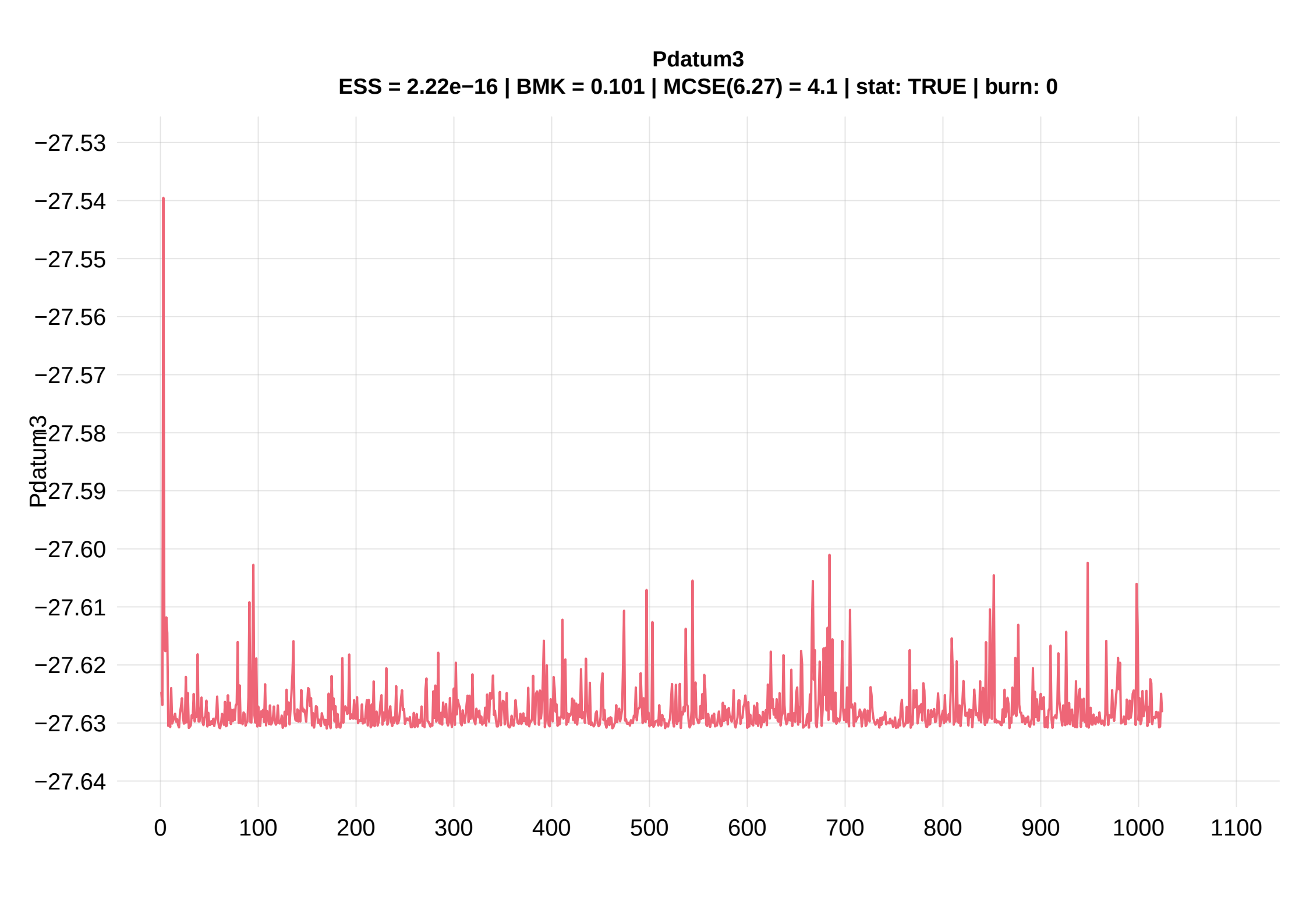

Pdatamedians
ESS = 2.22e−16 | BMK = 0.509 | MCSE(6.27) = 11.4 | stat: TRUE | burn: 0
Pdatamedians
−24.5
−25.0
−25.5
−26.0
−26.5
−27.0
−27.5
−28.0
0
100
200
300
400
500
600
700
800
900
1000
1100

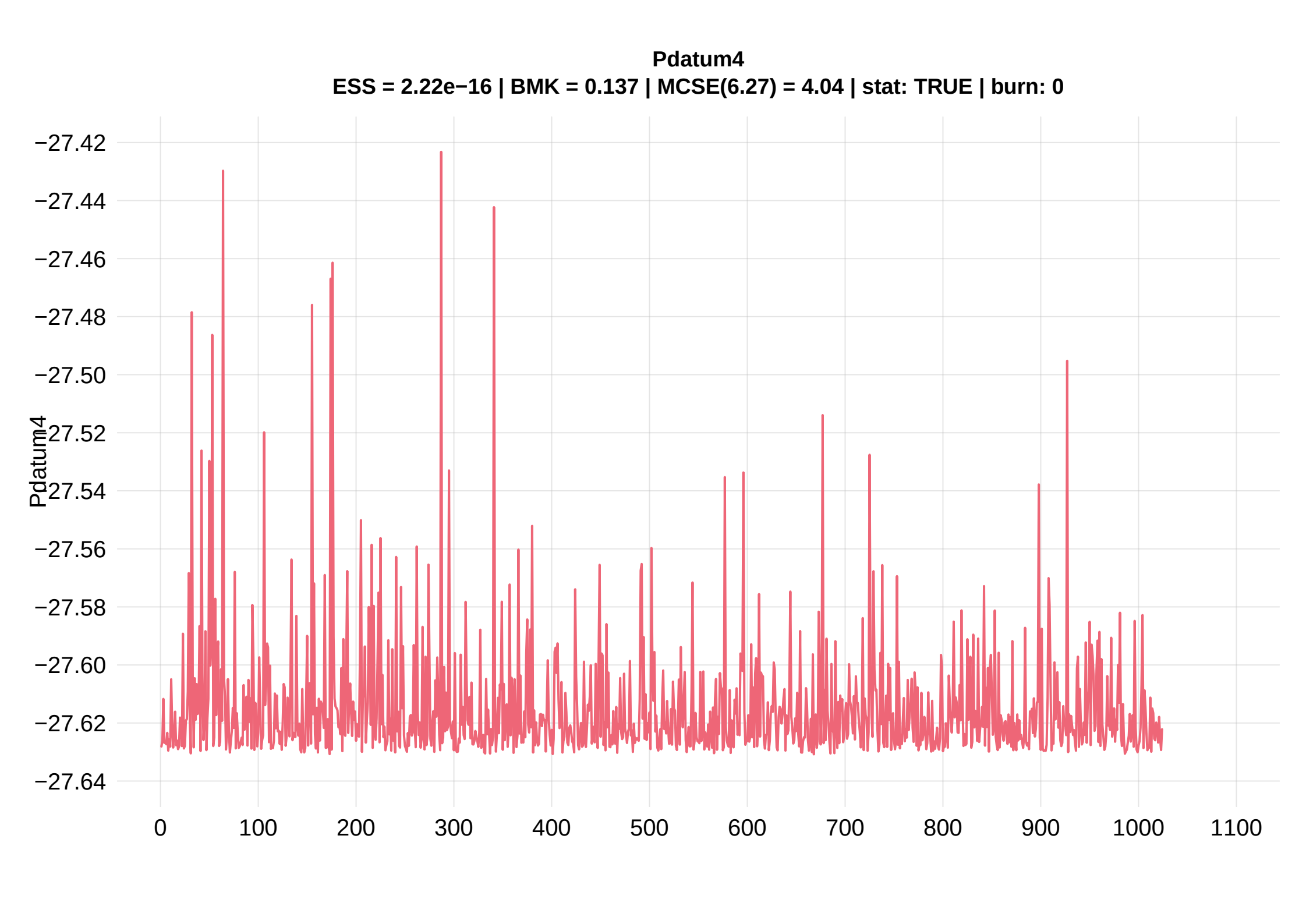

PdatacornerHi
ESS = 2.22e−16 | BMK = 0 | MCSE(6.27) = NaN | stat: FALSE | burn: 0
PdatacornerHi
−26.6
−26.8
−27.0
−27.2
−27.4
−27.6
−27.8
−28.0
−28.2
−28.4
−28.6
−28.8
0
100
200
300
400
500
600
700
800
900
1000
1100

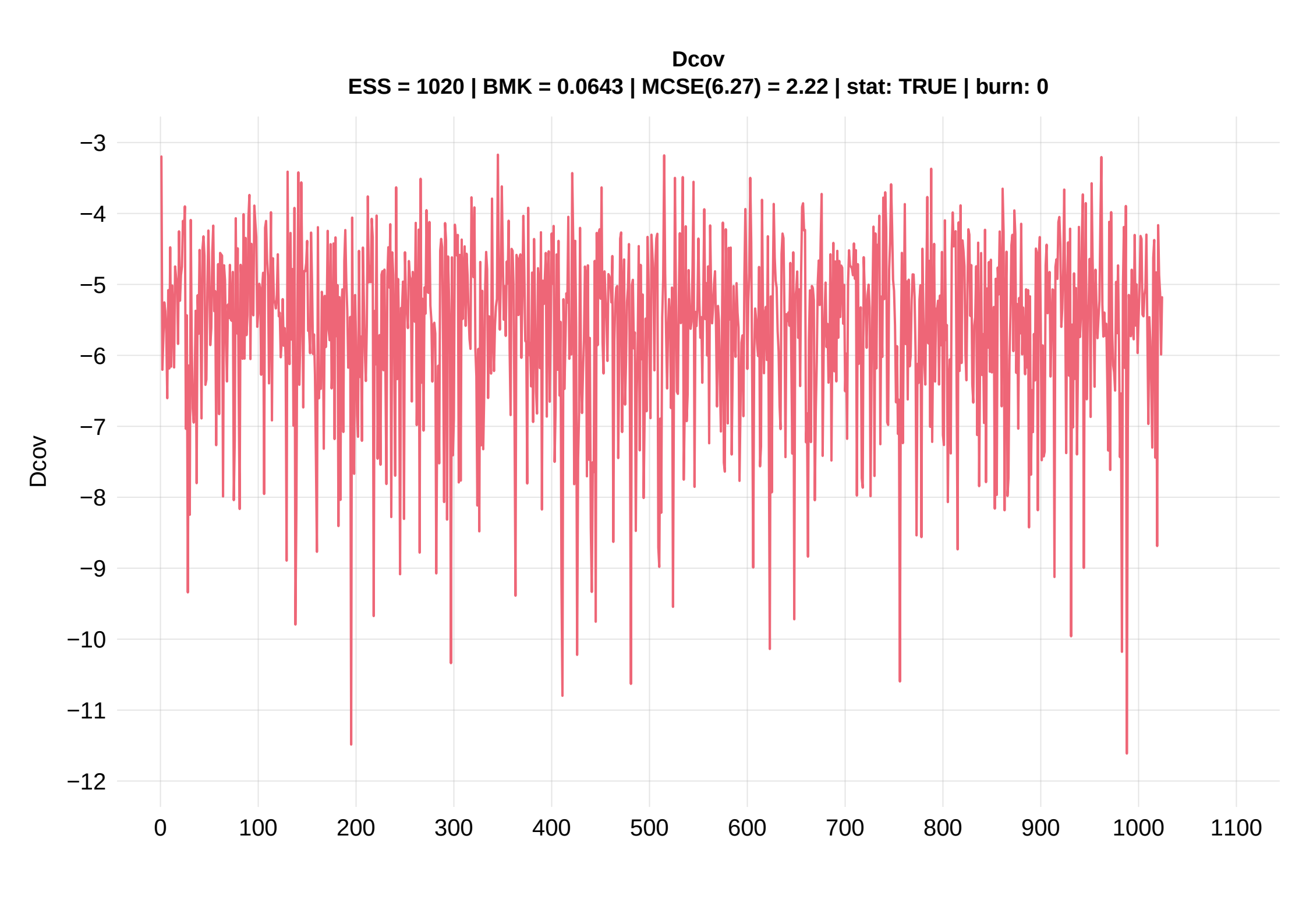

PdatacornerLo
ESS = 2.22e−16 | BMK = 0.196 | MCSE(6.27) = 3.45 | stat: TRUE | burn: 0
7.63102
7.63102
7.63102
7.63102
7.63102
7.63102
7.63102
7.63102
PdatacornerLo
0
100
200
300
400
500
600
700
800
900
1000
1100

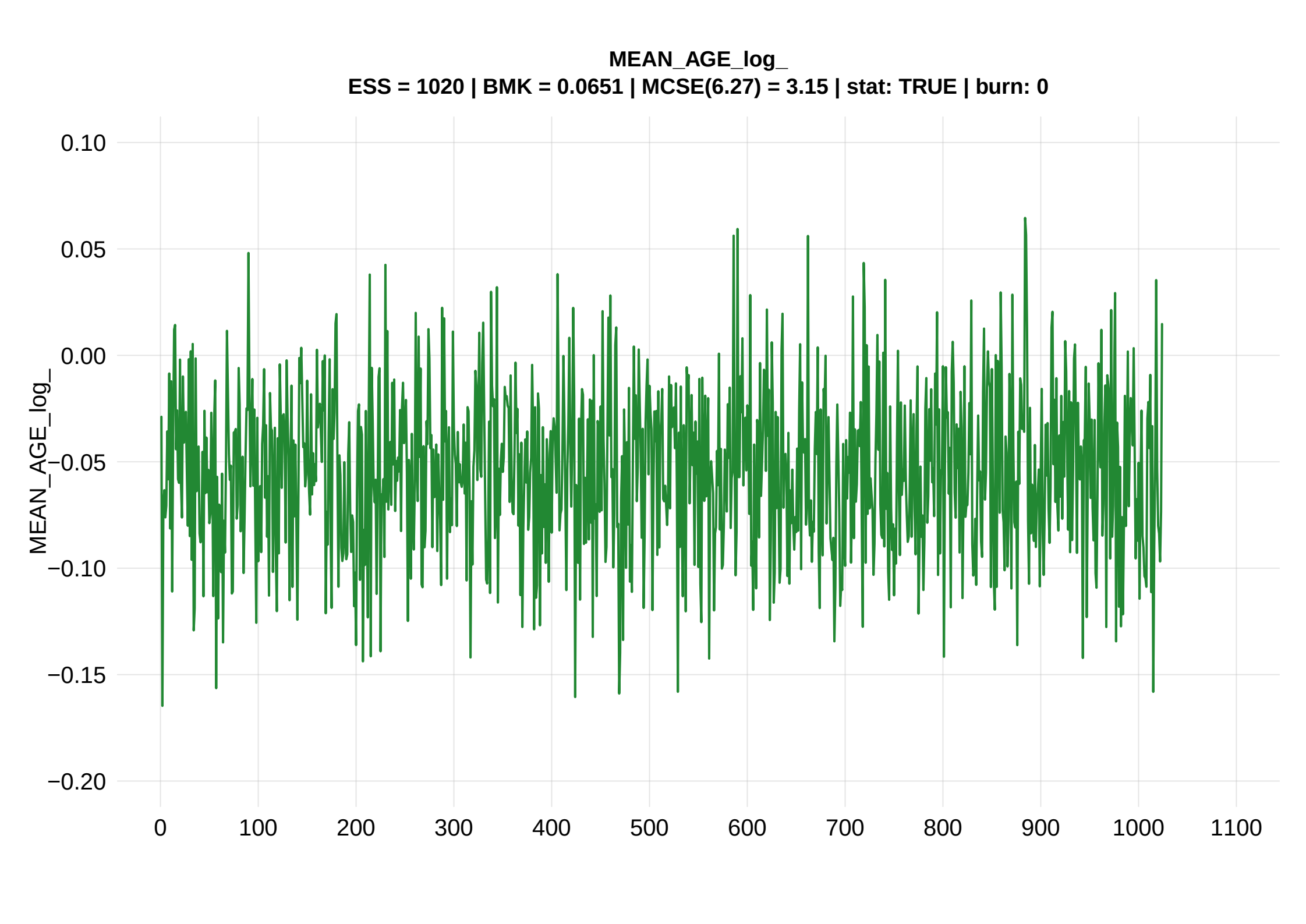

Pdatum1
ESS = 2.22e−16 | BMK = 0.385 | MCSE(6.27) = 7.78 | stat: TRUE | burn: 0
Pdatum1
−26.8
−26.9
−27.0
−27.1
−27.2
−27.3
−27.4
−27.5
−27.6
−27.7
0
100
200
300
400
500
600
700
800
900
1000
1100

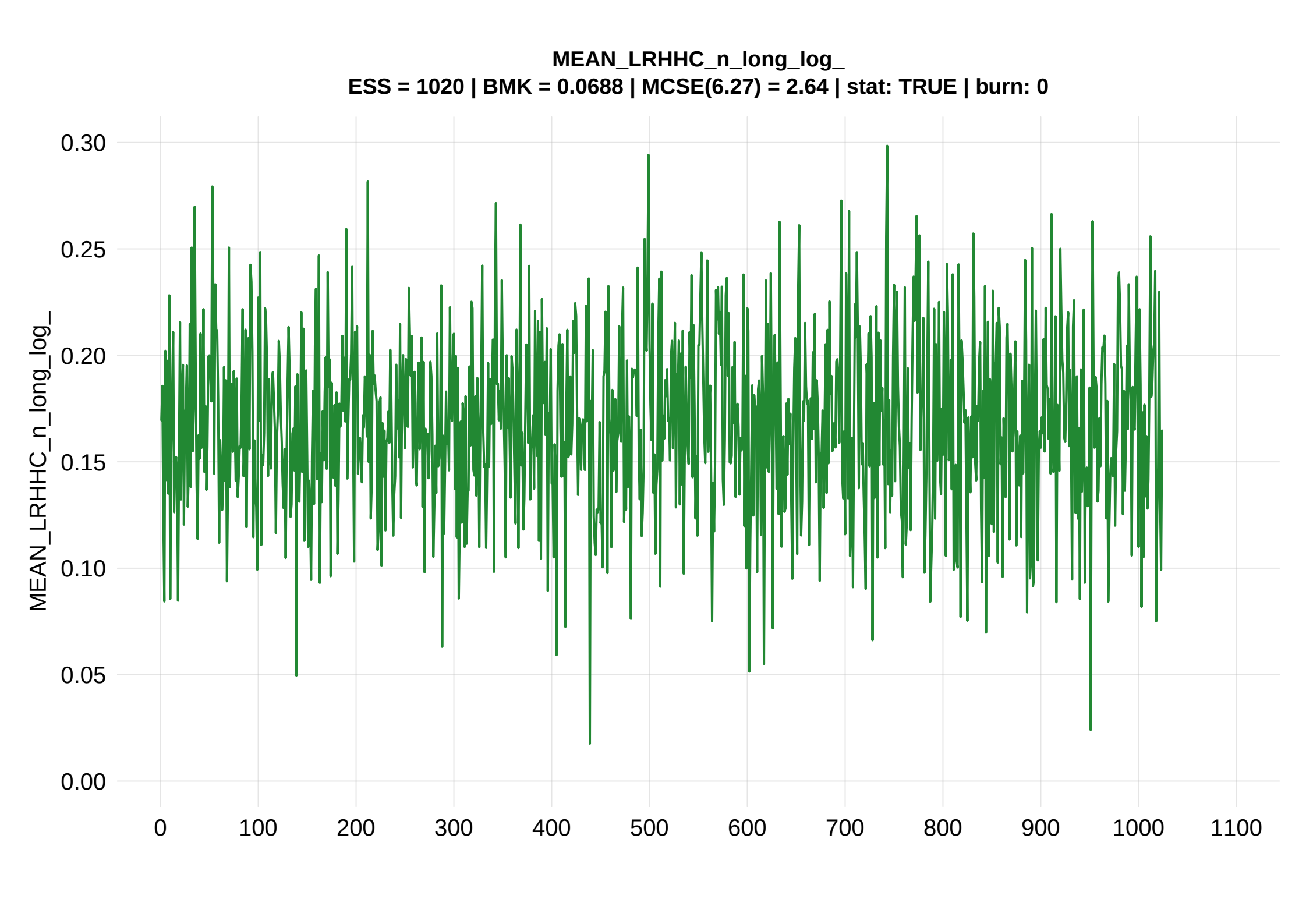

Pdatum2
ESS = 2.22e−16 | BMK = 0.196 | MCSE(6.27) = 5.24 | stat: TRUE | burn: 0
Pdatum2
−26.8
−26.9
−27.0
−27.1
−27.2
−27.3
−27.4
−27.5
−27.6
−27.7
0
100
200
300
400
500
600
700
800
900
1000
1100

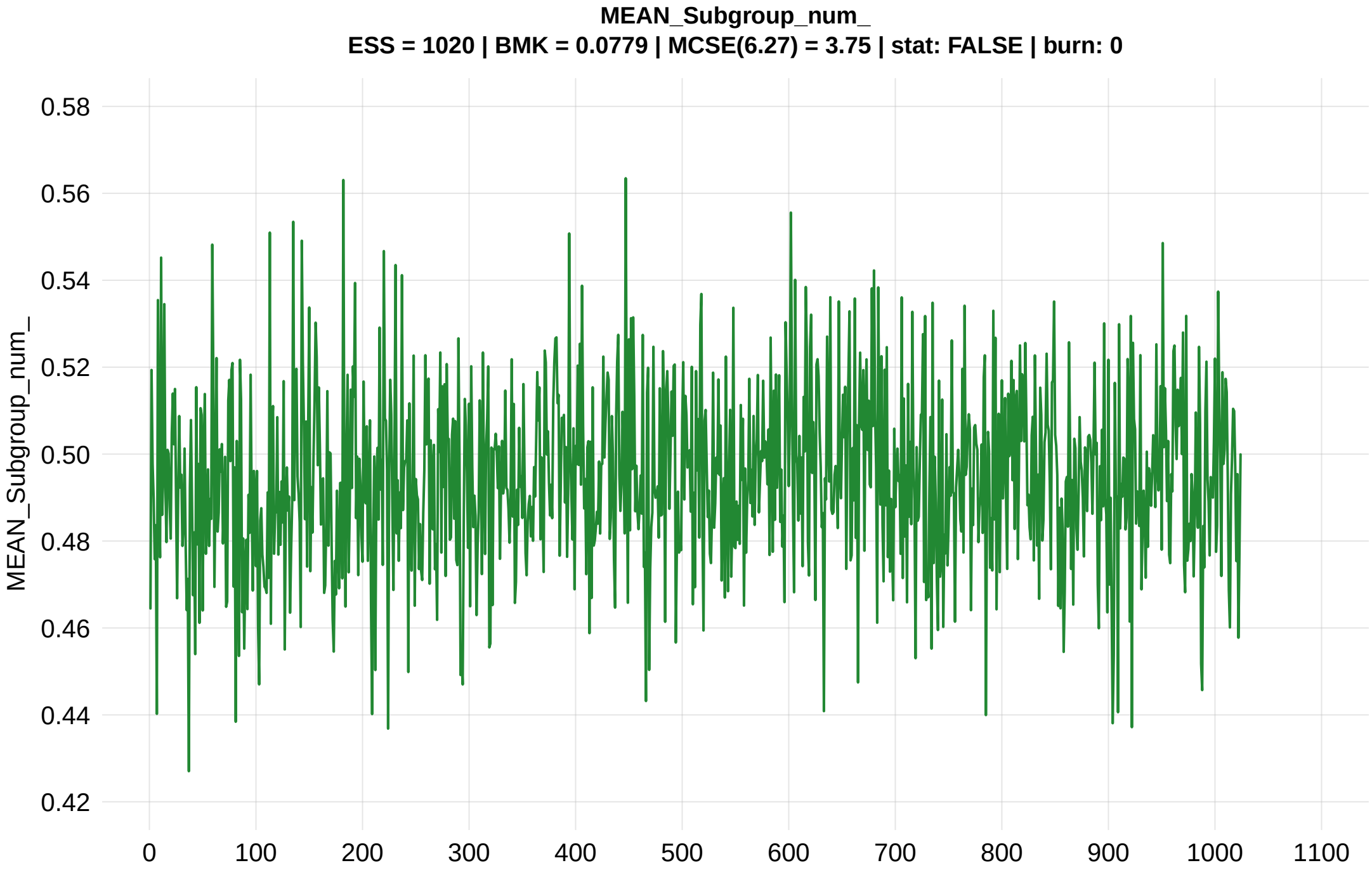

Pdatum3
ESS = 2.22e−16 | BMK = 0.101 | MCSE(6.27) = 4.1 | stat: TRUE | burn: 0
Pdatum3
−27.53
−27.54
−27.55
−27.56
−27.57
−27.58
−27.59
−27.60
−27.61
−27.62
−27.63
−27.64
0
100
200
300
400
500
600
700
800
900
1000
1100

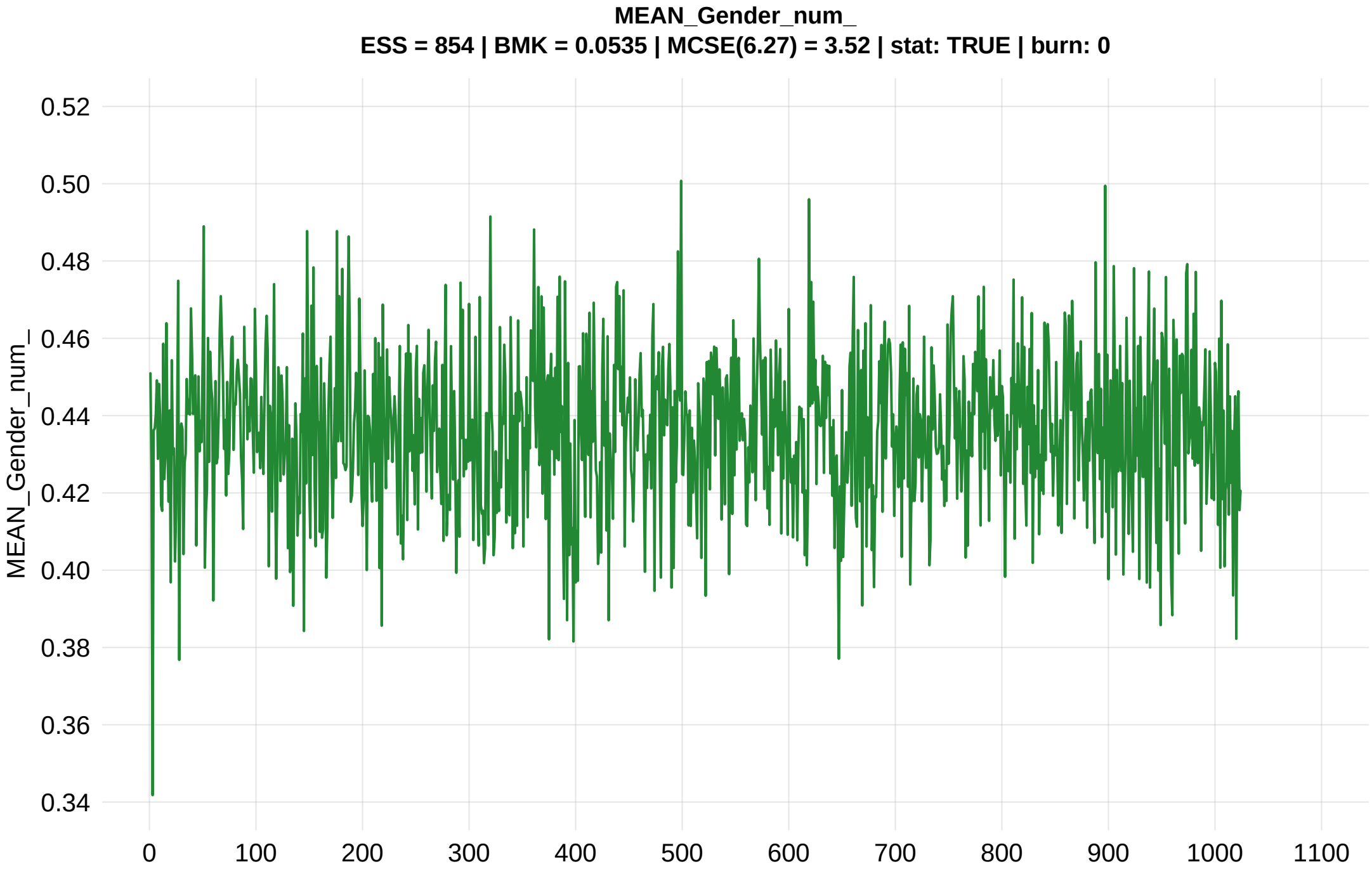

Pdatum4
ESS = 2.22e−16 | BMK = 0.137 | MCSE(6.27) = 4.04 | stat: TRUE | burn: 0
Pdatum4
−27.42
−27.44
−27.46
−27.48
−27.50
−27.52
−27.54
−27.56
−27.58
−27.60
−27.62
−27.64
0
100
200
300
400
500
600
700
800
900
1000
1100

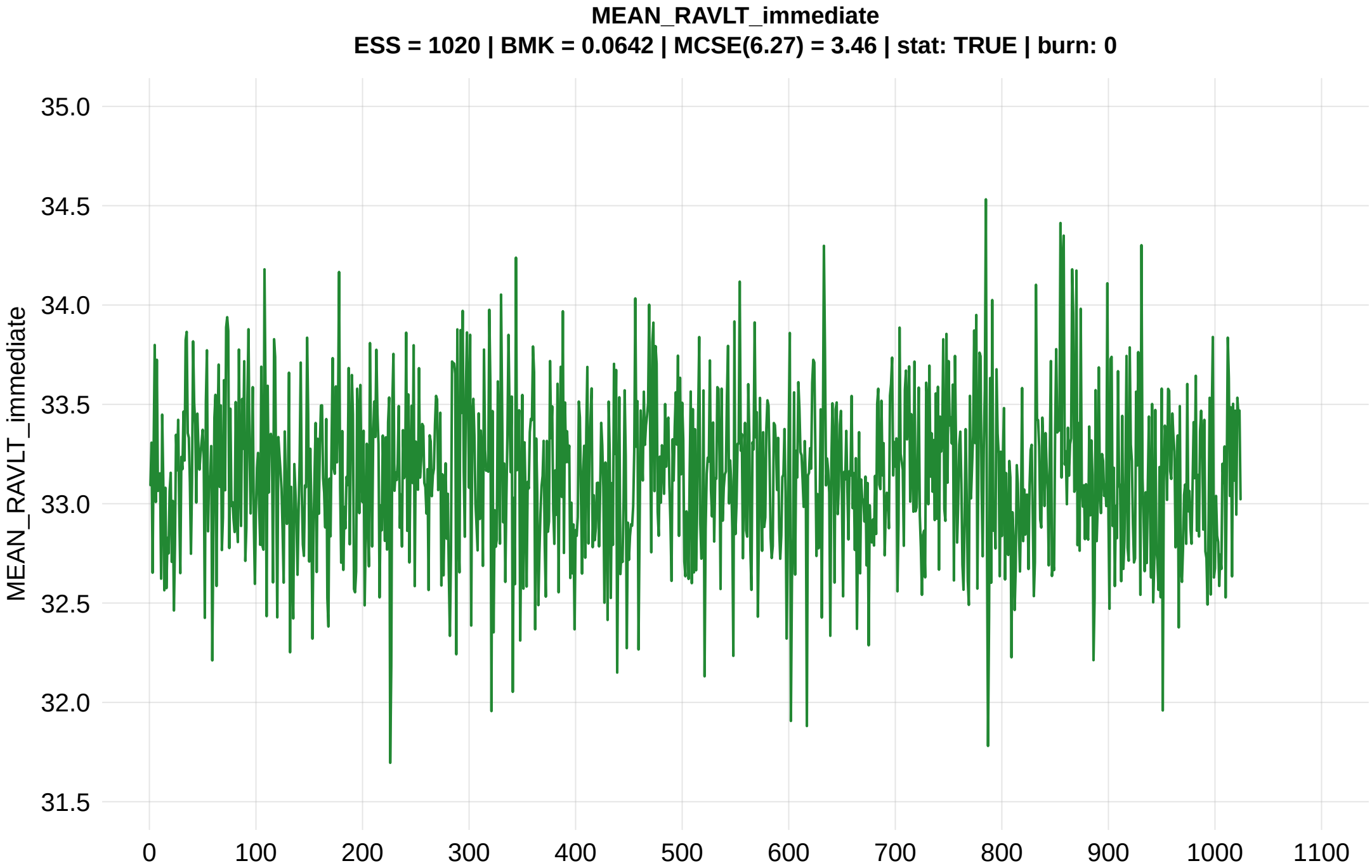

Dcov
ESS = 1020 | BMK = 0.0643 | MCSE(6.27) = 2.22 | stat: TRUE | burn: 0
Dcov
−3
−4
−5
−6
−7
−8
−9
−10
−11
−12
0
100
200
300
400
500
600
700
800
900
1000
1100

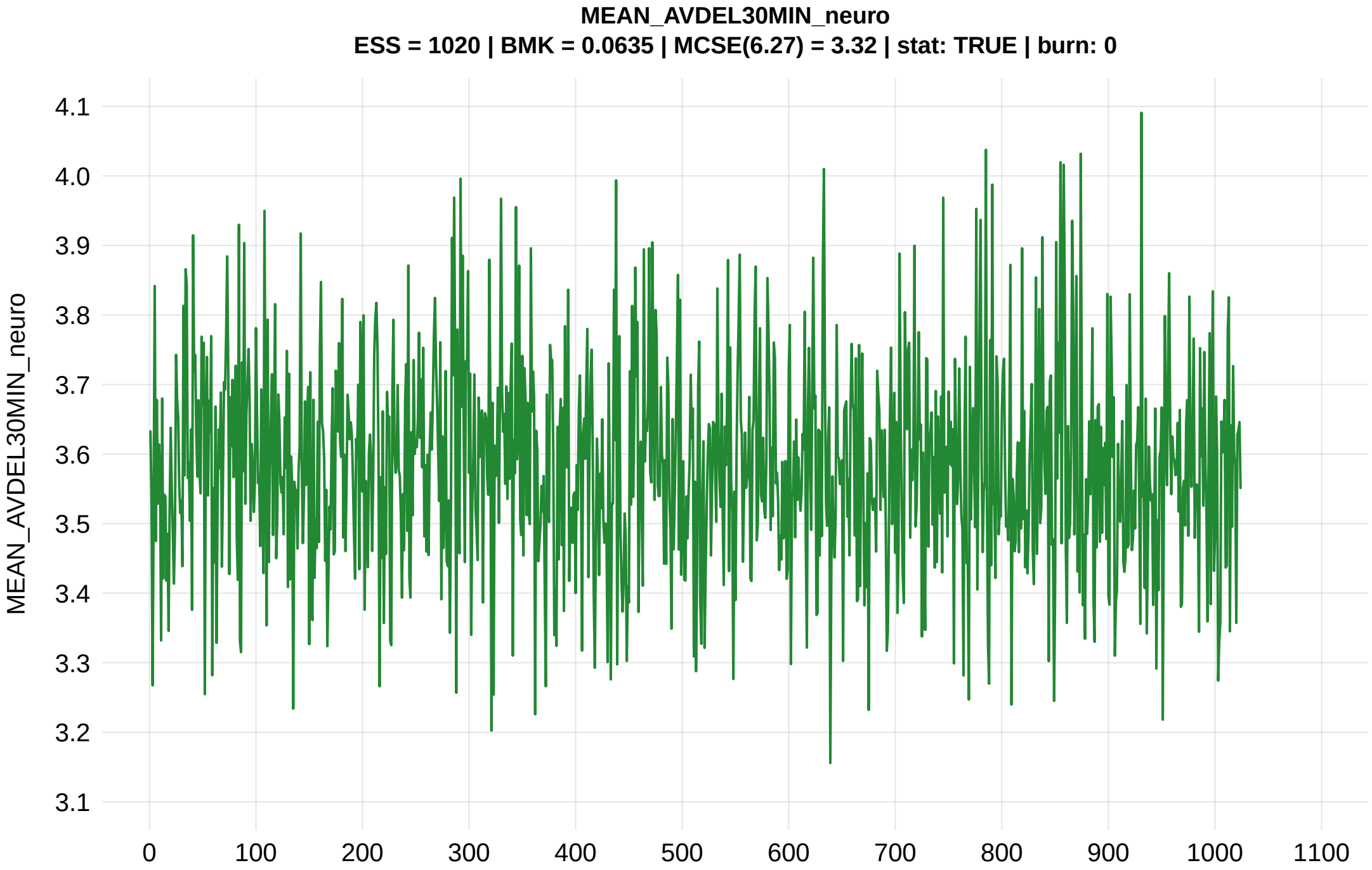

MEAN_AGE_log_
ESS = 1020 | BMK = 0.0651 | MCSE(6.27) = 3.15 | stat: TRUE | burn: 0
MEAN_AGE_log_
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.20
0
100
200
300
400
500
600
700
800
900
1000
1100

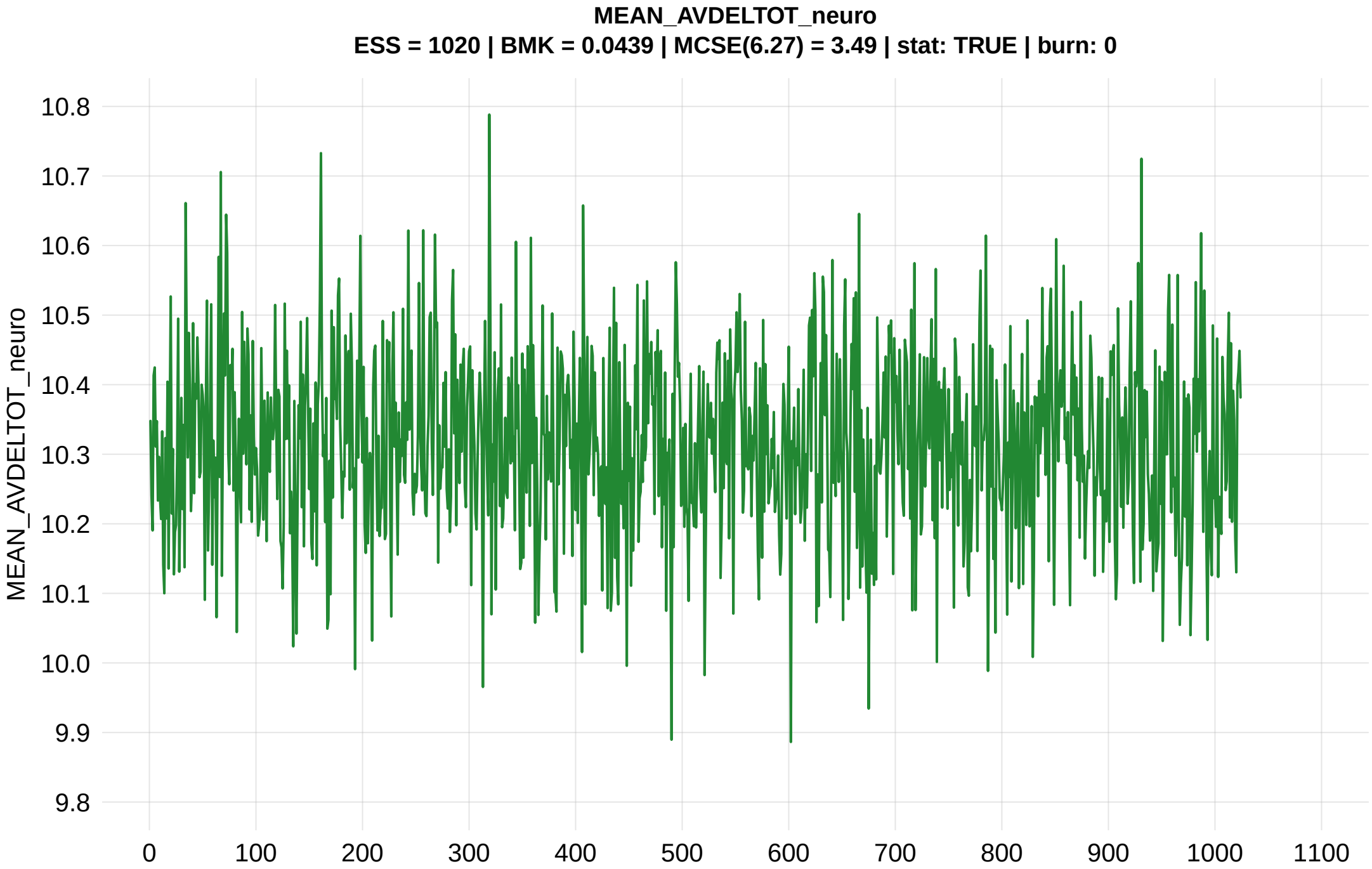

MEAN_LRHHC_n_long_log_
ESS = 1020 | BMK = 0.0688 | MCSE(6.27) = 2.64 | stat: TRUE | burn: 0
MEAN_LRHHC_n_long_log_
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0
100
200
300
400
500
600
700
800
900
1000
1100

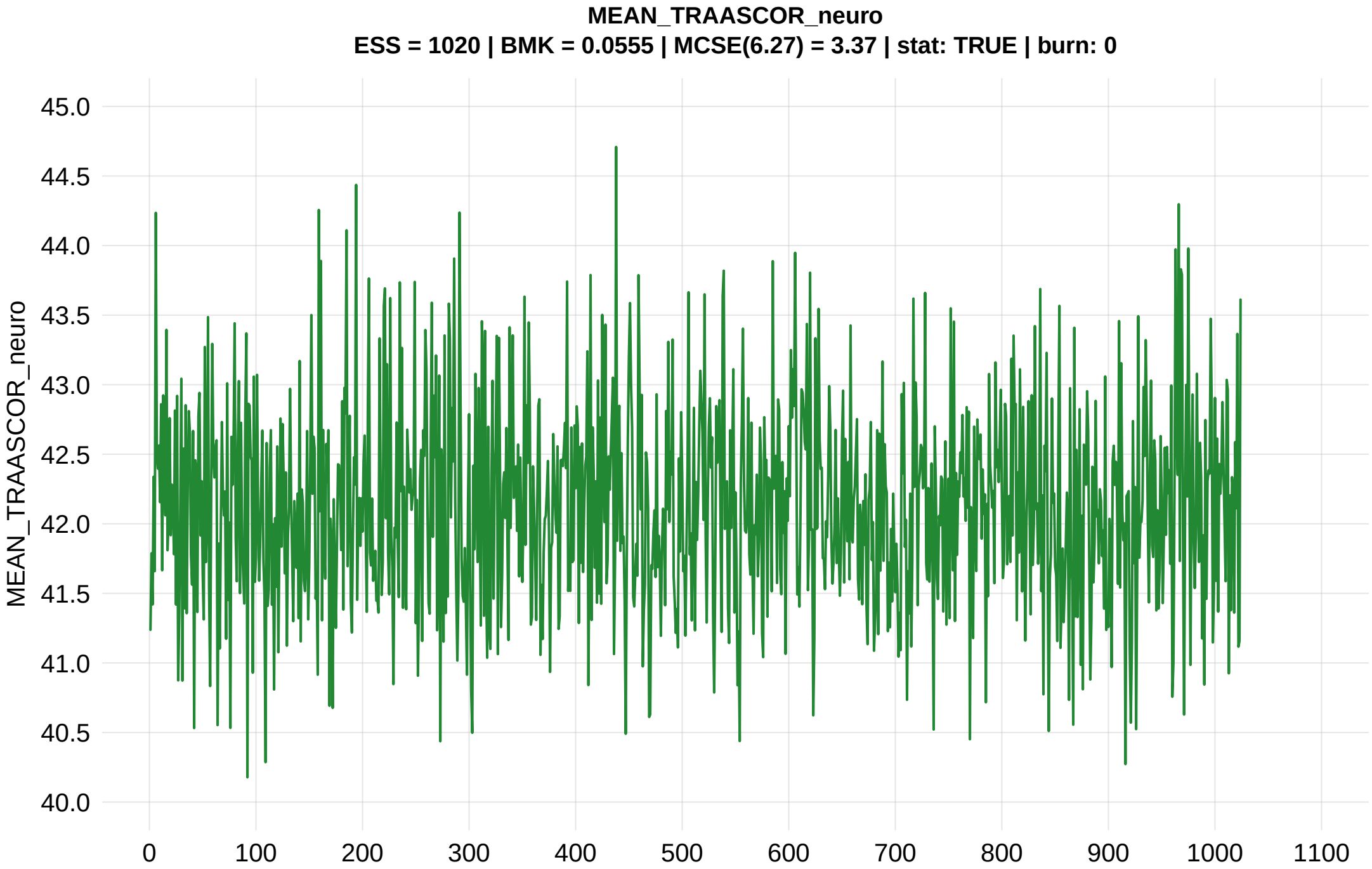

MEAN_Subgroup_num_
ESS = 1020 | BMK = 0.0779 | MCSE(6.27) = 3.75 | stat: FALSE | burn: 0
MEAN_Subgroup_num_
0.58
0.56
0.54
0.52
0.50
0.48
0.46
0.44
0.42
0
100
200
300
400
500
600
700
800
900
1000
1100

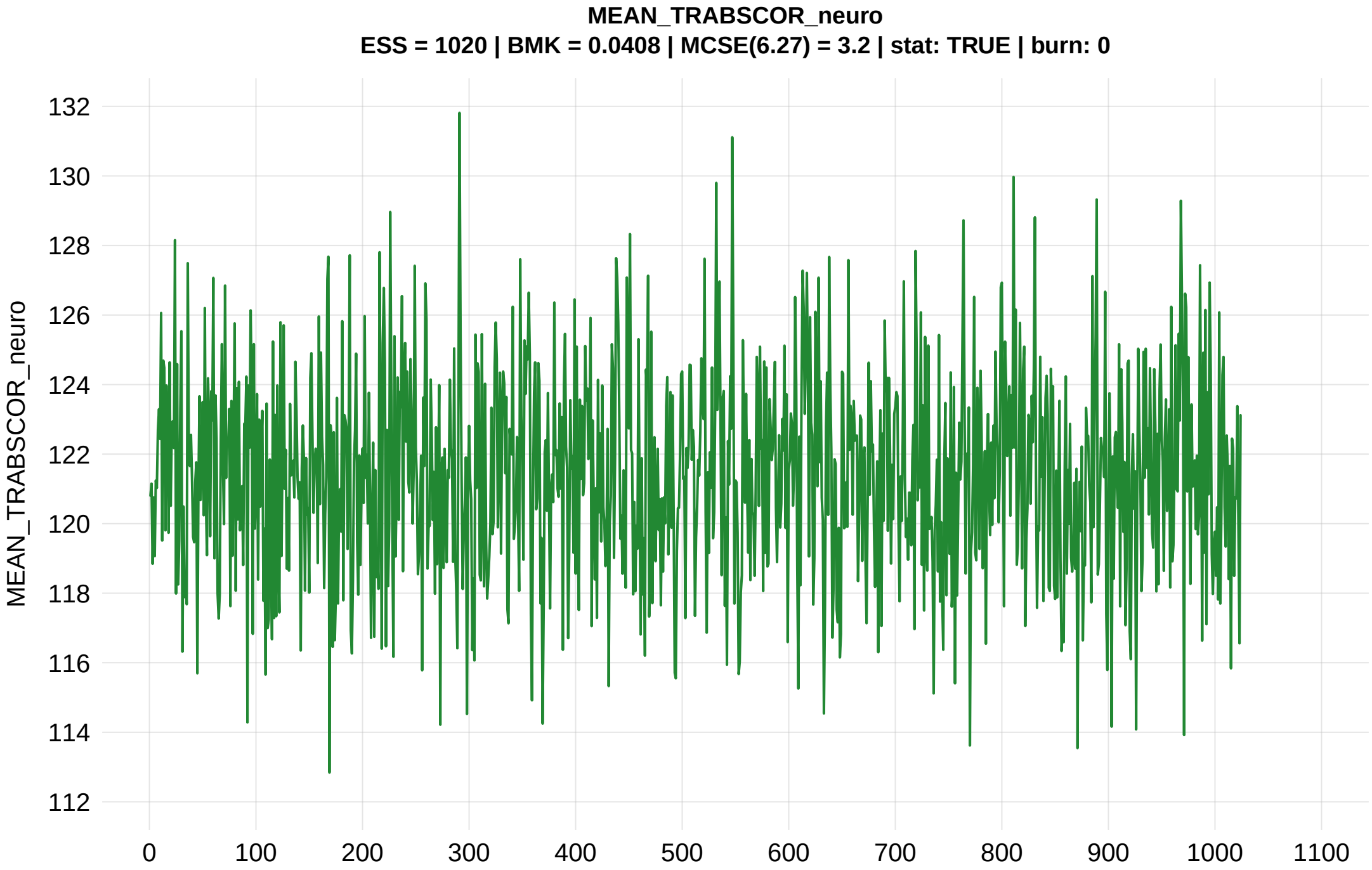

MEAN_Gender_num_
ESS = 854 | BMK = 0.0535 | MCSE(6.27) = 3.52 | stat: TRUE | burn: 0
MEAN_Gender_num_
0.52
0.50
0.48
0.46
0.44
0.42
0.40
0.38
0.36
0.34
0
100
200
300
400
500
600
700
800
900
1000
1100

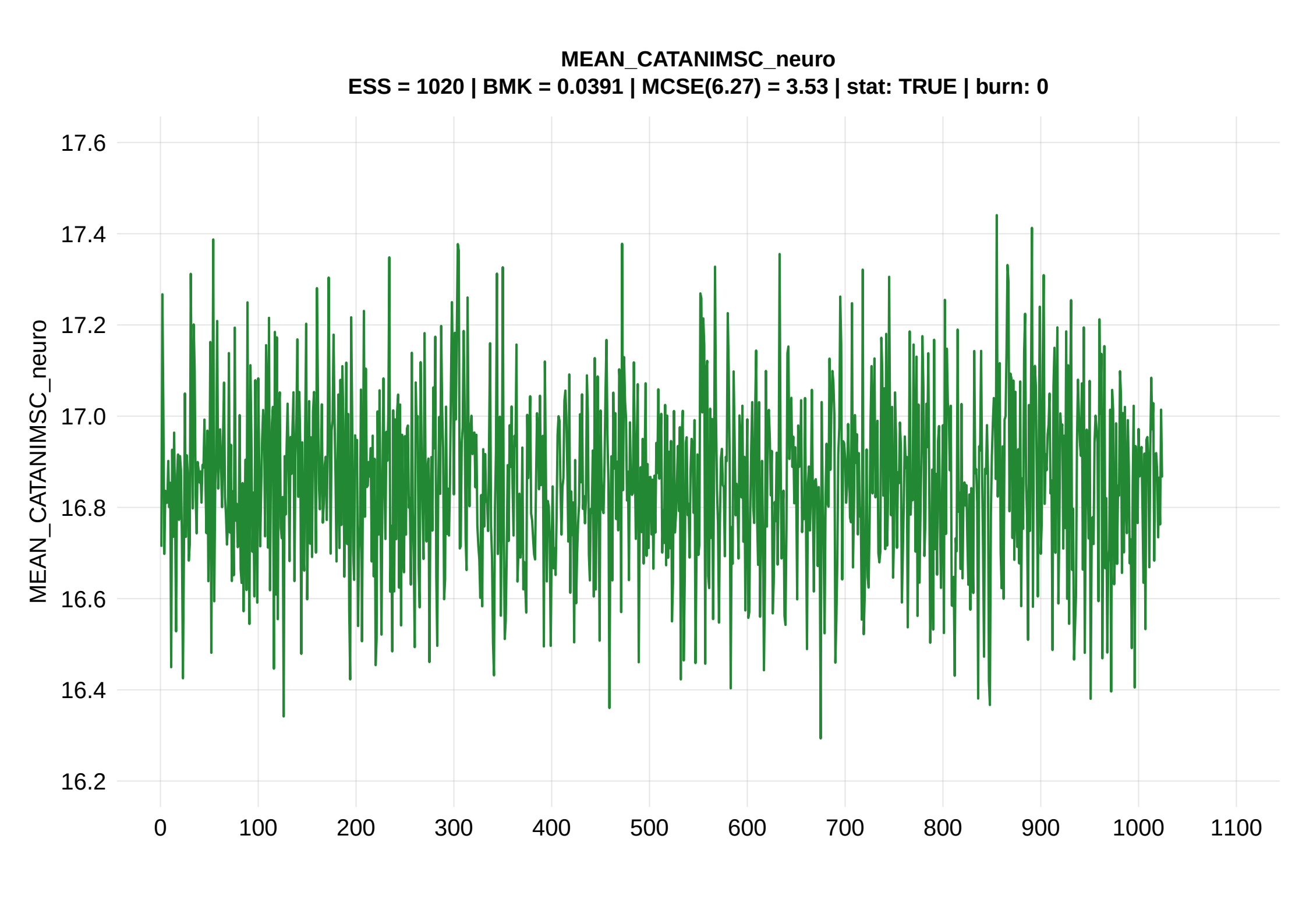

MEAN_RAVLT_immediate
ESS = 1020 | BMK = 0.0642 | MCSE(6.27) = 3.46 | stat: TRUE | burn: 0
MEAN_RAVLT_immediate
35.0
34.5
34.0
33.5
33.0
32.5
32.0
31.5
0
100
200
300
400
500
600
700
800
900
1000
1100

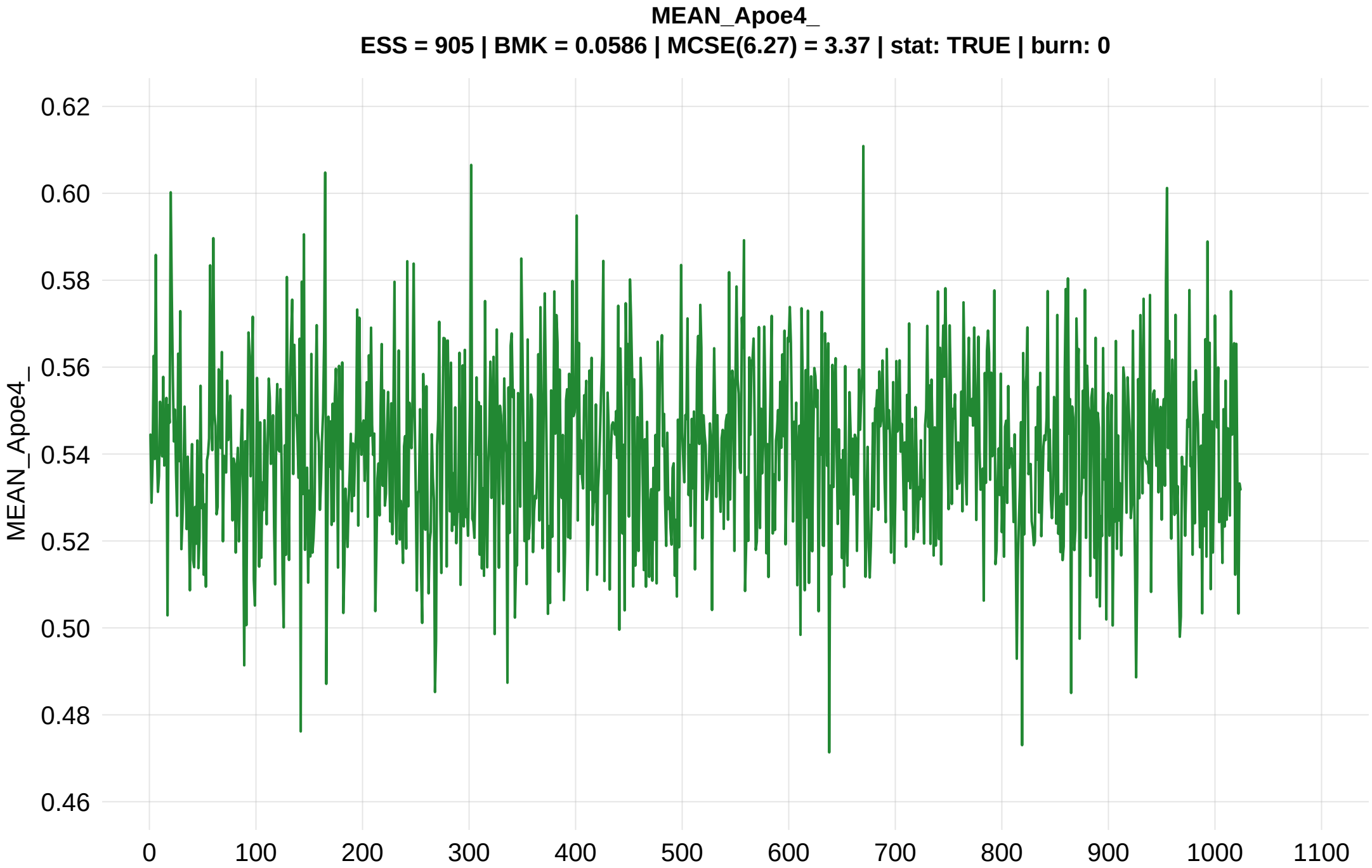

MEAN_AVDEL30MIN_neuro
ESS = 1020 | BMK = 0.0635 | MCSE(6.27) = 3.32 | stat: TRUE | burn: 0
MEAN_AVDEL30MIN_neuro
4.1
4.0
3.9
3.8
3.7
3.6
3.5
3.4
3.3
3.2
3.1
0
100
200
300
400
500
600
700
800
900
1000
1100

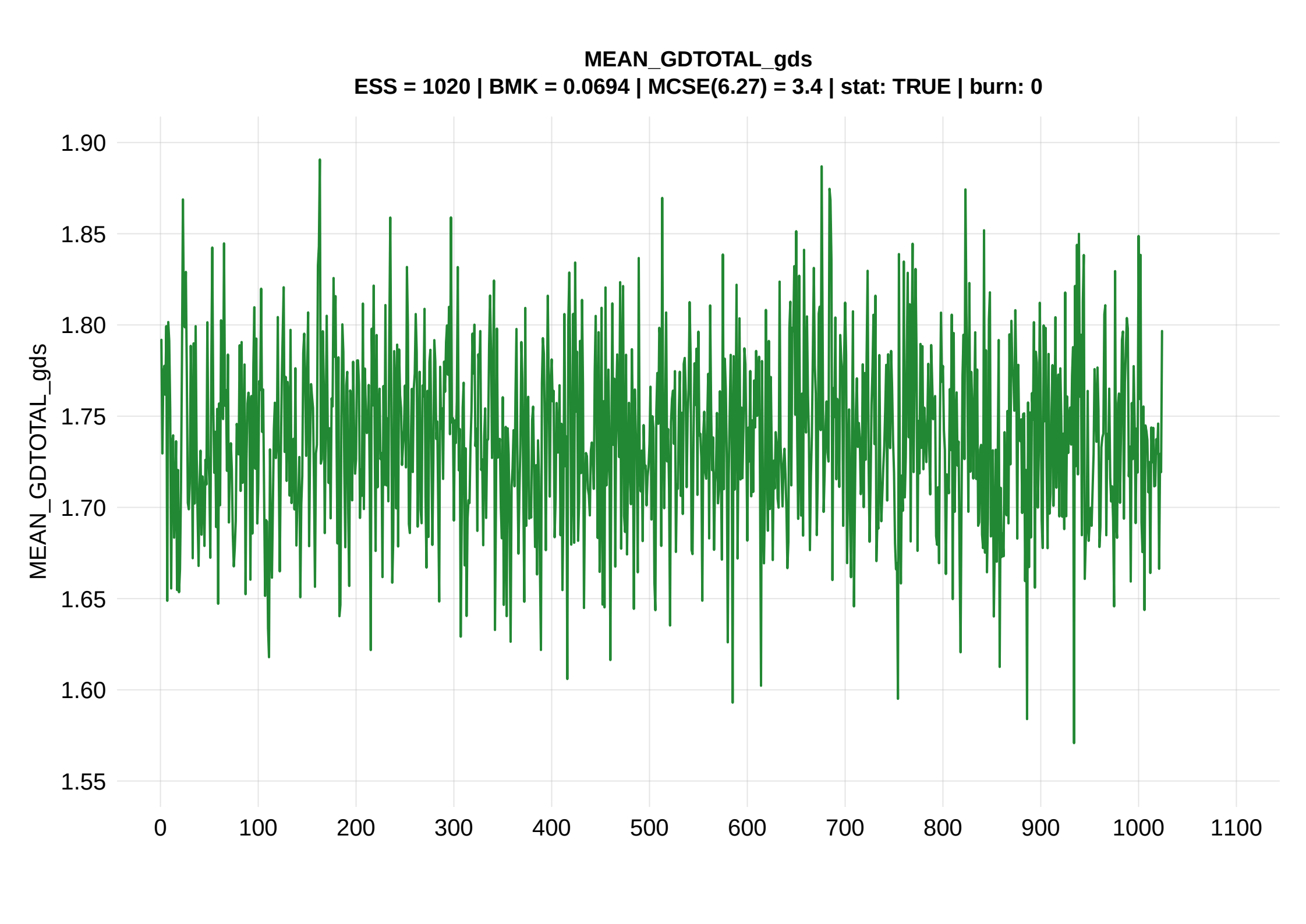

MEAN_AVDELTOT_neuro
ESS = 1020 | BMK = 0.0439 | MCSE(6.27) = 3.49 | stat: TRUE | burn: 0
MEAN_AVDELTOT_neuro
10.8
10.7
10.6
10.5
10.4
10.3
10.2
10.1
10.0
9.9
9.8
0
100
200
300
400
500
600
700
800
900
1000
1100

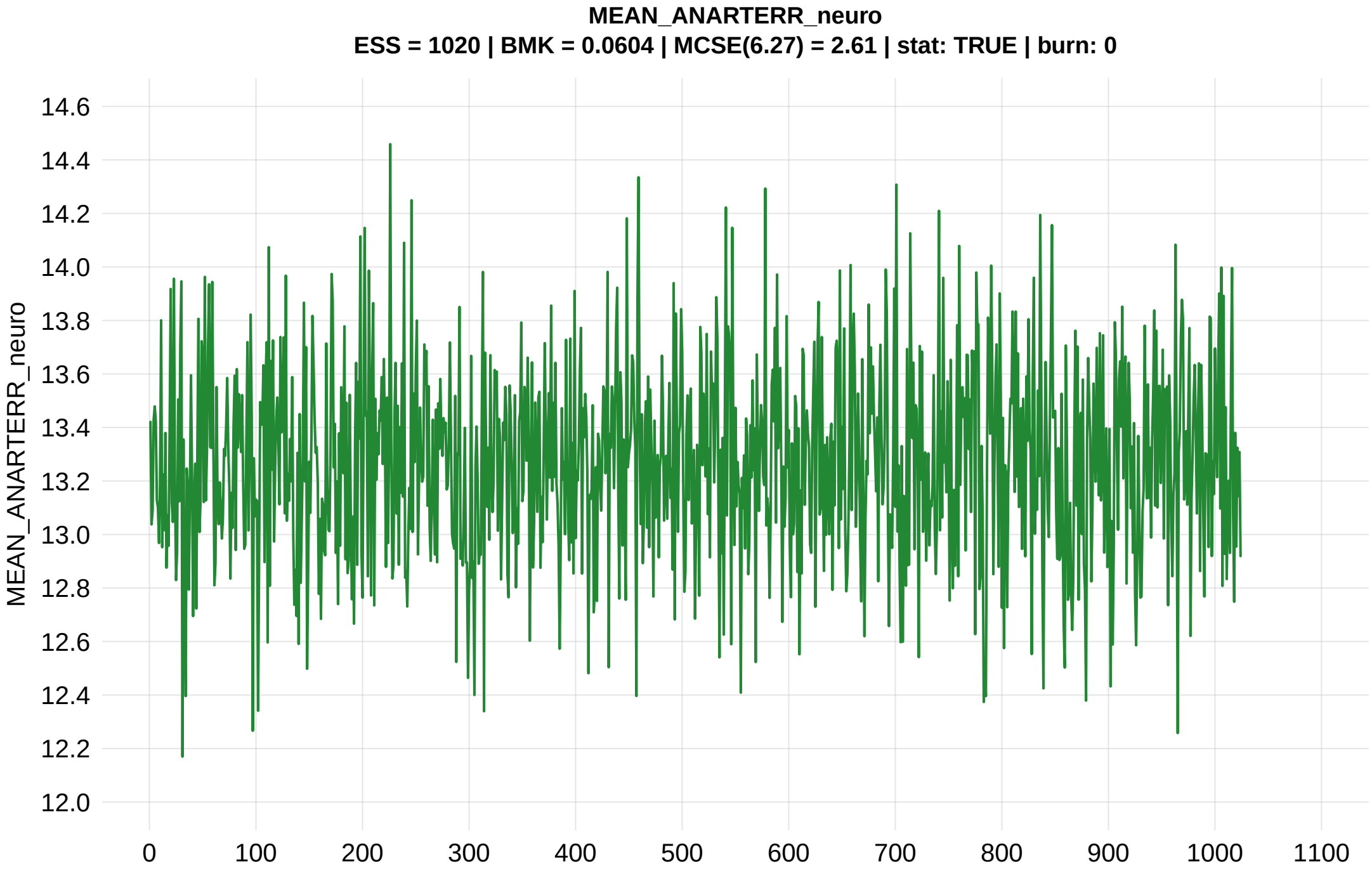

MEAN_TRAASCOR_neuro
ESS = 1020 | BMK = 0.0555 | MCSE(6.27) = 3.37 | stat: TRUE | burn: 0
MEAN_TRAASCOR_neuro
45.0
44.5
44.0
43.5
43.0
42.5
42.0
41.5
41.0
40.5
40.0
0
100
200
300
400
500
600
700
800
900
1000
1100

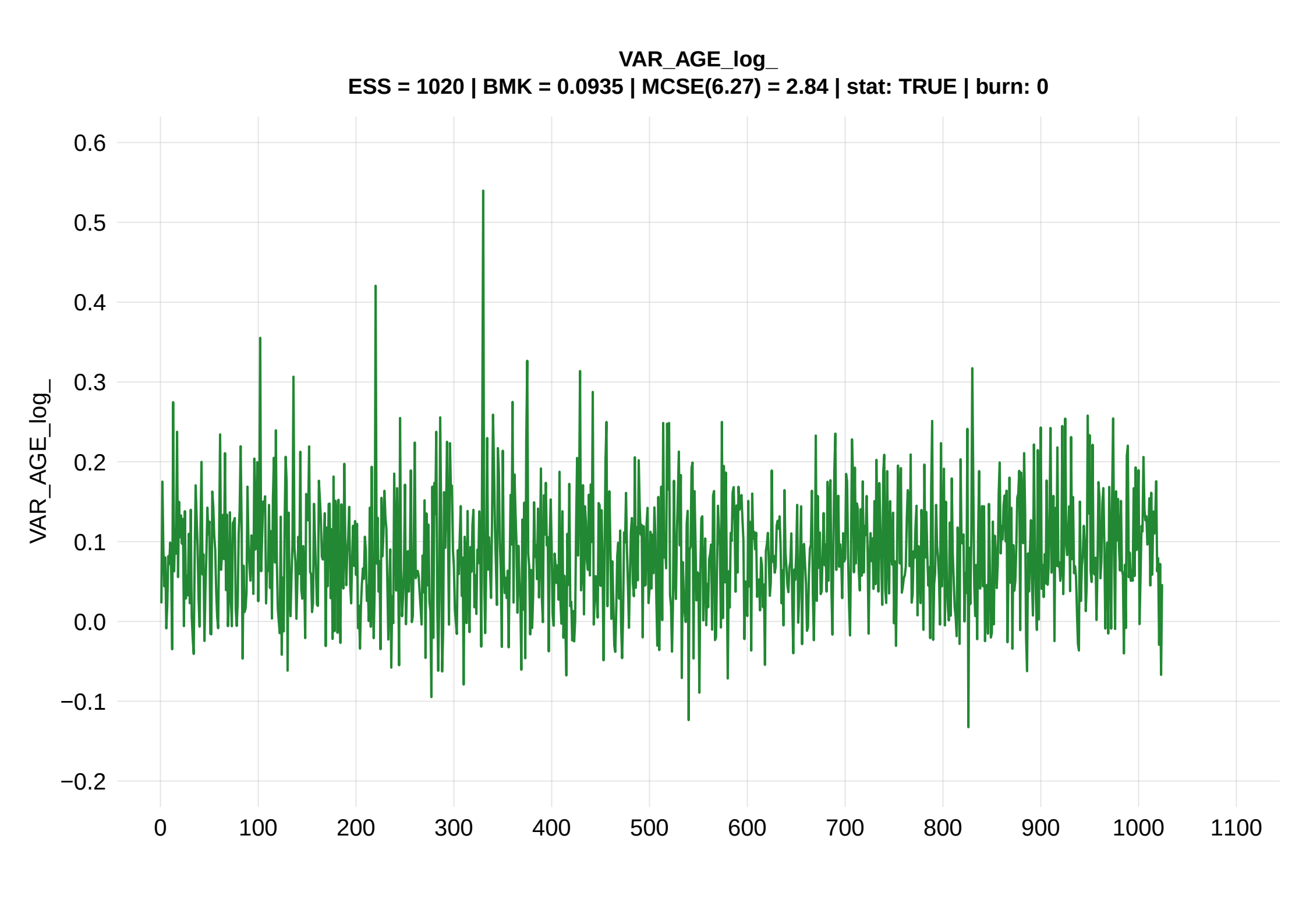

MEAN_TRABSCOR_neuro
ESS = 1020 | BMK = 0.0408 | MCSE(6.27) = 3.2 | stat: TRUE | burn: 0
MEAN_TRABSCOR_neuro
132
130
128
126
124
122
120
118
116
114
112
0
100
200
300
400
500
600
700
800
900
1000
1100

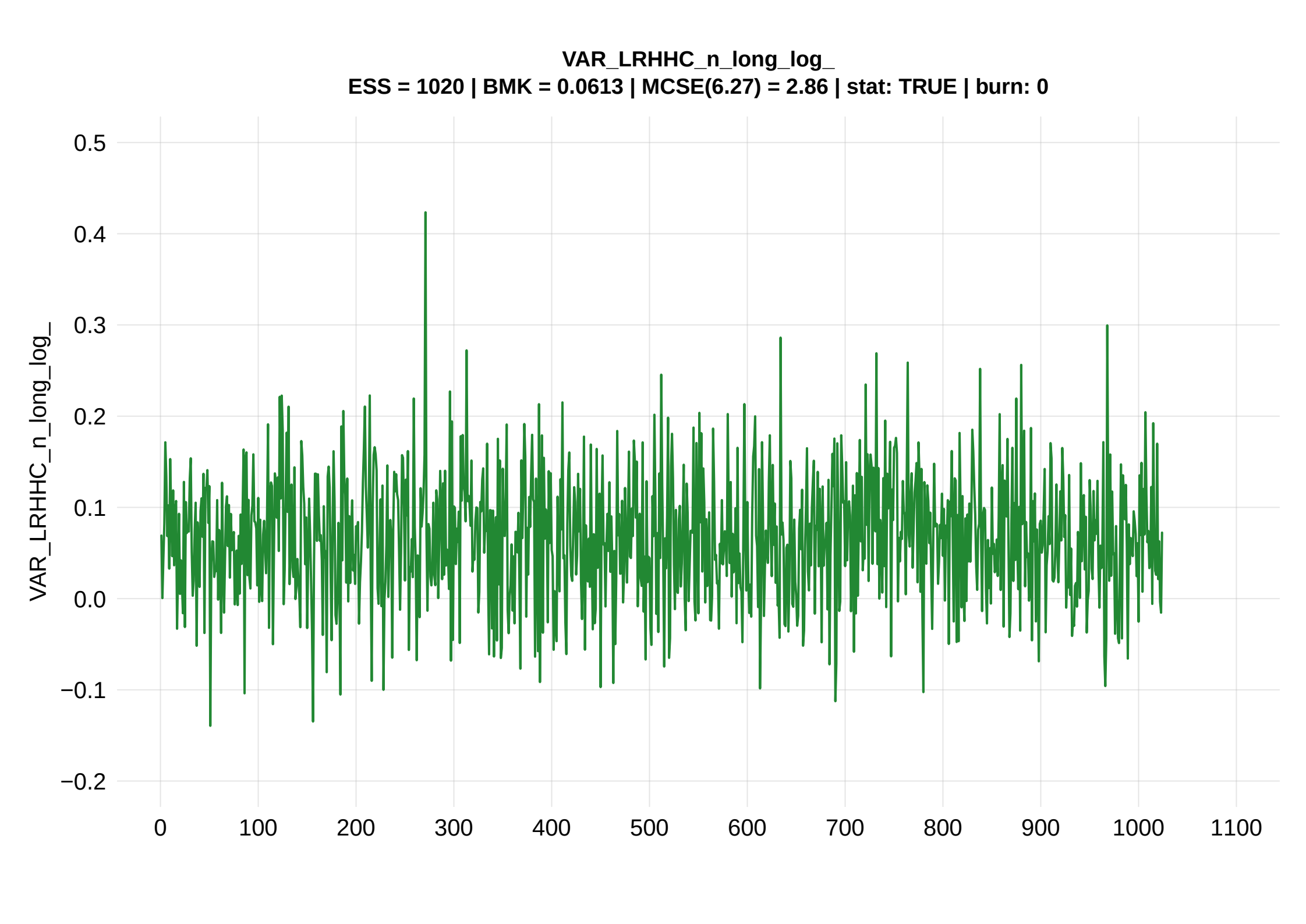

MEAN_CATANIMSC_neuro
ESS = 1020 | BMK = 0.0391 | MCSE(6.27) = 3.53 | stat: TRUE | burn: 0
MEAN_CATANIMSC_neuro
17.6
17.4
17.2
17.0
16.8
16.6
16.4
16.2
0
100
200
300
400
500
600
700
800
900
1000
1100

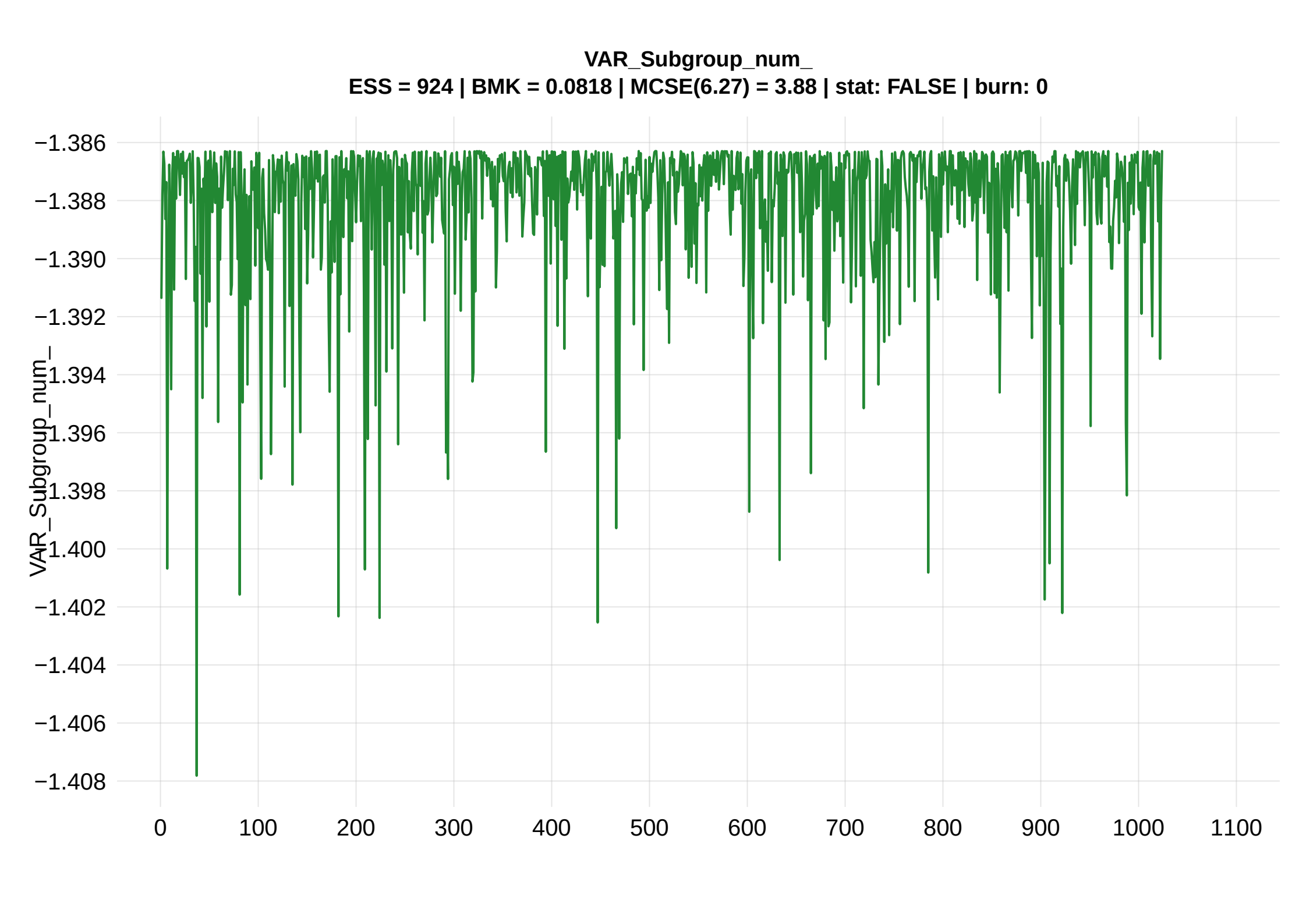

MEAN_Apoe4_
ESS = 905 | BMK = 0.0586 | MCSE(6.27) = 3.37 | stat: TRUE | burn: 0
MEAN_Apoe4_
0.62
0.60
0.58
0.56
0.54
0.52
0.50
0.48
0.46
0
100
200
300
400
500
600
700
800
900
1000
1100

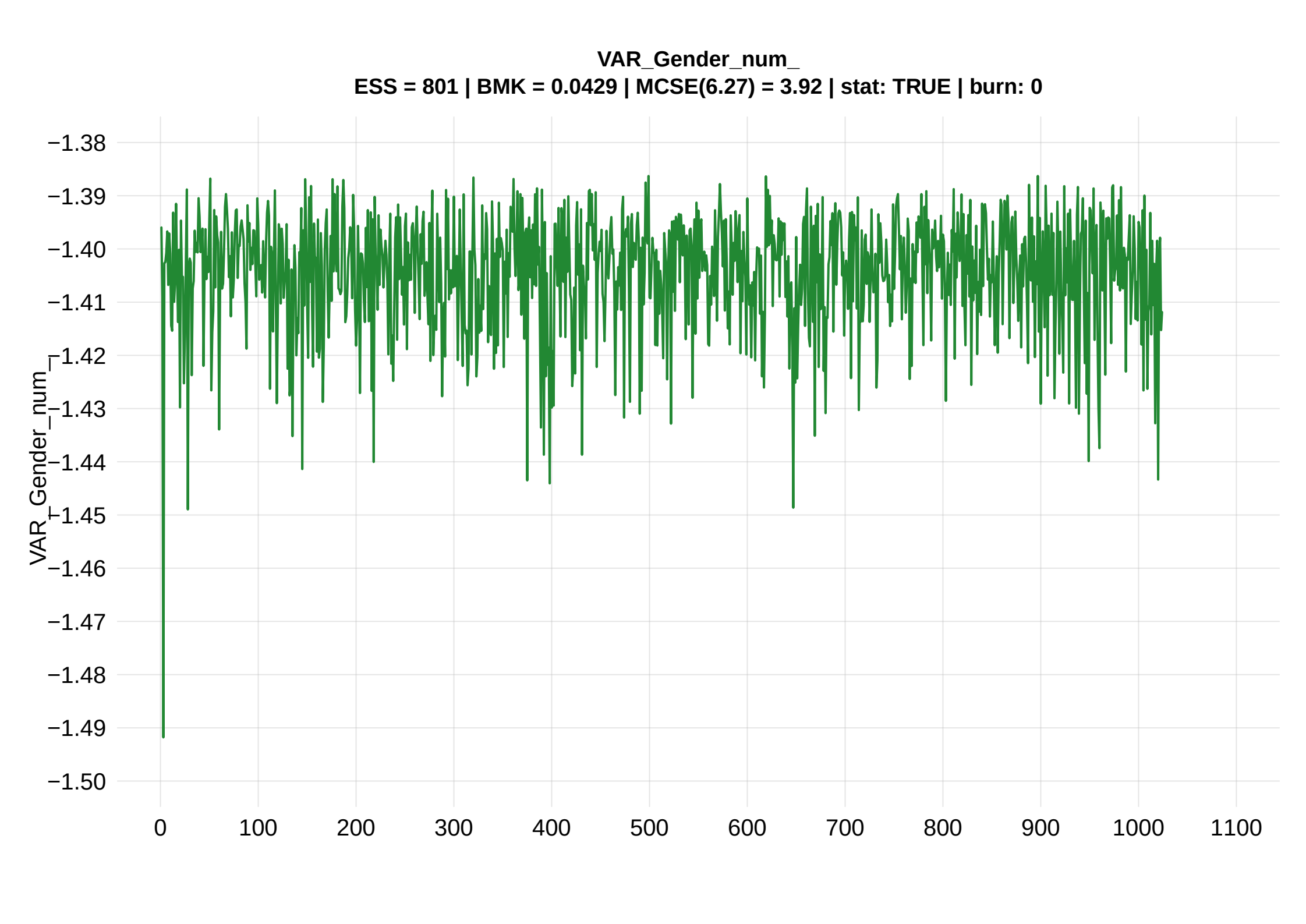

MEAN_GDTOTAL_gds
ESS = 1020 | BMK = 0.0694 | MCSE(6.27) = 3.4 | stat: TRUE | burn: 0
MEAN_GDTOTAL_gds
1.90
1.85
1.80
1.75
1.70
1.65
1.60
1.55
0
100
200
300
400
500
600
700
800
900
1000
1100

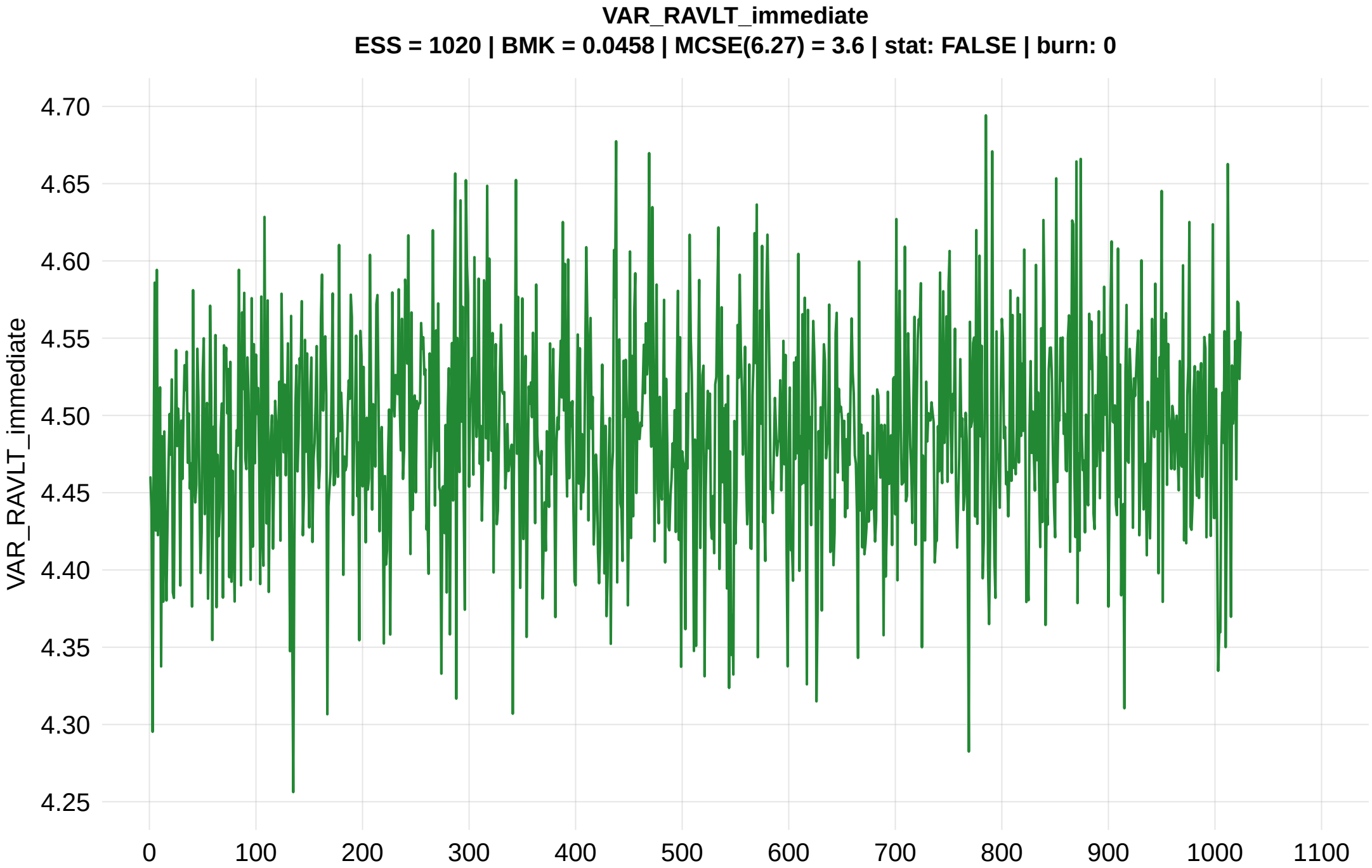

MEAN_ANARTERR_neuro
ESS = 1020 | BMK = 0.0604 | MCSE(6.27) = 2.61 | stat: TRUE | burn: 0
MEAN_ANARTERR_neuro
14.6
14.4
14.2
14.0
13.8
13.6
13.4
13.2
13.0
12.8
12.6
12.4
12.2
12.0
0
100
200
300
400
500
600
700
800
900
1000
1100

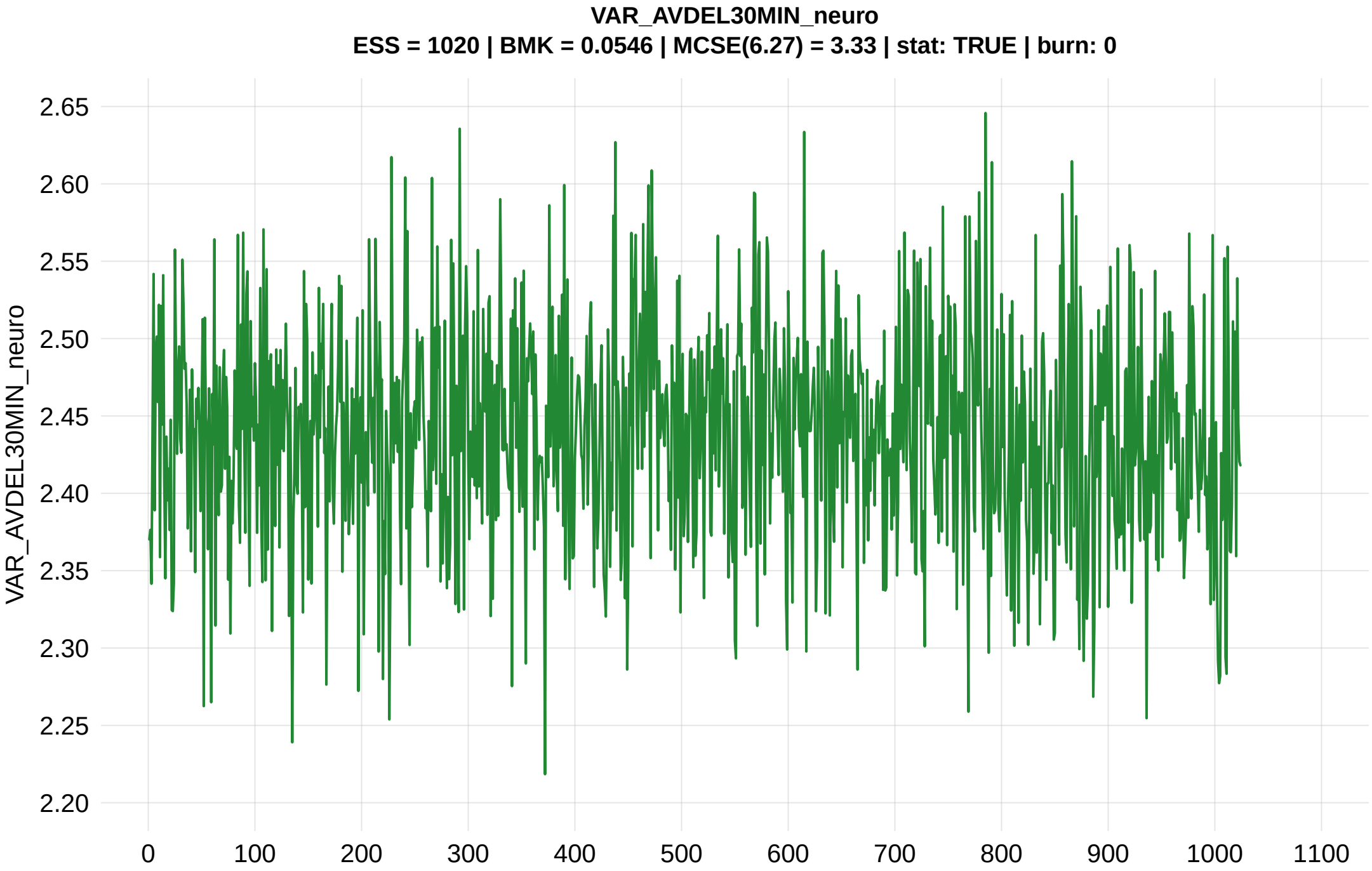

VAR_AGE_log_
ESS = 1020 | BMK = 0.0935 | MCSE(6.27) = 2.84 | stat: TRUE | burn: 0
VAR_AGE_log_
0.6
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400
500
600
700
800
900
1000
1100

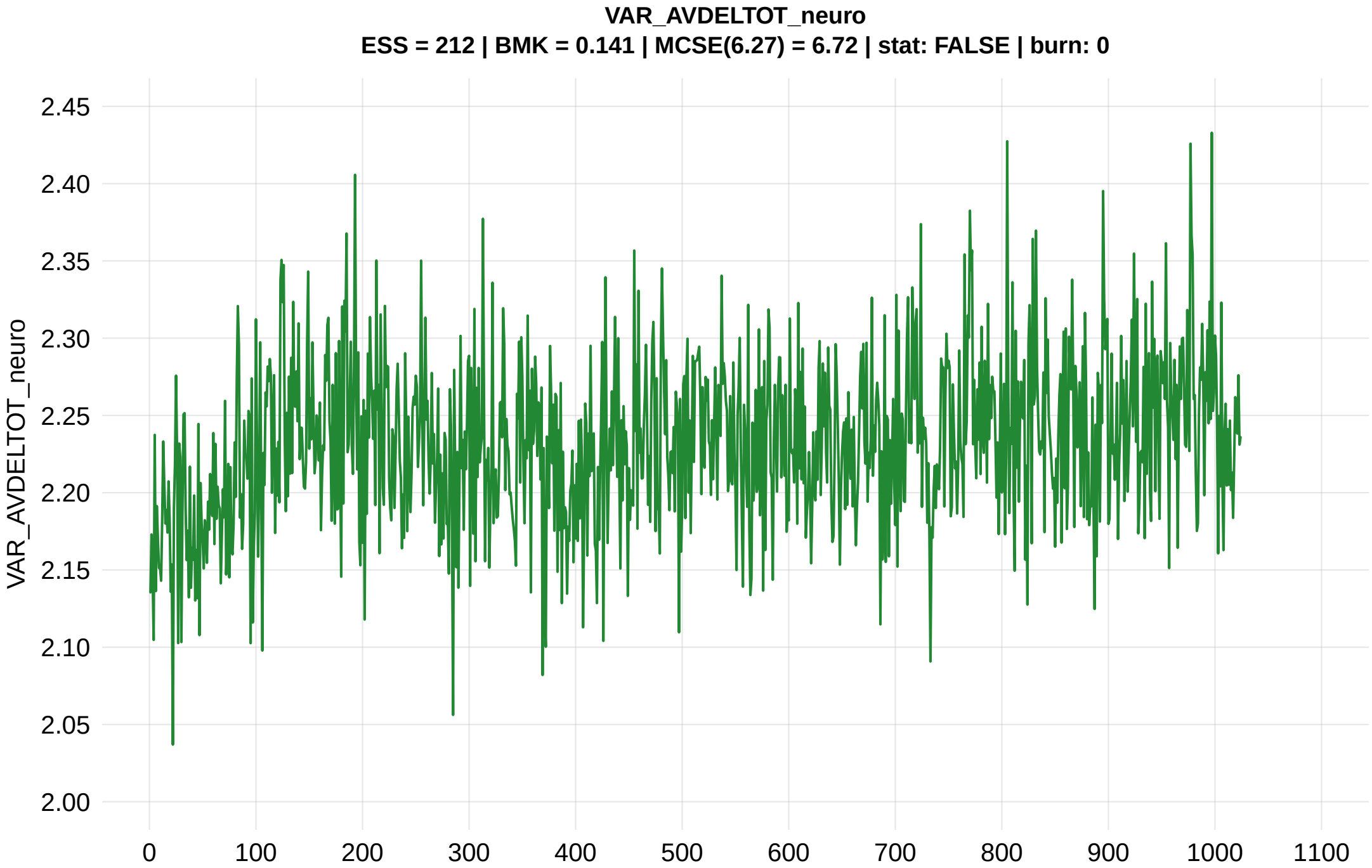

VAR_LRHHC_n_long_log_
ESS = 1020 | BMK = 0.0613 | MCSE(6.27) = 2.86 | stat: TRUE | burn: 0
VAR_LRHHC_n_long_log_
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400
500
600
700
800
900
1000
1100

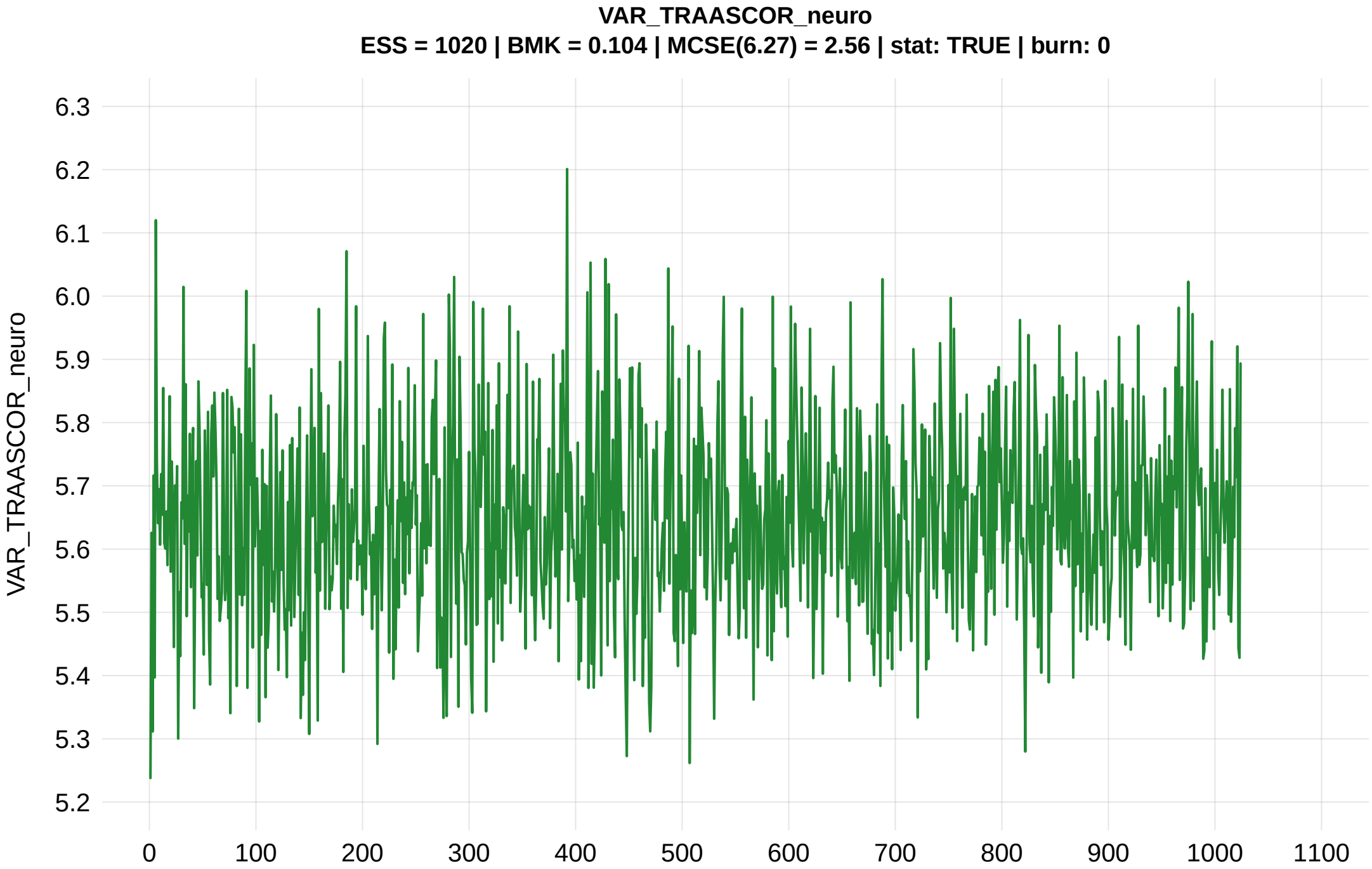

VAR_Subgroup_num_
ESS = 924 | BMK = 0.0818 | MCSE(6.27) = 3.88 | stat: FALSE | burn: 0
VAR_Subgroup_num_
−1.386
−1.388
−1.390
−1.392
−1.394
−1.396
−1.398
−1.400
−1.402
−1.404
−1.406
−1.408
0
100
200
300
400
500
600
700
800
900
1000
1100

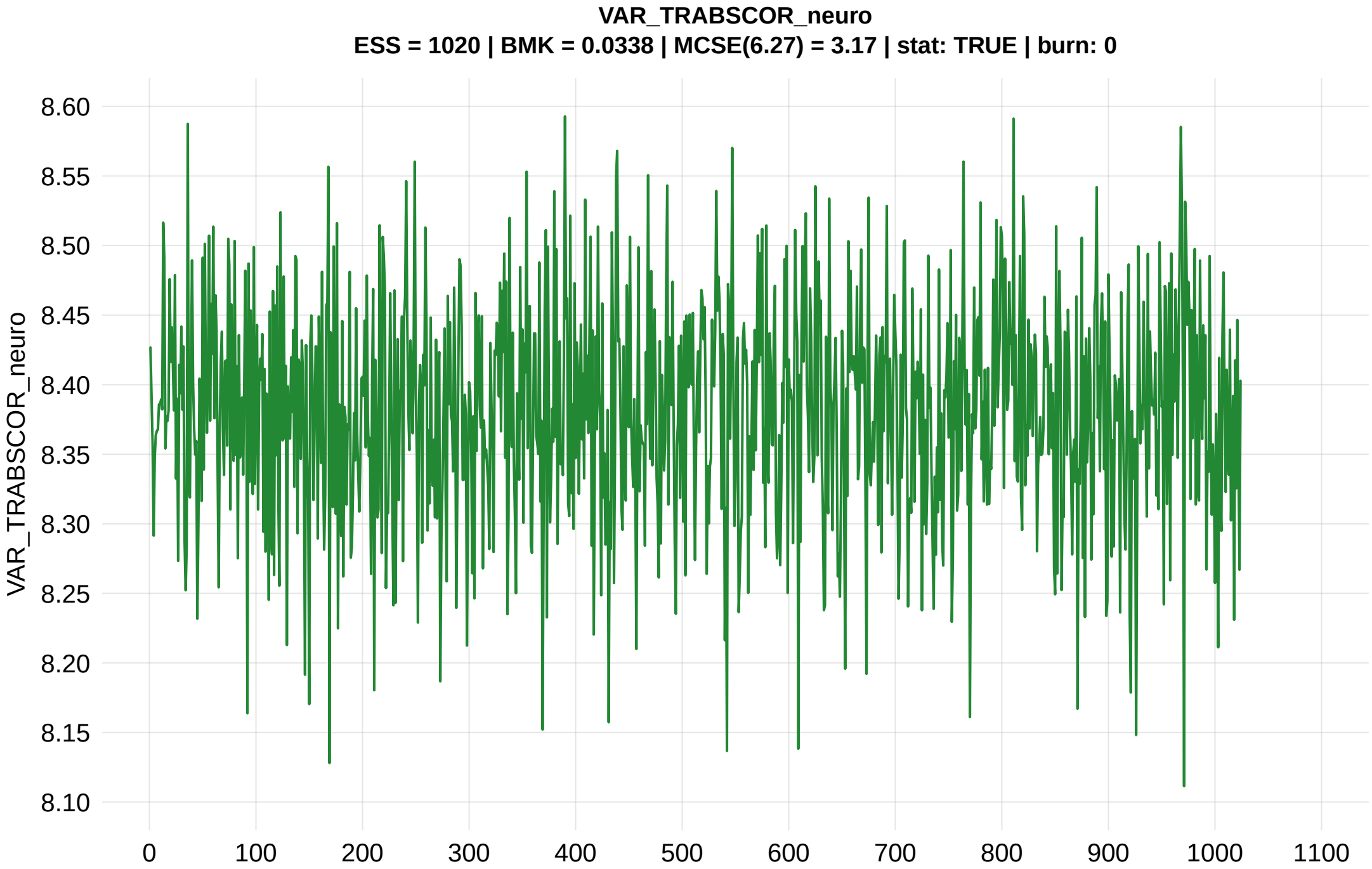

VAR_Gender_num_
ESS = 801 | BMK = 0.0429 | MCSE(6.27) = 3.92 | stat: TRUE | burn: 0
VAR_Gender_num_
−1.38
−1.39
−1.40
−1.41
−1.42
−1.43
−1.44
−1.45
−1.46
−1.47
−1.48
−1.49
−1.50
0
100
200
300
400
500
600
700
800
900
1000
1100

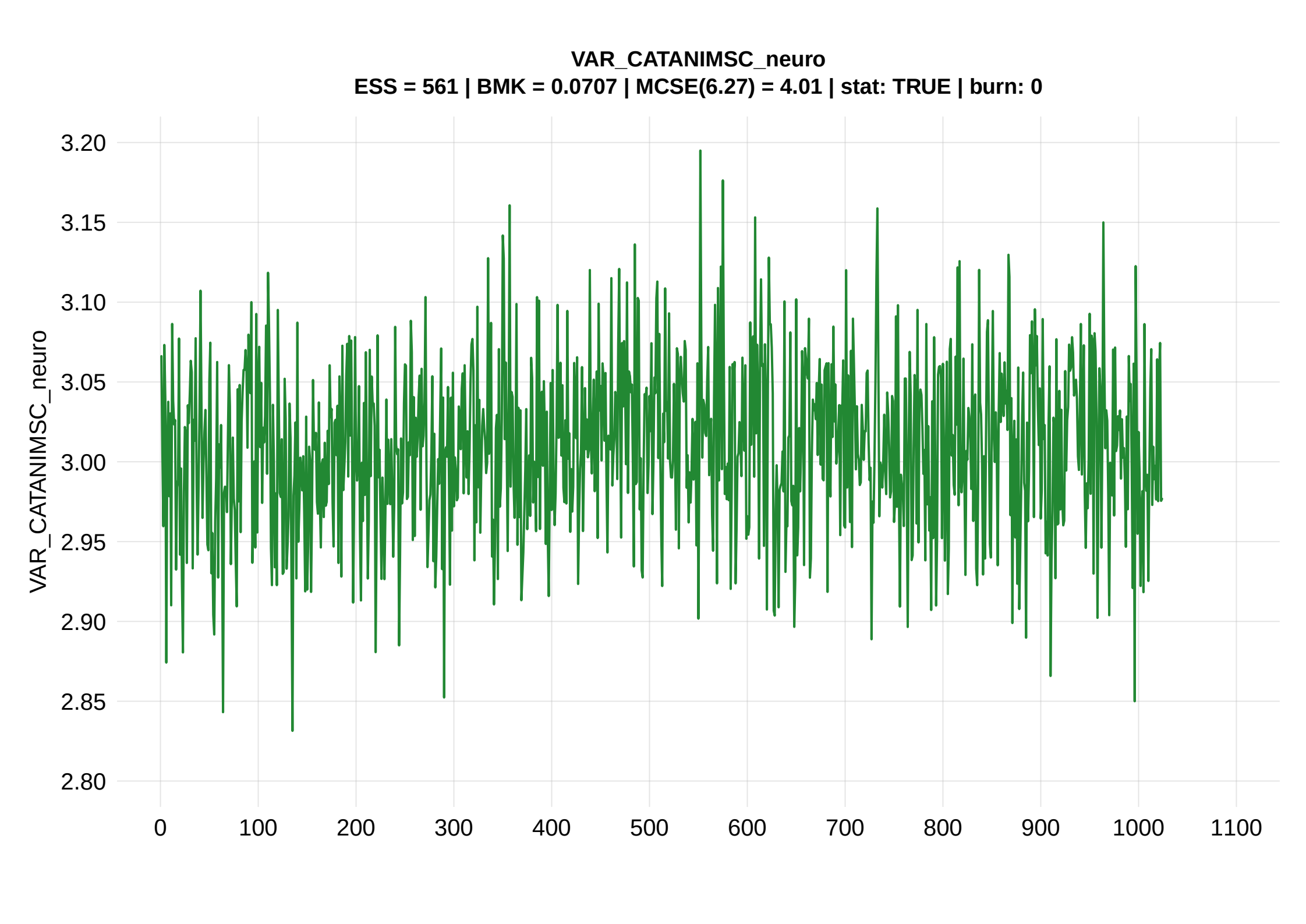

VAR_RAVLT_immediate
ESS = 1020 | BMK = 0.0458 | MCSE(6.27) = 3.6 | stat: FALSE | burn: 0
VAR_RAVLT_immediate
4.70
4.65
4.60
4.55
4.50
4.45
4.40
4.35
4.30
4.25
0
100
200
300
400
500
600
700
800
900
1000
1100

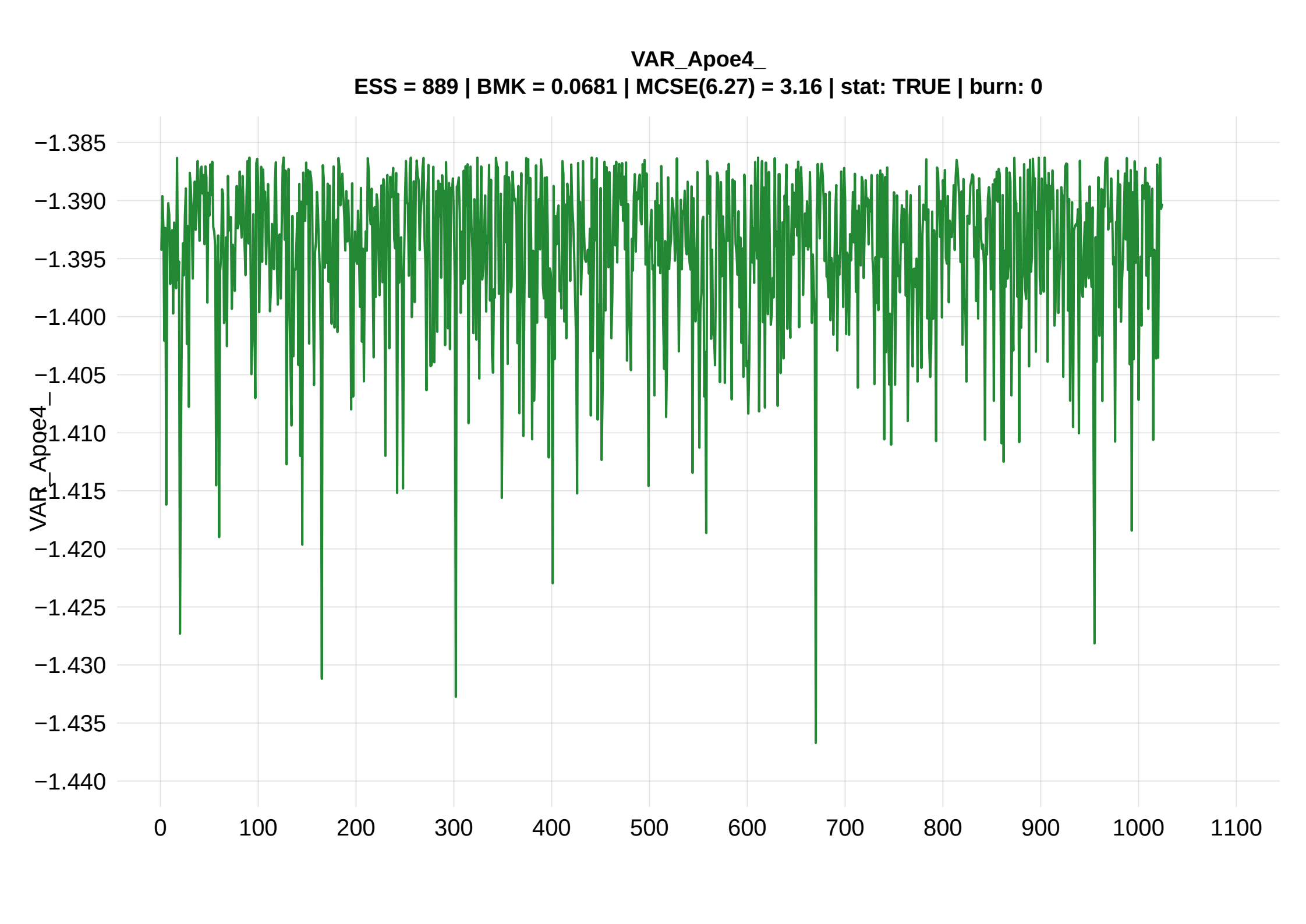

VAR_AVDEL30MIN_neuro
ESS = 1020 | BMK = 0.0546 | MCSE(6.27) = 3.33 | stat: TRUE | burn: 0
VAR_AVDEL30MIN_neuro
2.65
2.60
2.55
2.50
2.45
2.40
2.35
2.30
2.25
2.20
0
100
200
300
400
500
600
700
800
900
1000
1100

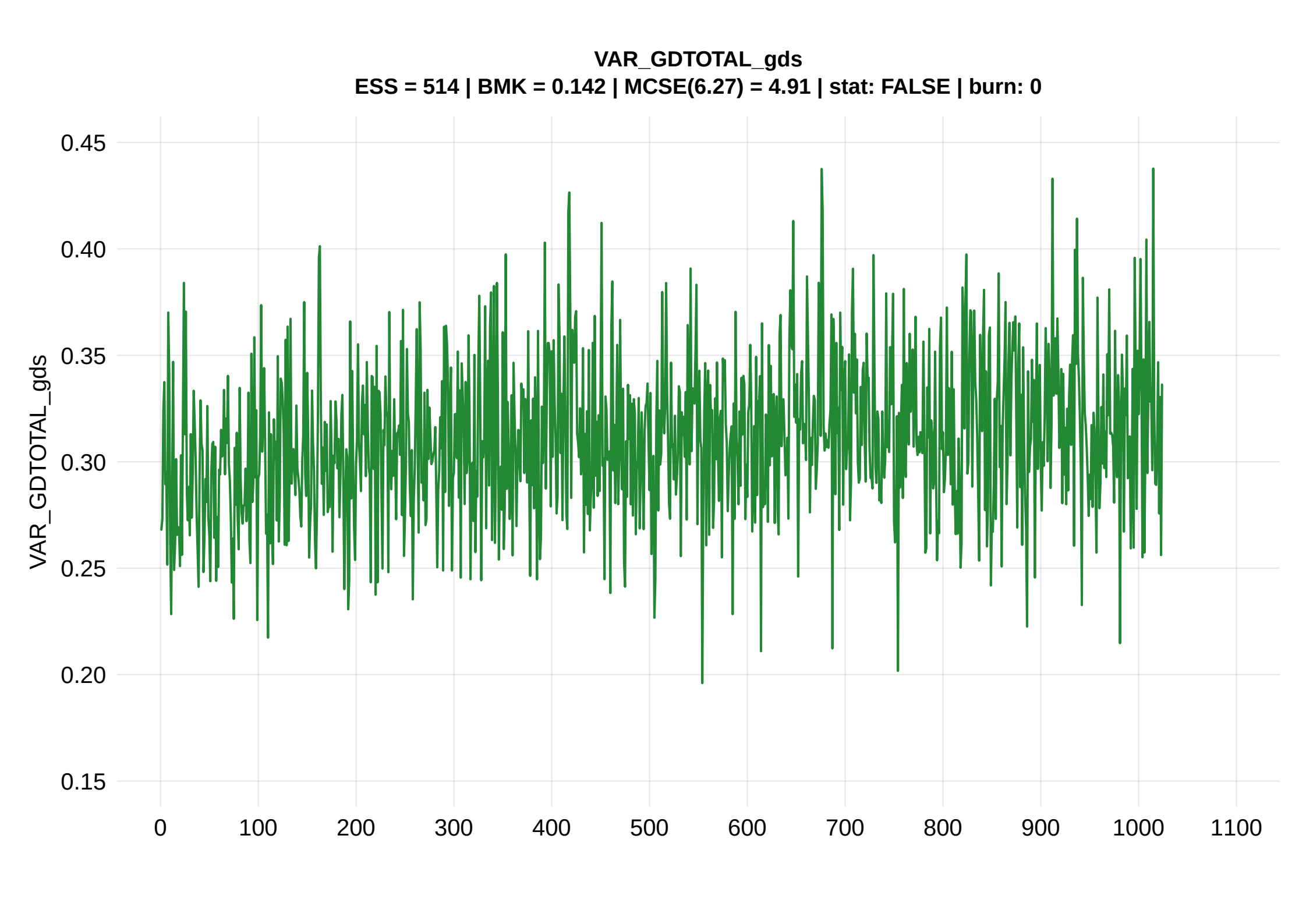

VAR_AVDELTOT_neuro
ESS = 212 | BMK = 0.141 | MCSE(6.27) = 6.72 | stat: FALSE | burn: 0
VAR_AVDELTOT_neuro
2.45
2.40
2.35
2.30
2.25
2.20
2.15
2.10
2.05
2.00
0
100
200
300
400
500
600
700
800
900
1000
1100

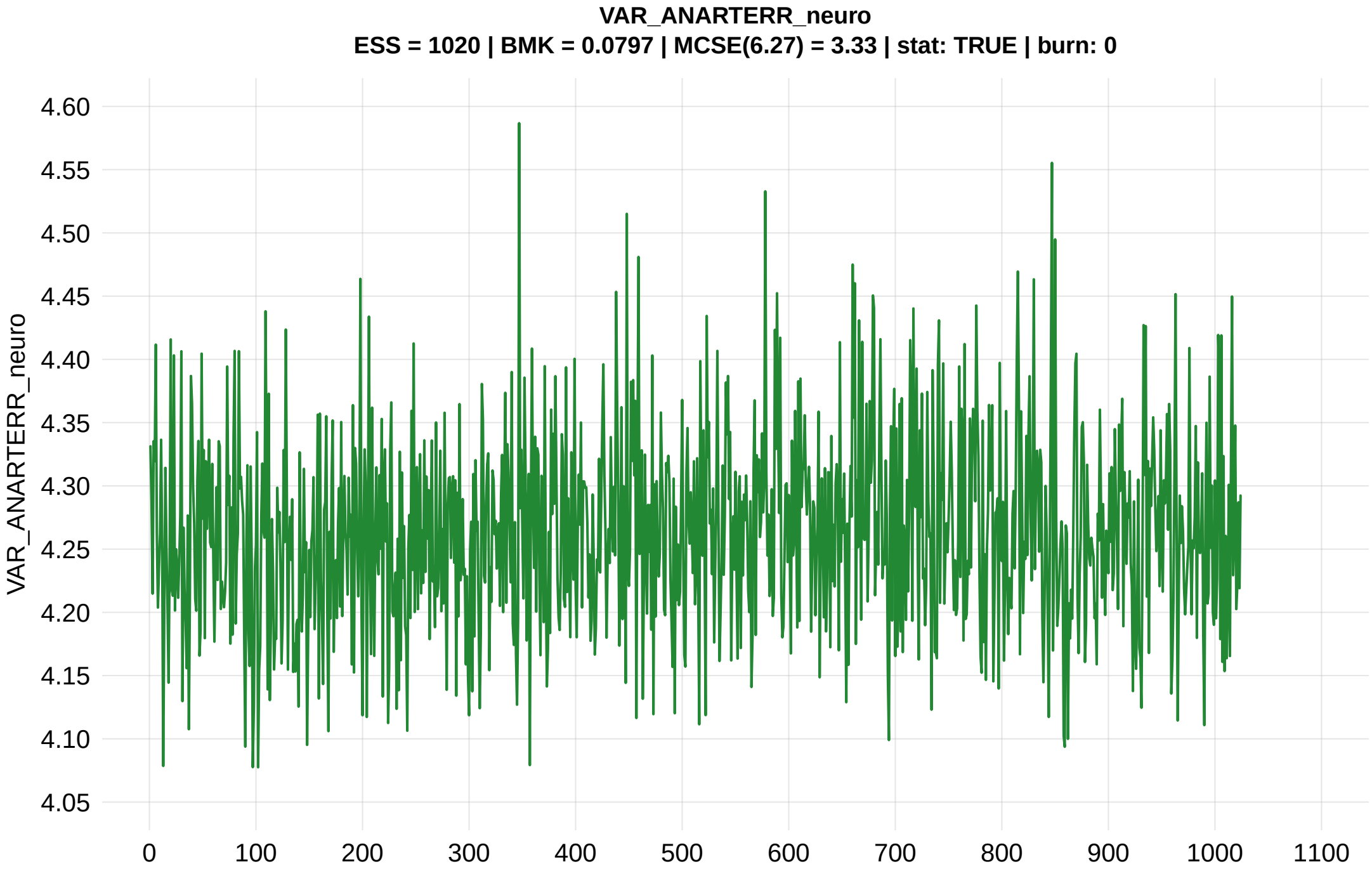

VAR_TRAASCOR_neuro
ESS = 1020 | BMK = 0.104 | MCSE(6.27) = 2.56 | stat: TRUE | burn: 0
VAR_TRAASCOR_neuro
6.3
6.2
6.1
6.0
5.9
5.8
5.7
5.6
5.5
5.4
5.3
5.2
0
100
200
300
400
500
600
700
800
900
1000
1100

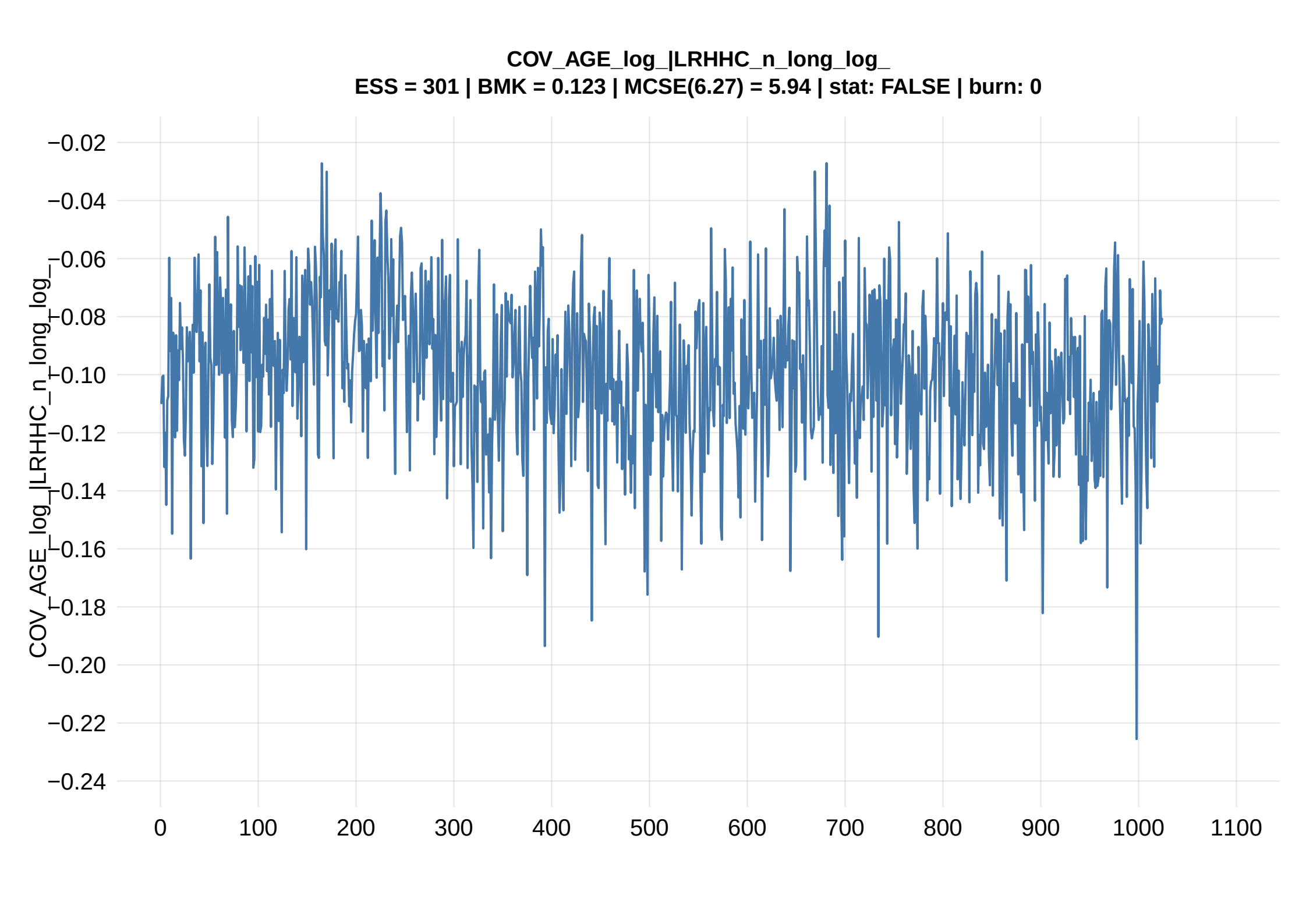

VAR_TRABSCOR_neuro
ESS = 1020 | BMK = 0.0338 | MCSE(6.27) = 3.17 | stat: TRUE | burn: 0
VAR_TRABSCOR_neuro
8.60
8.55
8.50
8.45
8.40
8.35
8.30
8.25
8.20
8.15
8.10
0
100
200
300
400
500
600
700
800
900
1000
1100

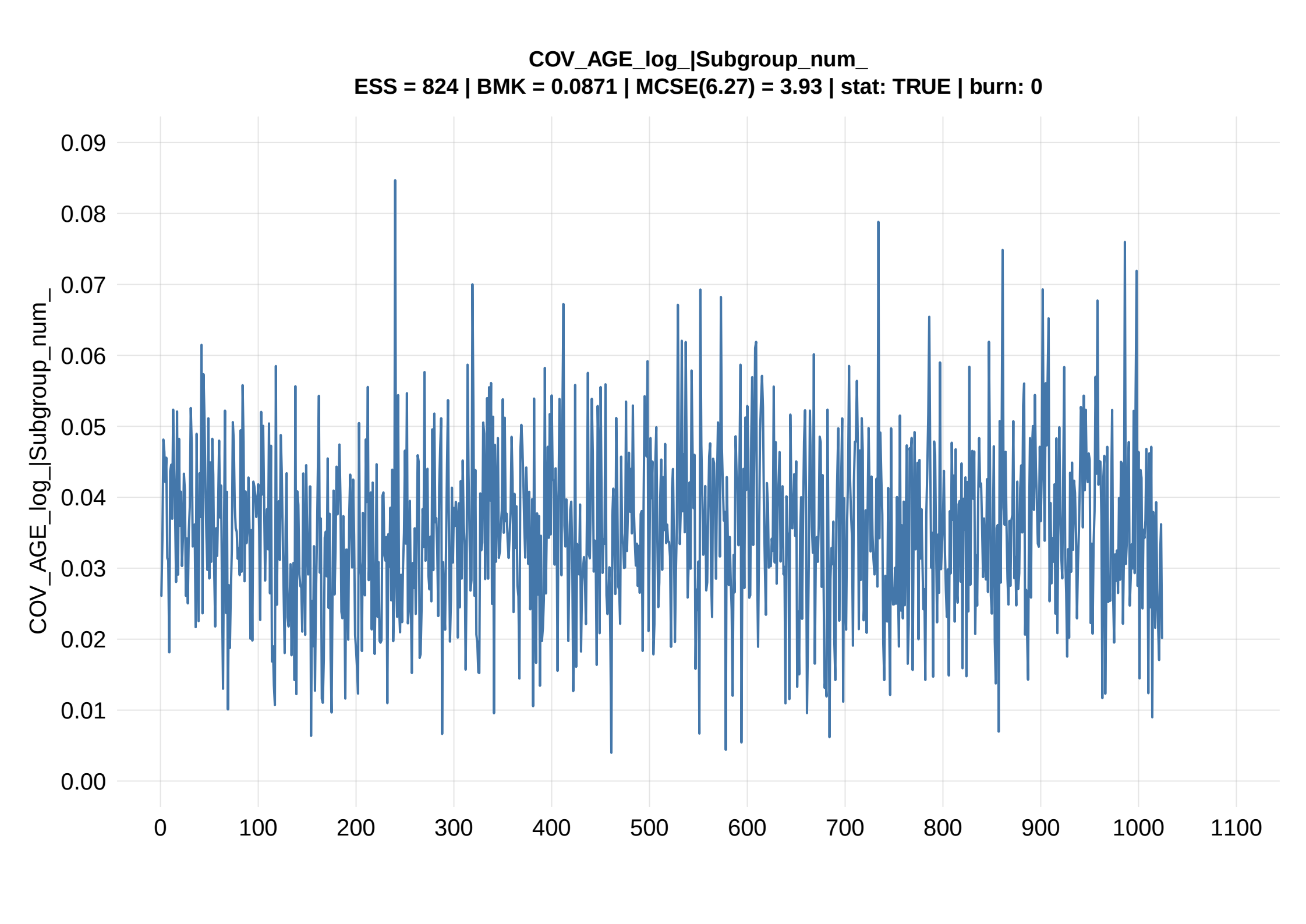

VAR_CATANIMSC_neuro
ESS = 561 | BMK = 0.0707 | MCSE(6.27) = 4.01 | stat: TRUE | burn: 0
VAR_CATANIMSC_neuro
3.20
3.15
3.10
3.05
3.00
2.95
2.90
2.85
2.80
0
100
200
300
400
500
600
700
800
900
1000
1100

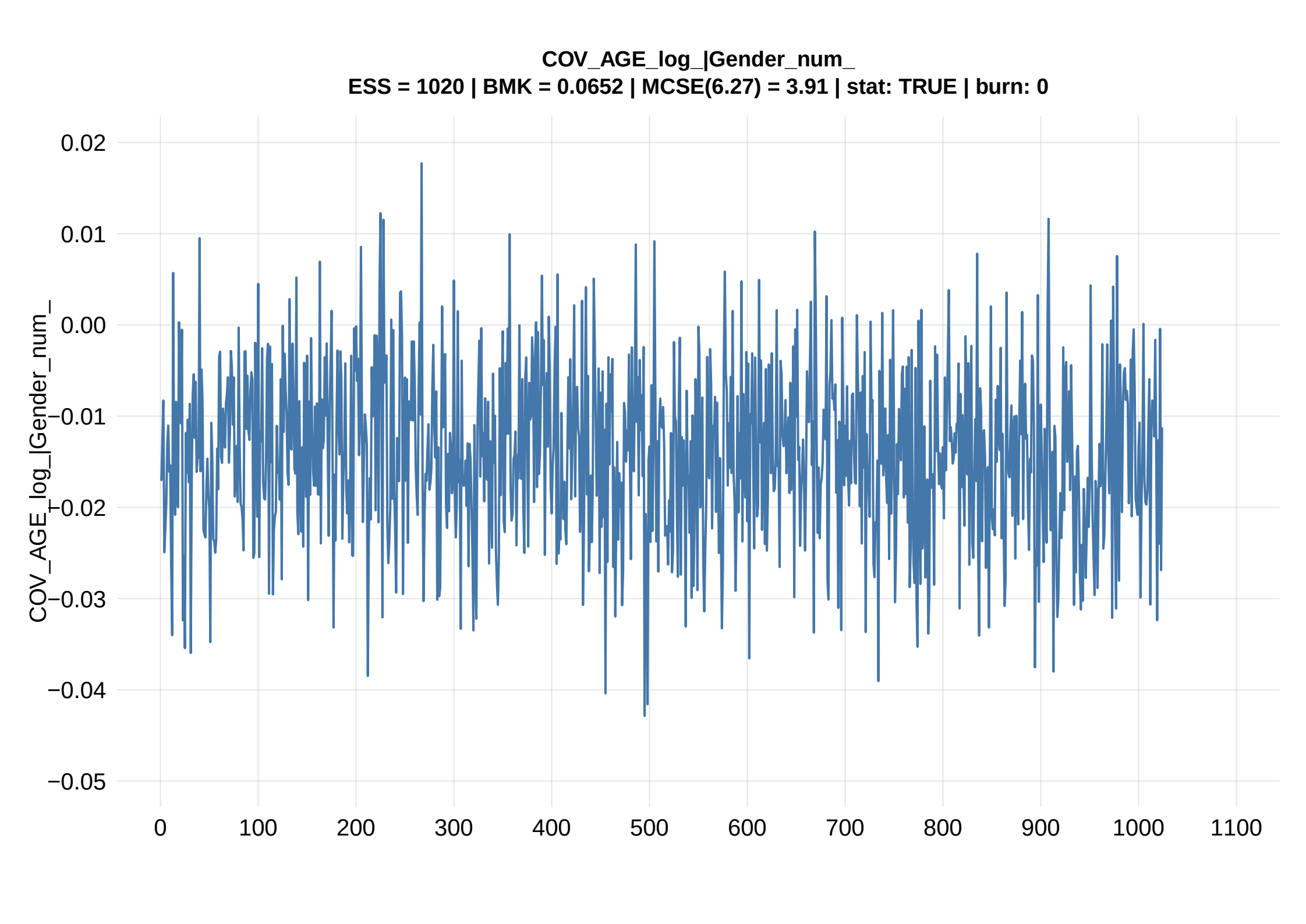

VAR_Apoe4_
ESS = 889 | BMK = 0.0681 | MCSE(6.27) = 3.16 | stat: TRUE | burn: 0
VAR_Apoe4_
−1.385
−1.390
−1.395
−1.400
−1.405
−1.410
−1.415
−1.420
−1.425
−1.430
−1.435
−1.440
0
100
200
300
400
500
600
700
800
900
1000
1100

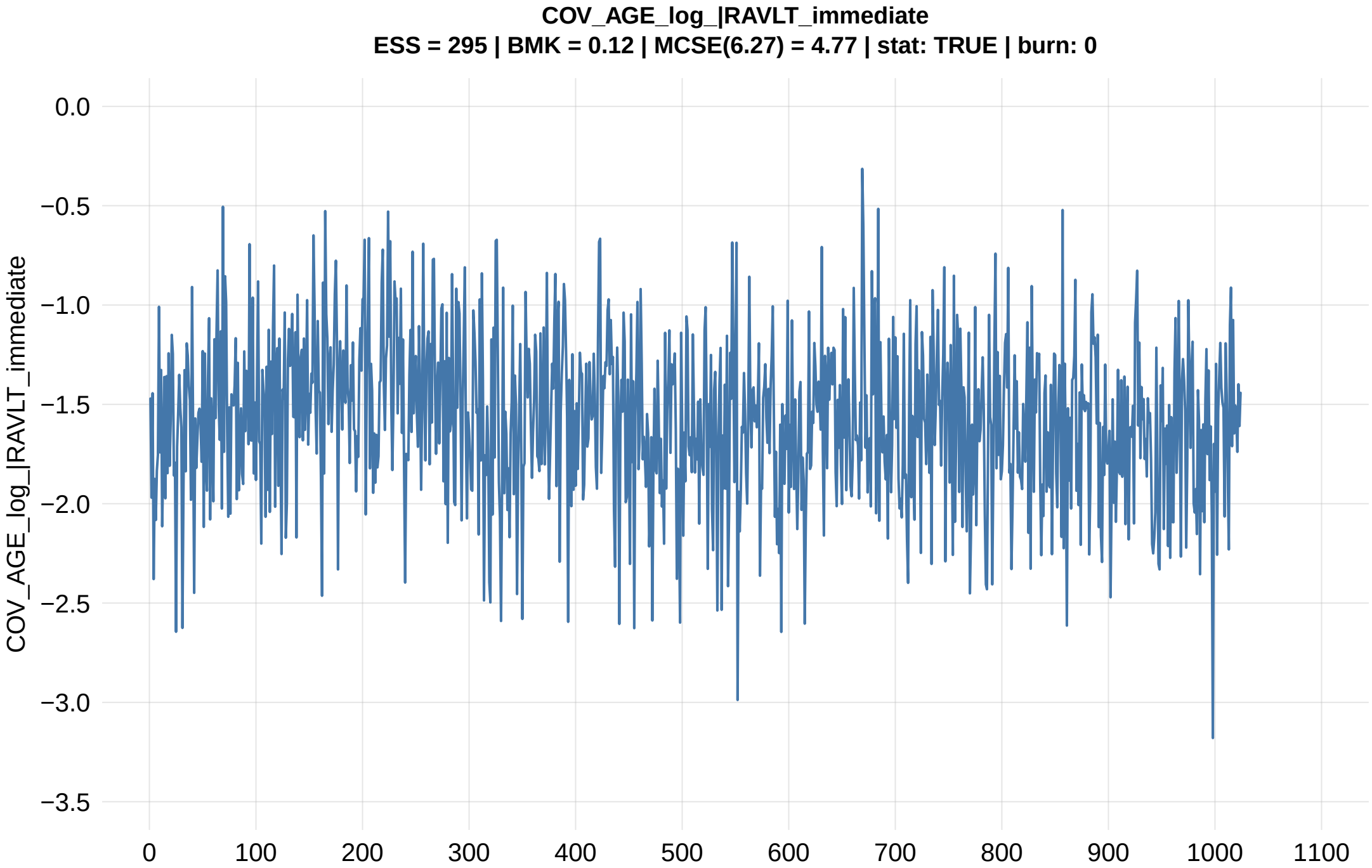

VAR_GDTOTAL_gds
ESS = 514 | BMK = 0.142 | MCSE(6.27) = 4.91 | stat: FALSE | burn: 0
VAR_GDTOTAL_gds
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0
100
200
300
400
500
600
700
800
900
1000
1100

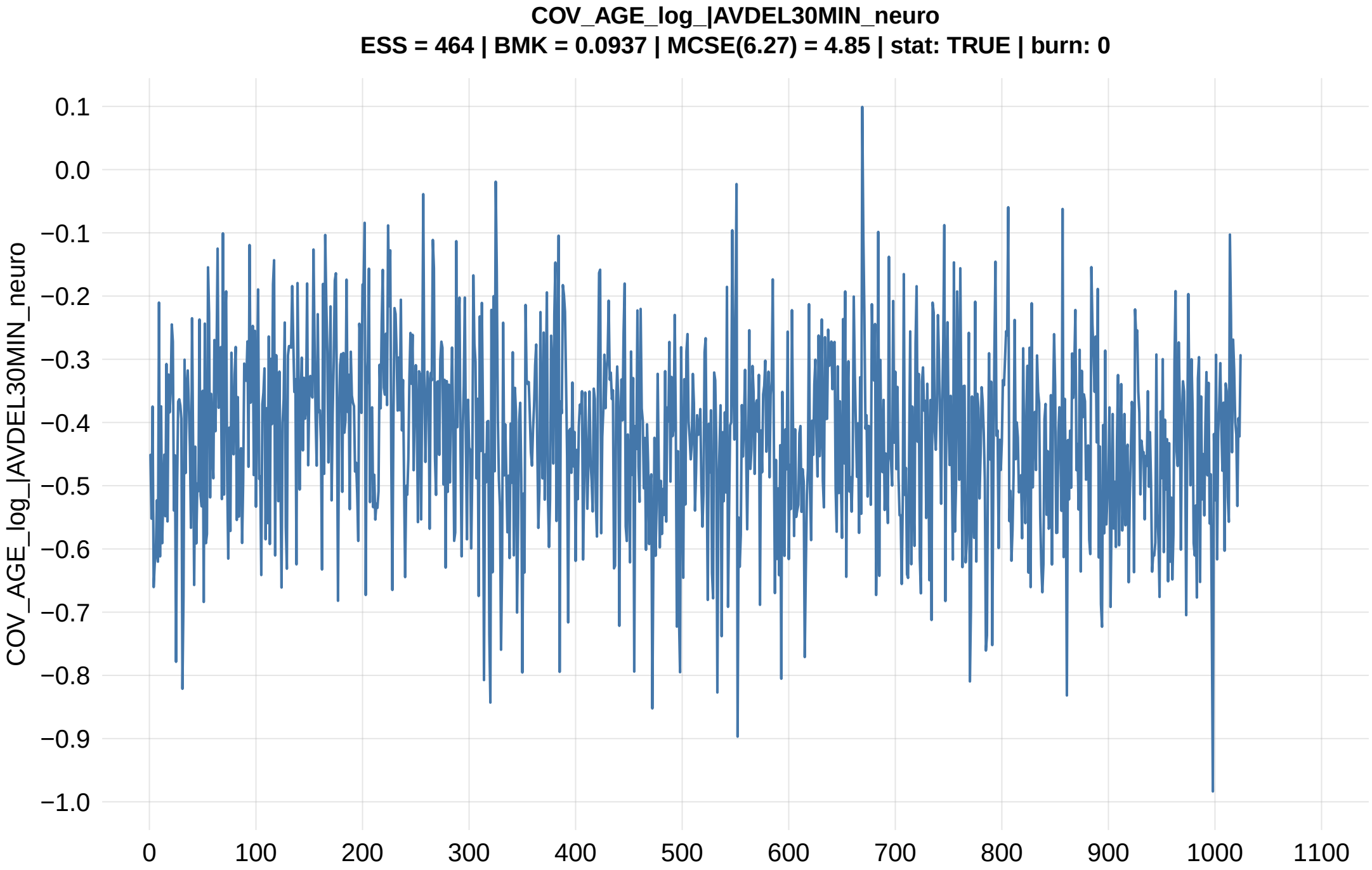

VAR_ANARTERR_neuro
ESS = 1020 | BMK = 0.0797 | MCSE(6.27) = 3.33 | stat: TRUE | burn: 0
VAR_ANARTERR_neuro
4.60
4.55
4.50
4.45
4.40
4.35
4.30
4.25
4.20
4.15
4.10
4.05
0
100
200
300
400
500
600
700
800
900
1000
1100

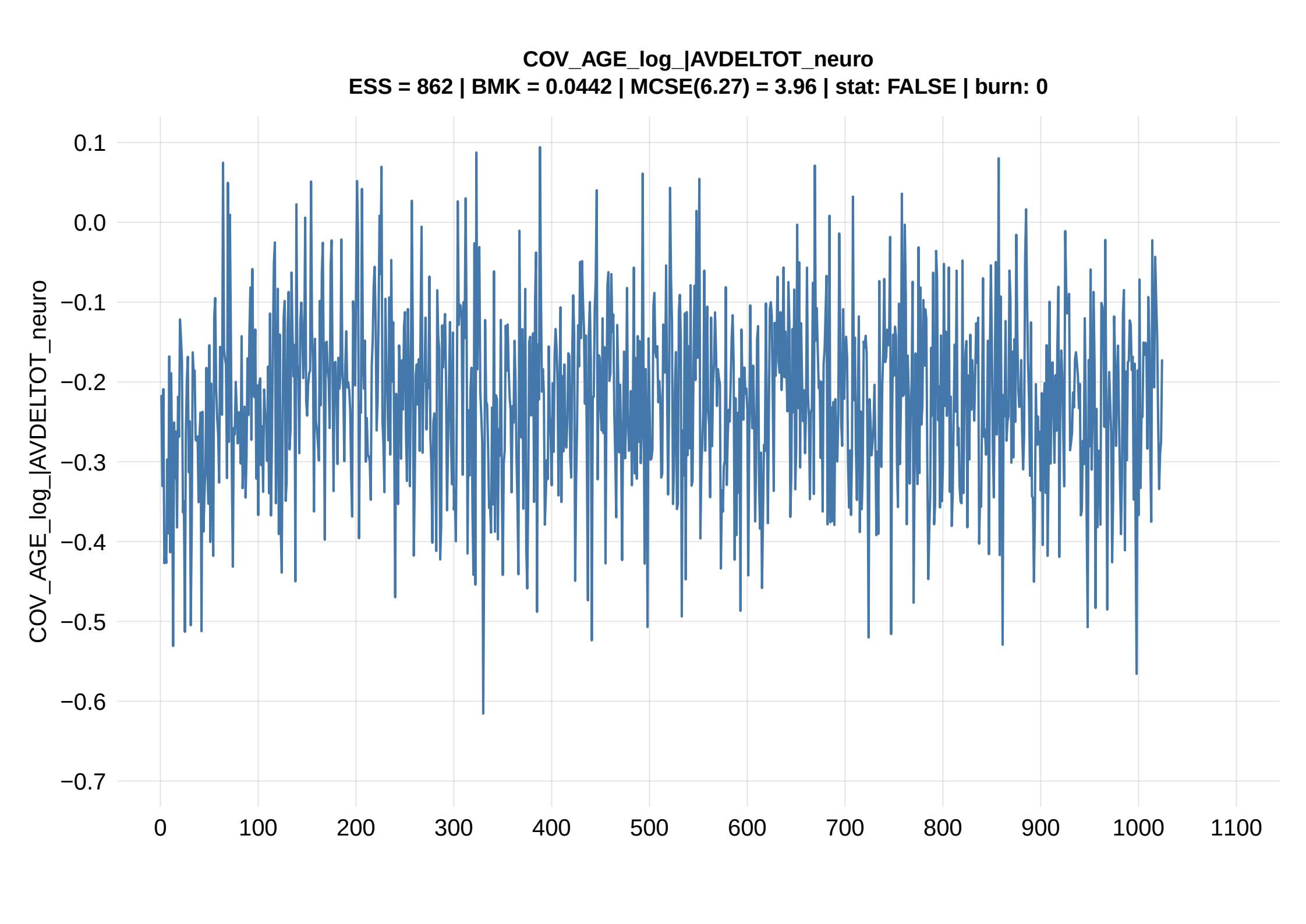

COV_AGE_log_|LRHHC_n_long_log_
ESS = 301 | BMK = 0.123 | MCSE(6.27) = 5.94 | stat: FALSE | burn: 0
COV_AGE_log_|LRHHC_n_long_log_
−0.02
−0.04
−0.06
−0.08
−0.10
−0.12
−0.14
−0.16
−0.18
−0.20
−0.22
−0.24
0
100
200
300
400
500
600
700
800
900
1000
1100

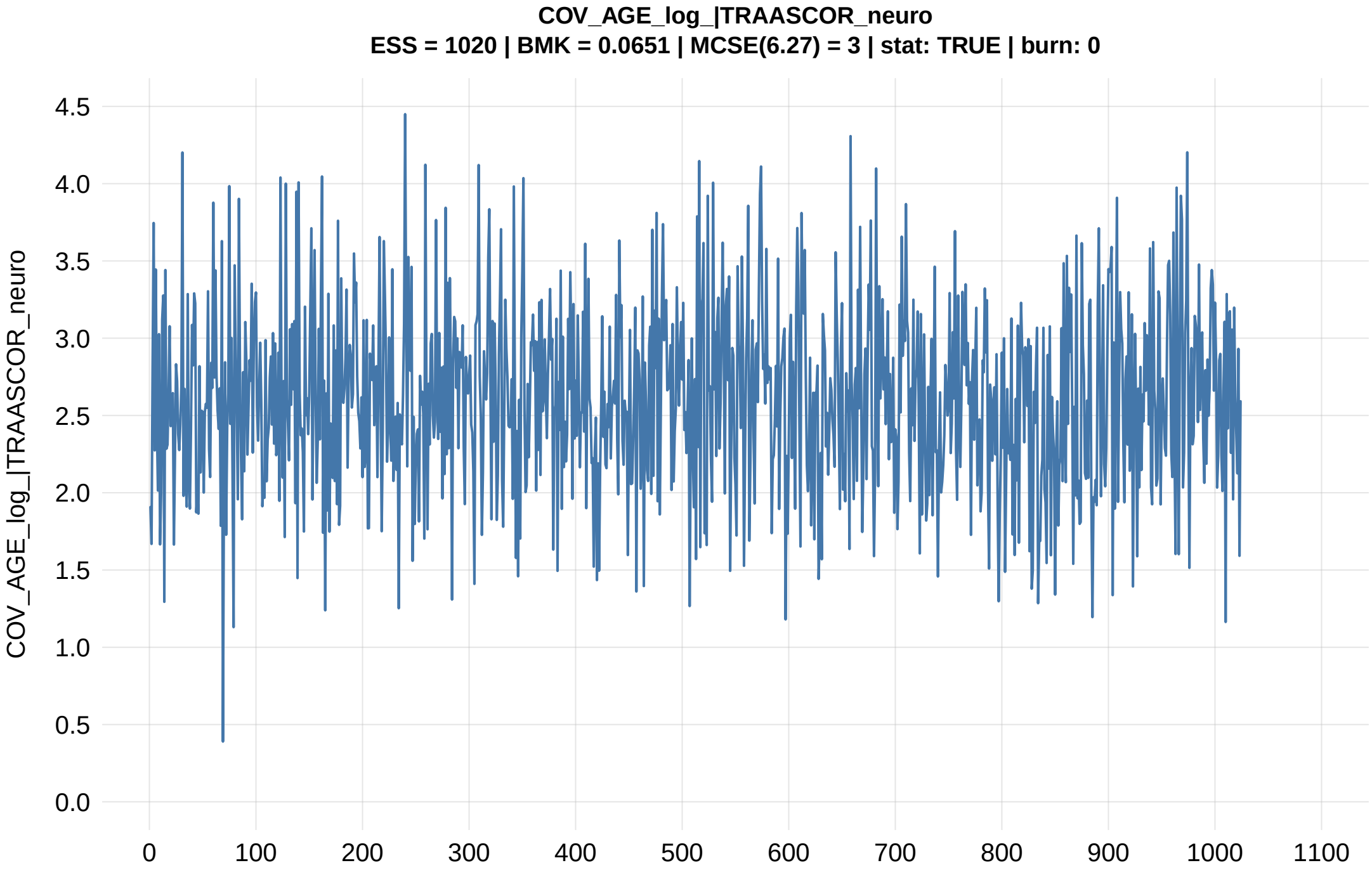

COV_AGE_log_|Subgroup_num_
ESS = 824 | BMK = 0.0871 | MCSE(6.27) = 3.93 | stat: TRUE | burn: 0
COV_AGE_log_|Subgroup_num_
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0
100
200
300
400
500
600
700
800
900
1000
1100

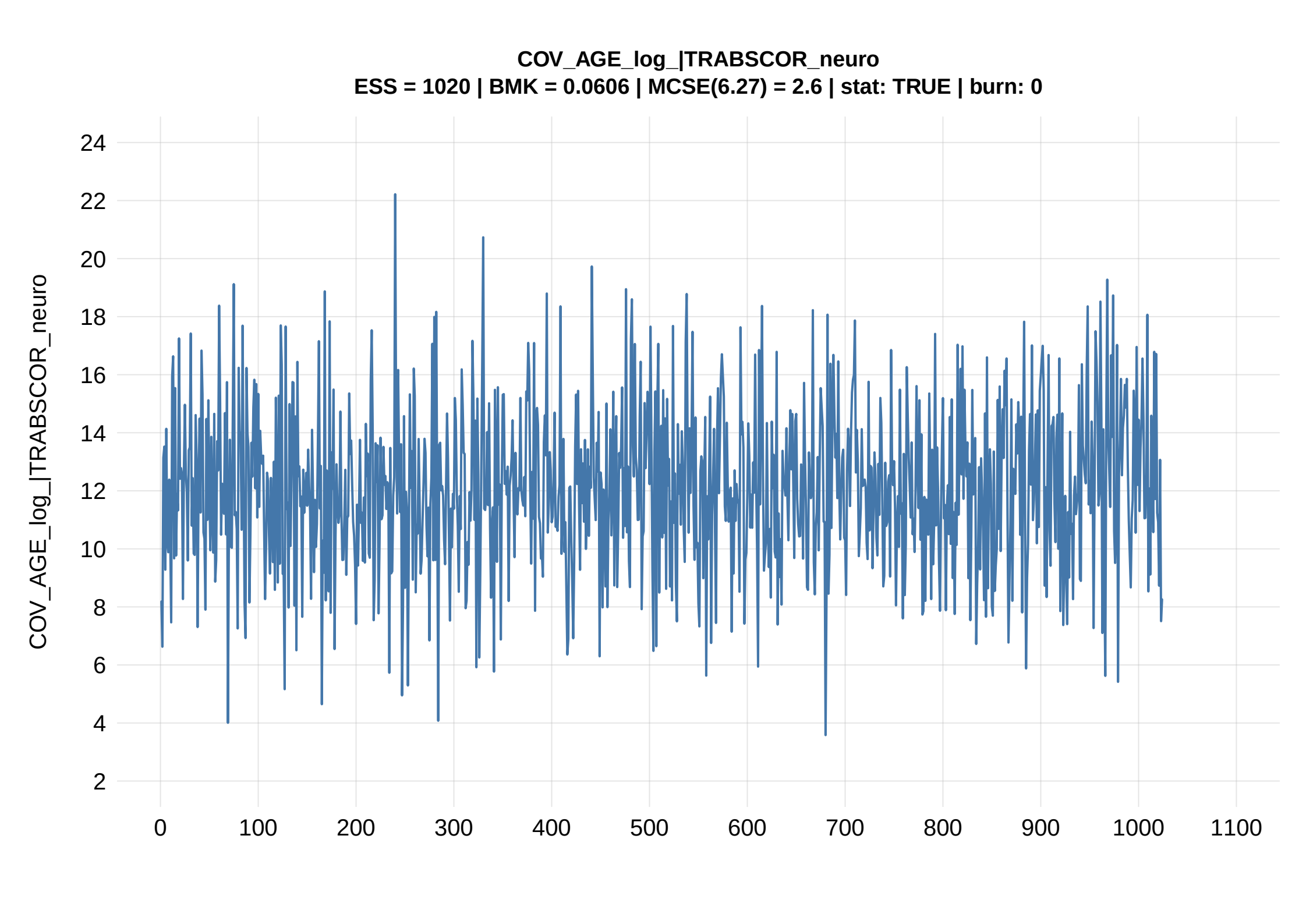

COV_AGE_log_|Gender_num_
ESS = 1020 | BMK = 0.0652 | MCSE(6.27) = 3.91 | stat: TRUE | burn: 0
COV_AGE_log_|Gender_num_
0.02
0.01
0.00
−0.01
−0.02
−0.03
−0.04
−0.05
0
100
200
300
400
500
600
700
800
900
1000
1100

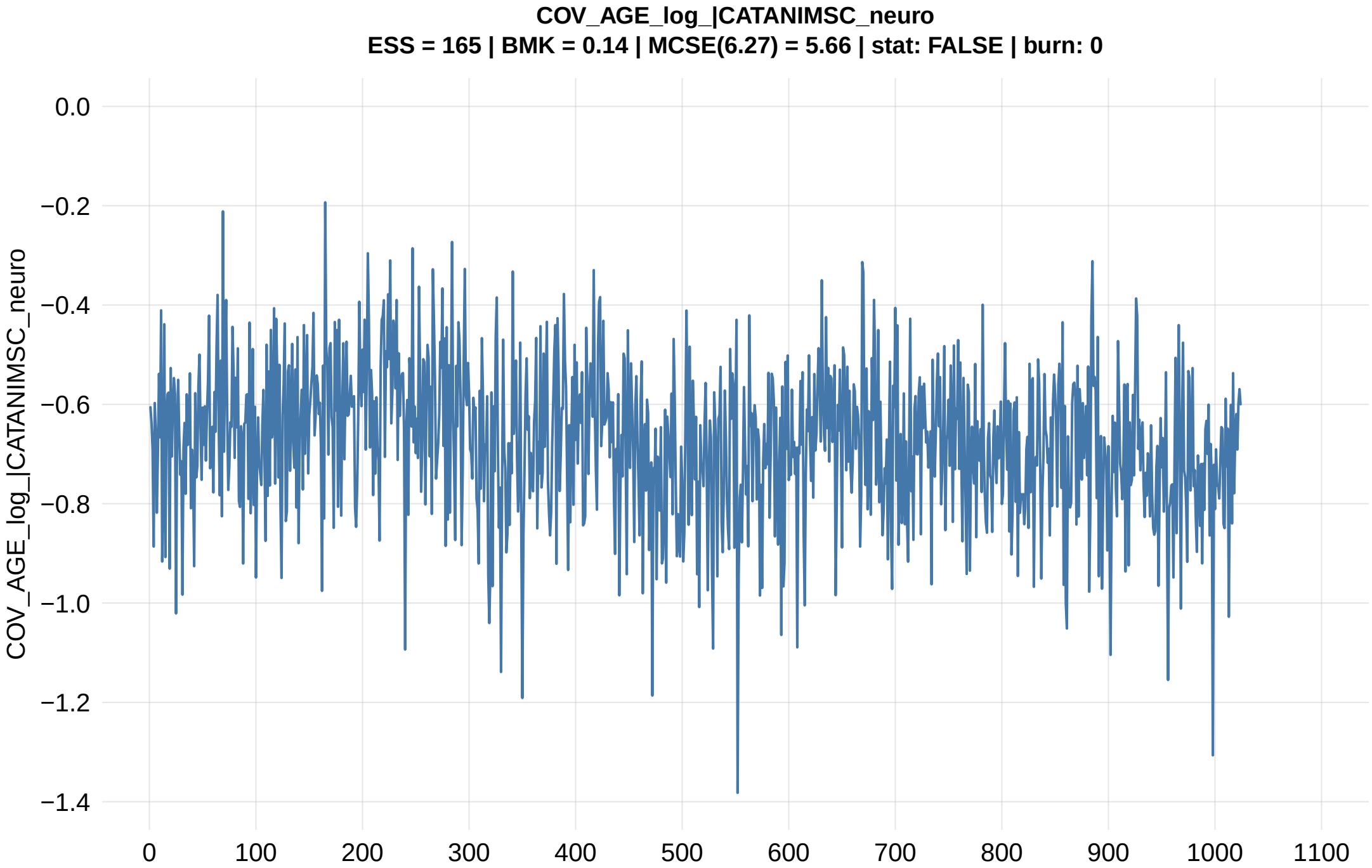

COV_AGE_log_|RAVLT_immediate
ESS = 295 | BMK = 0.12 | MCSE(6.27) = 4.77 | stat: TRUE | burn: 0
COV_AGE_log_|RAVLT_immediate
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
−3.5
0
100
200
300
400
500
600
700
800
900
1000
1100

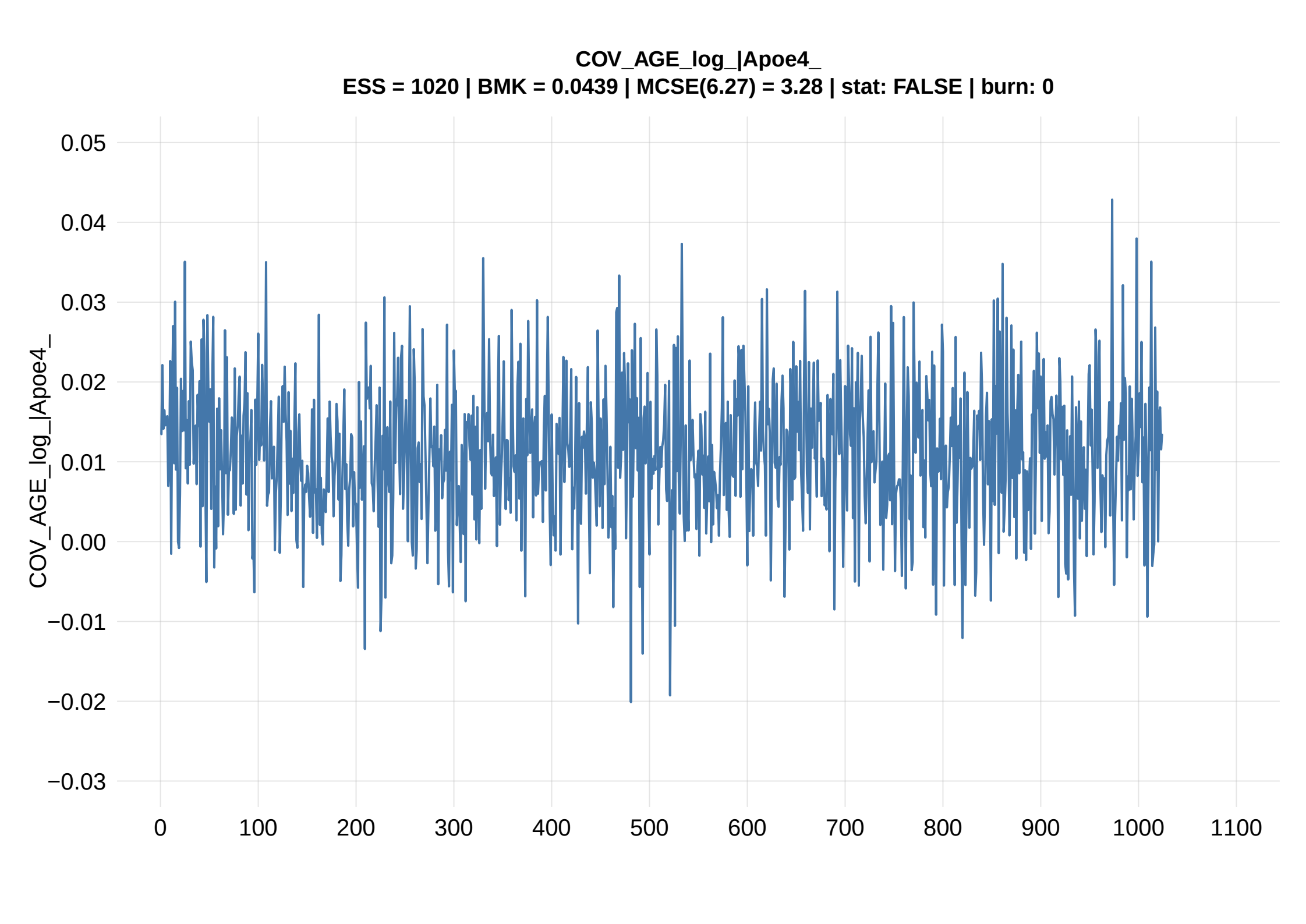

COV_AGE_log_|AVDEL30MIN_neuro
ESS = 464 | BMK = 0.0937 | MCSE(6.27) = 4.85 | stat: TRUE | burn: 0
COV_AGE_log_|AVDEL30MIN_neuro
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
−1.0
0
100
200
300
400
500
600
700
800
900
1000
1100

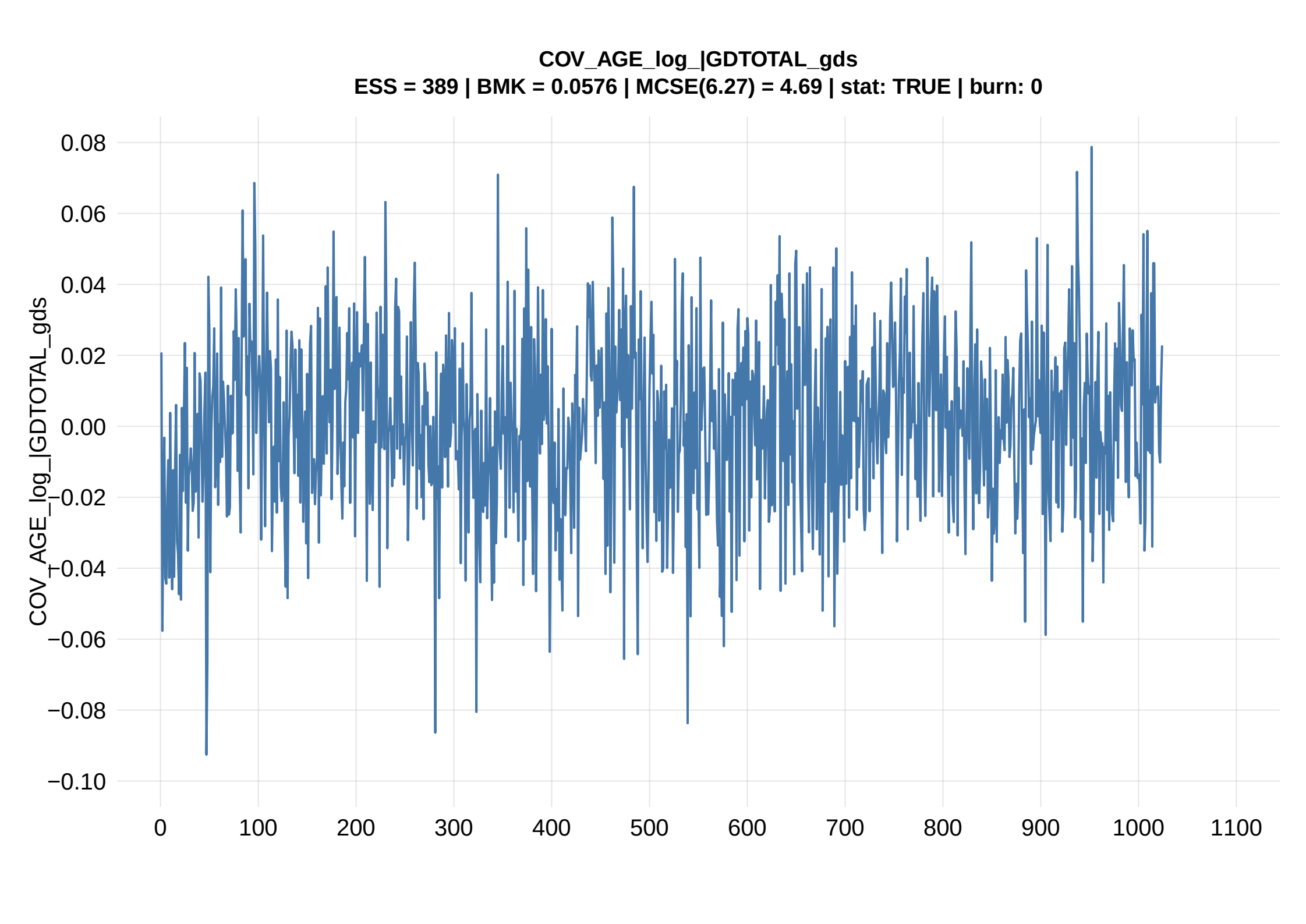

COV_AGE_log_|AVDELTOT_neuro
ESS = 862 | BMK = 0.0442 | MCSE(6.27) = 3.96 | stat: FALSE | burn: 0
COV_AGE_log_|AVDELTOT_neuro
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400
500
600
700
800
900
1000
1100

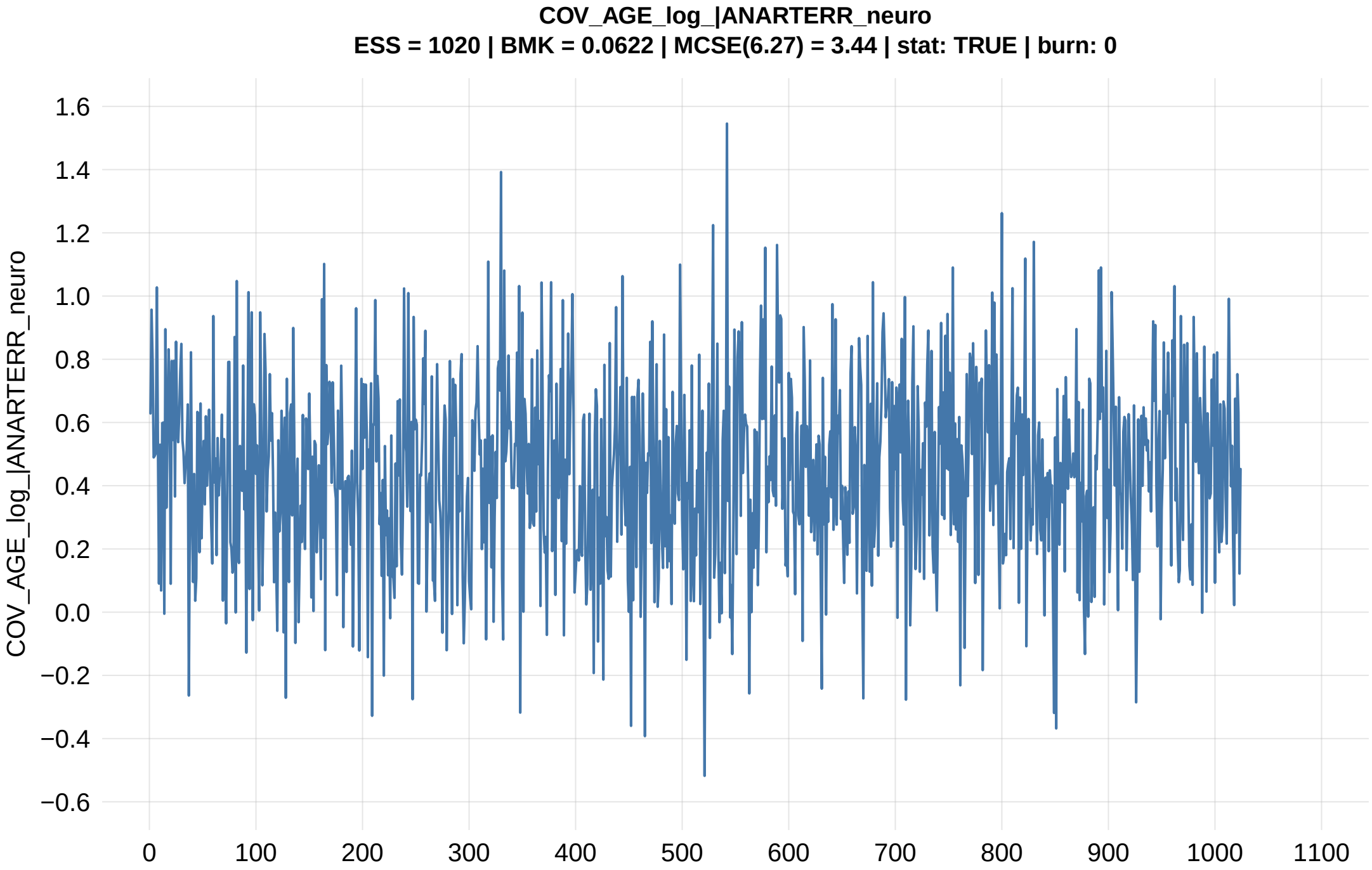

COV_AGE_log_|TRAASCOR_neuro
ESS = 1020 | BMK = 0.0651 | MCSE(6.27) = 3 | stat: TRUE | burn: 0
COV_AGE_log_|TRAASCOR_neuro
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
100
200
300
400
500
600
700
800
900
1000
1100

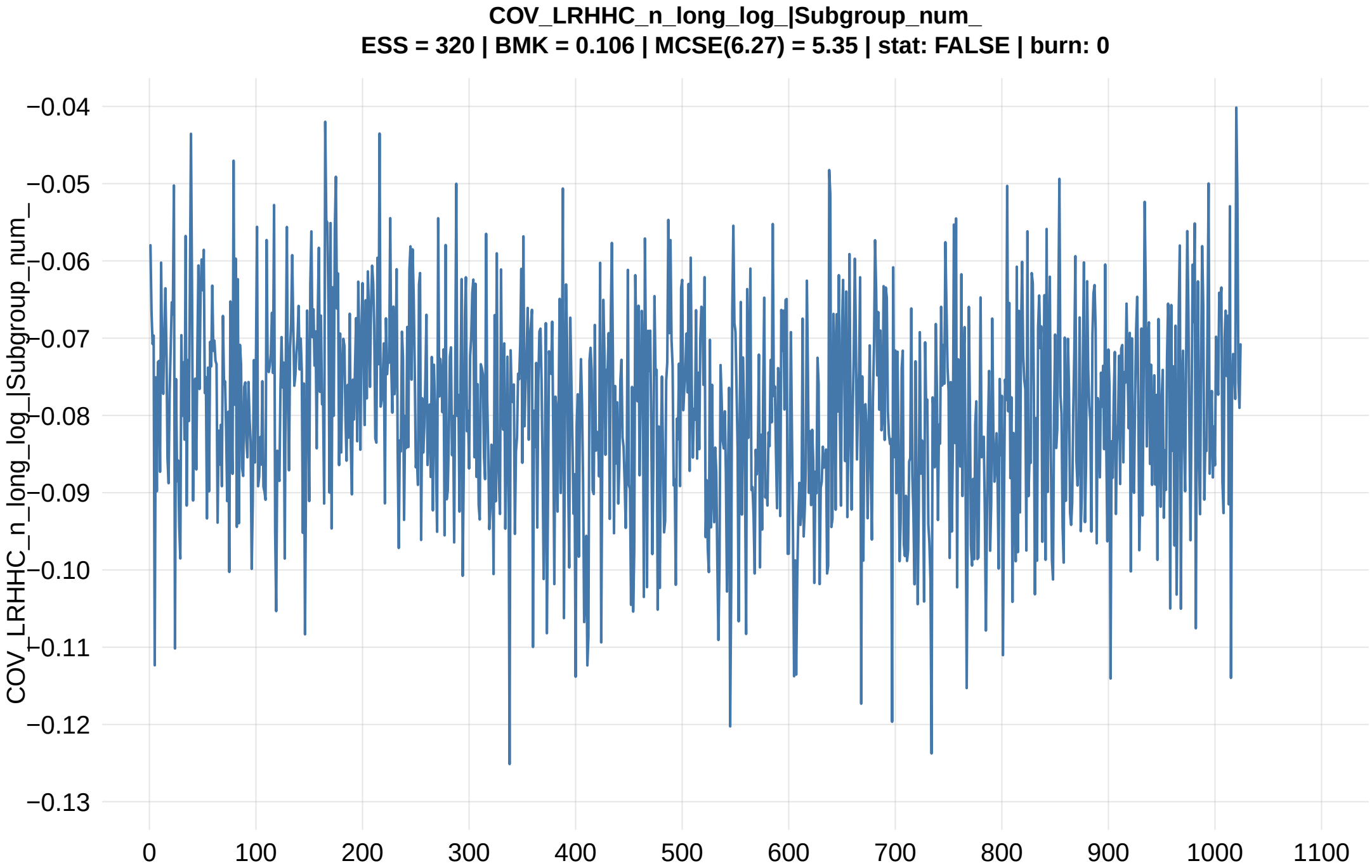

COV_AGE_log_|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0606 | MCSE(6.27) = 2.6 | stat: TRUE | burn: 0
COV_AGE_log_|TRABSCOR_neuro
24
22
20
18
16
14
12
10
8
6
4
2
0
100
200
300
400
500
600
700
800
900
1000
1100

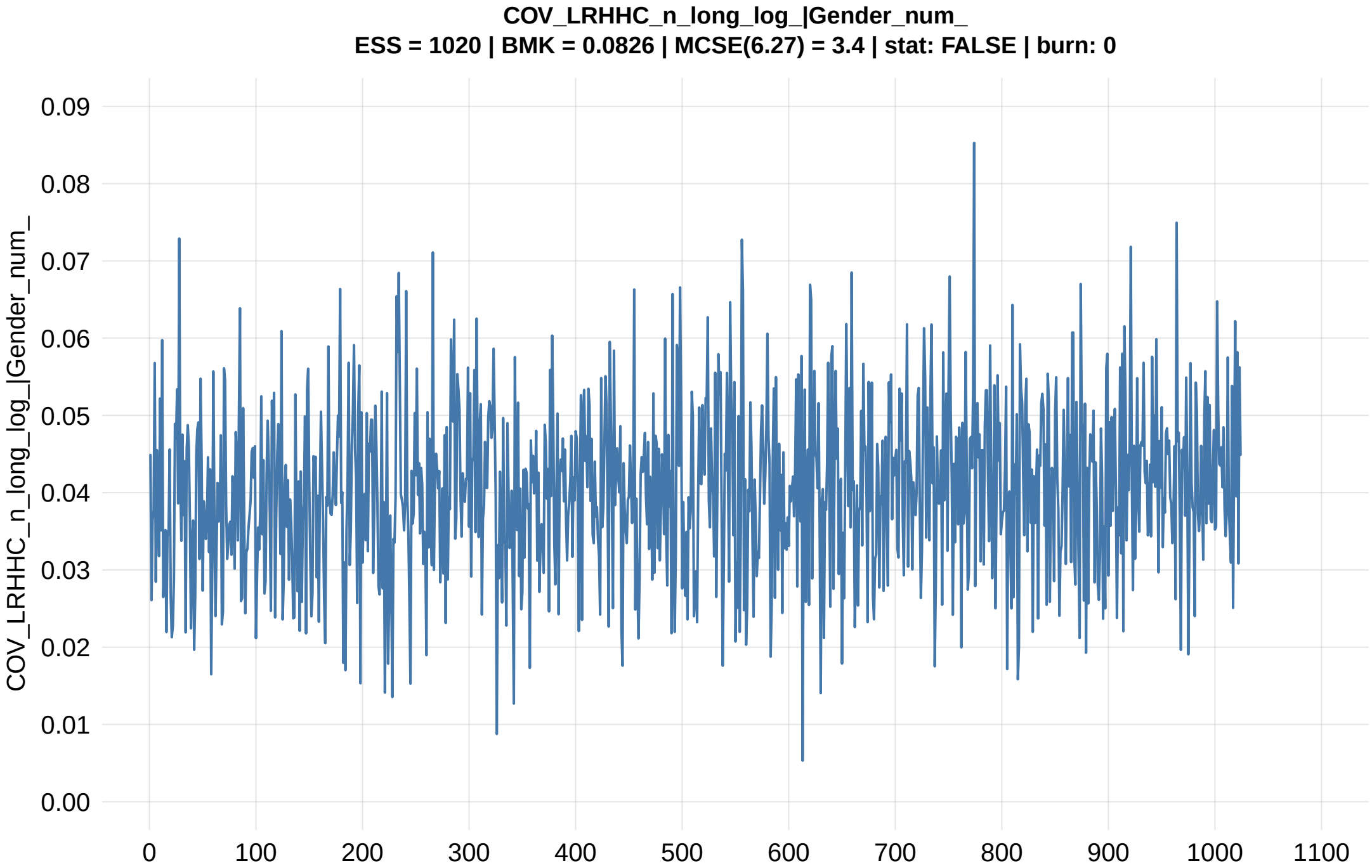

COV_AGE_log_|CATANIMSC_neuro
ESS = 165 | BMK = 0.14 | MCSE(6.27) = 5.66 | stat: FALSE | burn: 0
COV_AGE_log_|CATANIMSC_neuro
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
−1.4
0
100
200
300
400
500
600
700
800
900
1000
1100

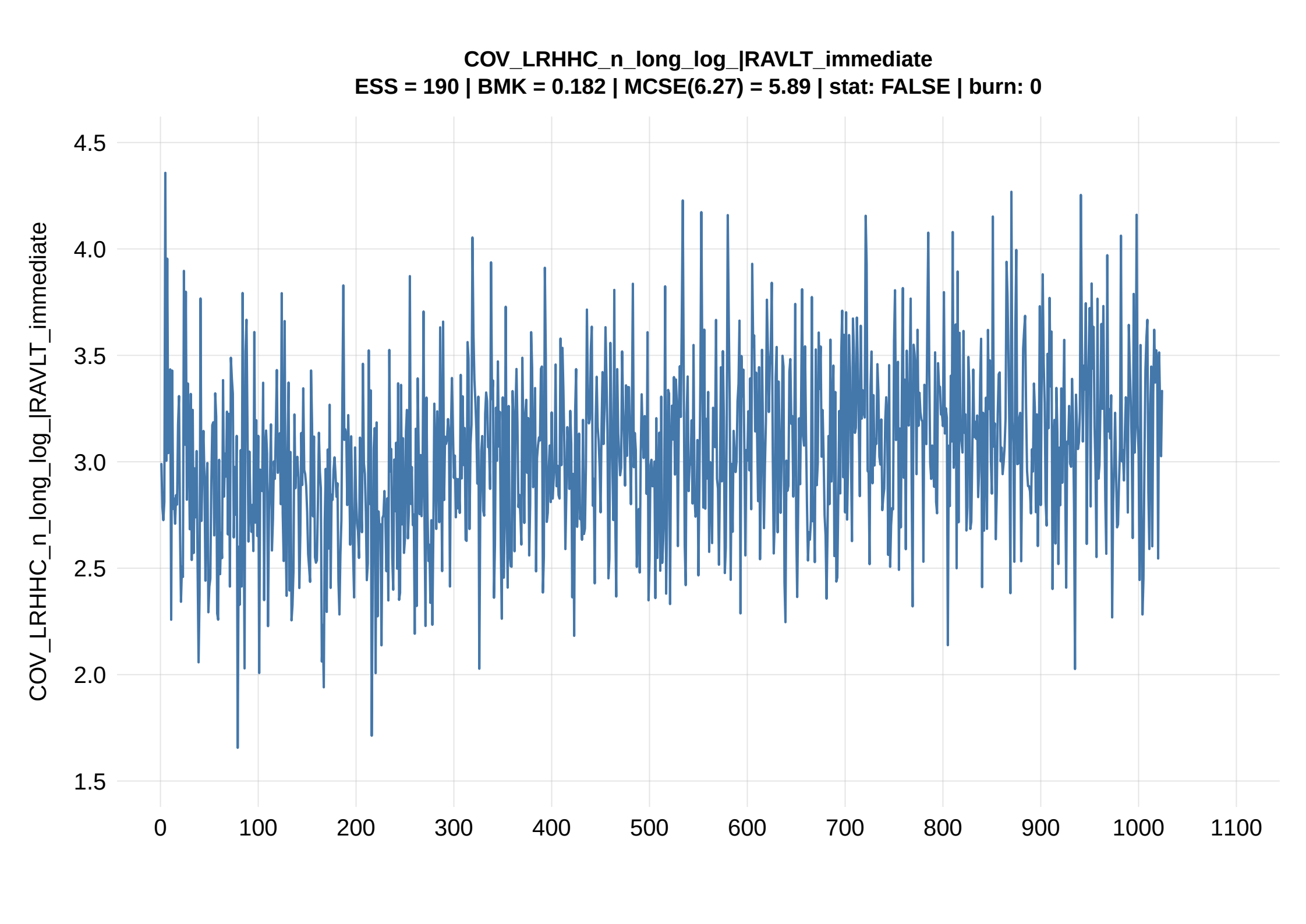

COV_AGE_log_|Apoe4_
ESS = 1020 | BMK = 0.0439 | MCSE(6.27) = 3.28 | stat: FALSE | burn: 0
COV_AGE_log_|Apoe4_
0.05
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
0
100
200
300
400
500
600
700
800
900
1000
1100

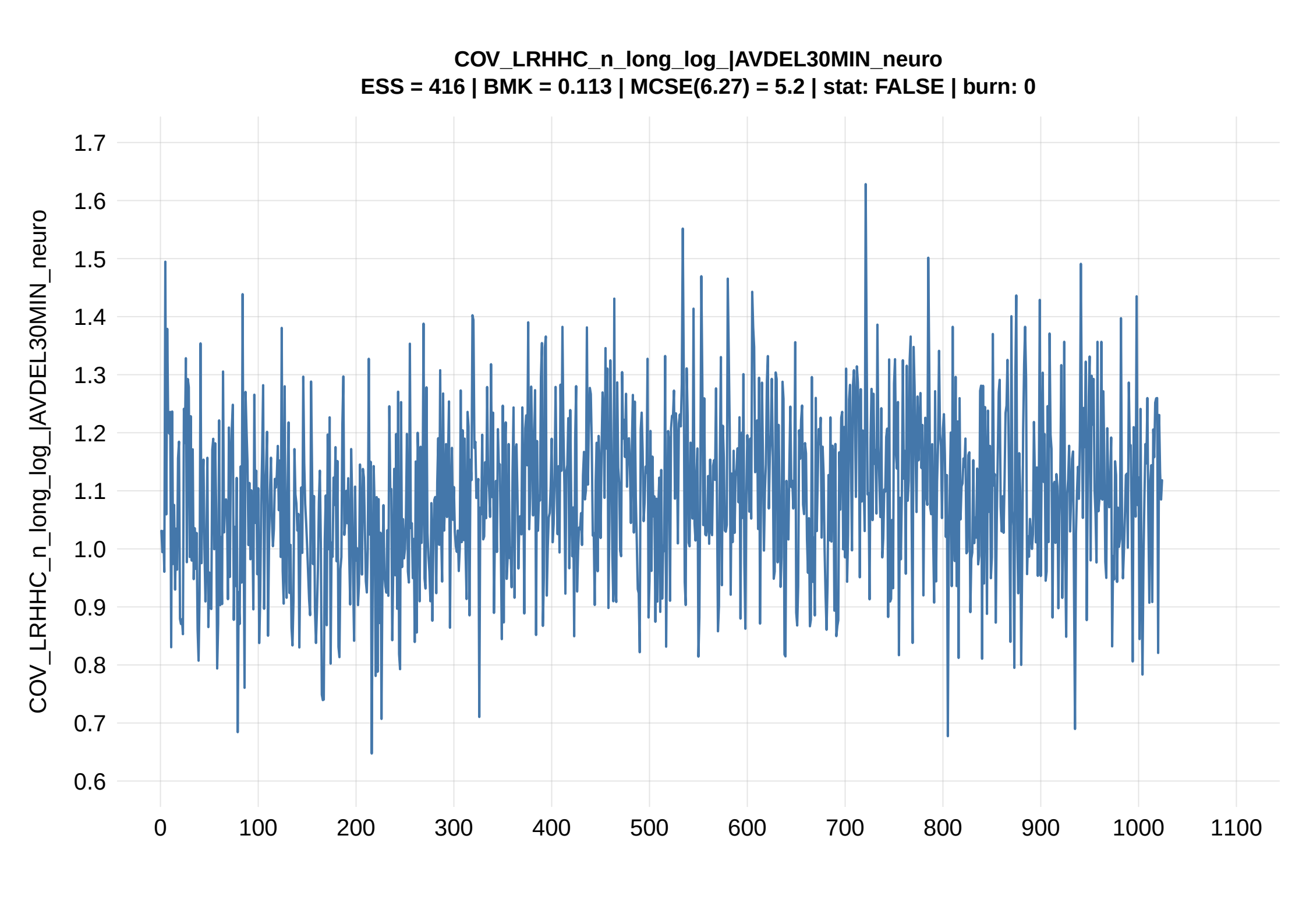

COV_AGE_log_|GDTOTAL_gds
ESS = 389 | BMK = 0.0576 | MCSE(6.27) = 4.69 | stat: TRUE | burn: 0
COV_AGE_log_|GDTOTAL_gds
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08
−0.10
0
100
200
300
400
500
600
700
800
900
1000
1100

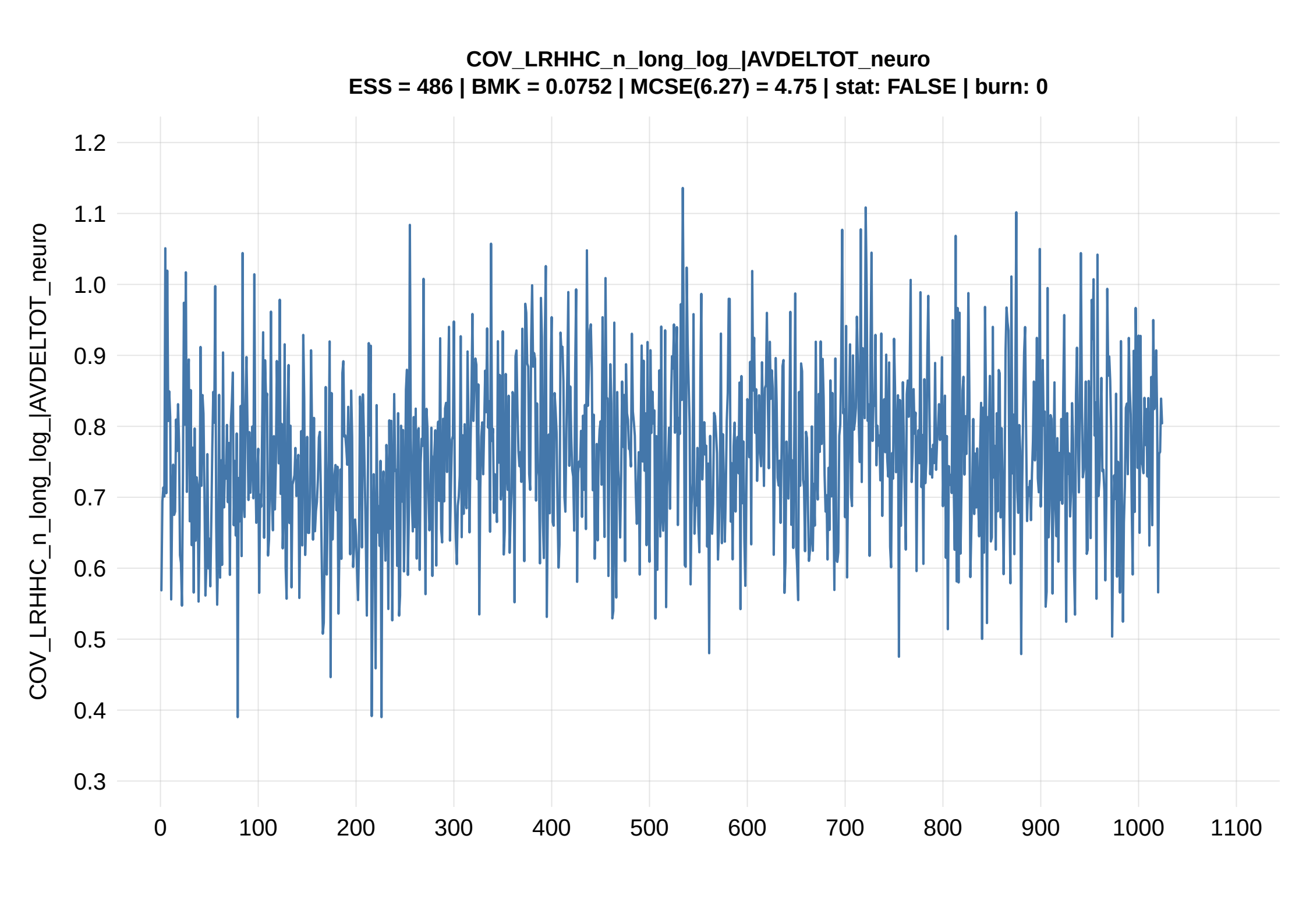

COV_AGE_log_|ANARTERR_neuro
ESS = 1020 | BMK = 0.0622 | MCSE(6.27) = 3.44 | stat: TRUE | burn: 0
COV_AGE_log_|ANARTERR_neuro
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
0
100
200
300
400
500
600
700
800
900
1000
1100

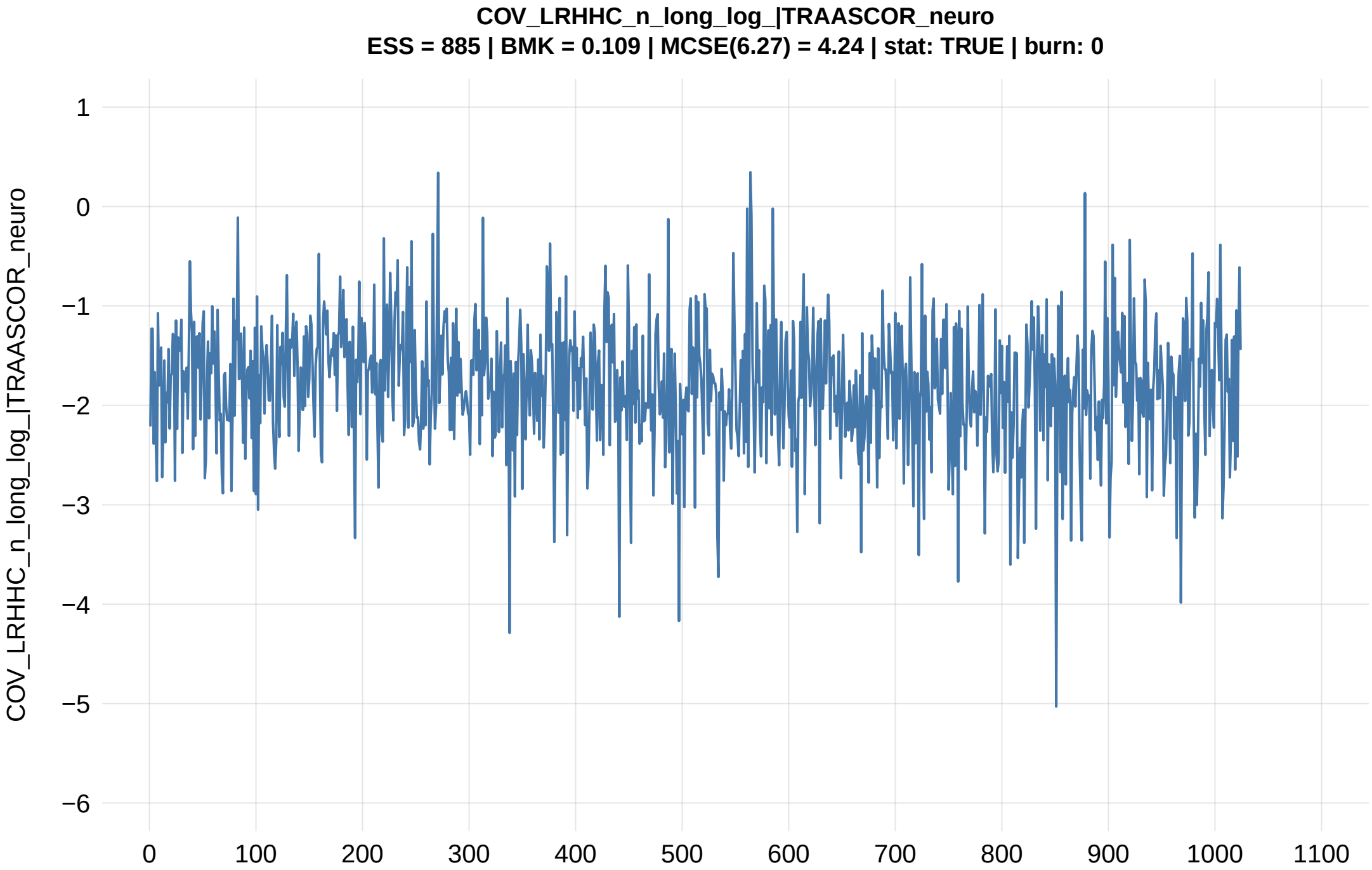

COV_LRHHC_n_long_log_|Subgroup_num_
ESS = 320 | BMK = 0.106 | MCSE(6.27) = 5.35 | stat: FALSE | burn: 0
COV_LRHHC_n_long_log_|Subgroup_num_
−0.04
−0.05
−0.06
−0.07
−0.08
−0.09
−0.10
−0.11
−0.12
−0.13
0
100
200
300
400
500
600
700
800
900
1000
1100

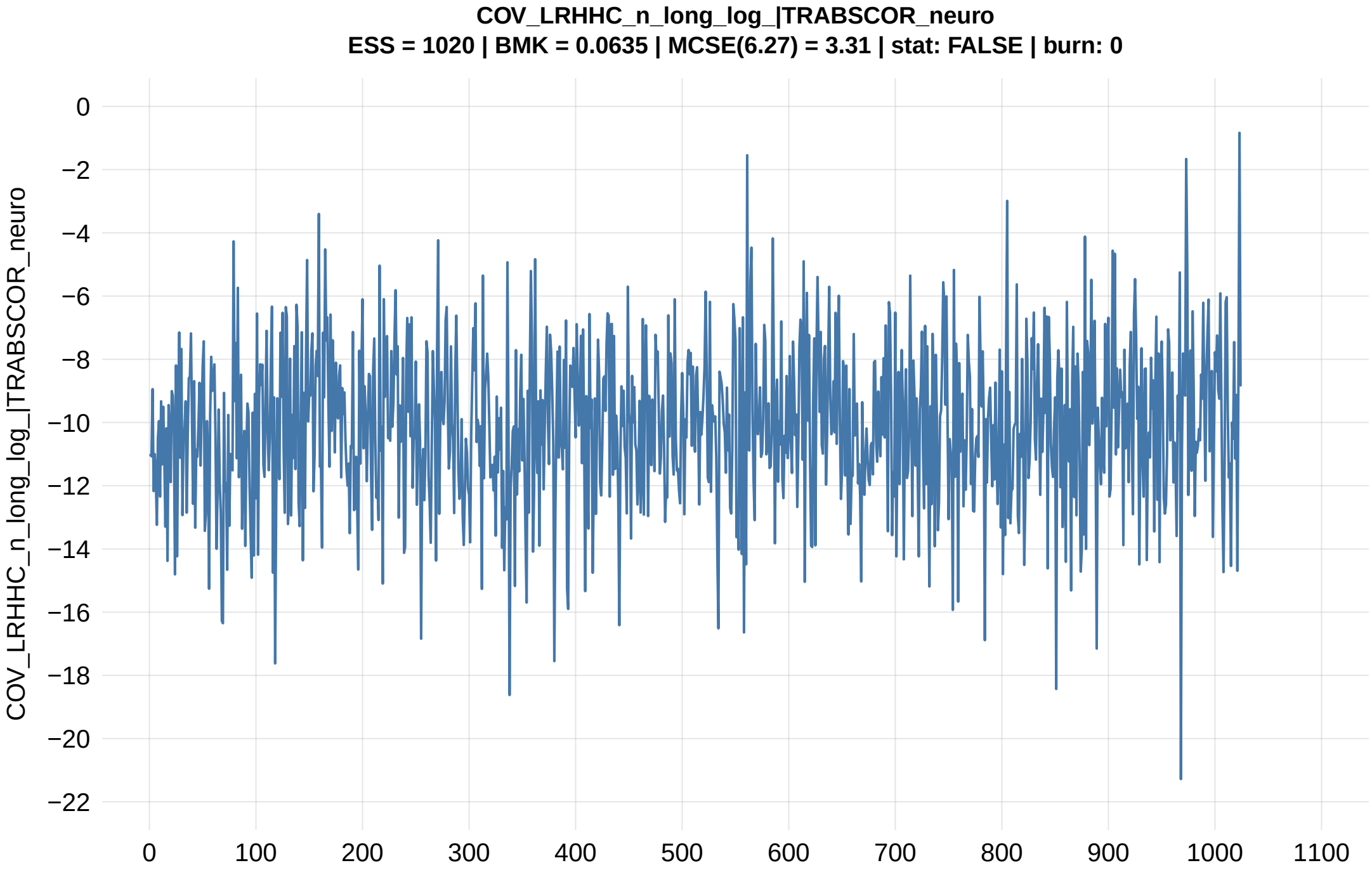

COV_LRHHC_n_long_log_|Gender_num_
ESS = 1020 | BMK = 0.0826 | MCSE(6.27) = 3.4 | stat: FALSE | burn: 0
COV_LRHHC_n_long_log_|Gender_num_
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0
100
200
300
400
500
600
700
800
900
1000
1100

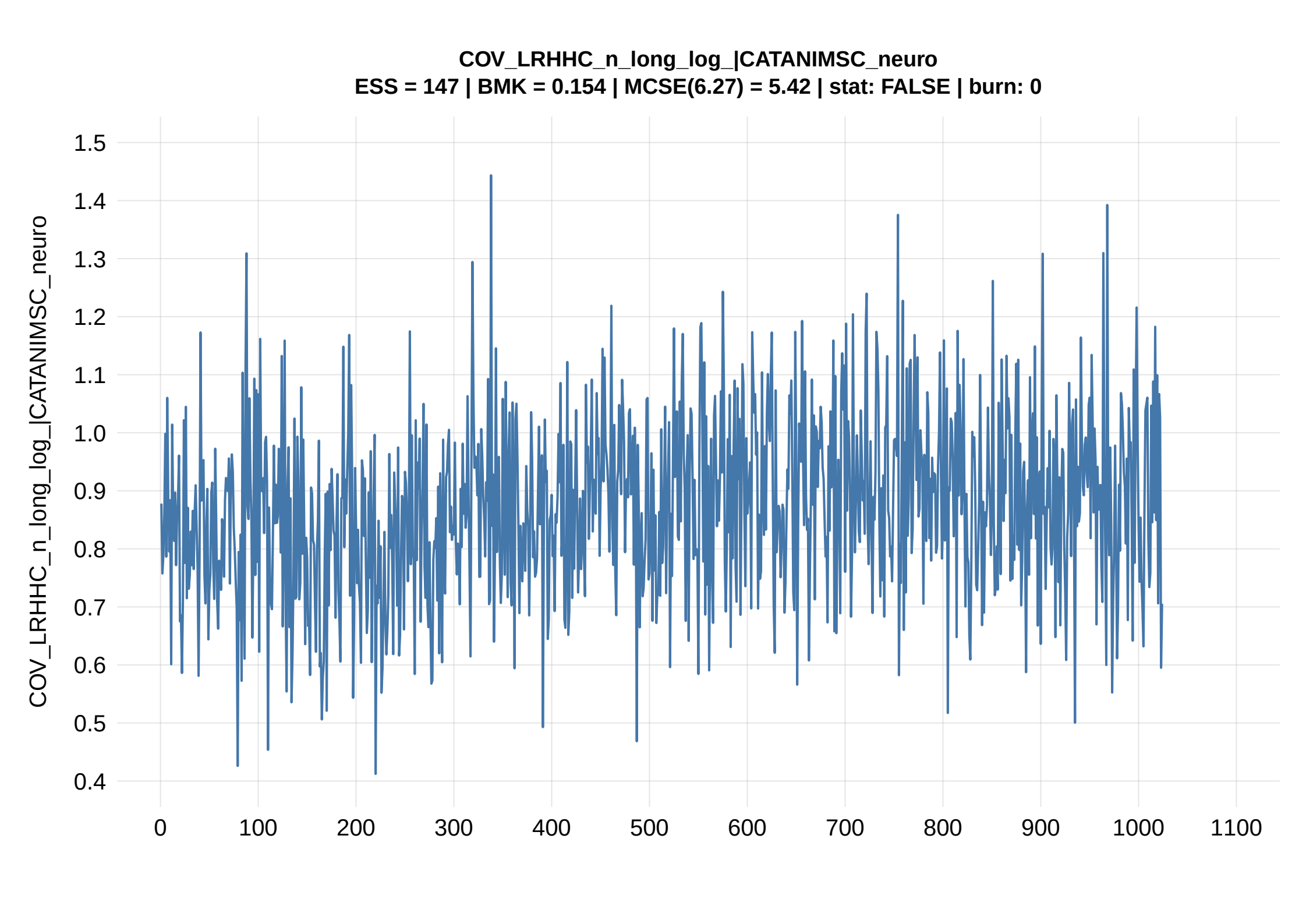

COV_LRHHC_n_long_log_|RAVLT_immediate
ESS = 190 | BMK = 0.182 | MCSE(6.27) = 5.89 | stat: FALSE | burn: 0
COV_LRHHC_n_long_log_|RAVLT_immediate
4.5
4.0
3.5
3.0
2.5
2.0
1.5
0
100
200
300
400
500
600
700
800
900
1000
1100

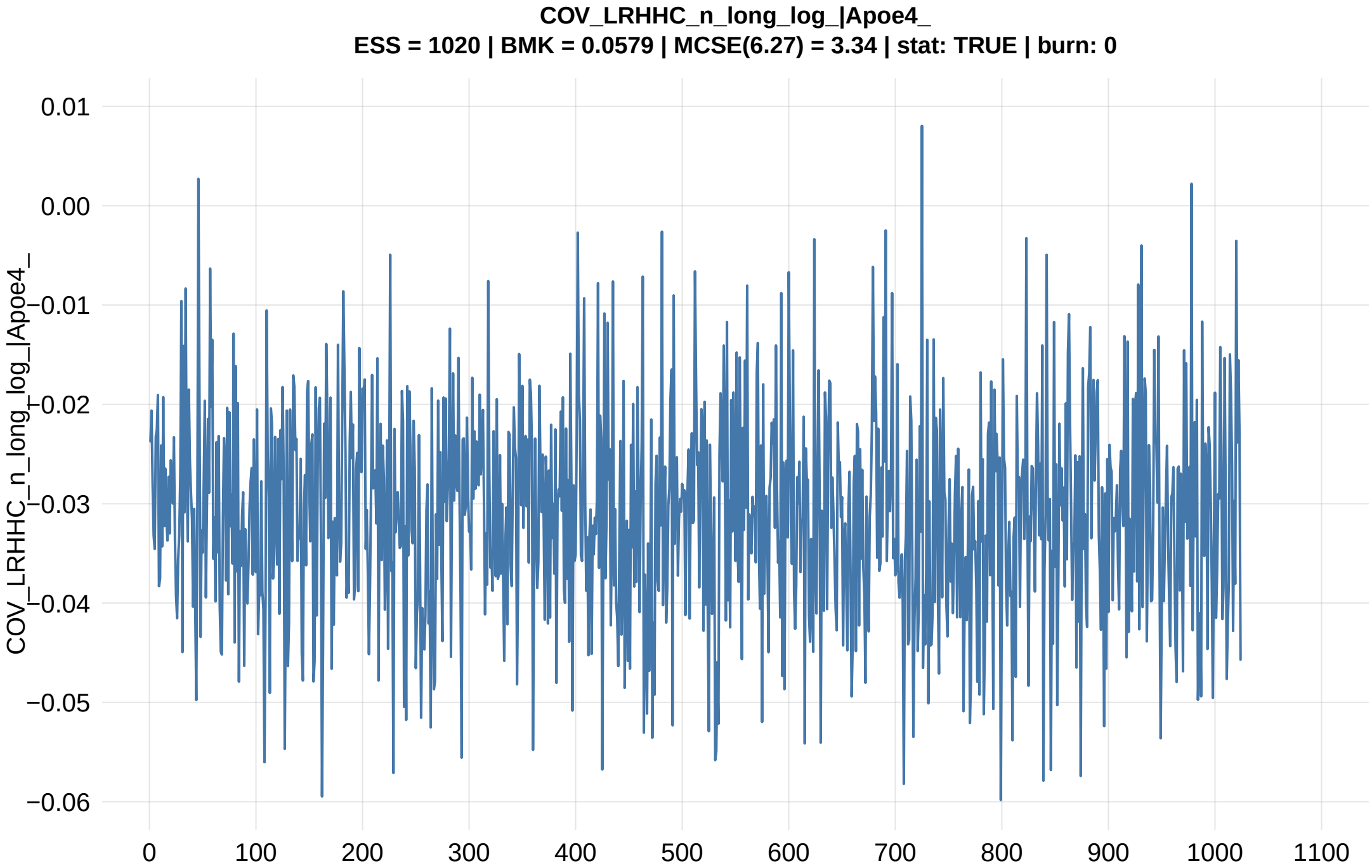

COV_LRHHC_n_long_log_|AVDEL30MIN_neuro
ESS = 416 | BMK = 0.113 | MCSE(6.27) = 5.2 | stat: FALSE | burn: 0
COV_LRHHC_n_long_log_|AVDEL30MIN_neuro
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0
100
200
300
400
500
600
700
800
900
1000
1100

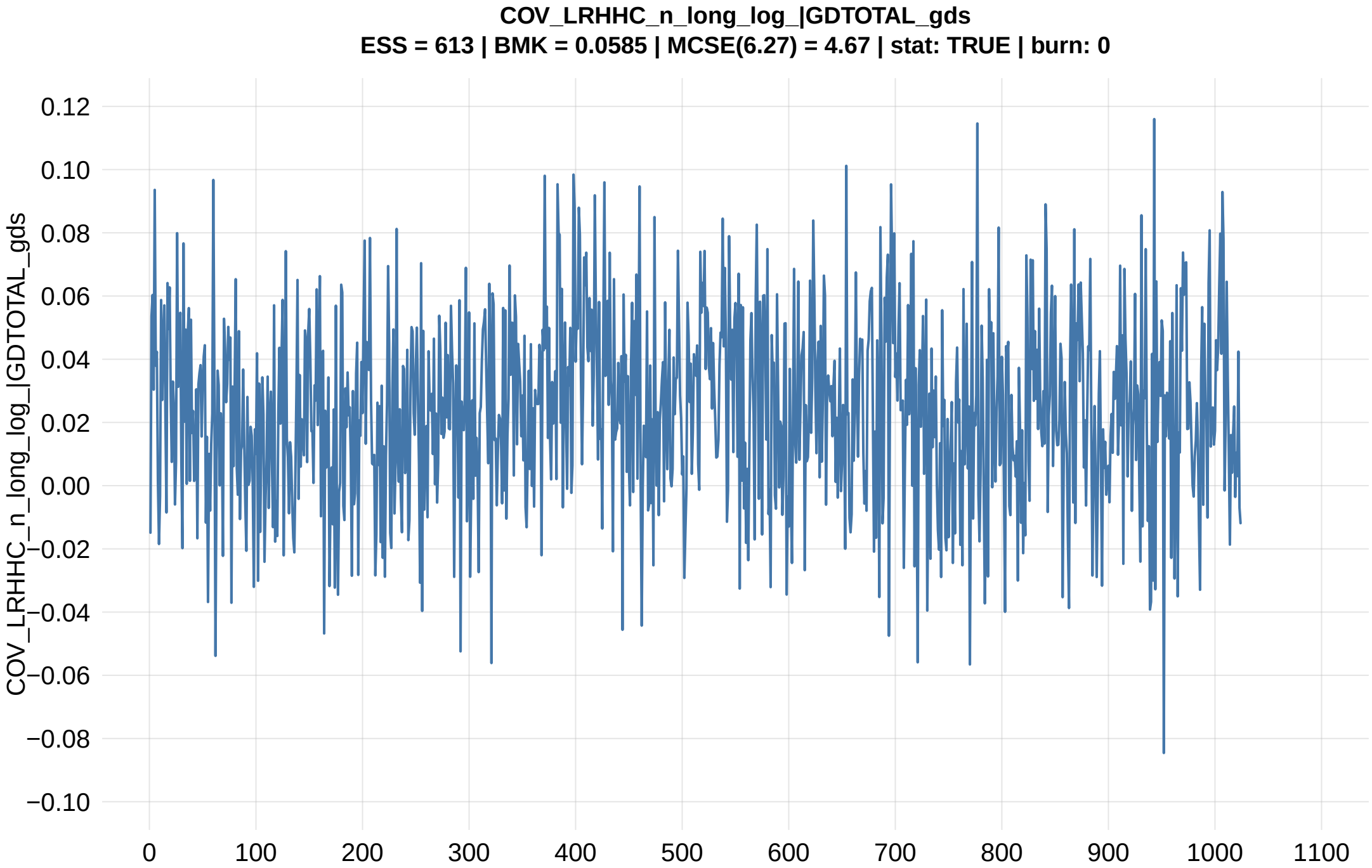

COV_LRHHC_n_long_log_|AVDELTOT_neuro
ESS = 486 | BMK = 0.0752 | MCSE(6.27) = 4.75 | stat: FALSE | burn: 0
COV_LRHHC_n_long_log_|AVDELTOT_neuro
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0
100
200
300
400
500
600
700
800
900
1000
1100

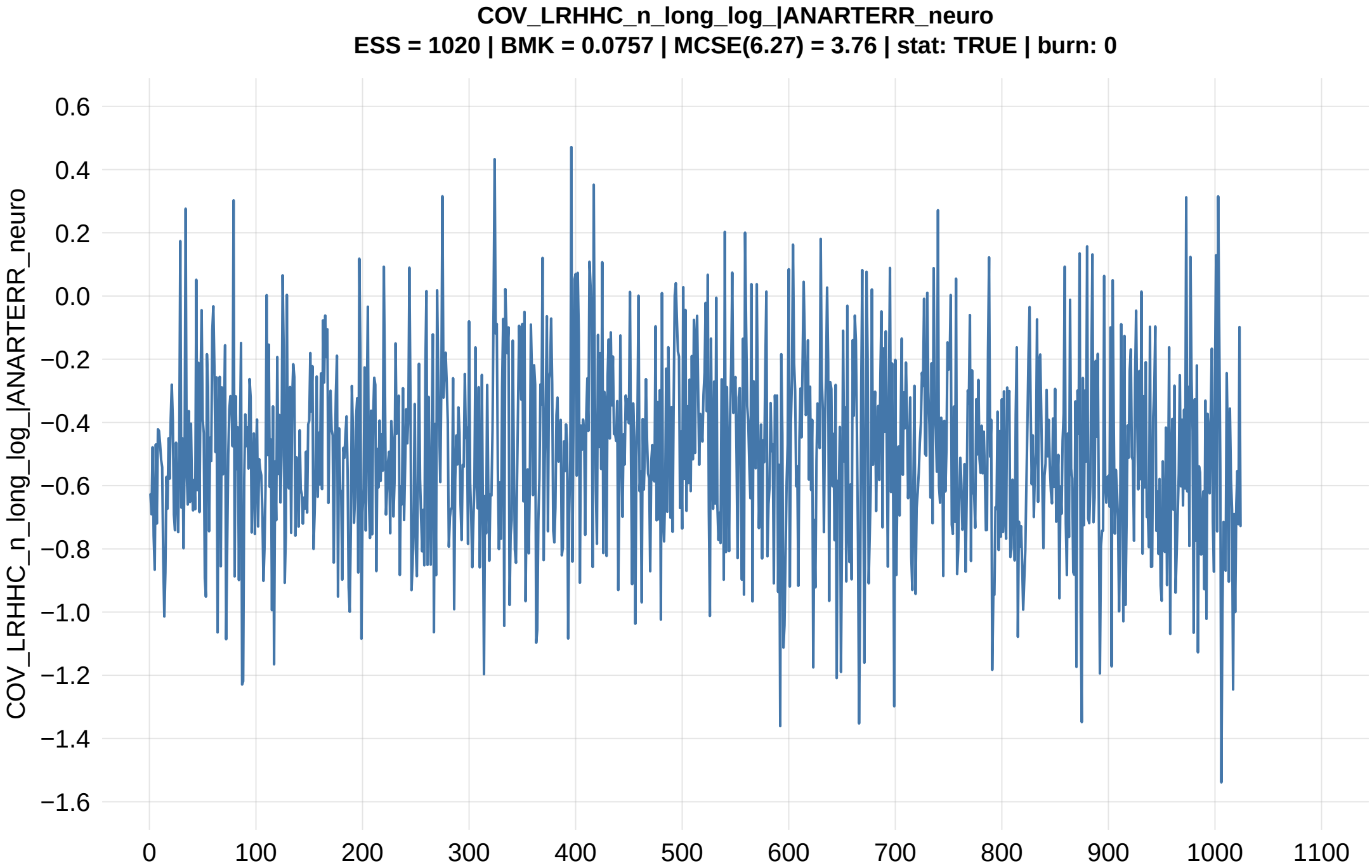

COV_LRHHC_n_long_log_|TRAASCOR_neuro
ESS = 885 | BMK = 0.109 | MCSE(6.27) = 4.24 | stat: TRUE | burn: 0
COV_LRHHC_n_long_log_|TRAASCOR_neuro
1
0
−1
−2
−3
−4
−5
−6
0
100
200
300
400
500
600
700
800
900
1000
1100

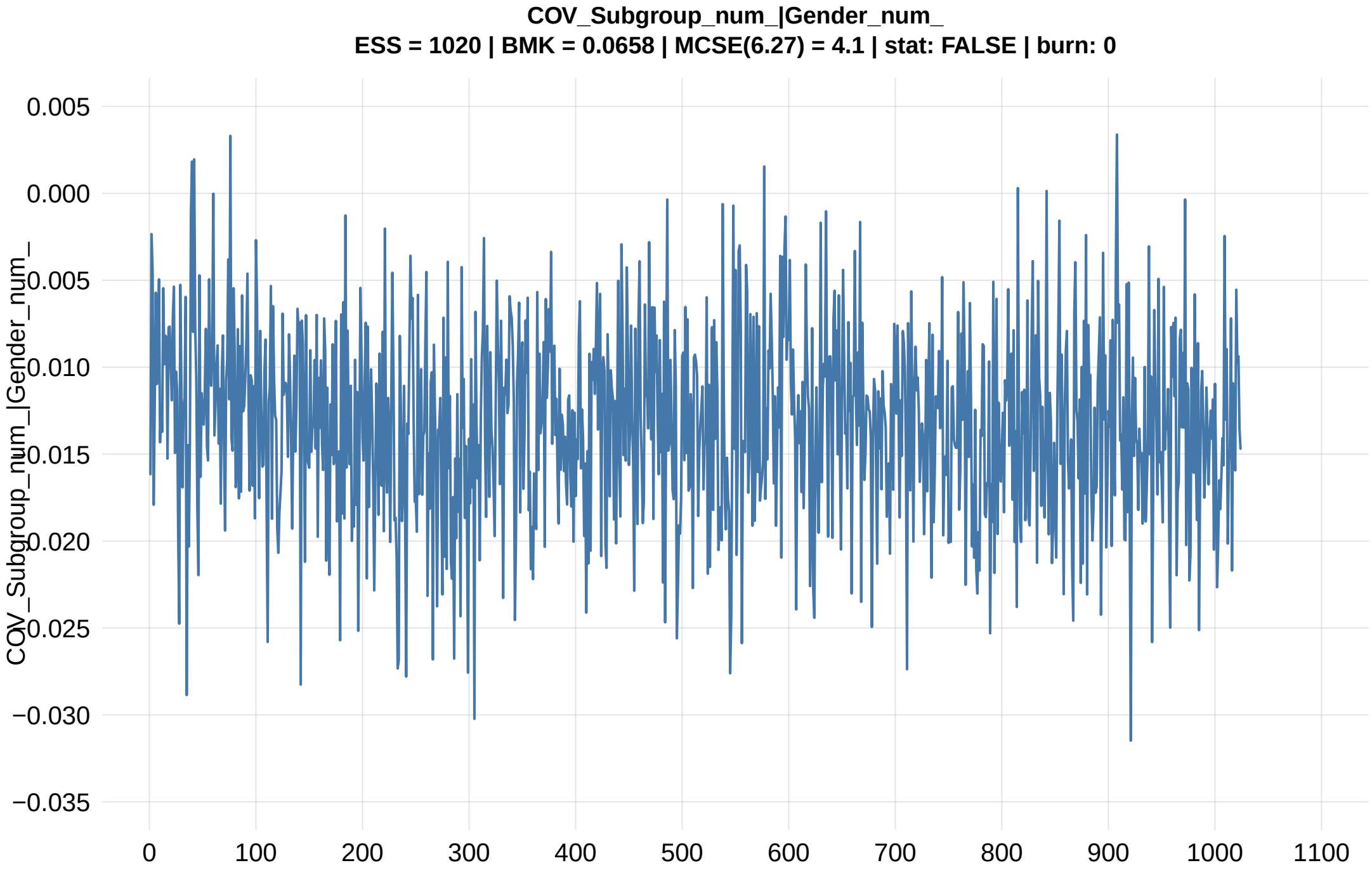

COV_LRHHC_n_long_log_|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0635 | MCSE(6.27) = 3.31 | stat: FALSE | burn: 0
COV_LRHHC_n_long_log_|TRABSCOR_neuro
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
−20
−22
0
100
200
300
400
500
600
700
800
900
1000
1100

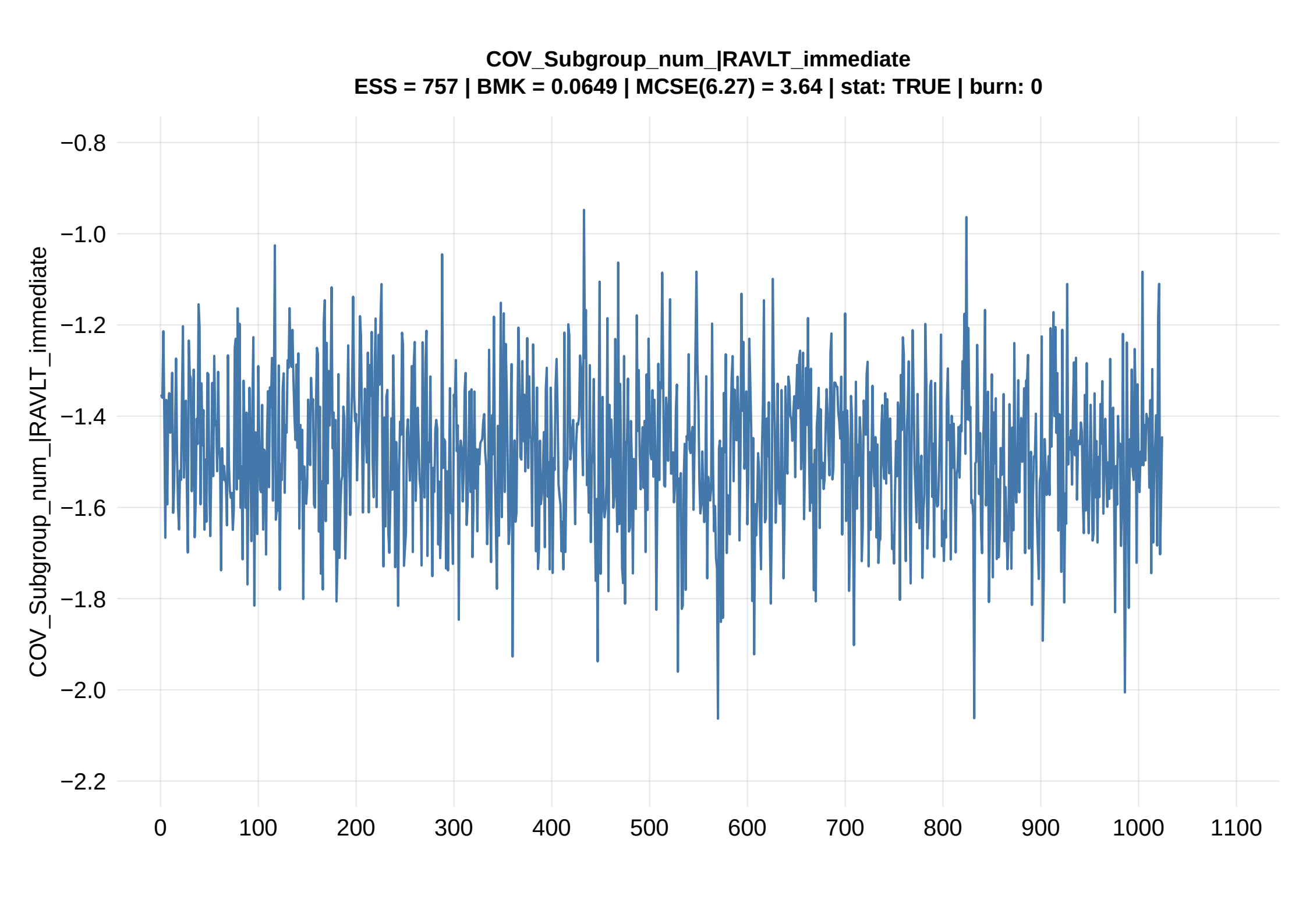

COV_LRHHC_n_long_log_|CATANIMSC_neuro
ESS = 147 | BMK = 0.154 | MCSE(6.27) = 5.42 | stat: FALSE | burn: 0
COV_LRHHC_n_long_log_|CATANIMSC_neuro
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0
100
200
300
400
500
600
700
800
900
1000
1100

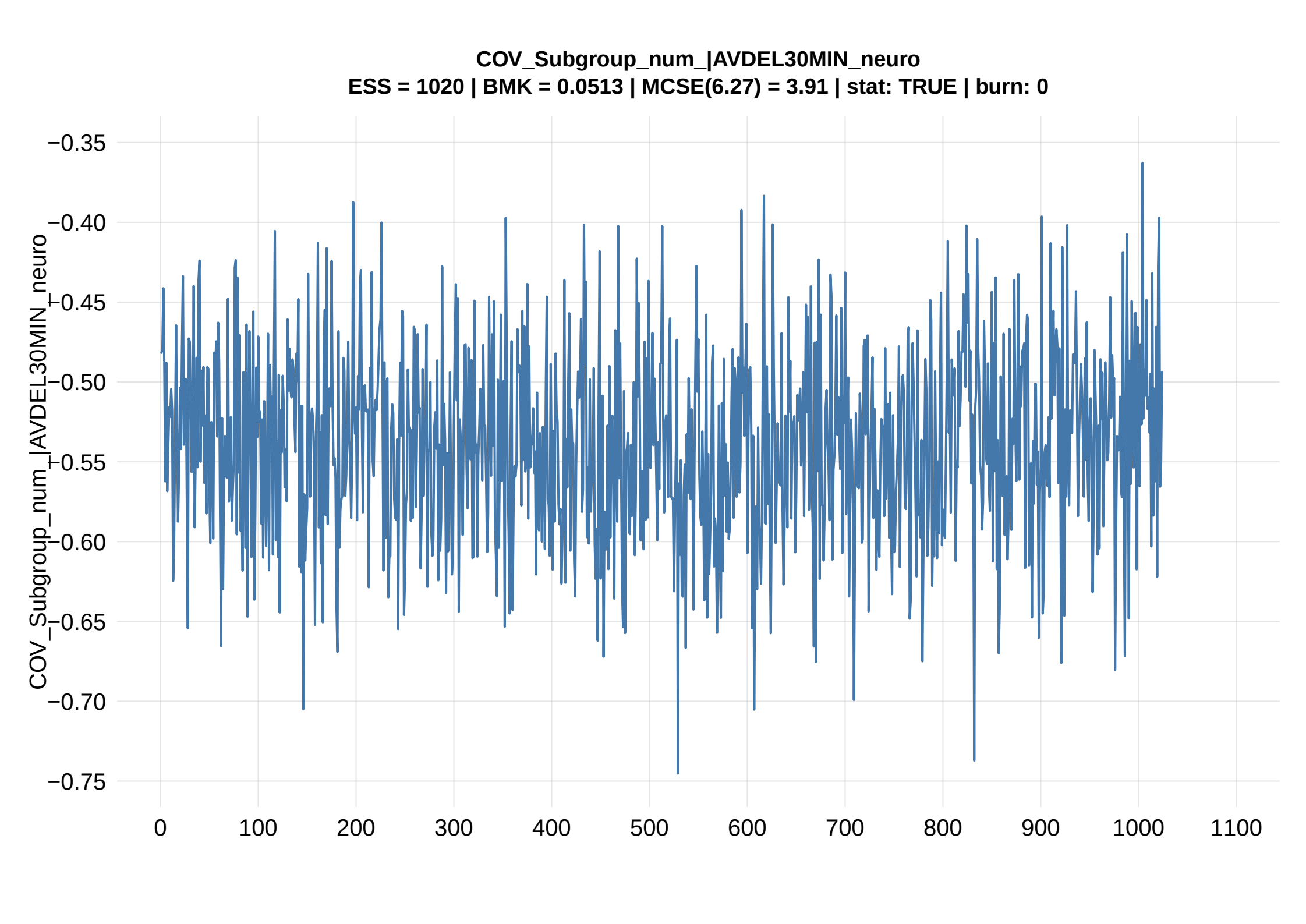

COV_LRHHC_n_long_log_|Apoe4_
ESS = 1020 | BMK = 0.0579 | MCSE(6.27) = 3.34 | stat: TRUE | burn: 0
COV_LRHHC_n_long_log_|Apoe4_
0.01
0.00
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
0
100
200
300
400
500
600
700
800
900
1000
1100

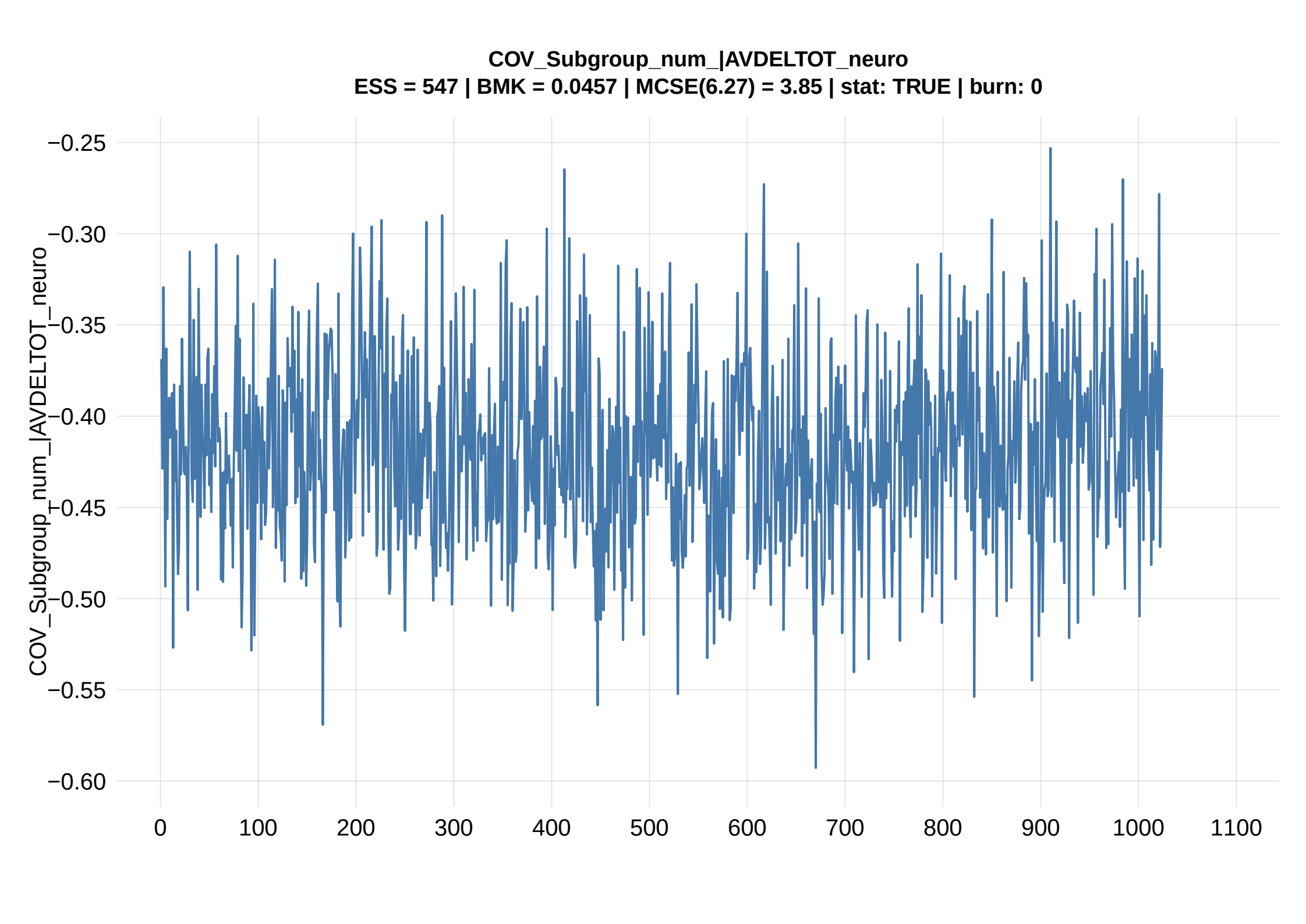

COV_LRHHC_n_long_log_|GDTOTAL_gds
ESS = 613 | BMK = 0.0585 | MCSE(6.27) = 4.67 | stat: TRUE | burn: 0
COV_LRHHC_n_long_log_|GDTOTAL_gds
0.12
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08
−0.10
0
100
200
300
400
500
600
700
800
900
1000
1100

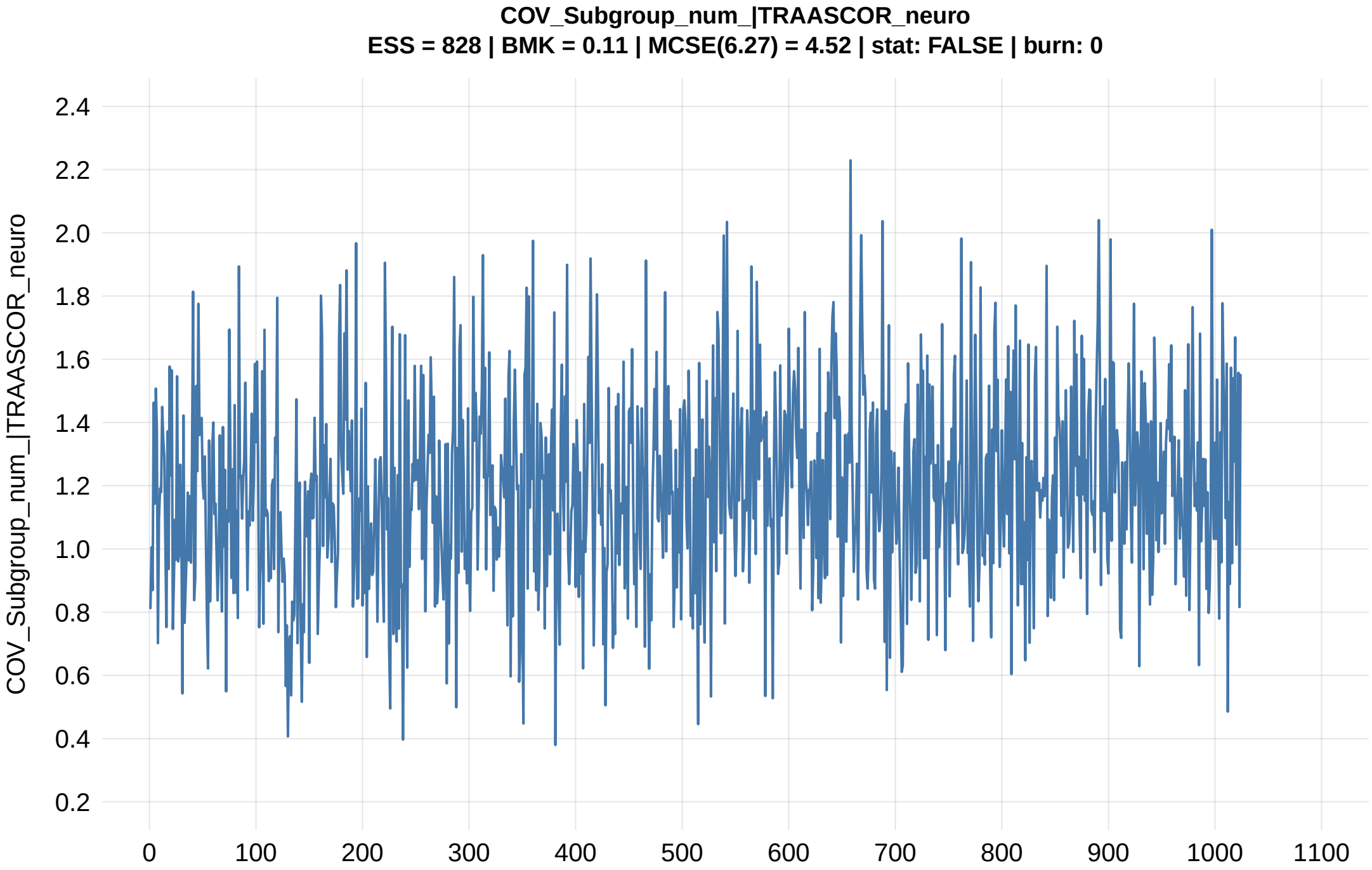

COV_LRHHC_n_long_log_|ANARTERR_neuro
ESS = 1020 | BMK = 0.0757 | MCSE(6.27) = 3.76 | stat: TRUE | burn: 0
COV_LRHHC_n_long_log_|ANARTERR_neuro
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
−1.4
−1.6
0
100
200
300
400
500
600
700
800
900
1000
1100

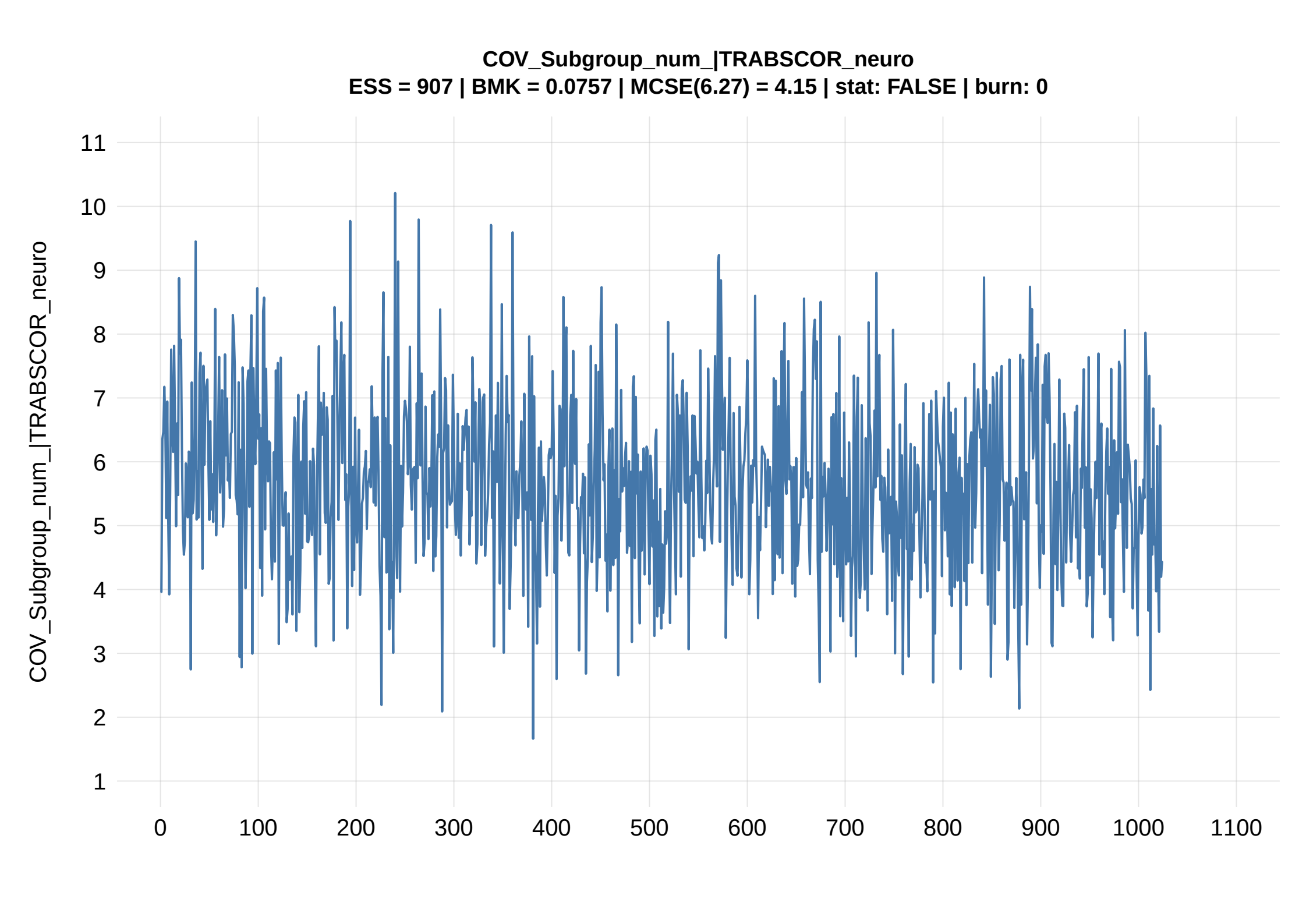

COV_Subgroup_num_|Gender_num_
ESS = 1020 | BMK = 0.0658 | MCSE(6.27) = 4.1 | stat: FALSE | burn: 0
COV_Subgroup_num_|Gender_num_
0.005
0.000
−0.005
−0.010
−0.015
−0.020
−0.025
−0.030
−0.035
0
100
200
300
400
500
600
700
800
900
1000
1100

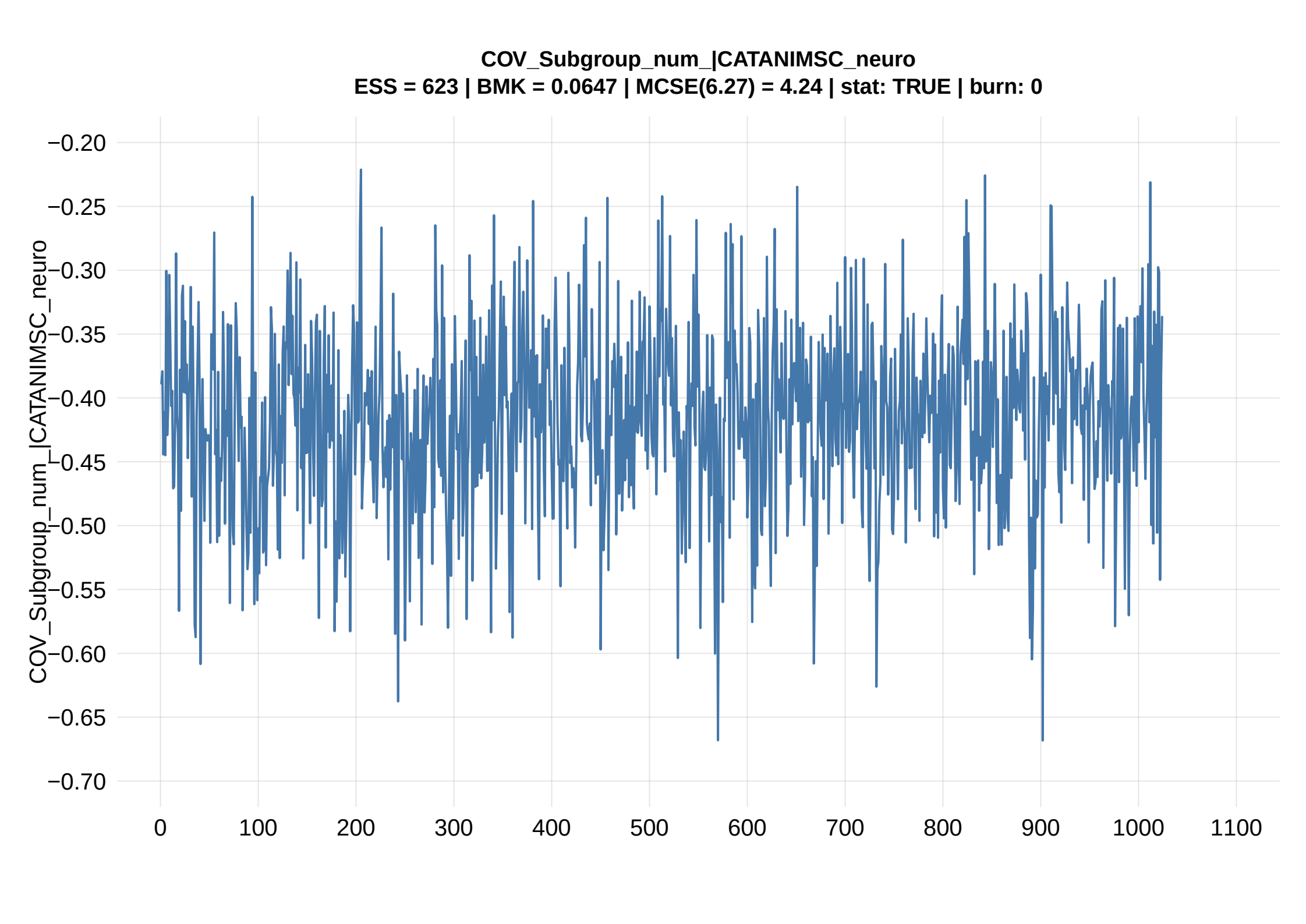

COV_Subgroup_num_|RAVLT_immediate
ESS = 757 | BMK = 0.0649 | MCSE(6.27) = 3.64 | stat: TRUE | burn: 0
COV_Subgroup_num_|RAVLT_immediate
−0.8
−1.0
−1.2
−1.4
−1.6
−1.8
−2.0
−2.2
0
100
200
300
400
500
600
700
800
900
1000
1100

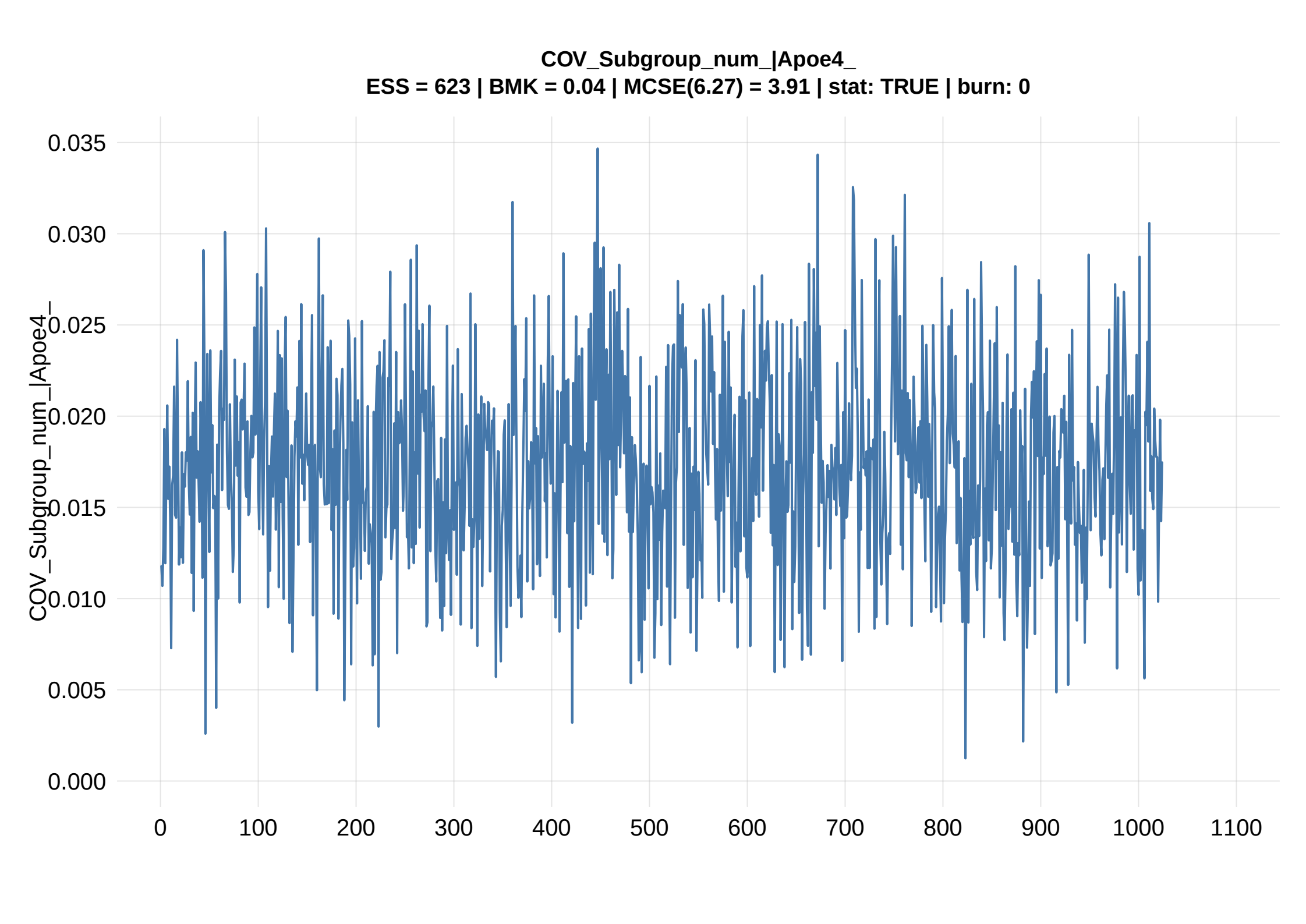

COV_Subgroup_num_|AVDEL30MIN_neuro
ESS = 1020 | BMK = 0.0513 | MCSE(6.27) = 3.91 | stat: TRUE | burn: 0
COV_Subgroup_num_|AVDEL30MIN_neuro
−0.35
−0.40
−0.45
−0.50
−0.55
−0.60
−0.65
−0.70
−0.75
0
100
200
300
400
500
600
700
800
900
1000
1100

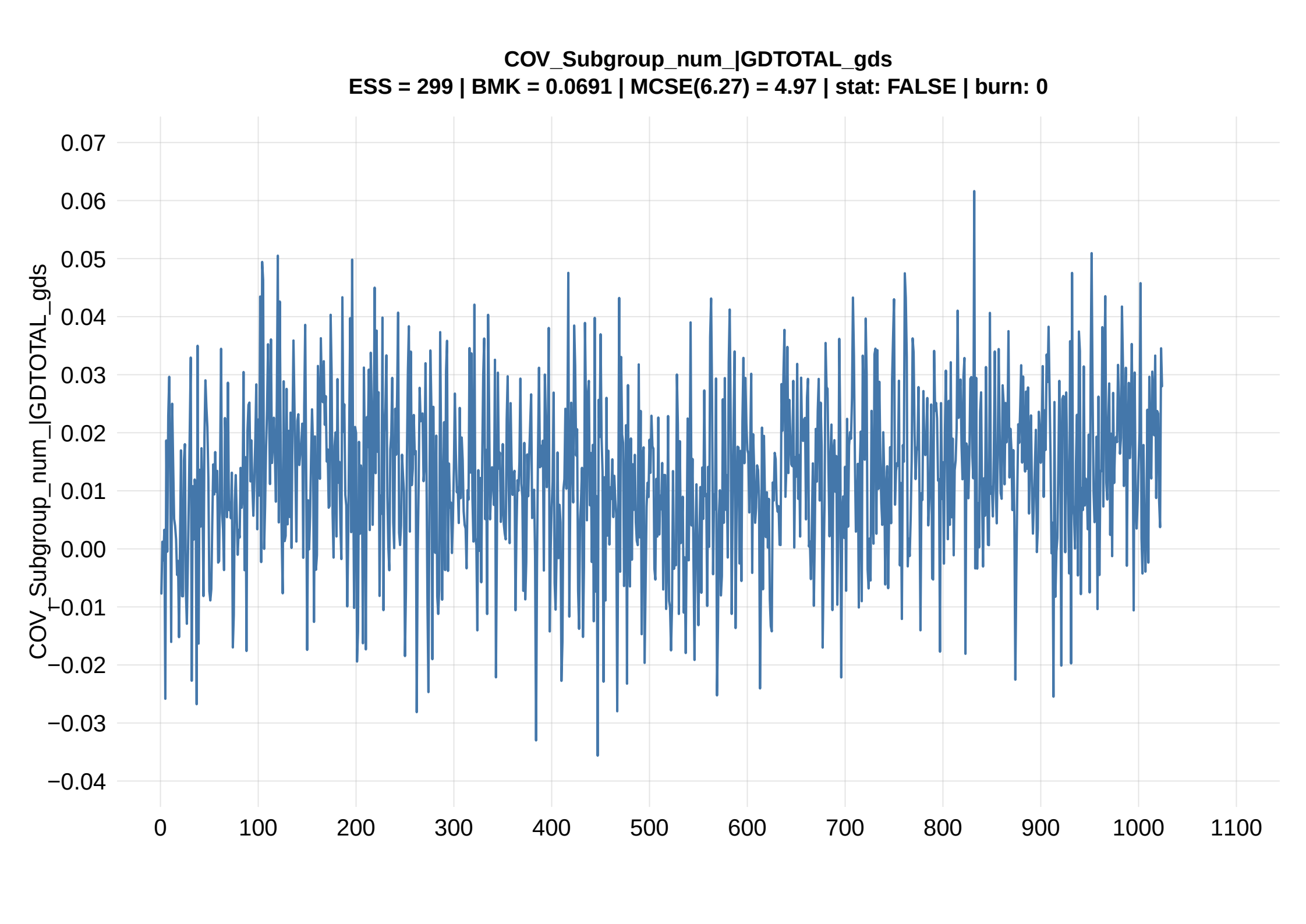

COV_Subgroup_num_|AVDELTOT_neuro
ESS = 547 | BMK = 0.0457 | MCSE(6.27) = 3.85 | stat: TRUE | burn: 0
COV_Subgroup_num_|AVDELTOT_neuro
−0.25
−0.30
−0.35
−0.40
−0.45
−0.50
−0.55
−0.60
0
100
200
300
400
500
600
700
800
900
1000
1100

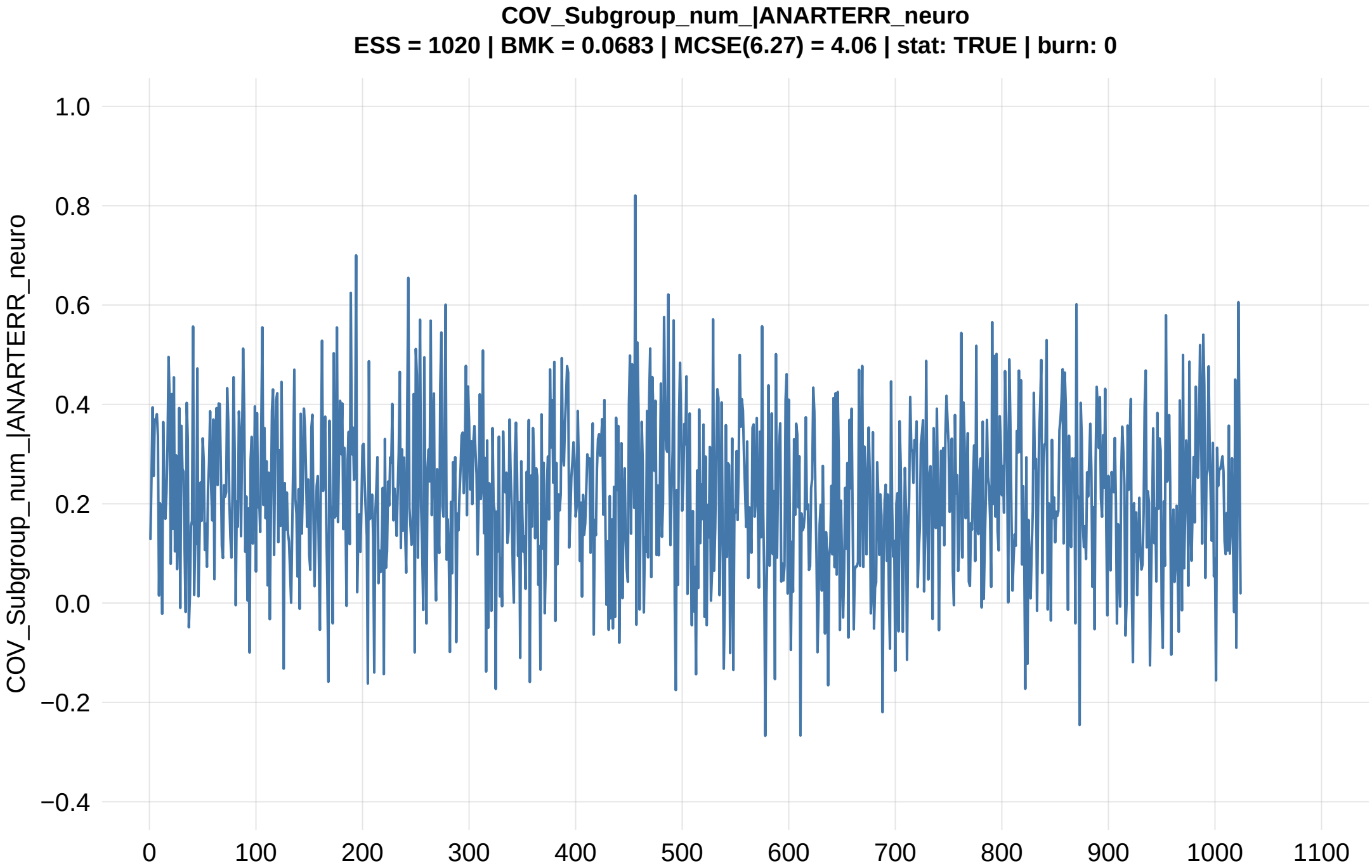

COV_Subgroup_num_|TRAASCOR_neuro
ESS = 828 | BMK = 0.11 | MCSE(6.27) = 4.52 | stat: FALSE | burn: 0
COV_Subgroup_num_|TRAASCOR_neuro
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
600
700
800
900
1000
1100

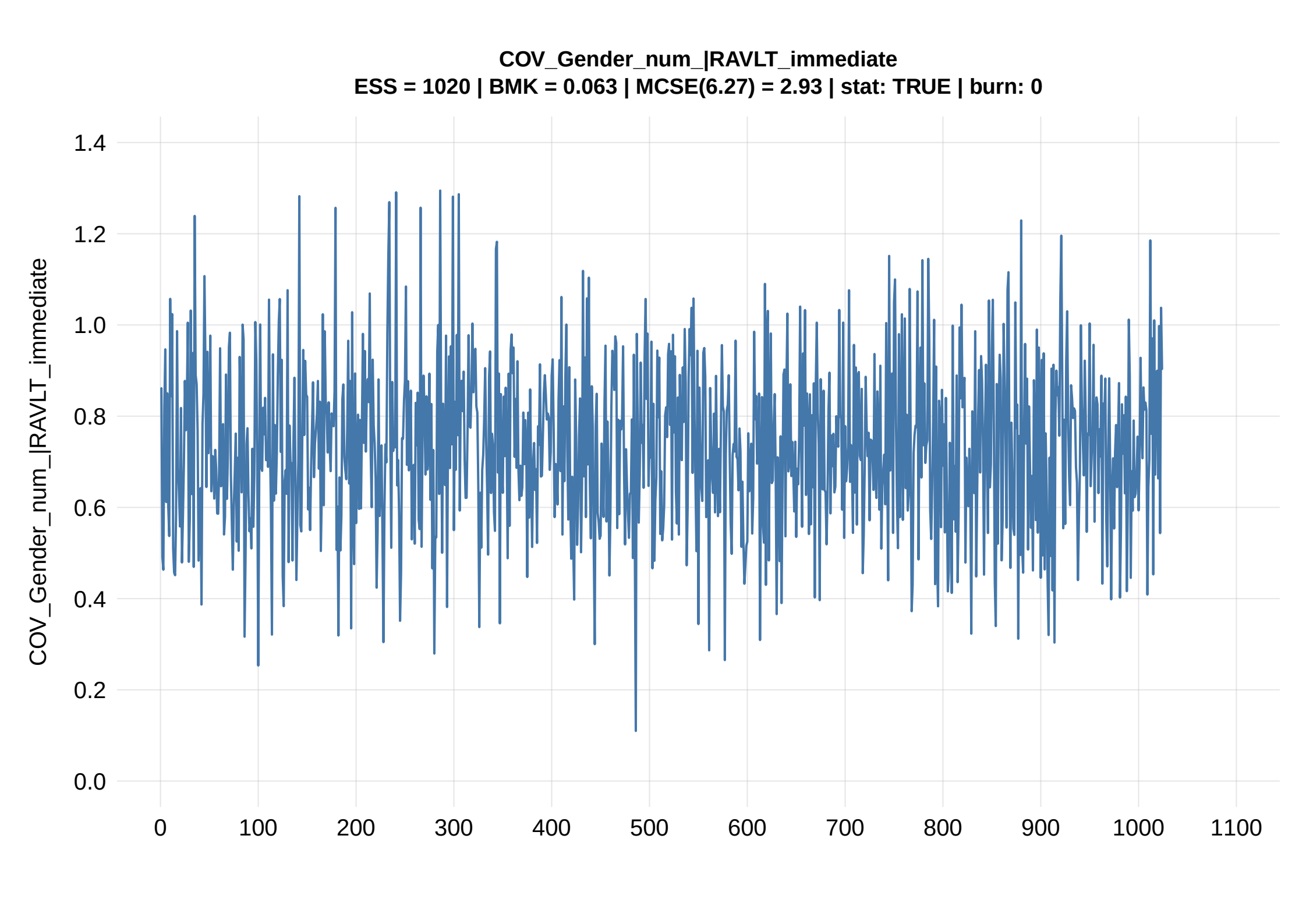

COV_Subgroup_num_|TRABSCOR_neuro
ESS = 907 | BMK = 0.0757 | MCSE(6.27) = 4.15 | stat: FALSE | burn: 0
COV_Subgroup_num_|TRABSCOR_neuro
11
10
9
8
7
6
5
4
3
2
1
0
100
200
300
400
500
600
700
800
900
1000
1100

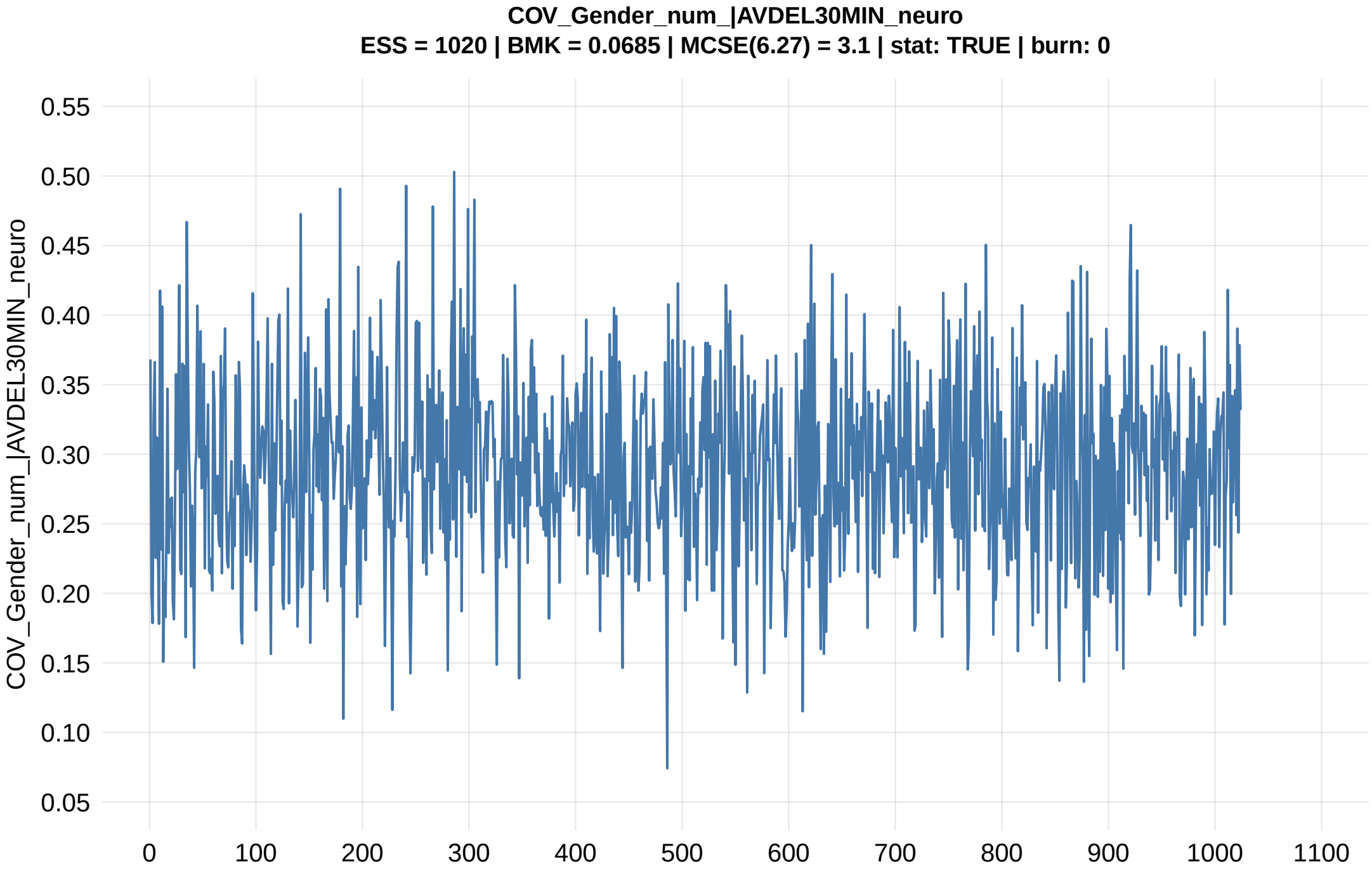

COV_Subgroup_num_|CATANIMSC_neuro
ESS = 623 | BMK = 0.0647 | MCSE(6.27) = 4.24 | stat: TRUE | burn: 0
COV_Subgroup_num_|CATANIMSC_neuro
−0.20
−0.25
−0.30
−0.35
−0.40
−0.45
−0.50
−0.55
−0.60
−0.65
−0.70
0
100
200
300
400
500
600
700
800
900
1000
1100

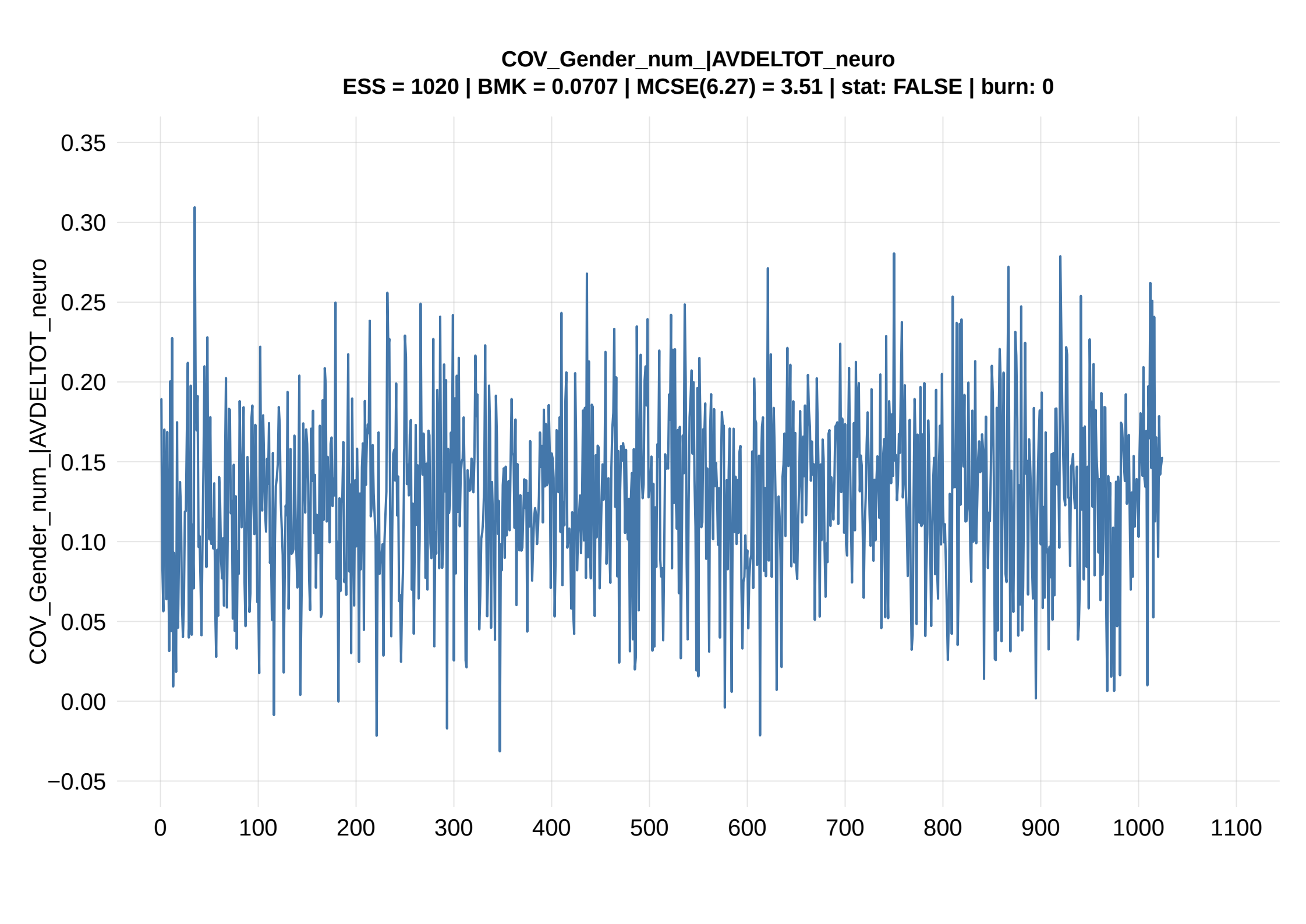

COV_Subgroup_num_|Apoe4_
ESS = 623 | BMK = 0.04 | MCSE(6.27) = 3.91 | stat: TRUE | burn: 0
COV_Subgroup_num_|Apoe4_
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0
100
200
300
400
500
600
700
800
900
1000
1100

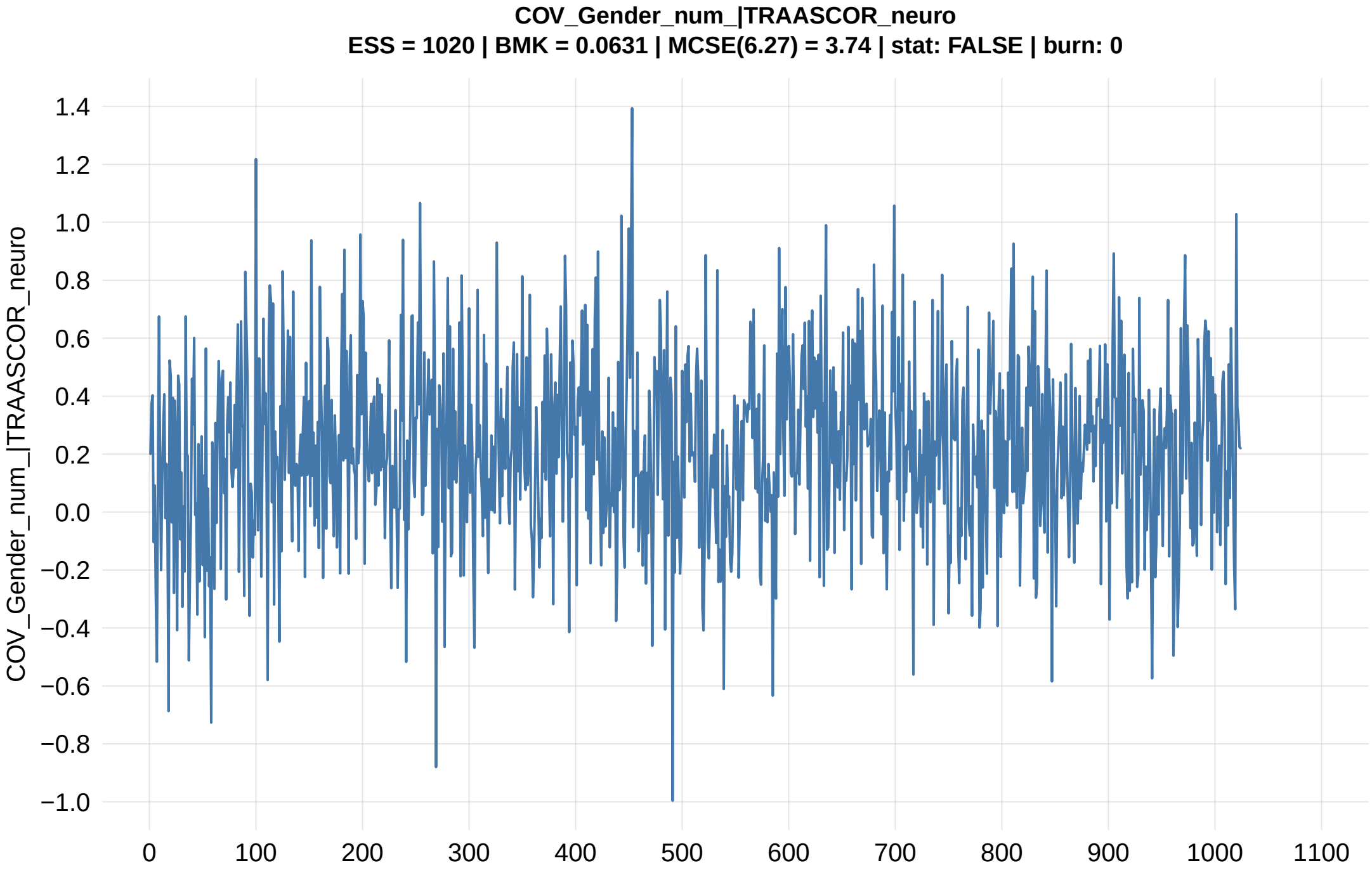

COV_Subgroup_num_|GDTOTAL_gds
ESS = 299 | BMK = 0.0691 | MCSE(6.27) = 4.97 | stat: FALSE | burn: 0
COV_Subgroup_num_|GDTOTAL_gds
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
−0.04
0
100
200
300
400
500
600
700
800
900
1000
1100

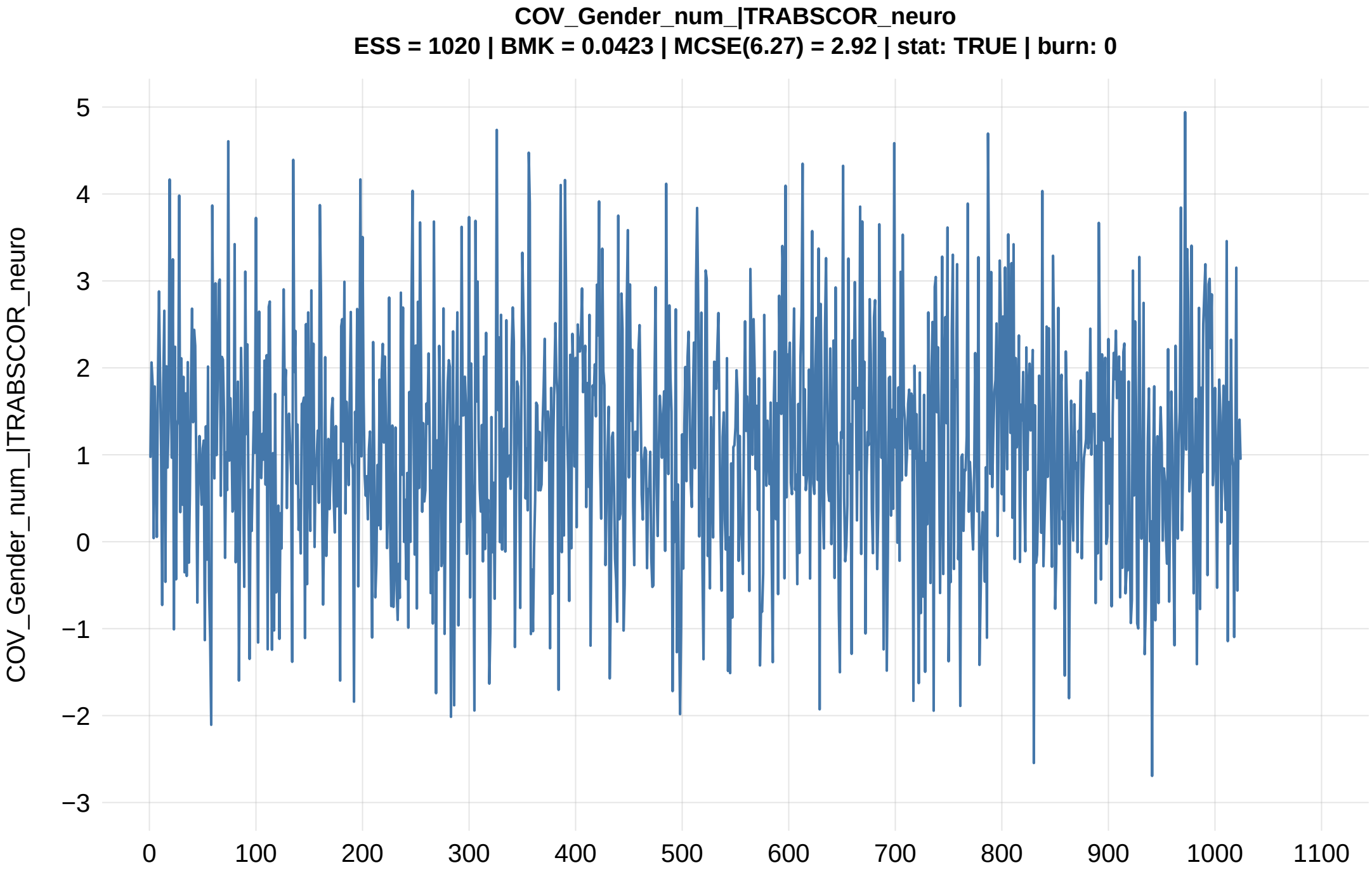

COV_Subgroup_num_|ANARTERR_neuro
ESS = 1020 | BMK = 0.0683 | MCSE(6.27) = 4.06 | stat: TRUE | burn: 0
COV_Subgroup_num_|ANARTERR_neuro
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
0
100
200
300
400
500
600
700
800
900
1000
1100

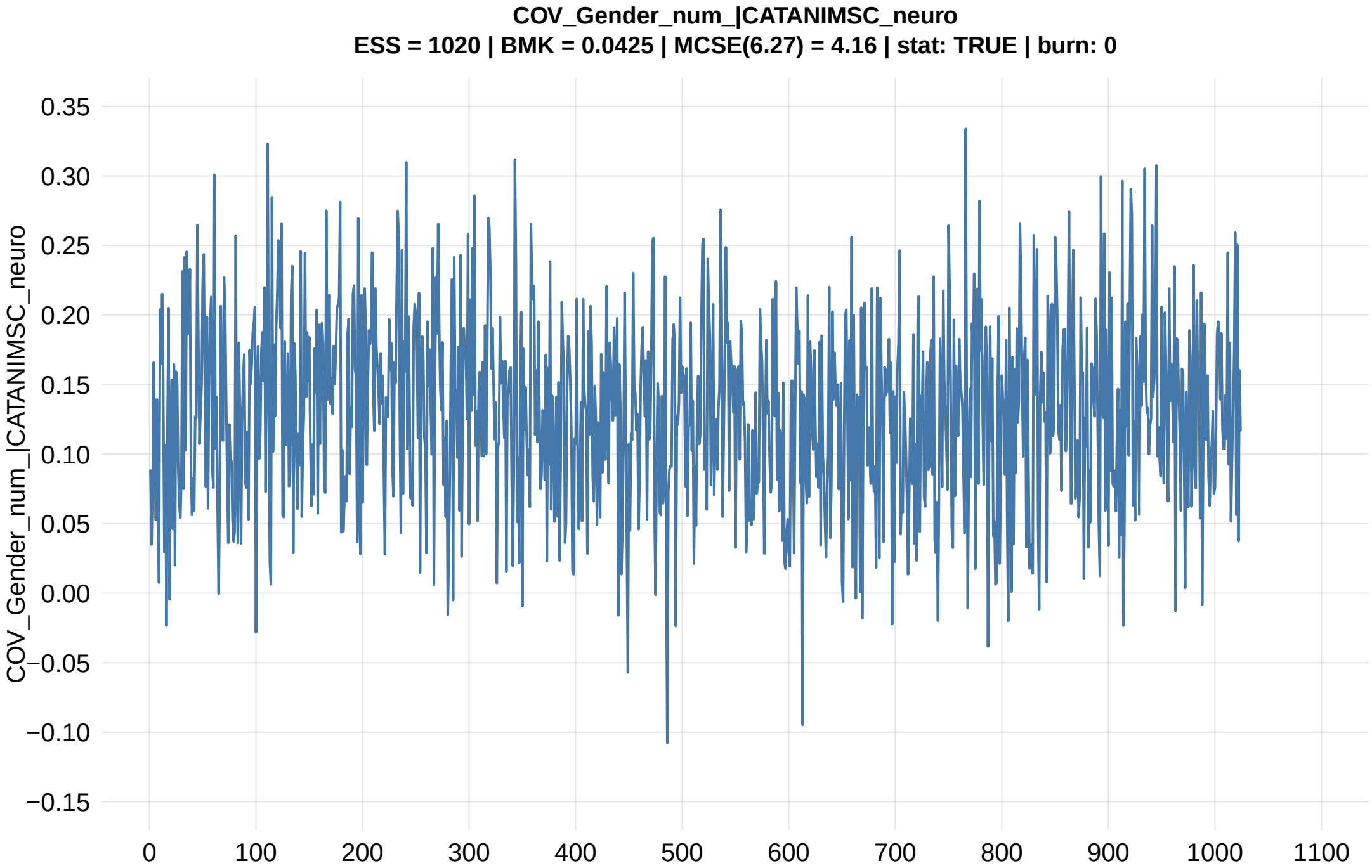

COV_Gender_num_|RAVLT_immediate
ESS = 1020 | BMK = 0.063 | MCSE(6.27) = 2.93 | stat: TRUE | burn: 0
COV_Gender_num_|RAVLT_immediate
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
100
200
300
400
500
600
700
800
900
1000
1100

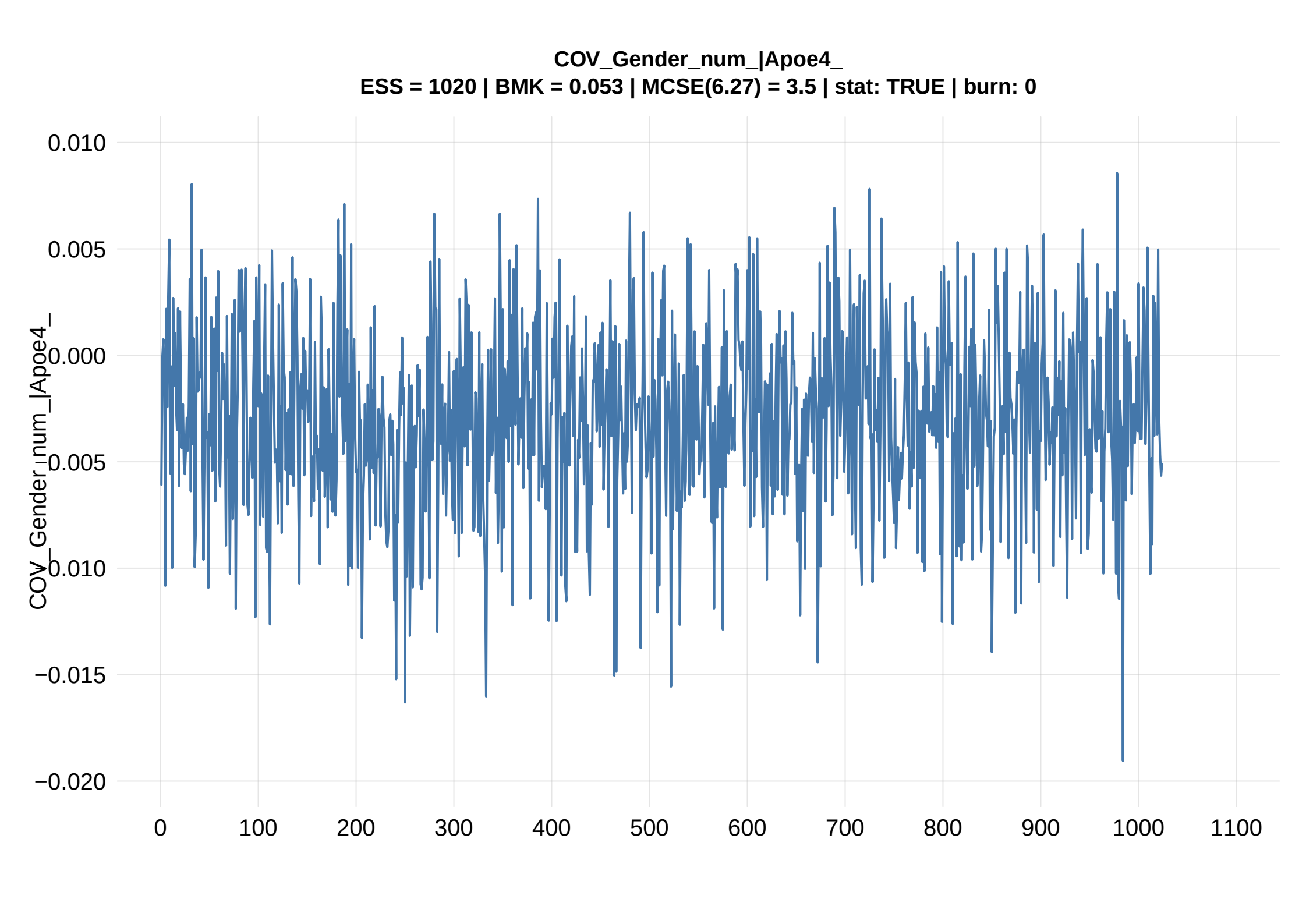

COV_Gender_num_|AVDEL30MIN_neuro
ESS = 1020 | BMK = 0.0685 | MCSE(6.27) = 3.1 | stat: TRUE | burn: 0
COV_Gender_num_|AVDEL30MIN_neuro
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0
100
200
300
400
500
600
700
800
900
1000
1100

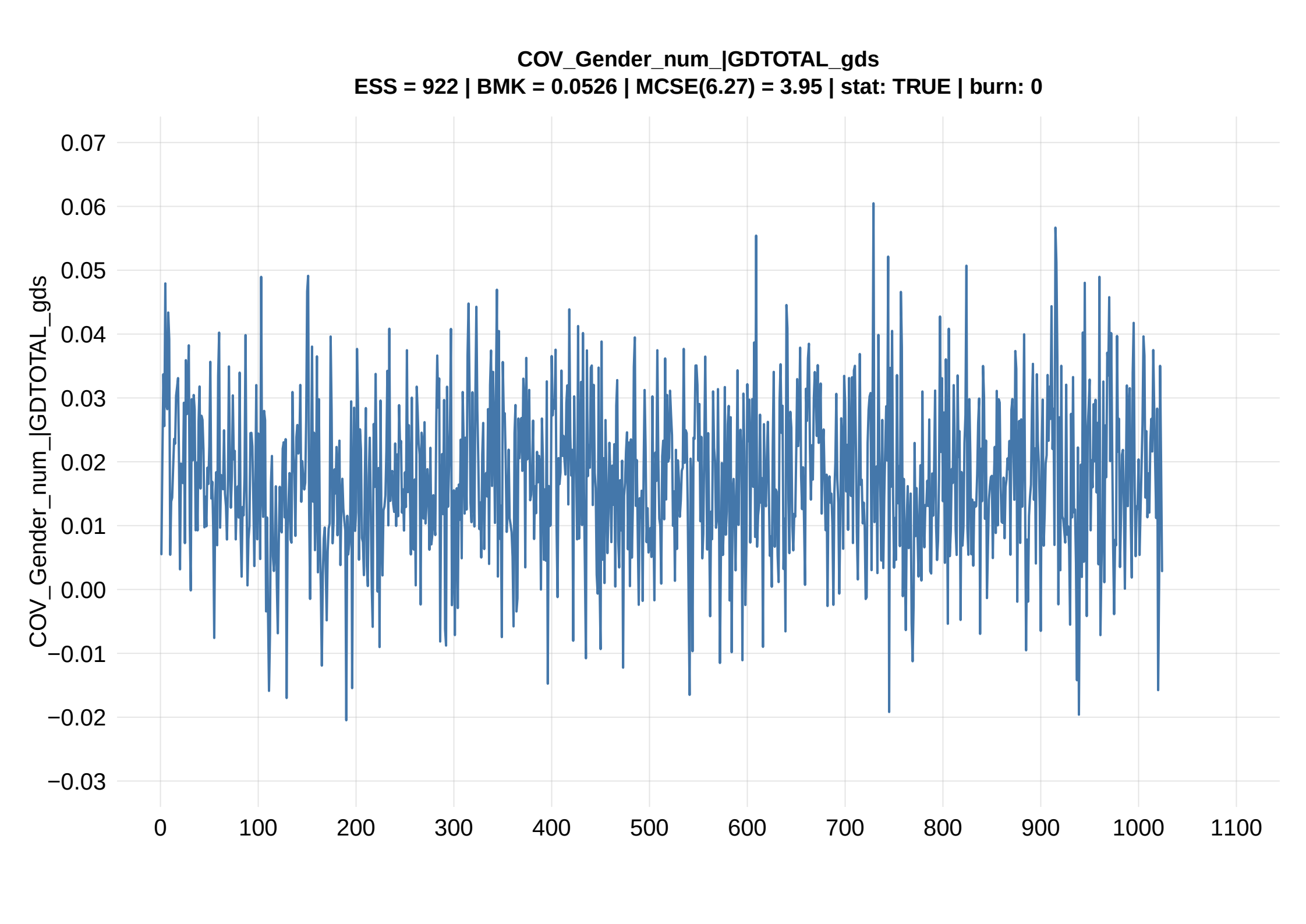

COV_Gender_num_|AVDELTOT_neuro
ESS = 1020 | BMK = 0.0707 | MCSE(6.27) = 3.51 | stat: FALSE | burn: 0
COV_Gender_num_|AVDELTOT_neuro
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
0
100
200
300
400
500
600
700
800
900
1000
1100

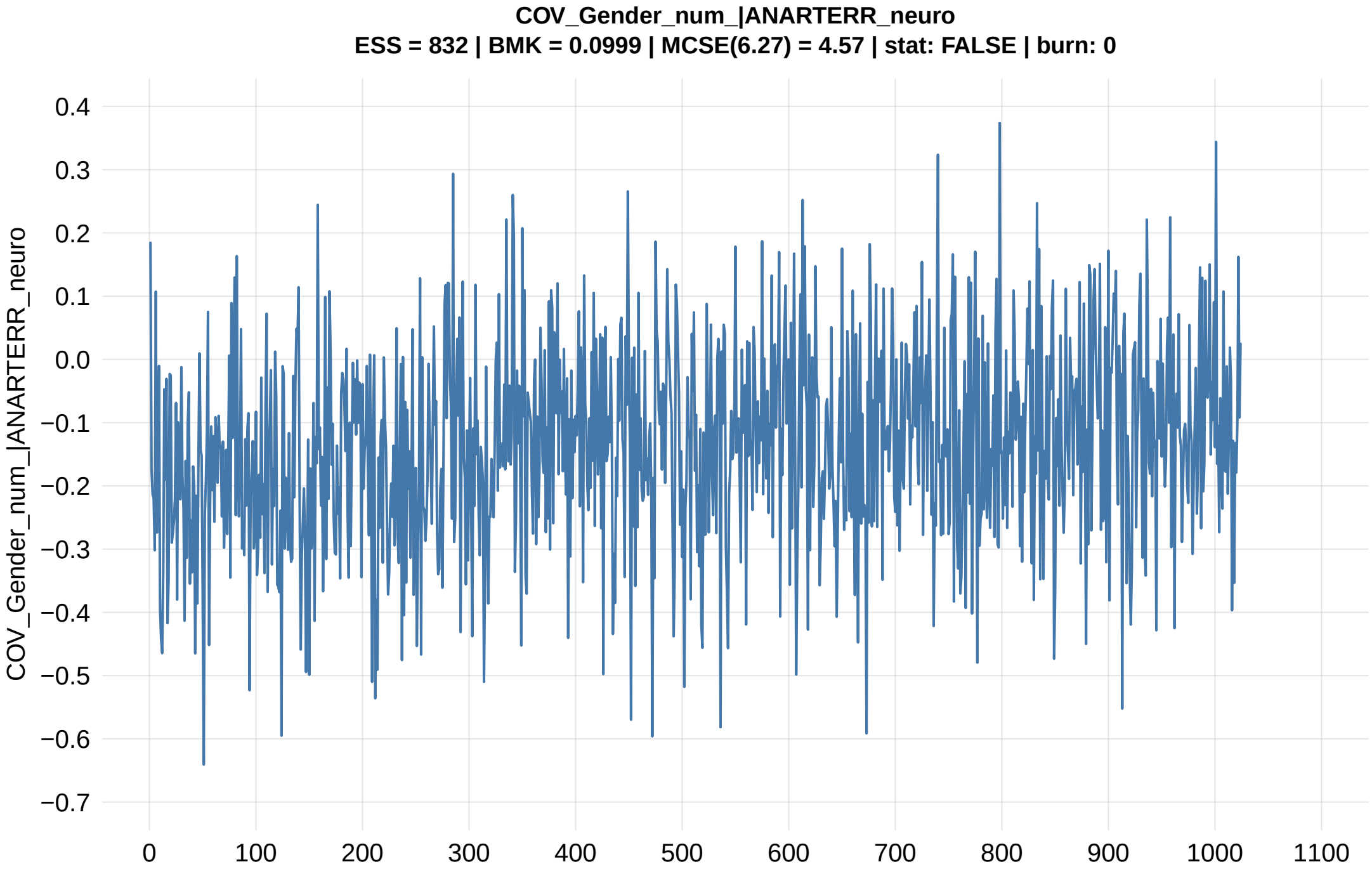

COV_Gender_num_|TRAASCOR_neuro
ESS = 1020 | BMK = 0.0631 | MCSE(6.27) = 3.74 | stat: FALSE | burn: 0
COV_Gender_num_|TRAASCOR_neuro
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
0
100
200
300
400
500
600
700
800
900
1000
1100

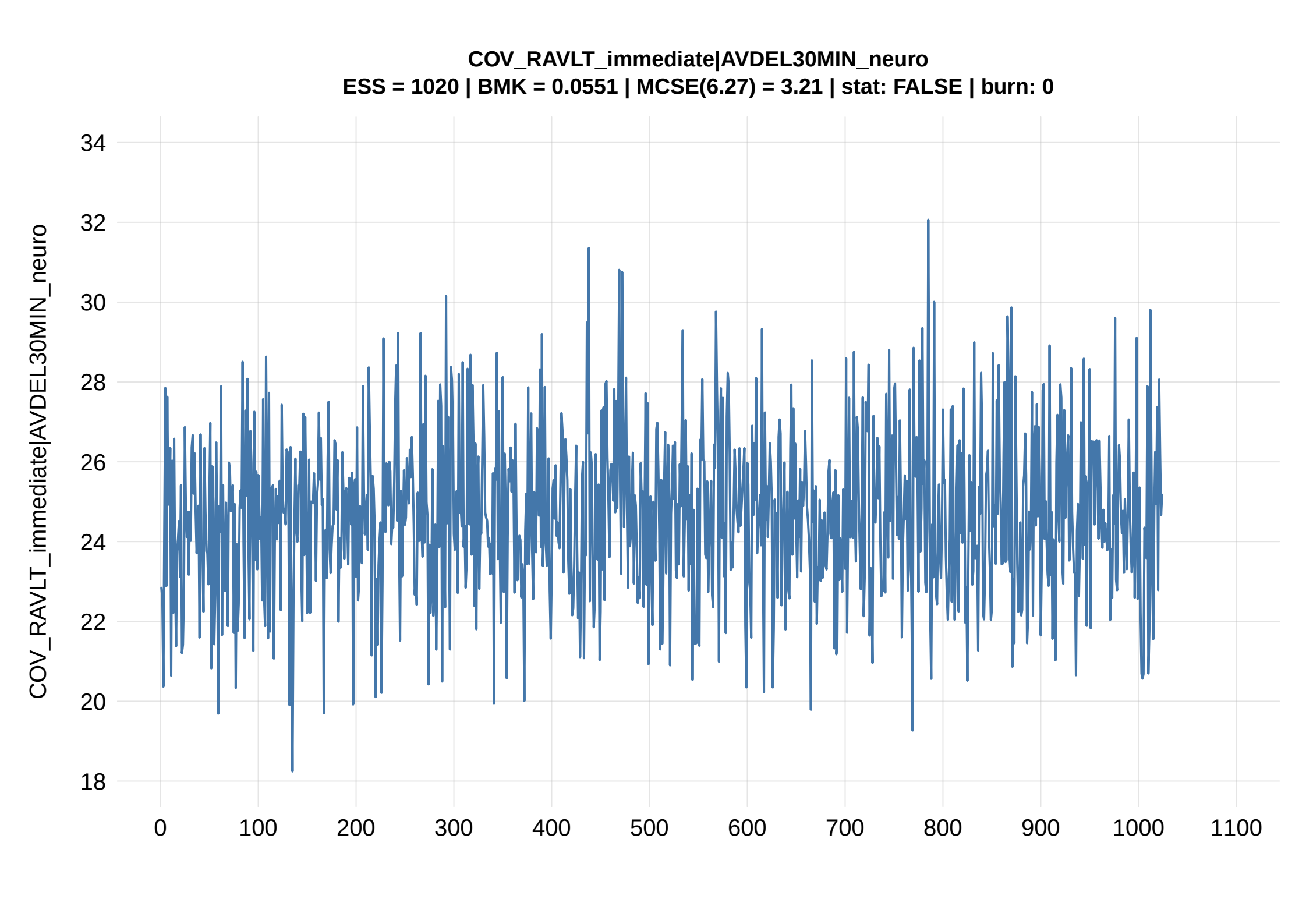

COV_Gender_num_|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0423 | MCSE(6.27) = 2.92 | stat: TRUE | burn: 0
COV_Gender_num_|TRABSCOR_neuro
5
4
3
2
1
0
−1
−2
−3
0
100
200
300
400
500
600
700
800
900
1000
1100

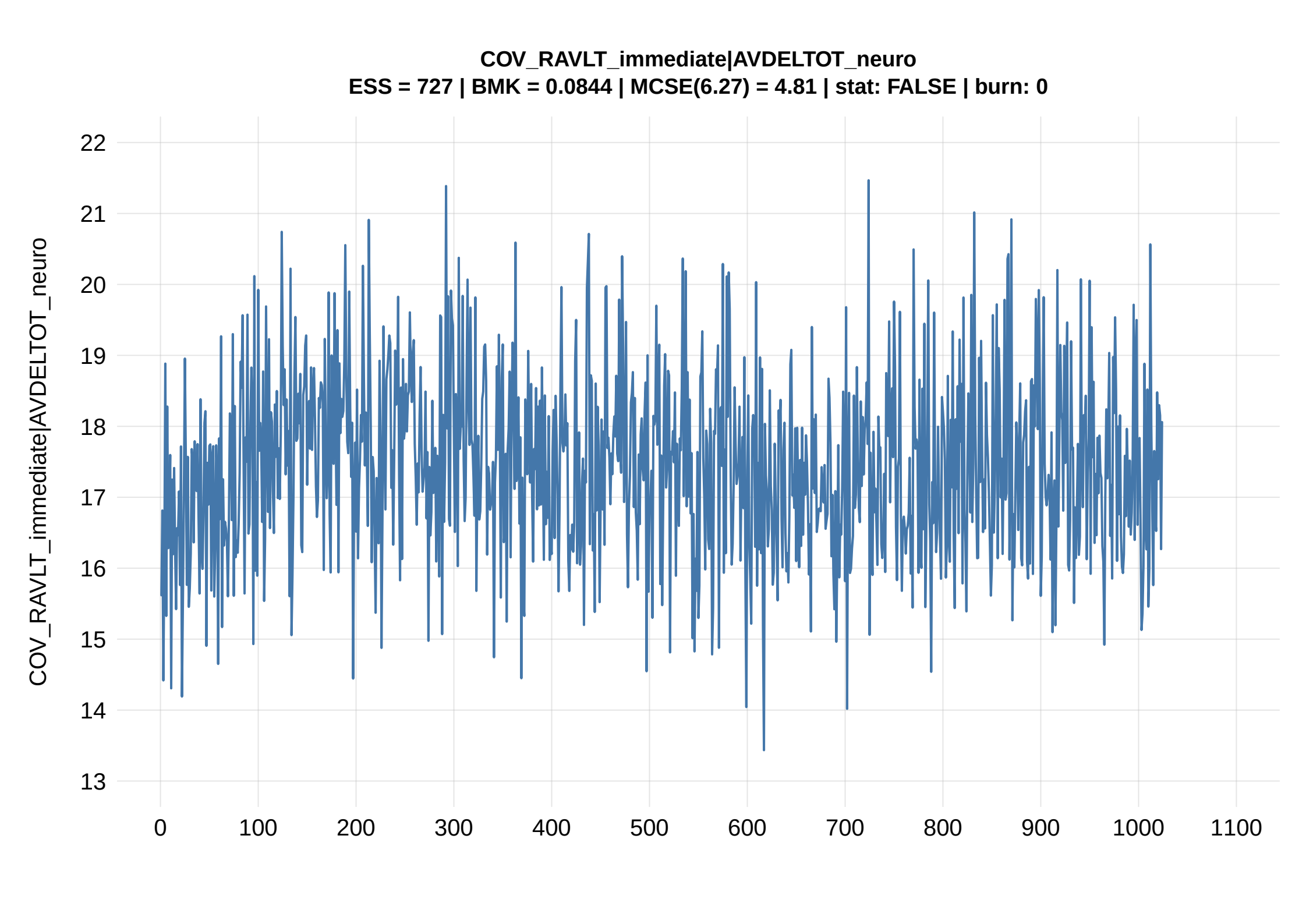

COV_Gender_num_|CATANIMSC_neuro
ESS = 1020 | BMK = 0.0425 | MCSE(6.27) = 4.16 | stat: TRUE | burn: 0
COV_Gender_num_|CATANIMSC_neuro
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
0
100
200
300
400
500
600
700
800
900
1000
1100

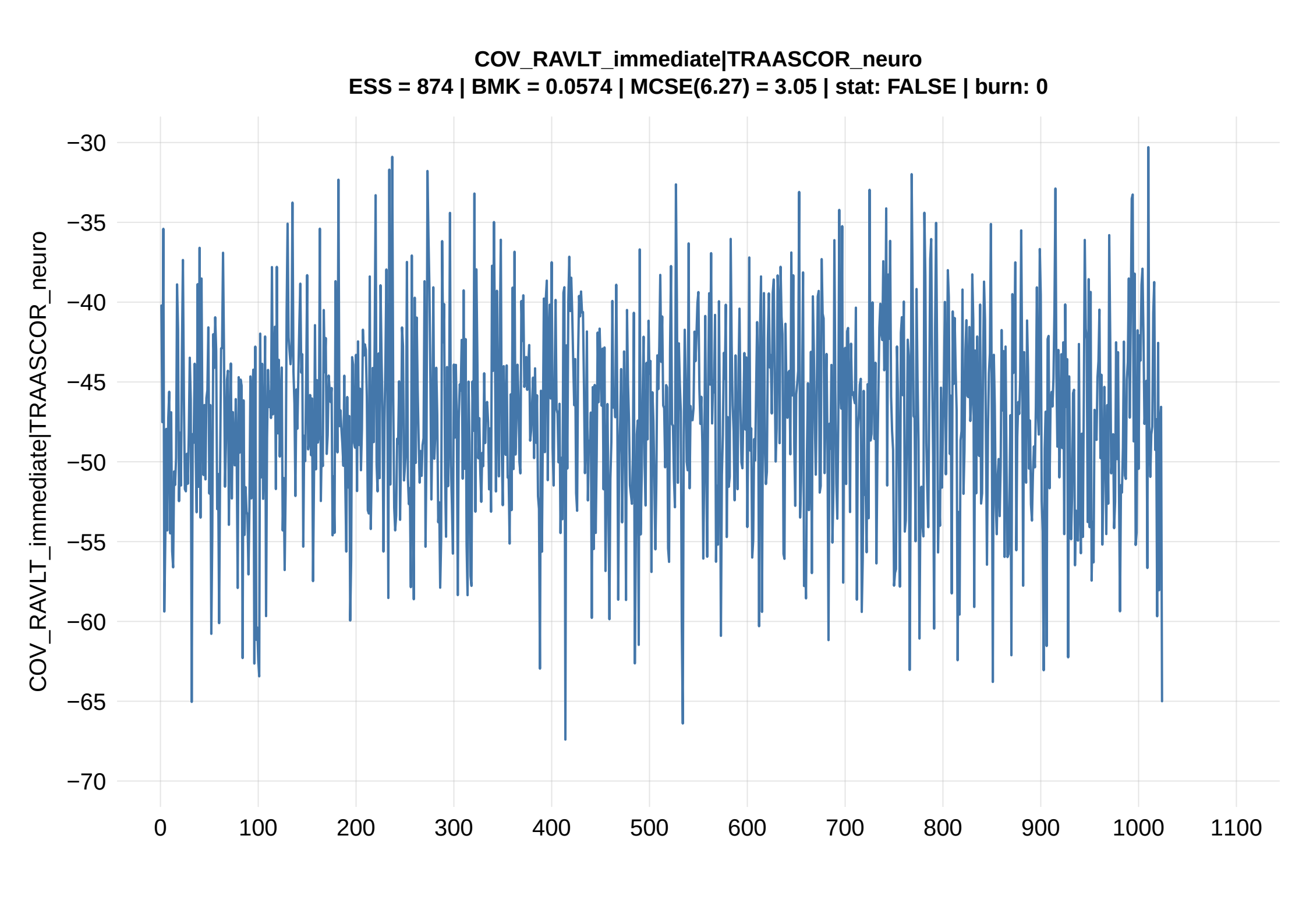

COV_Gender_num_|Apoe4_
ESS = 1020 | BMK = 0.053 | MCSE(6.27) = 3.5 | stat: TRUE | burn: 0
COV_Gender_num_|Apoe4_
0.010
0.005
0.000
−0.005
−0.010
−0.015
−0.020
0
100
200
300
400
500
600
700
800
900
1000
1100

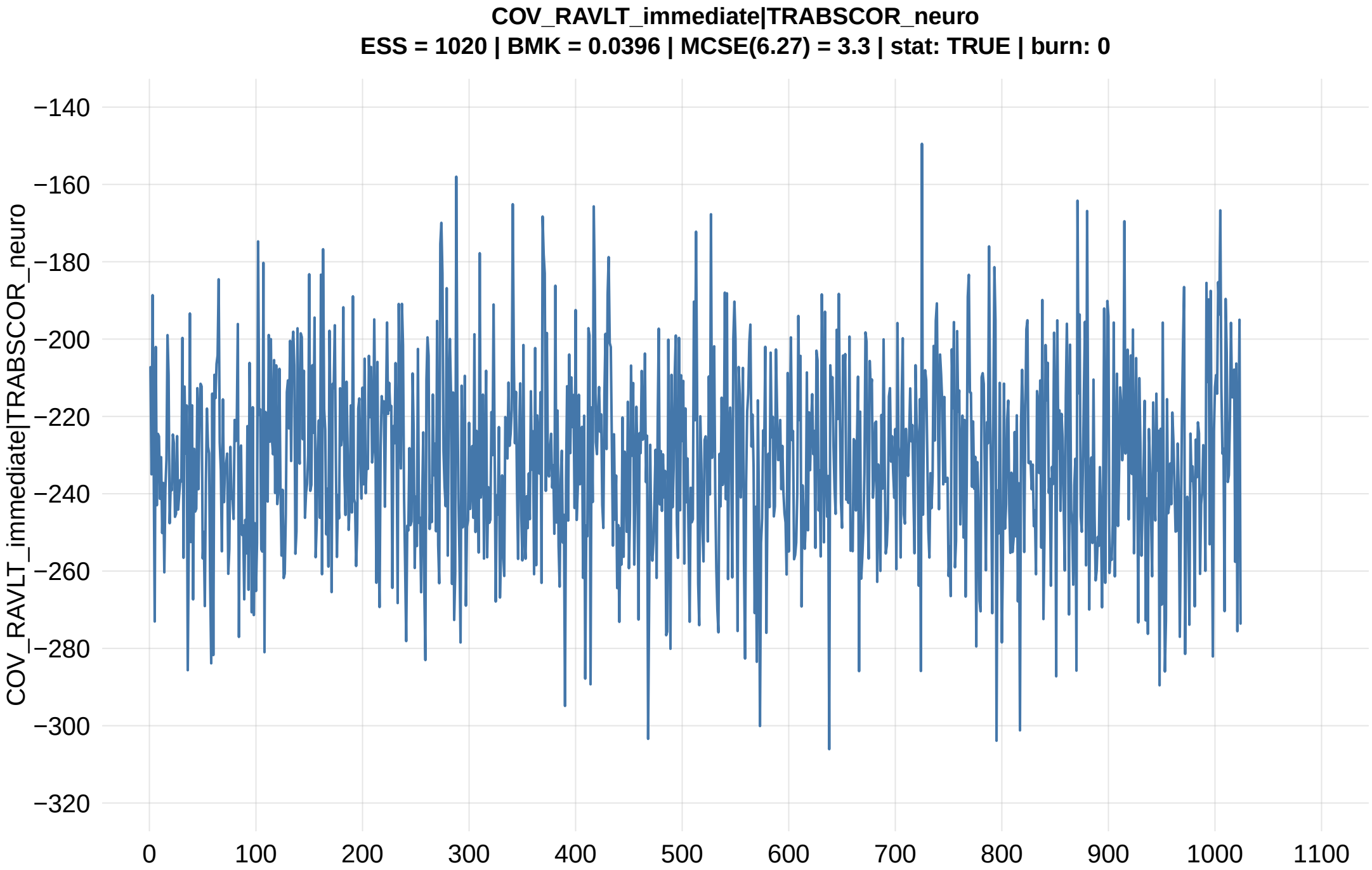

COV_Gender_num_|GDTOTAL_gds
ESS = 922 | BMK = 0.0526 | MCSE(6.27) = 3.95 | stat: TRUE | burn: 0
COV_Gender_num_|GDTOTAL_gds
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
0
100
200
300
400
500
600
700
800
900
1000
1100

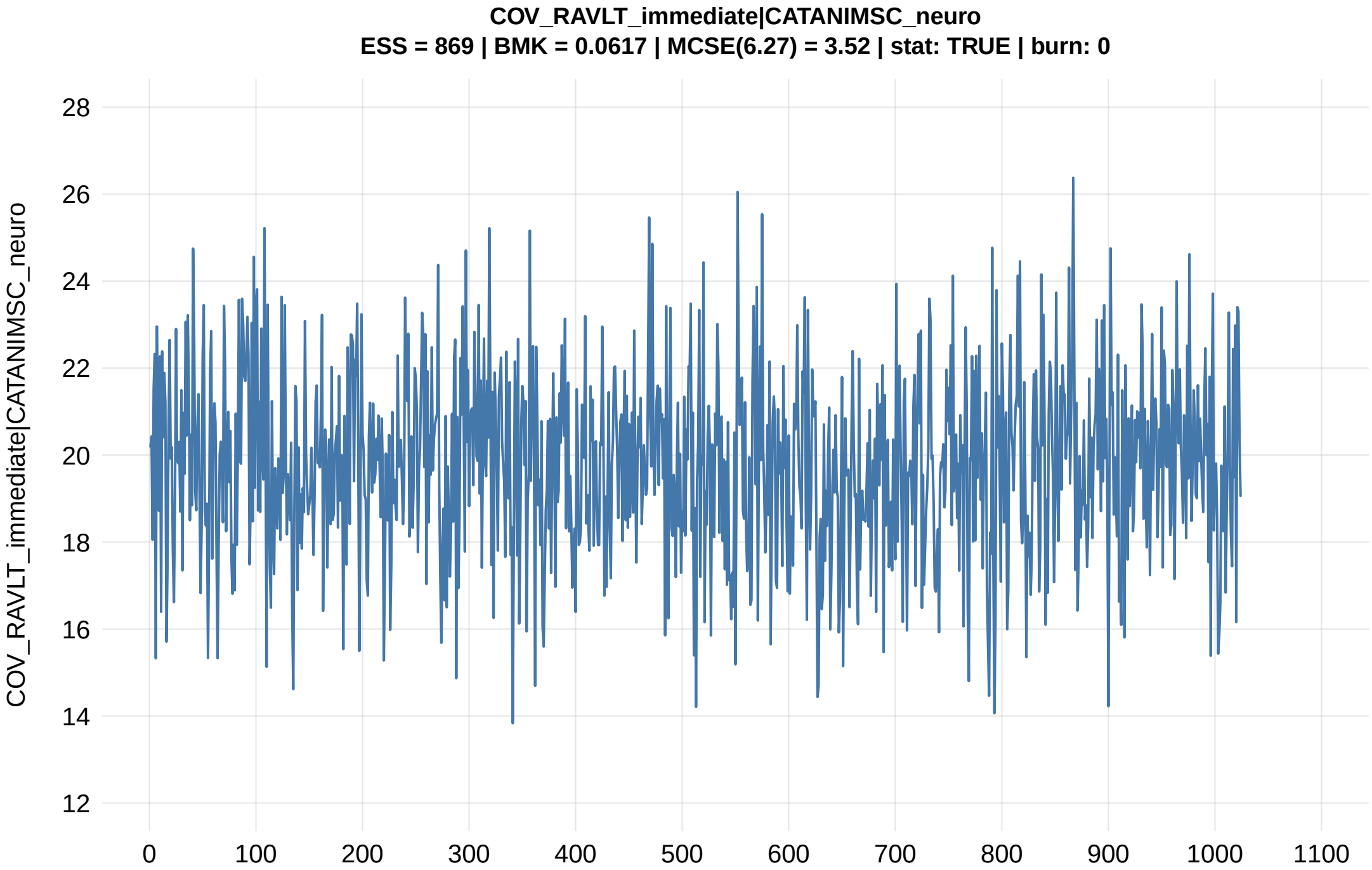

COV_Gender_num_|ANARTERR_neuro
ESS = 832 | BMK = 0.0999 | MCSE(6.27) = 4.57 | stat: FALSE | burn: 0
COV_Gender_num_|ANARTERR_neuro
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400
500
600
700
800
900
1000
1100

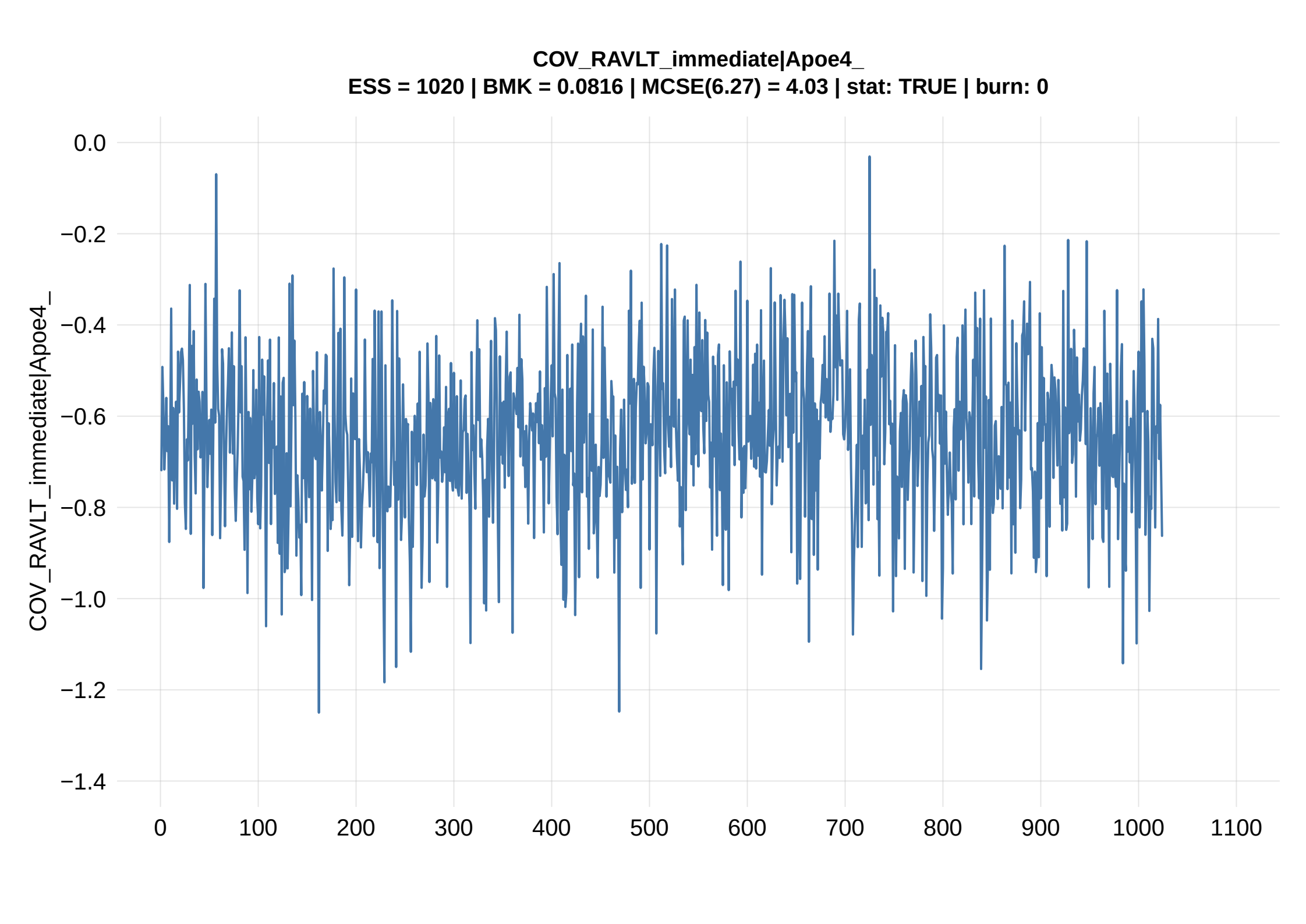

COV_RAVLT_immediate|AVDEL30MIN_neuro
ESS = 1020 | BMK = 0.0551 | MCSE(6.27) = 3.21 | stat: FALSE | burn: 0
COV_RAVLT_immediate|AVDEL30MIN_neuro
34
32
30
28
26
24
22
20
18
0
100
200
300
400
500
600
700
800
900
1000
1100

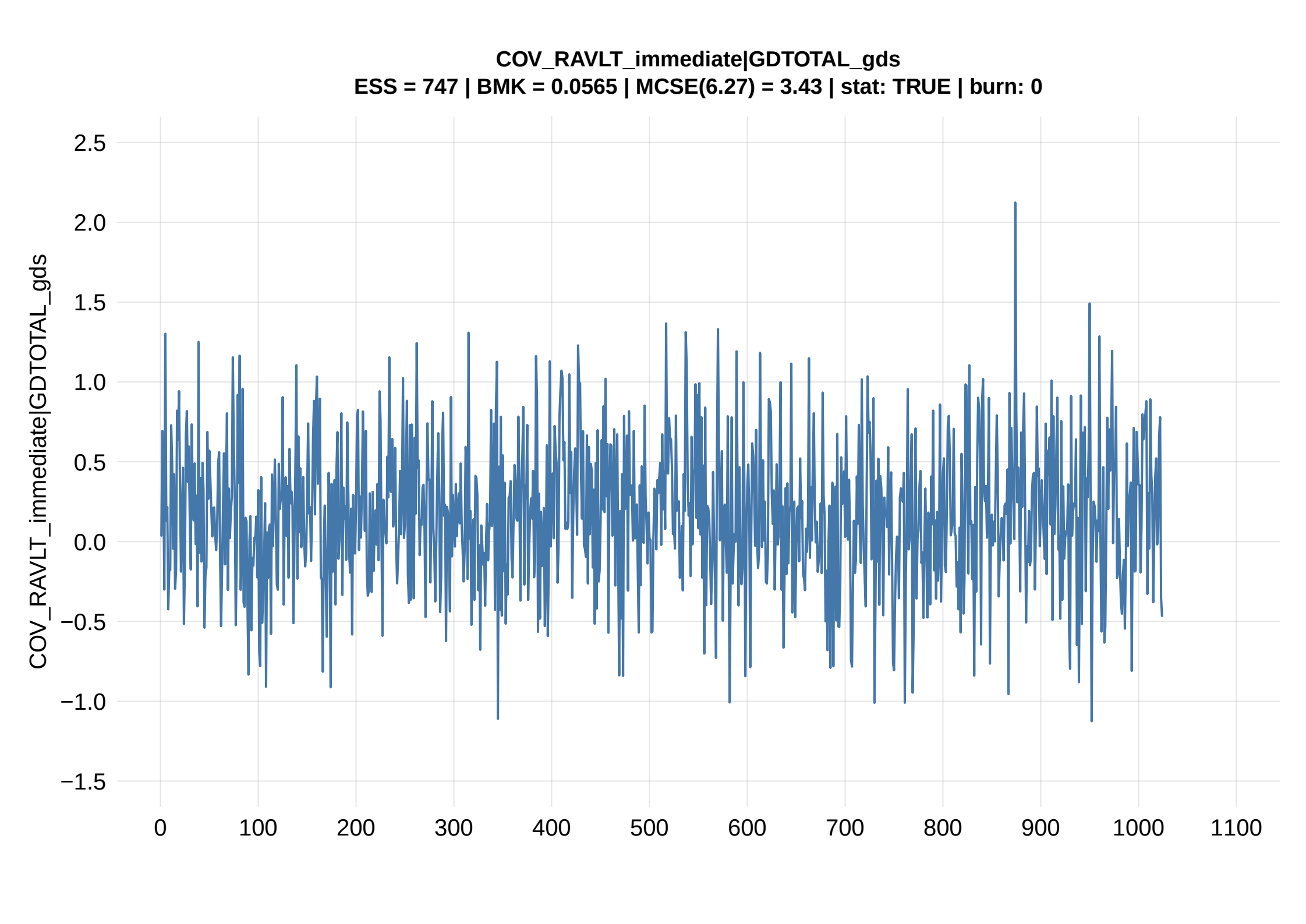

COV_RAVLT_immediate|AVDELTOT_neuro
ESS = 727 | BMK = 0.0844 | MCSE(6.27) = 4.81 | stat: FALSE | burn: 0
COV_RAVLT_immediate|AVDELTOT_neuro
22
21
20
19
18
17
16
15
14
13
0
100
200
300
400
500
600
700
800
900
1000
1100

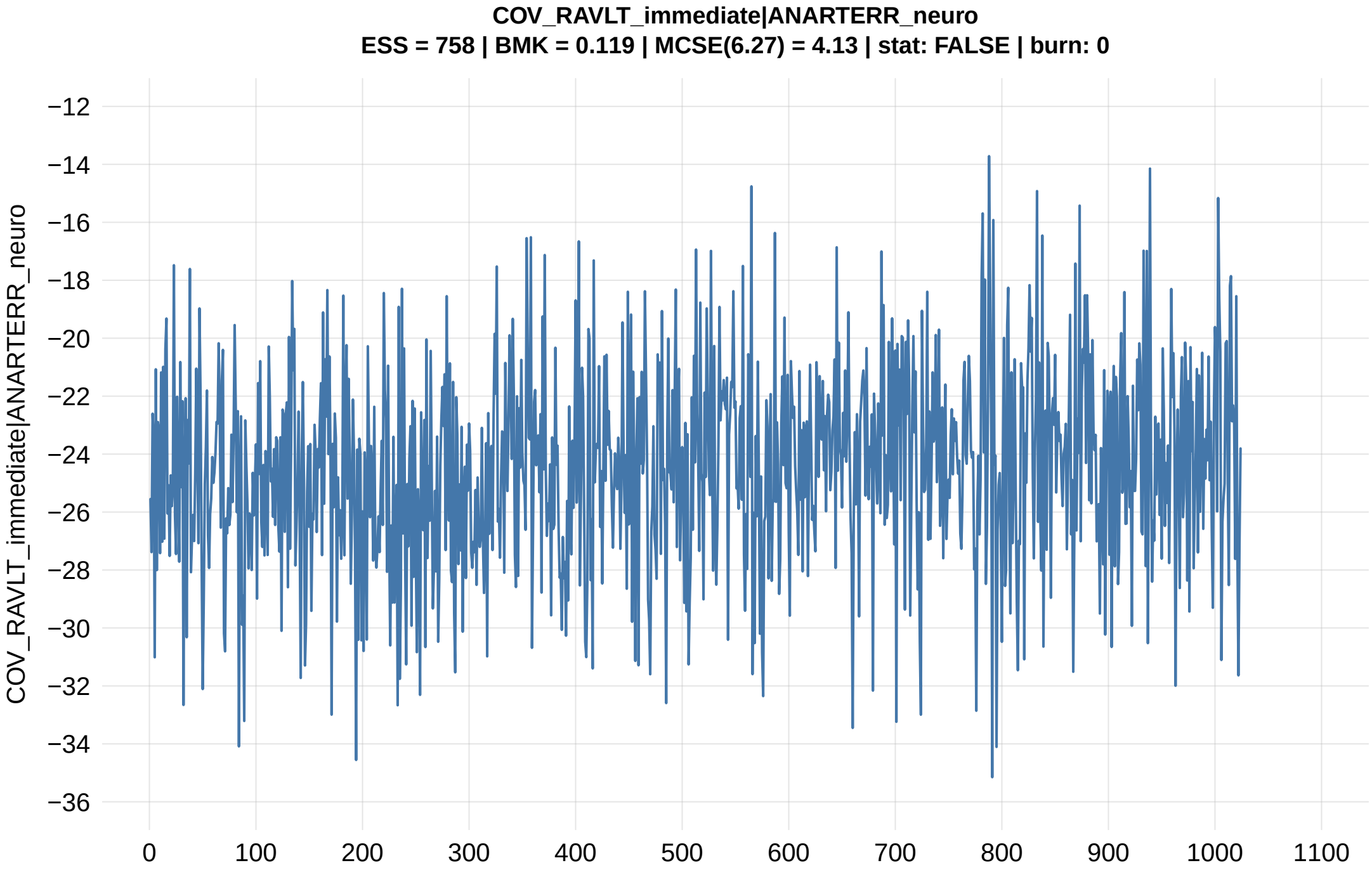

COV_RAVLT_immediate|TRAASCOR_neuro
ESS = 874 | BMK = 0.0574 | MCSE(6.27) = 3.05 | stat: FALSE | burn: 0
COV_RAVLT_immediate|TRAASCOR_neuro
−30
−35
−40
−45
−50
−55
−60
−65
−70
0
100
200
300
400
500
600
700
800
900
1000
1100

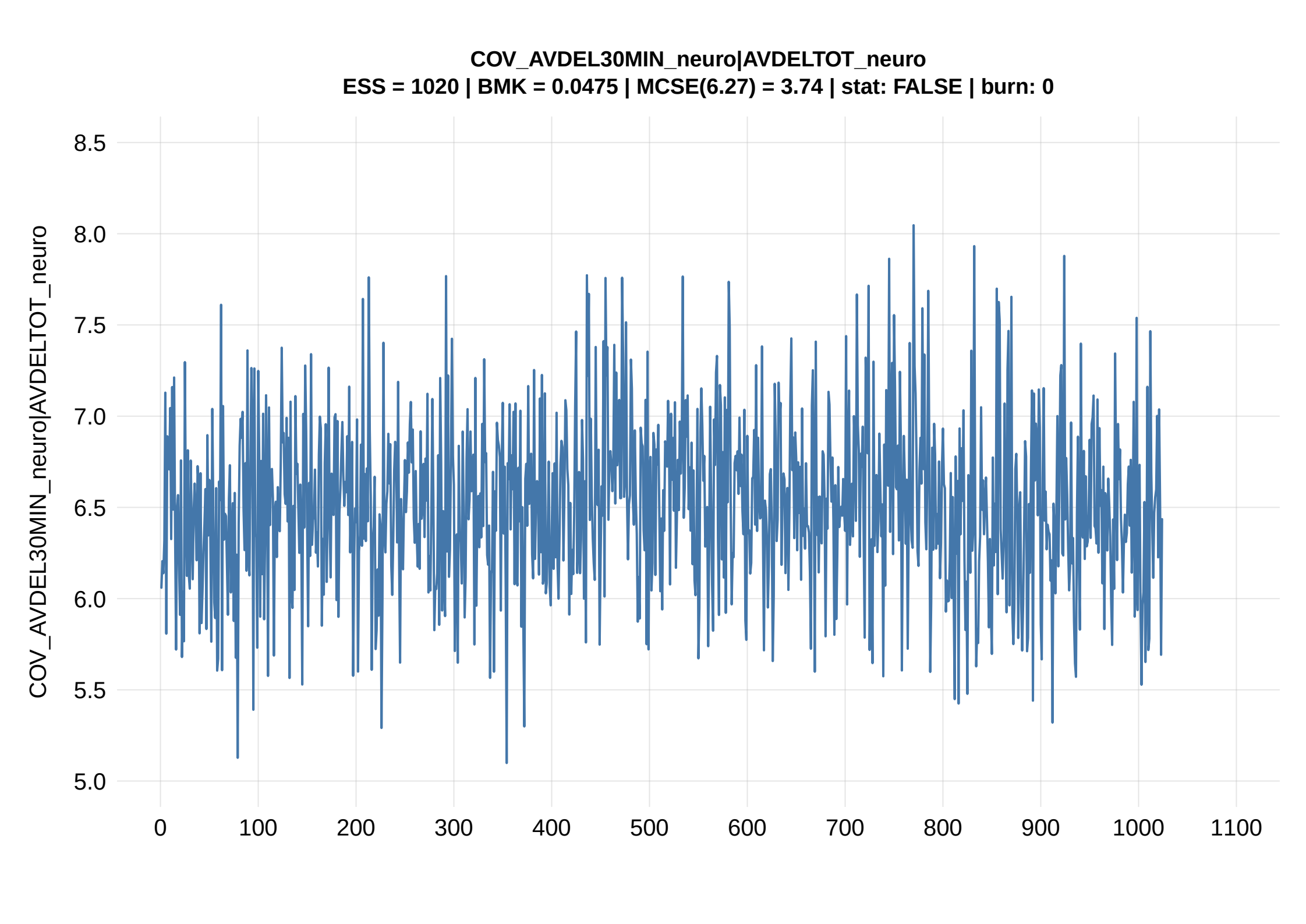

COV_RAVLT_immediate|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0396 | MCSE(6.27) = 3.3 | stat: TRUE | burn: 0
COV_RAVLT_immediate|TRABSCOR_neuro
−140
−160
−180
−200
−220
−240
−260
−280
−300
−320
0
100
200
300
400
500
600
700
800
900
1000
1100

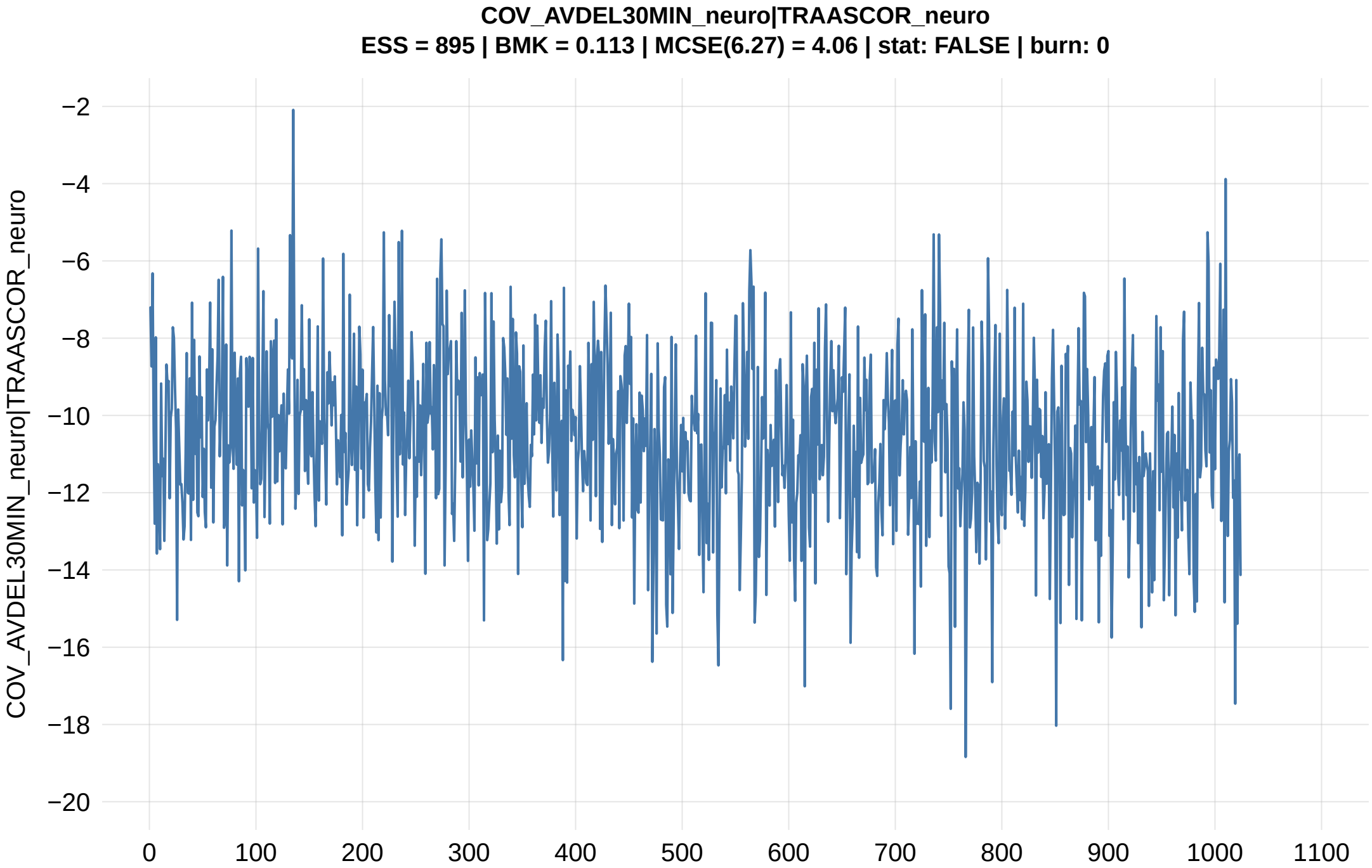

COV_RAVLT_immediate|CATANIMSC_neuro
ESS = 869 | BMK = 0.0617 | MCSE(6.27) = 3.52 | stat: TRUE | burn: 0
COV_RAVLT_immediate|CATANIMSC_neuro
28
26
24
22
20
18
16
14
12
0
100
200
300
400
500
600
700
800
900
1000
1100

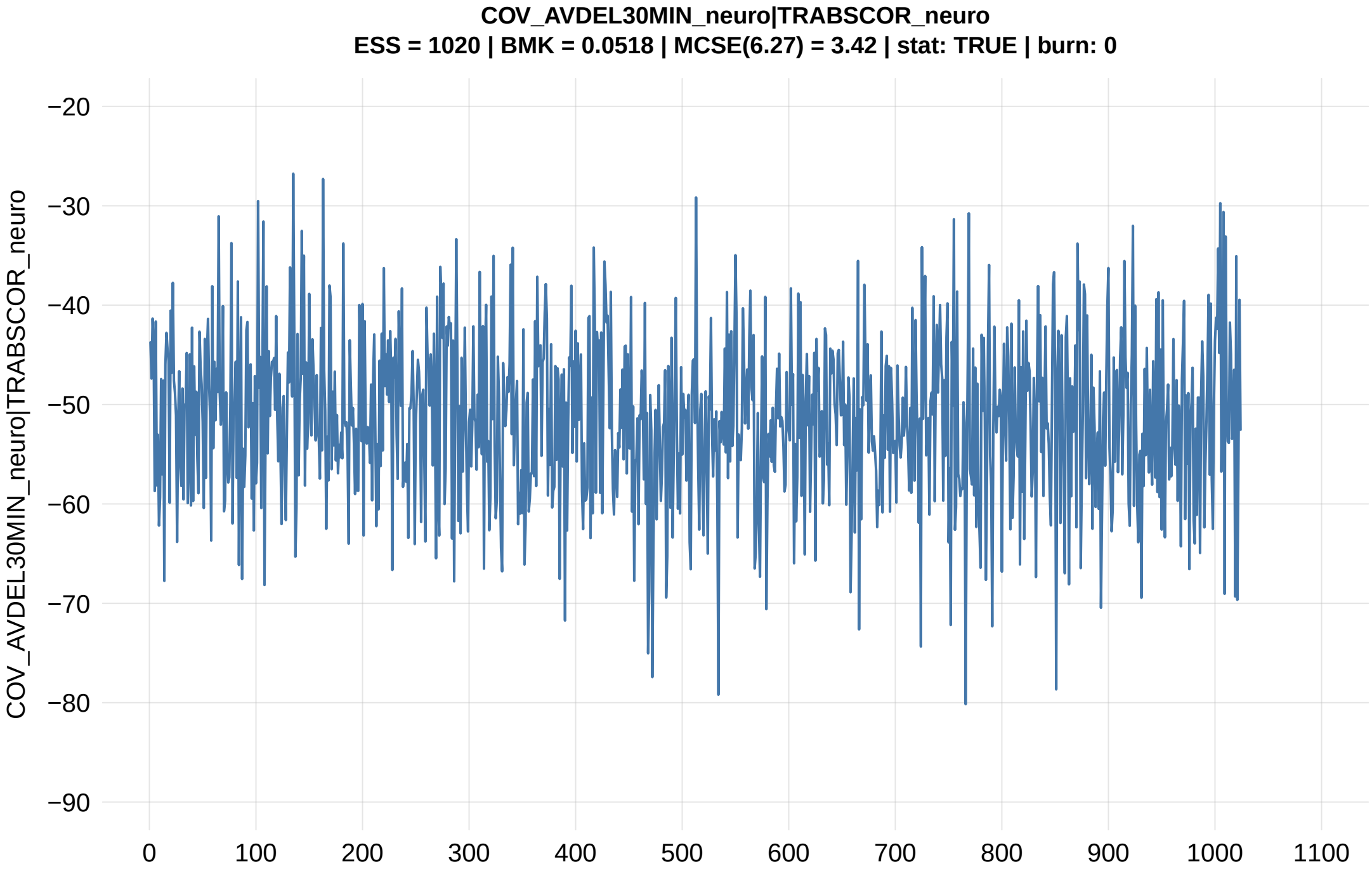

COV_RAVLT_immediate|Apoe4_
ESS = 1020 | BMK = 0.0816 | MCSE(6.27) = 4.03 | stat: TRUE | burn: 0
COV_RAVLT_immediate|Apoe4_
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
−1.4
0
100
200
300
400
500
600
700
800
900
1000
1100

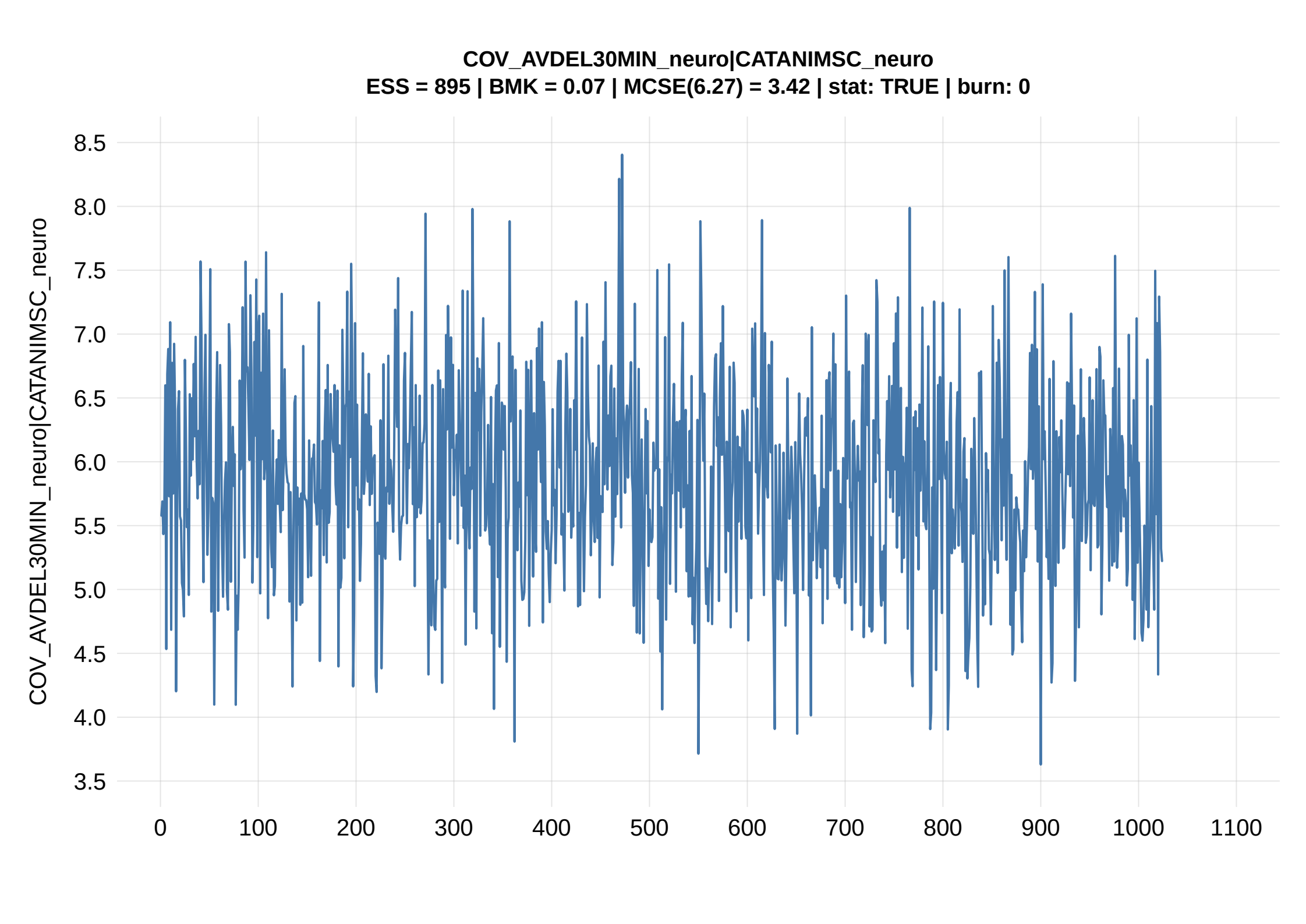

COV_RAVLT_immediate|GDTOTAL_gds
ESS = 747 | BMK = 0.0565 | MCSE(6.27) = 3.43 | stat: TRUE | burn: 0
COV_RAVLT_immediate|GDTOTAL_gds
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
0
100
200
300
400
500
600
700
800
900
1000
1100

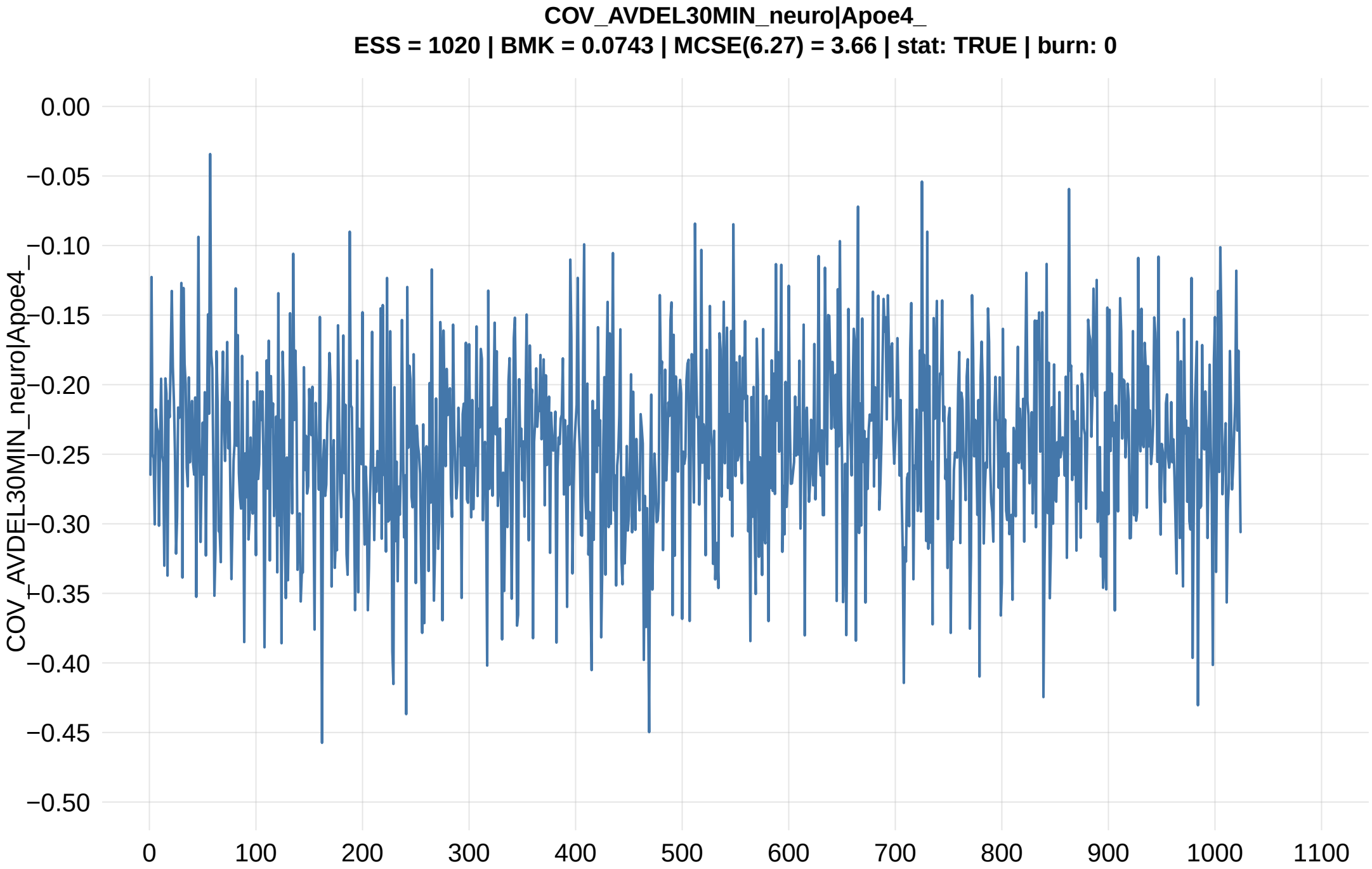

COV_RAVLT_immediate|ANARTERR_neuro
ESS = 758 | BMK = 0.119 | MCSE(6.27) = 4.13 | stat: FALSE | burn: 0
COV_RAVLT_immediate|ANARTERR_neuro
−12
−14
−16
−18
−20
−22
−24
−26
−28
−30
−32
−34
−36
0
100
200
300
400
500
600
700
800
900
1000
1100

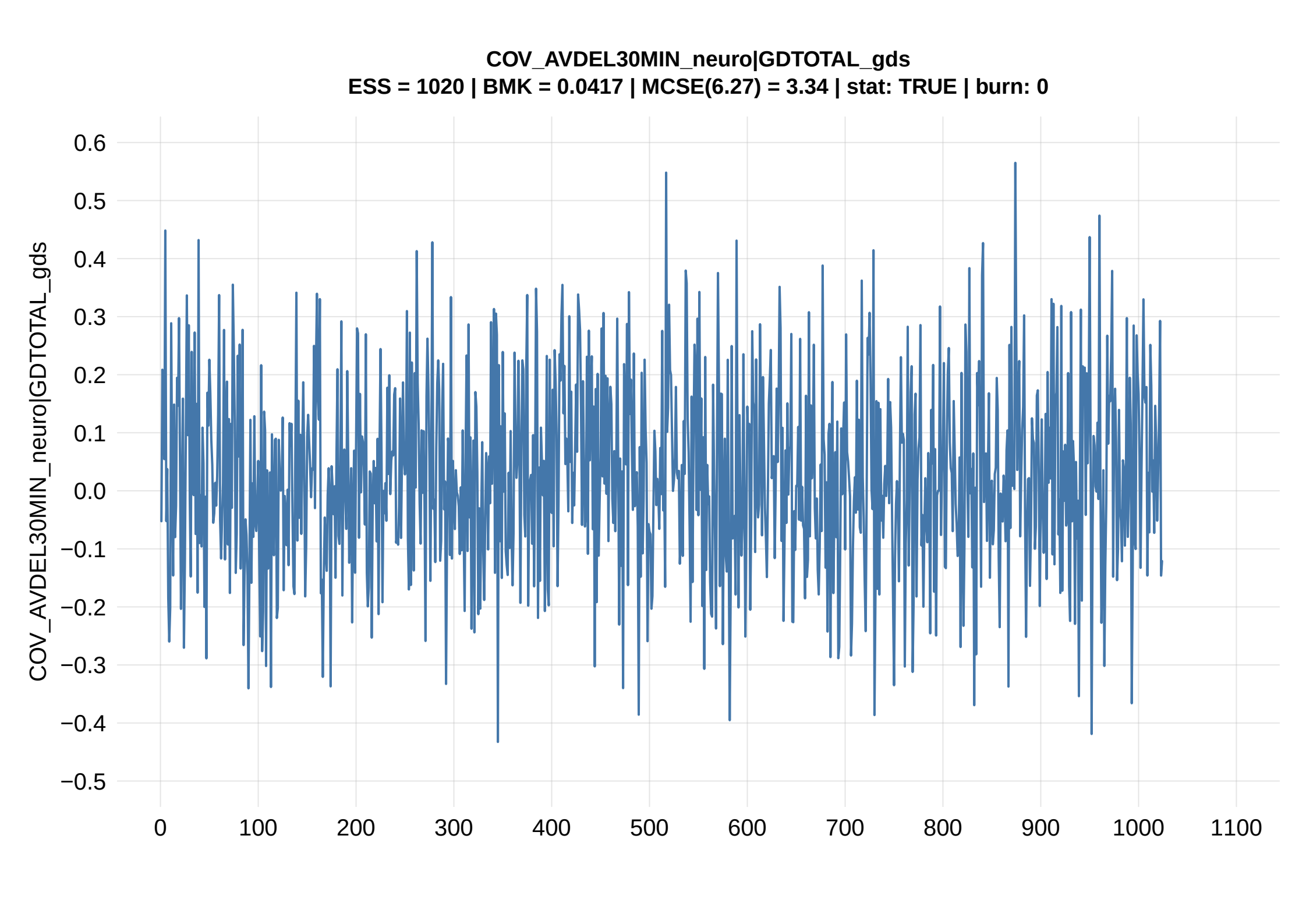

COV_AVDEL30MIN_neuro|AVDELTOT_neuro
ESS = 1020 | BMK = 0.0475 | MCSE(6.27) = 3.74 | stat: FALSE | burn: 0
COV_AVDEL30MIN_neuro|AVDELTOT_neuro
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
0
100
200
300
400
500
600
700
800
900
1000
1100

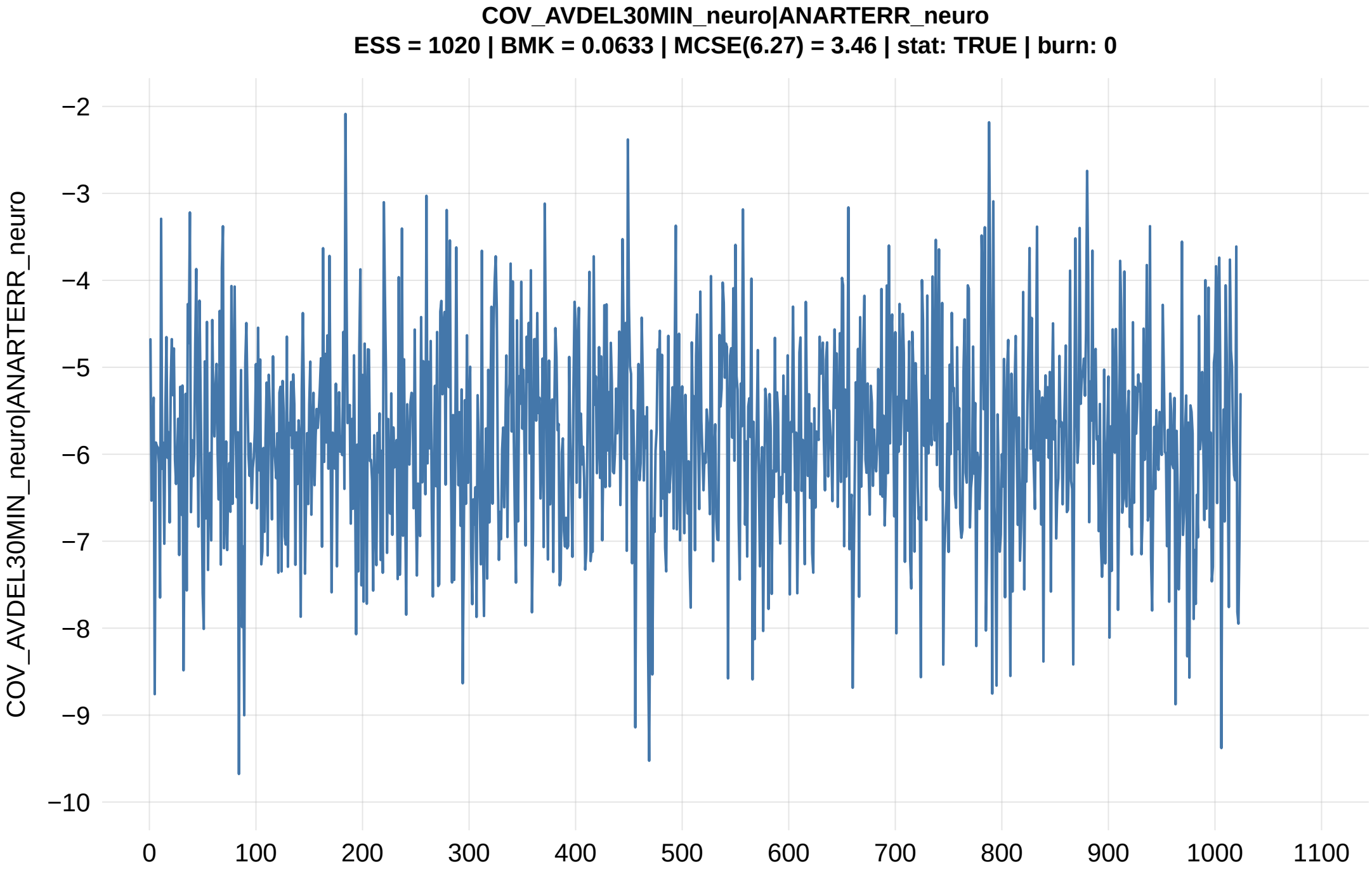

COV_AVDEL30MIN_neuro|TRAASCOR_neuro
ESS = 895 | BMK = 0.113 | MCSE(6.27) = 4.06 | stat: FALSE | burn: 0
COV_AVDEL30MIN_neuro|TRAASCOR_neuro
−2
−4
−6
−8
−10
−12
−14
−16
−18
−20
0
100
200
300
400
500
600
700
800
900
1000
1100

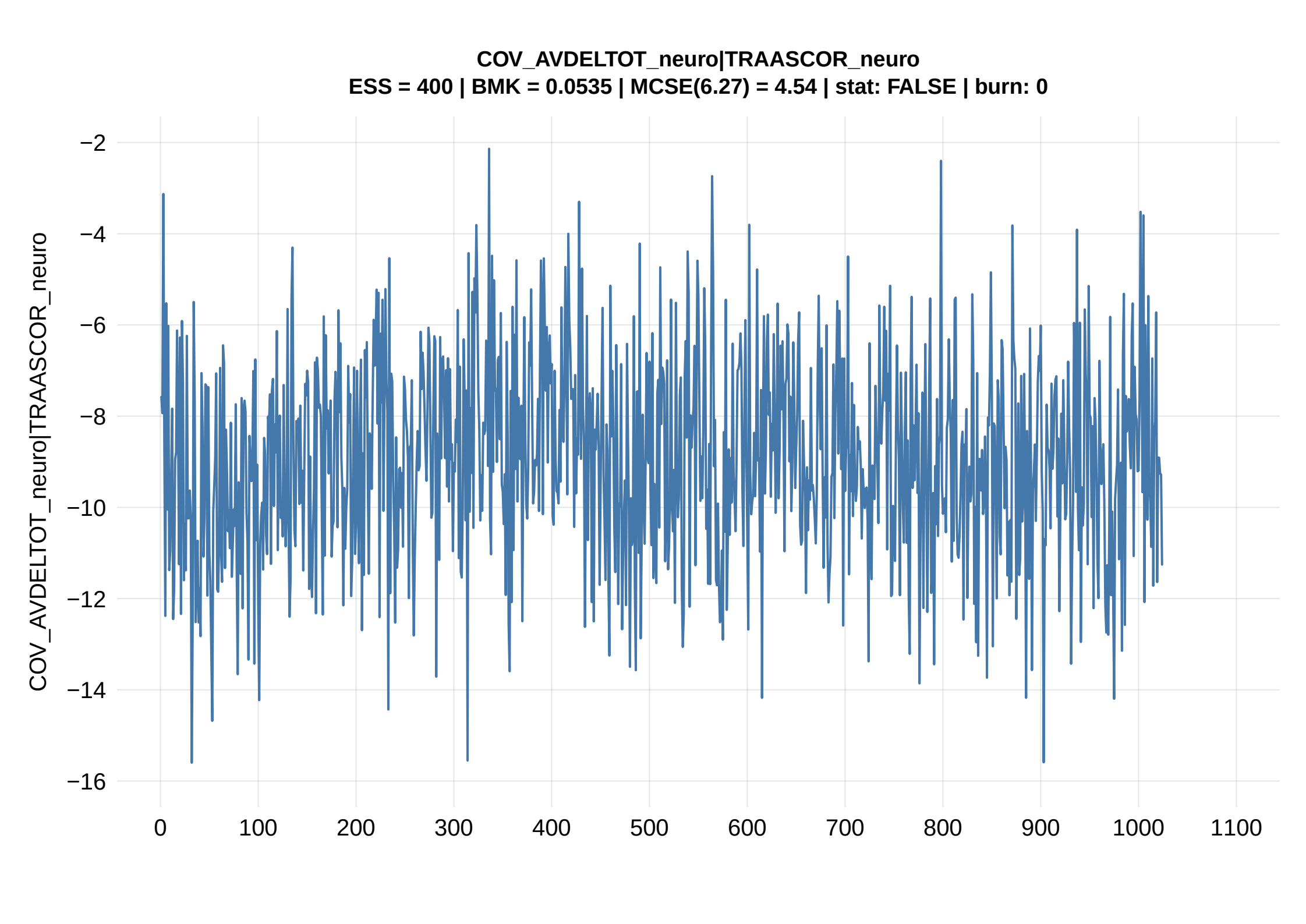

COV_AVDEL30MIN_neuro|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0518 | MCSE(6.27) = 3.42 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|TRABSCOR_neuro
−20
−30
−40
−50
−60
−70
−80
−90
0
100
200
300
400
500
600
700
800
900
1000
1100

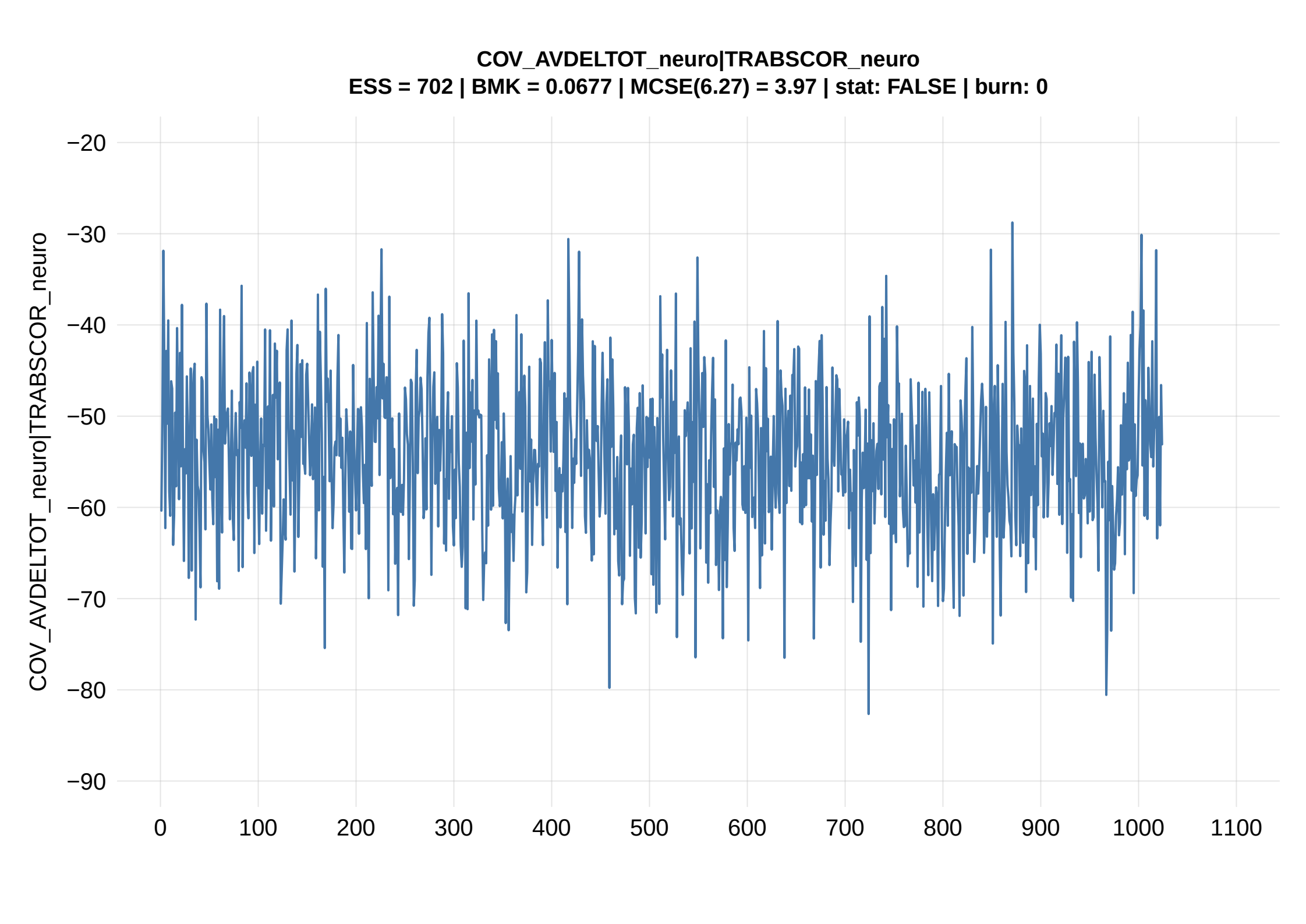

COV_AVDEL30MIN_neuro|CATANIMSC_neuro
ESS = 895 | BMK = 0.07 | MCSE(6.27) = 3.42 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|CATANIMSC_neuro
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
0
100
200
300
400
500
600
700
800
900
1000
1100

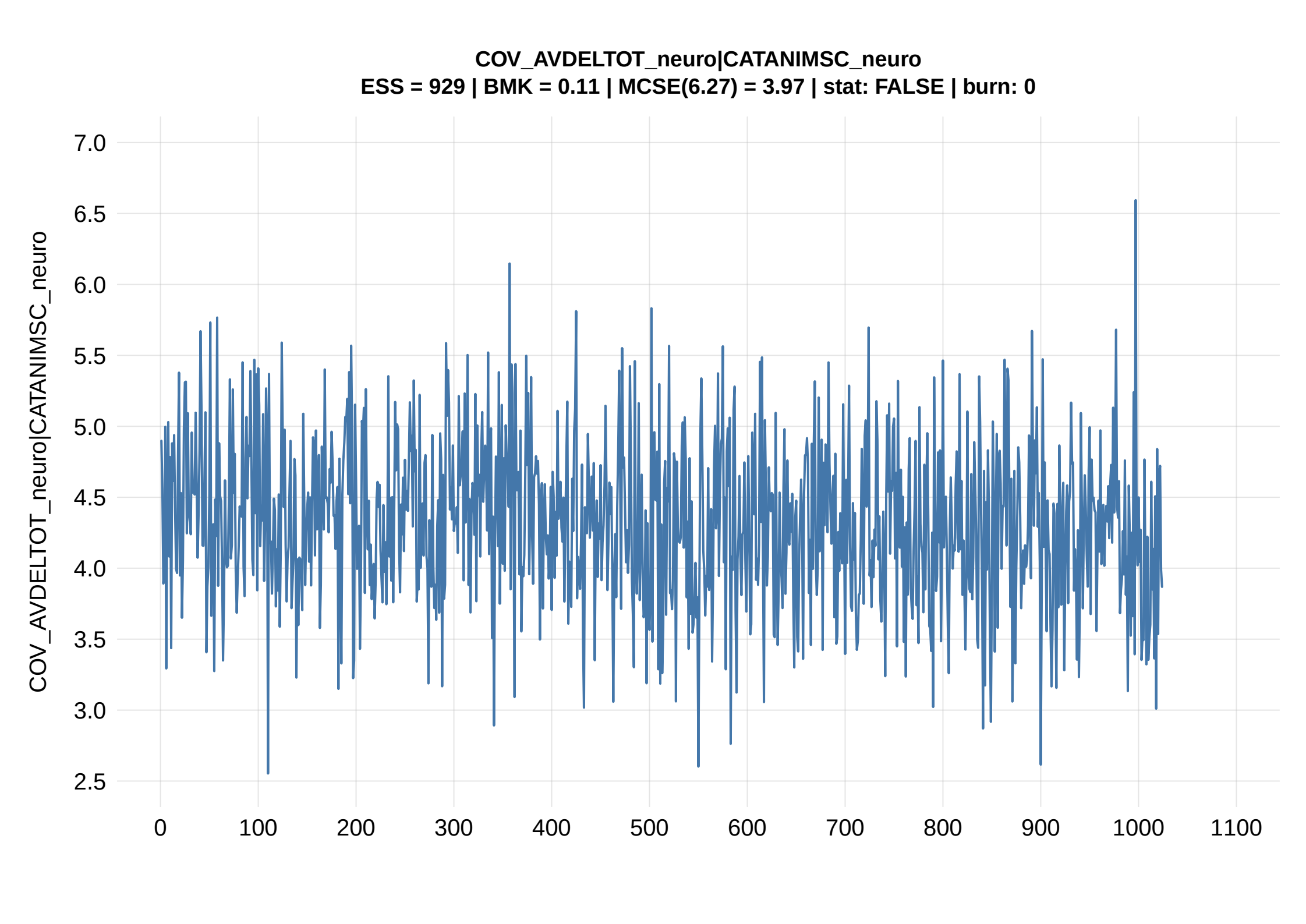

COV_AVDEL30MIN_neuro|Apoe4_
ESS = 1020 | BMK = 0.0743 | MCSE(6.27) = 3.66 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|Apoe4_
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
−0.35
−0.40
−0.45
−0.50
0
100
200
300
400
500
600
700
800
900
1000
1100

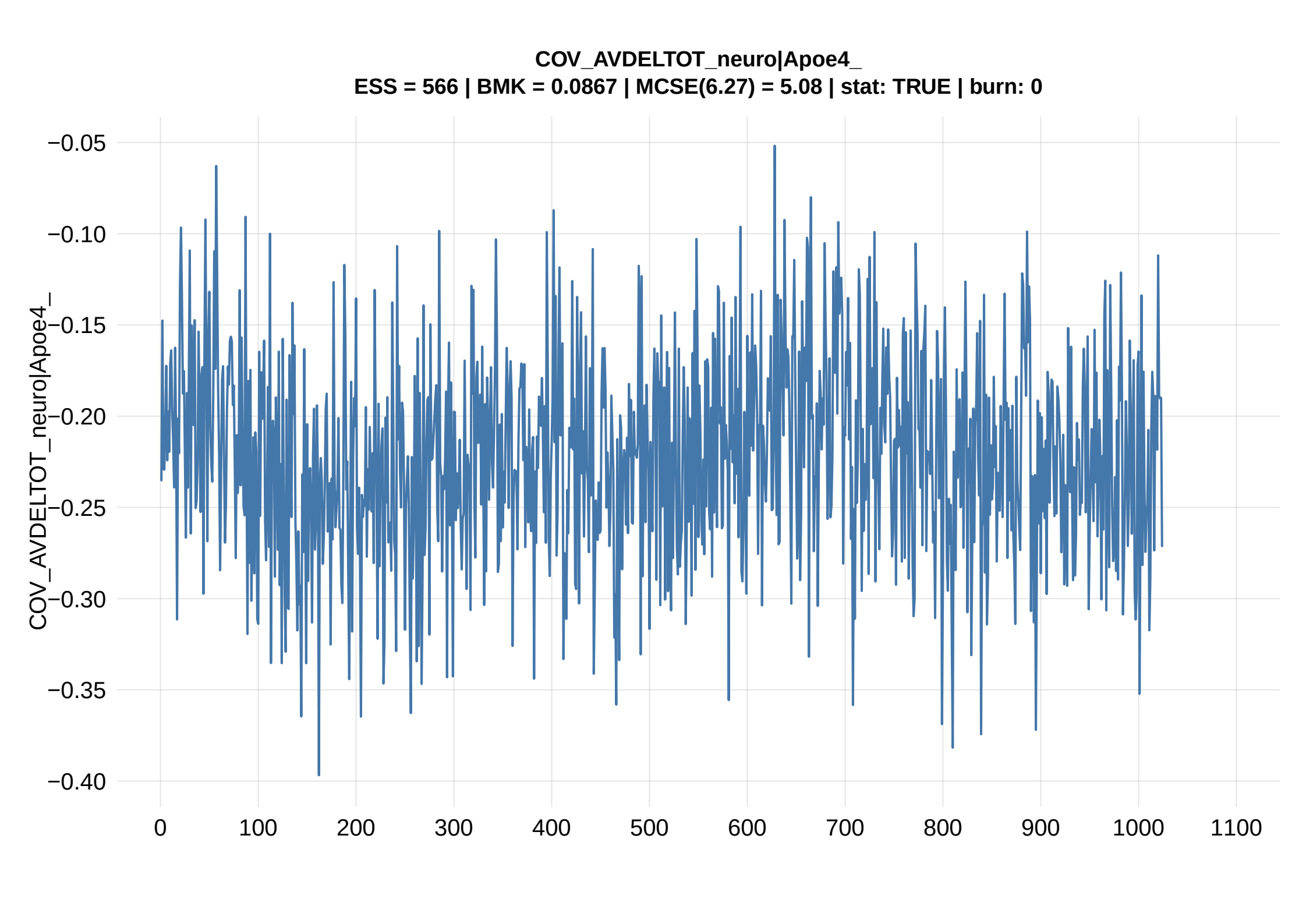

COV_AVDEL30MIN_neuro|GDTOTAL_gds
ESS = 1020 | BMK = 0.0417 | MCSE(6.27) = 3.34 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|GDTOTAL_gds
0.6
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
0
100
200
300
400
500
600
700
800
900
1000
1100

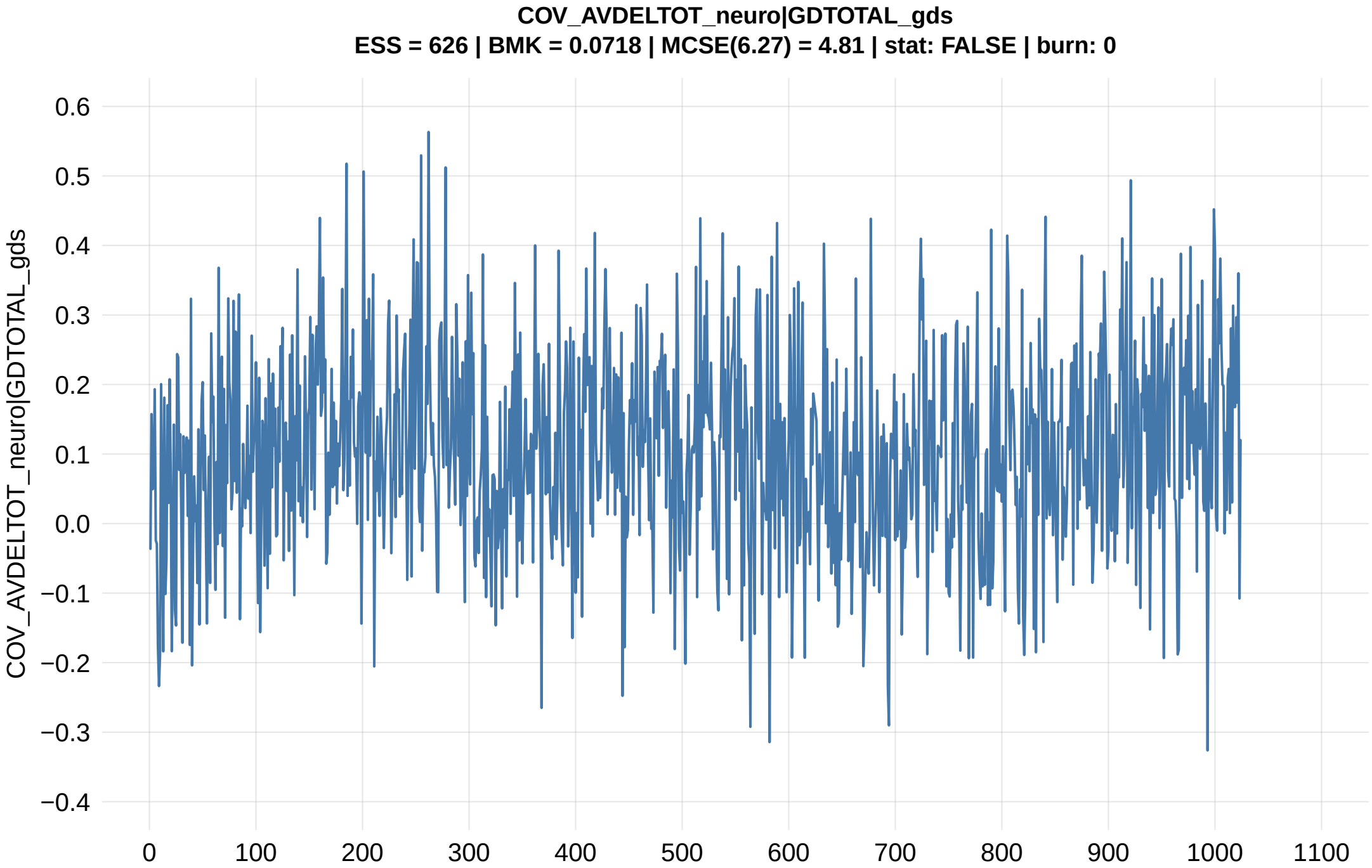

COV_AVDEL30MIN_neuro|ANARTERR_neuro
ESS = 1020 | BMK = 0.0633 | MCSE(6.27) = 3.46 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|ANARTERR_neuro
−2
−3
−4
−5
−6
−7
−8
−9
−10
0
100
200
300
400
500
600
700
800
900
1000
1100

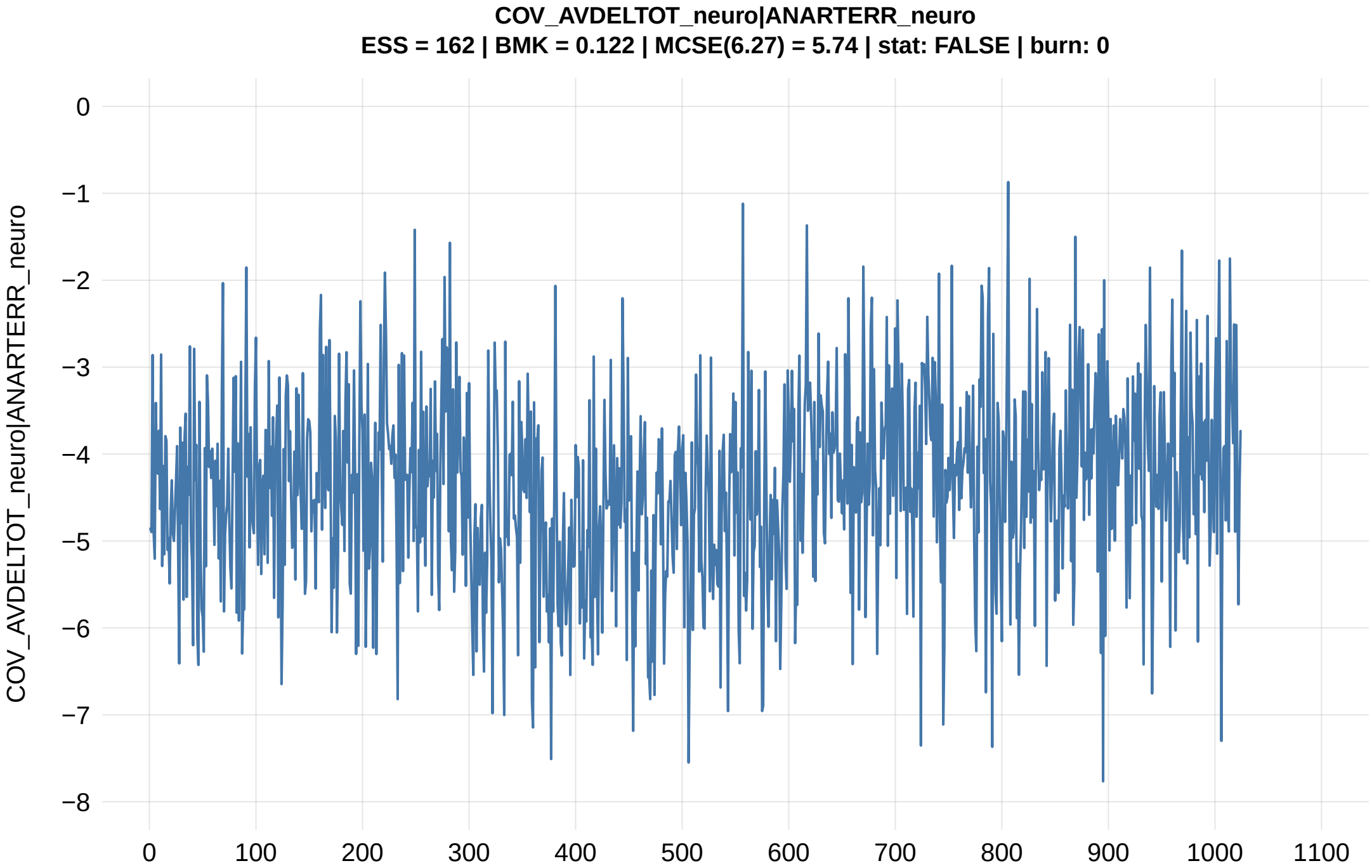

COV_AVDELTOT_neuro|TRAASCOR_neuro
ESS = 400 | BMK = 0.0535 | MCSE(6.27) = 4.54 | stat: FALSE | burn: 0
COV_AVDELTOT_neuro|TRAASCOR_neuro
−2
−4
−6
−8
−10
−12
−14
−16
0
100
200
300
400
500
600
700
800
900
1000
1100

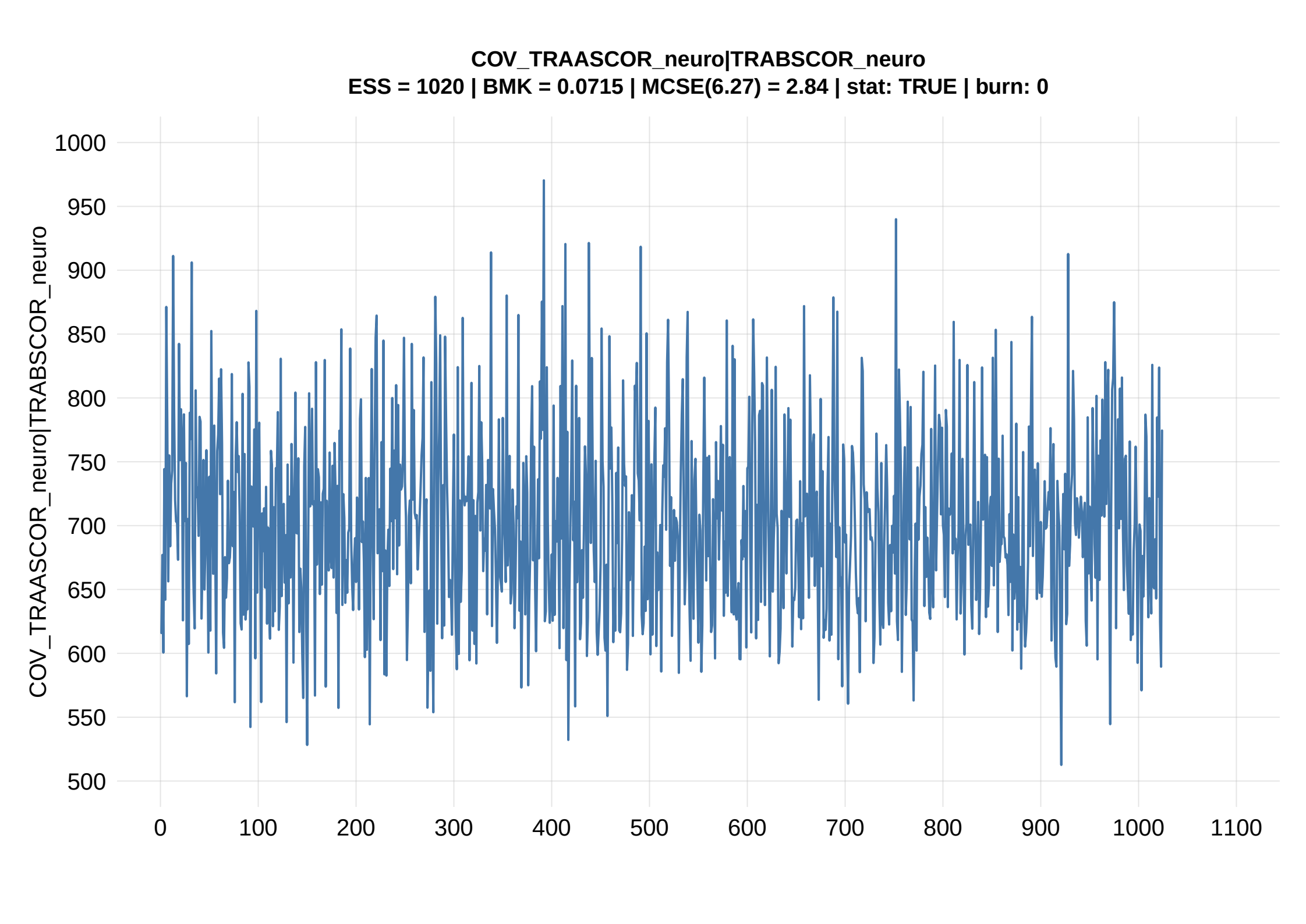

COV_AVDELTOT_neuro|TRABSCOR_neuro
ESS = 702 | BMK = 0.0677 | MCSE(6.27) = 3.97 | stat: FALSE | burn: 0
COV_AVDELTOT_neuro|TRABSCOR_neuro
−20
−30
−40
−50
−60
−70
−80
−90
0
100
200
300
400
500
600
700
800
900
1000
1100

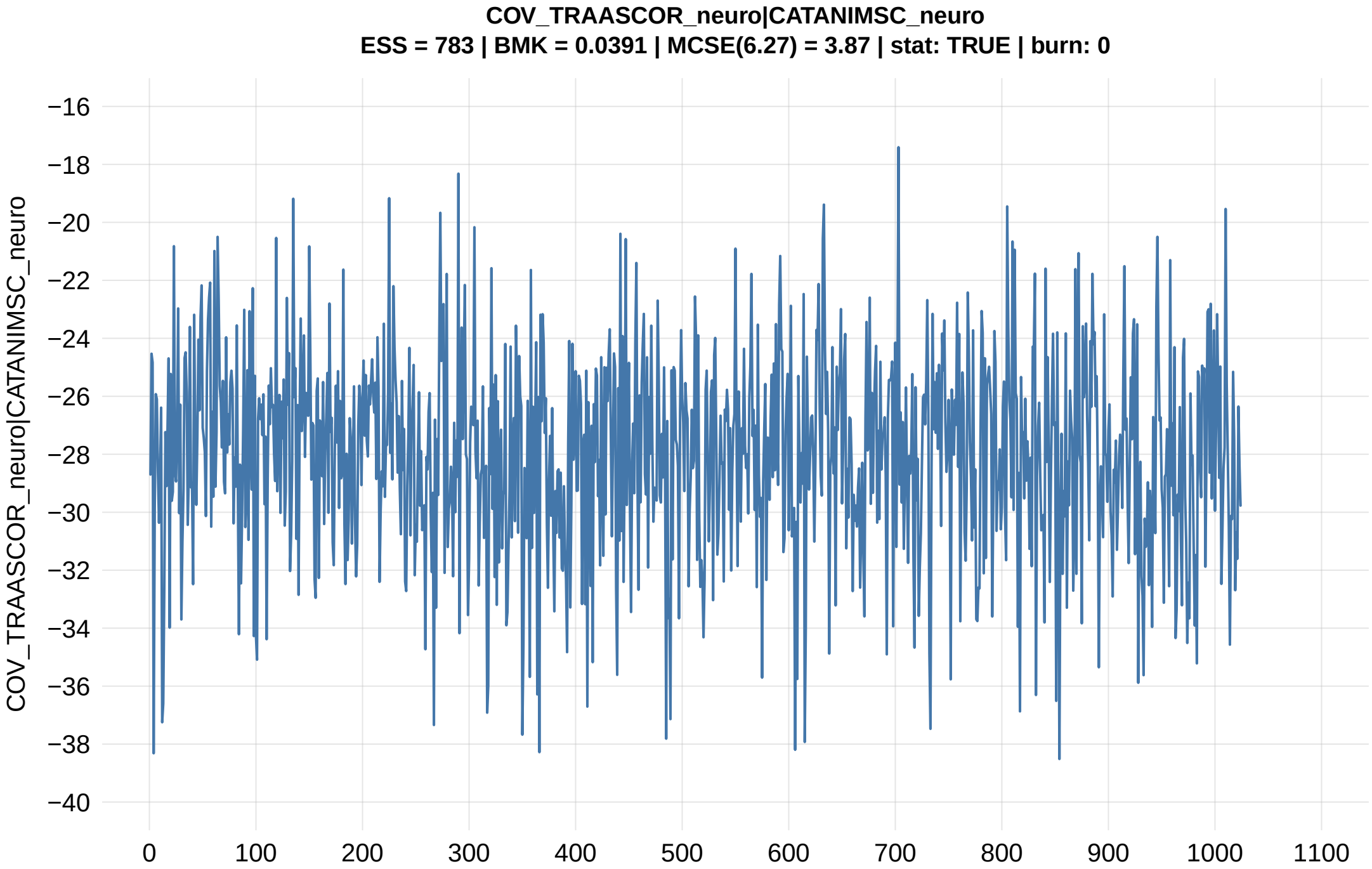

COV_AVDELTOT_neuro|CATANIMSC_neuro
ESS = 929 | BMK = 0.11 | MCSE(6.27) = 3.97 | stat: FALSE | burn: 0
COV_AVDELTOT_neuro|CATANIMSC_neuro
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
0
100
200
300
400
500
600
700
800
900
1000
1100

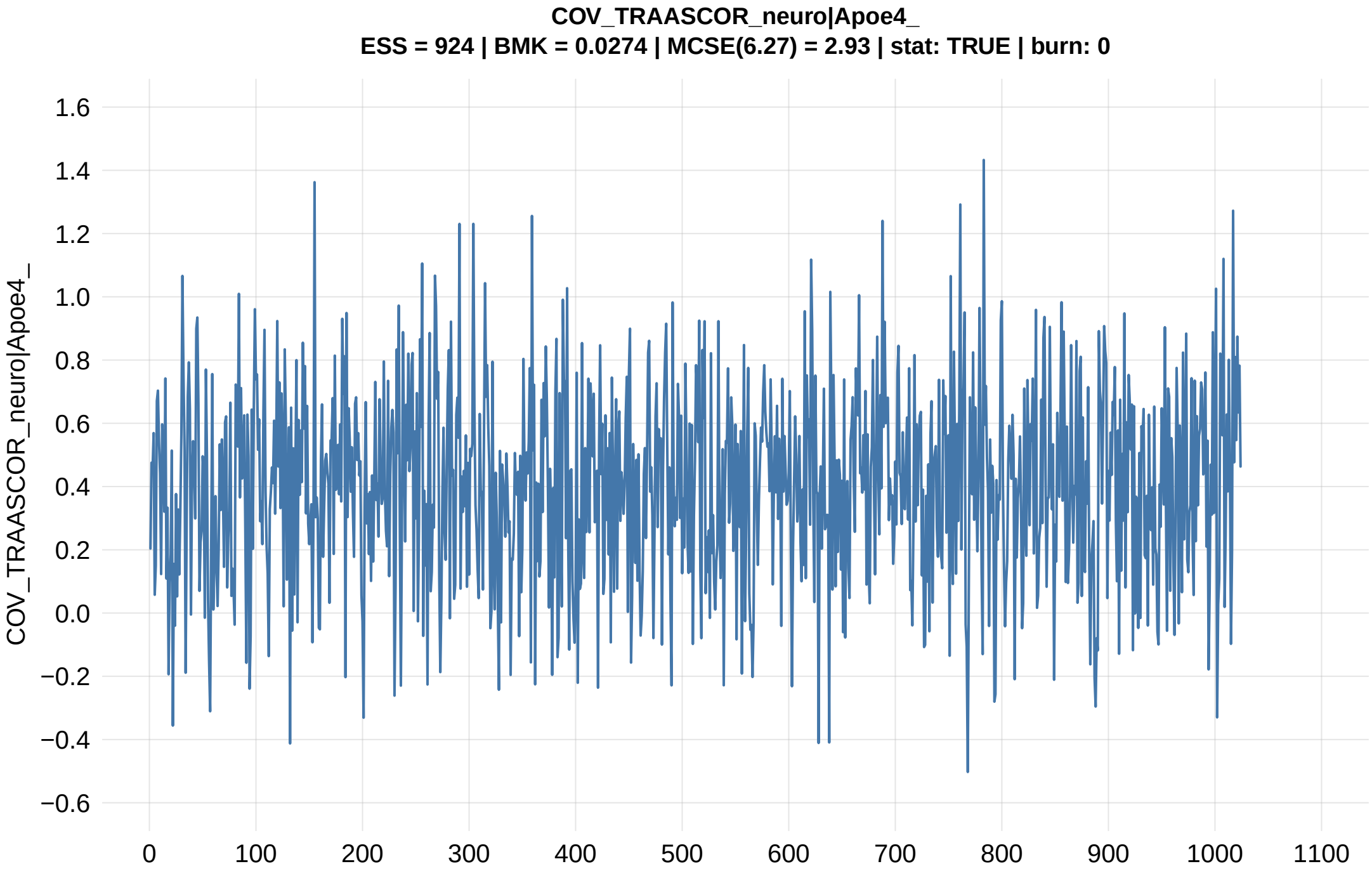

COV_AVDELTOT_neuro|Apoe4_
ESS = 566 | BMK = 0.0867 | MCSE(6.27) = 5.08 | stat: TRUE | burn: 0
COV_AVDELTOT_neuro|Apoe4_
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
−0.35
−0.40
0
100
200
300
400
500
600
700
800
900
1000
1100

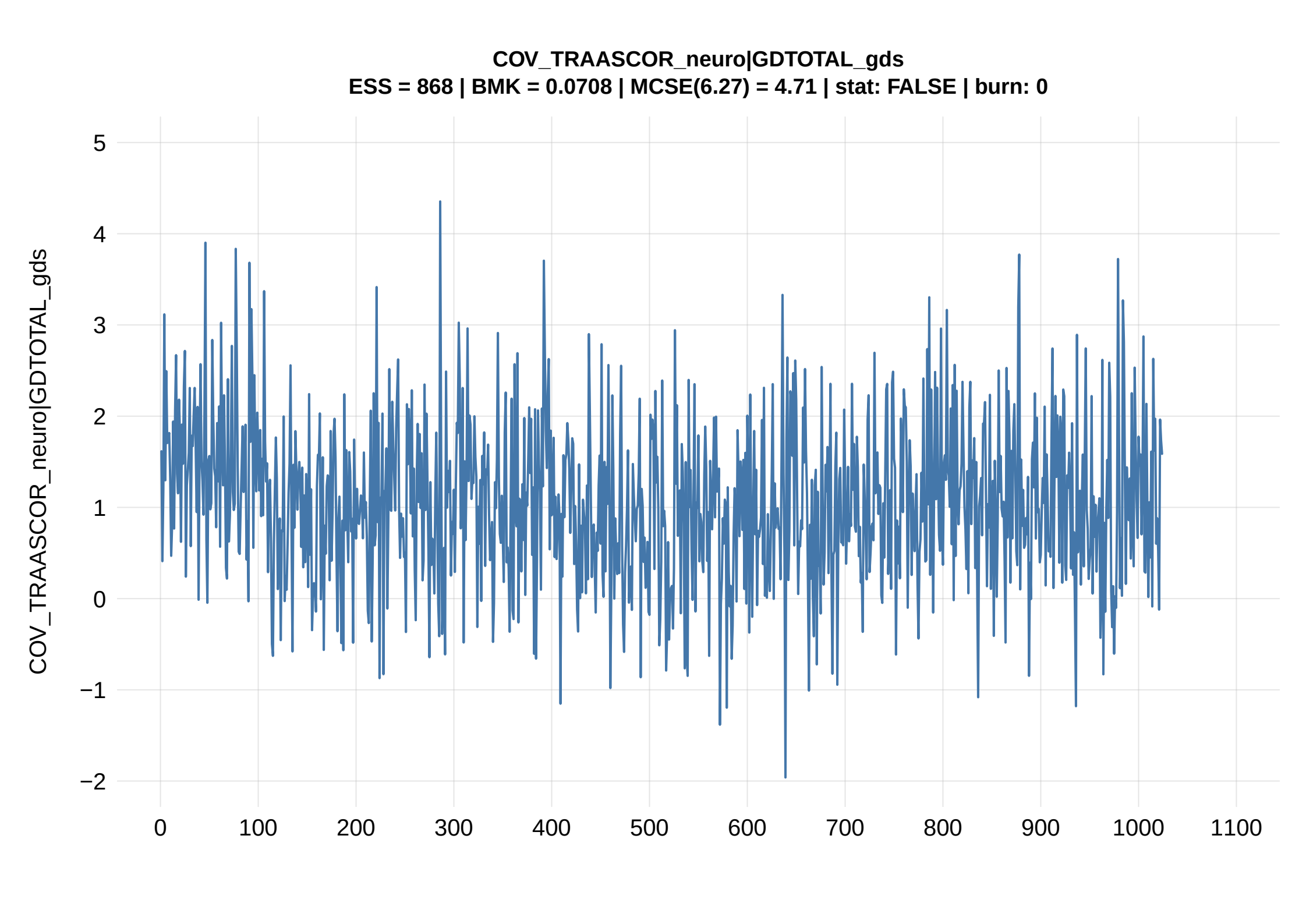

COV_AVDELTOT_neuro|GDTOTAL_gds
ESS = 626 | BMK = 0.0718 | MCSE(6.27) = 4.81 | stat: FALSE | burn: 0
COV_AVDELTOT_neuro|GDTOTAL_gds
0.6
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400
500
600
700
800
900
1000
1100

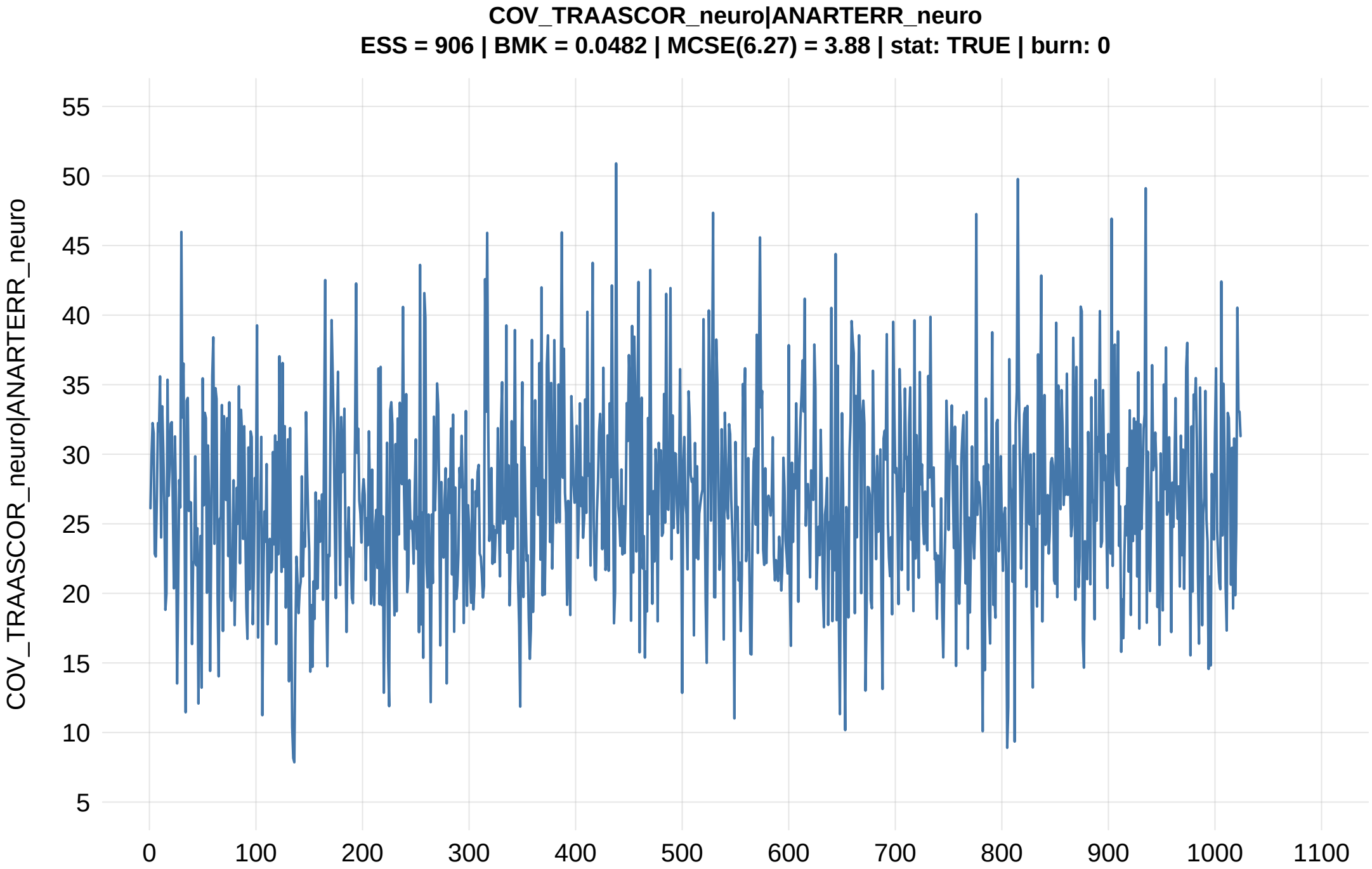

COV_AVDELTOT_neuro|ANARTERR_neuro
ESS = 162 | BMK = 0.122 | MCSE(6.27) = 5.74 | stat: FALSE | burn: 0
COV_AVDELTOT_neuro|ANARTERR_neuro
0
−1
−2
−3
−4
−5
−6
−7
−8
0
100
200
300
400
500
600
700
800
900
1000
1100

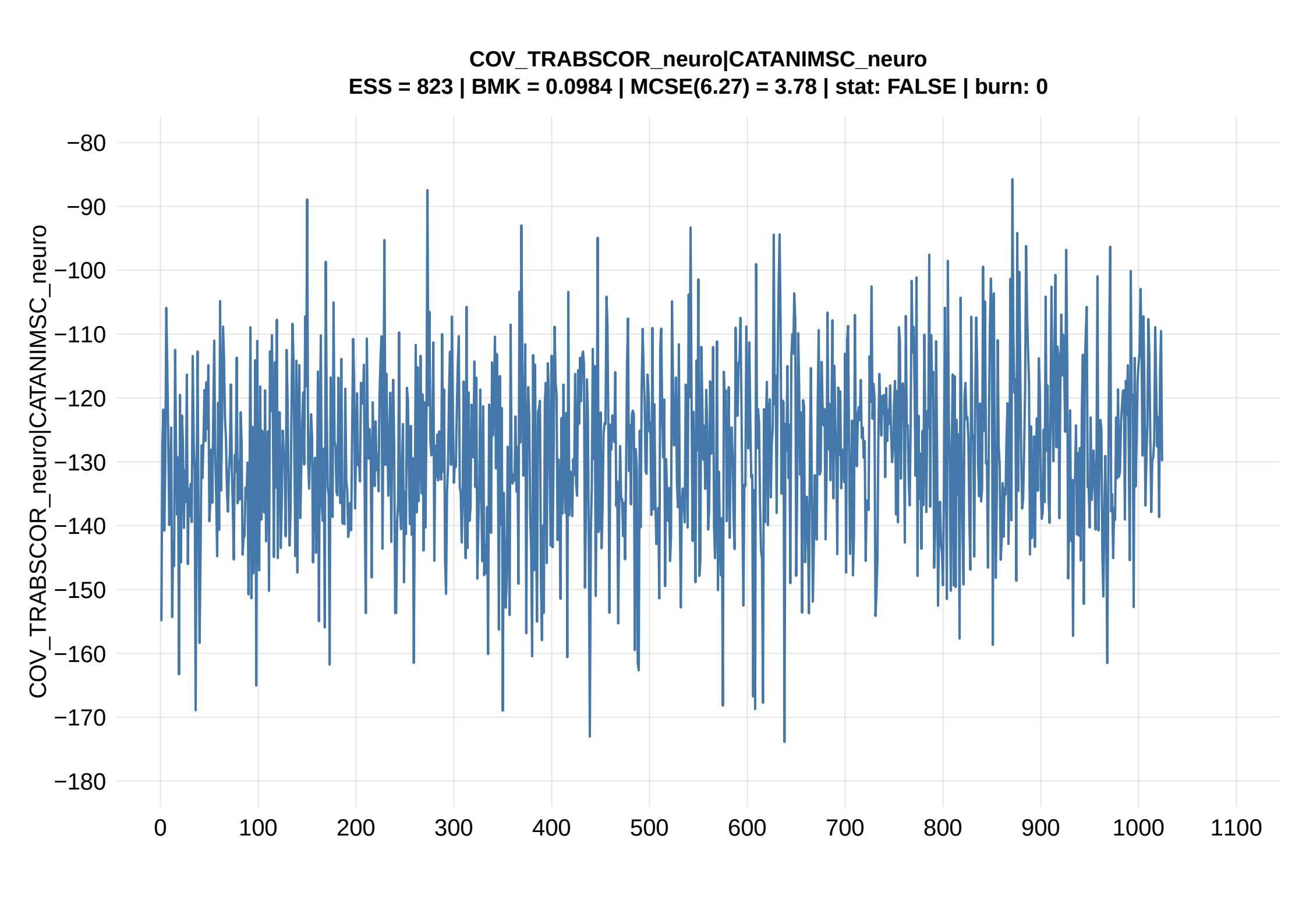

COV_TRAASCOR_neuro|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0715 | MCSE(6.27) = 2.84 | stat: TRUE | burn: 0
COV_TRAASCOR_neuro|TRABSCOR_neuro
1000
950
900
850
800
750
700
650
600
550
500
0
100
200
300
400
500
600
700
800
900
1000
1100

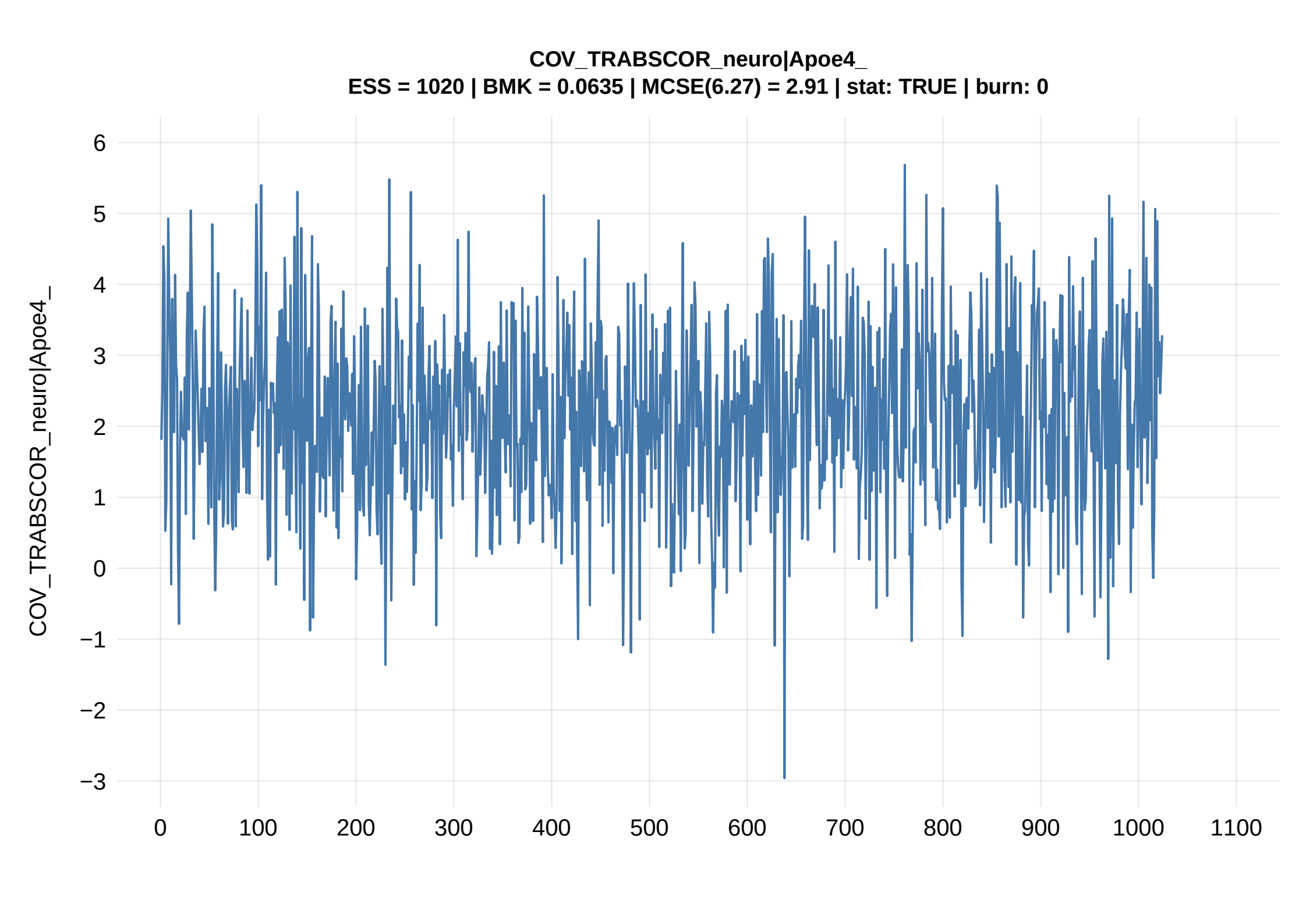

COV_TRAASCOR_neuro|CATANIMSC_neuro
ESS = 783 | BMK = 0.0391 | MCSE(6.27) = 3.87 | stat: TRUE | burn: 0
COV_TRAASCOR_neuro|CATANIMSC_neuro
−16
−18
−20
−22
−24
−26
−28
−30
−32
−34
−36
−38
−40
0
100
200
300
400
500
600
700
800
900
1000
1100

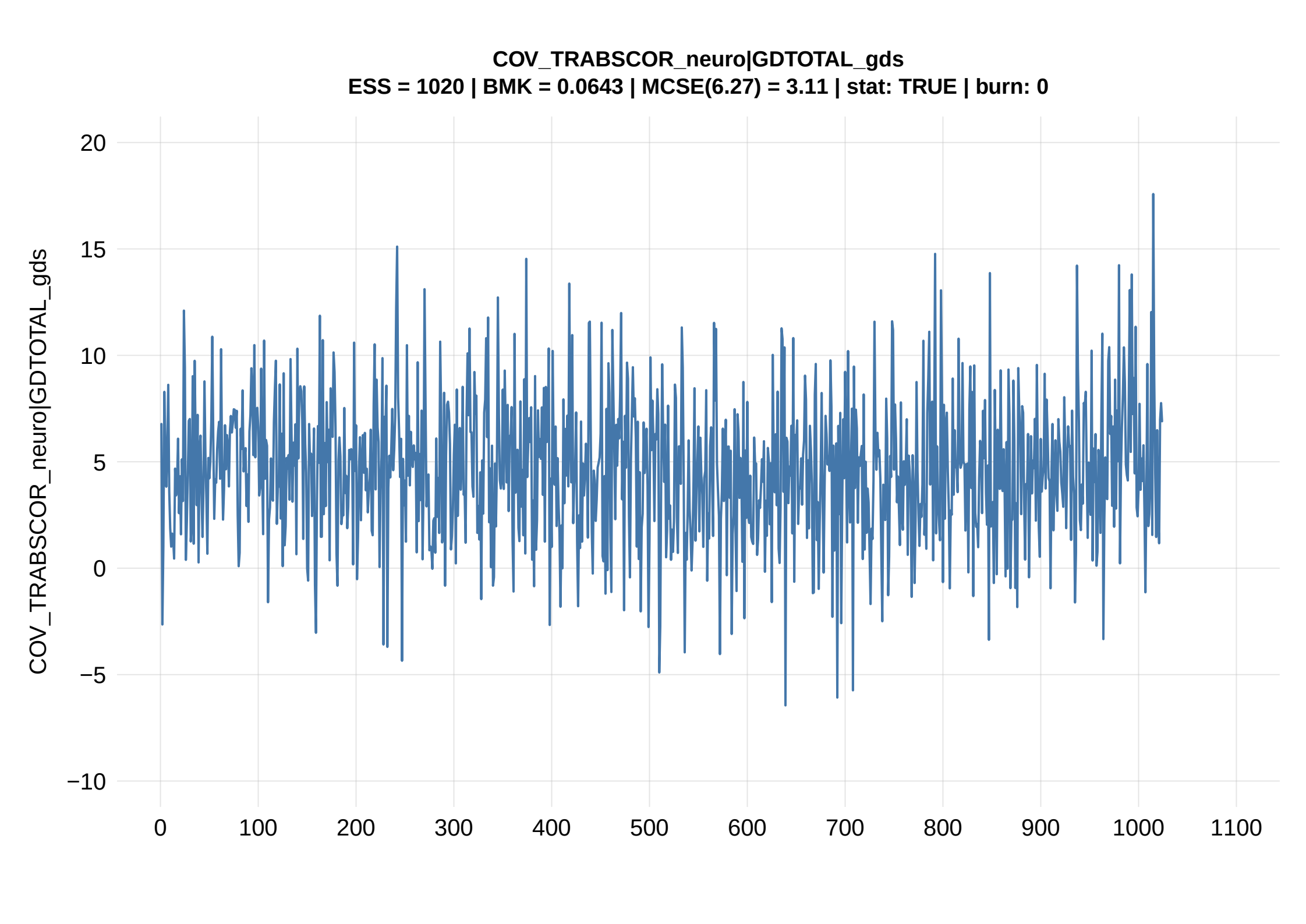

COV_TRAASCOR_neuro|Apoe4_
ESS = 924 | BMK = 0.0274 | MCSE(6.27) = 2.93 | stat: TRUE | burn: 0
COV_TRAASCOR_neuro|Apoe4_
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
0
100
200
300
400
500
600
700
800
900
1000
1100

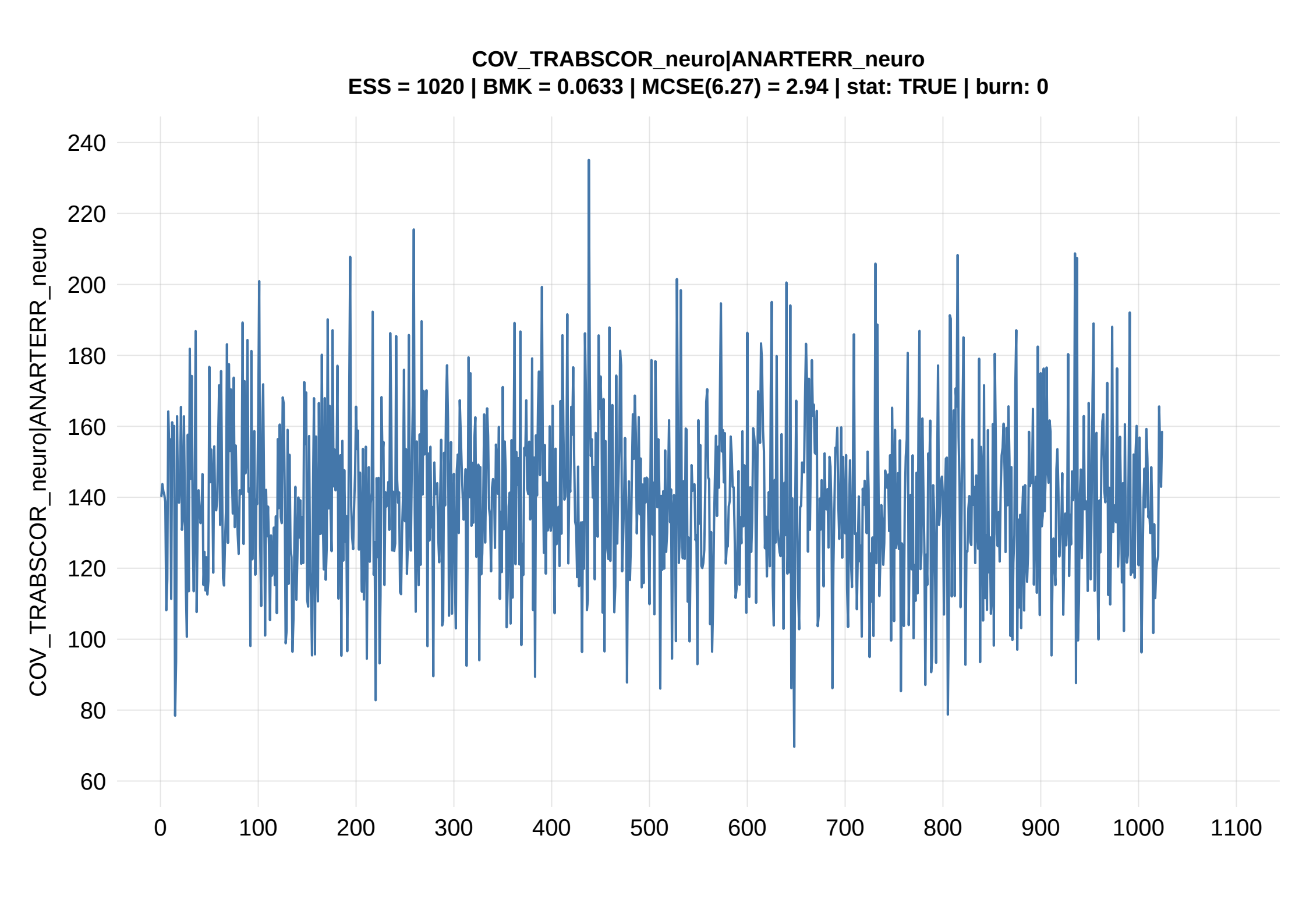

COV_TRAASCOR_neuro|GDTOTAL_gds
ESS = 868 | BMK = 0.0708 | MCSE(6.27) = 4.71 | stat: FALSE | burn: 0
COV_TRAASCOR_neuro|GDTOTAL_gds
5
4
3
2
1
0
−1
−2
0
100
200
300
400
500
600
700
800
900
1000
1100

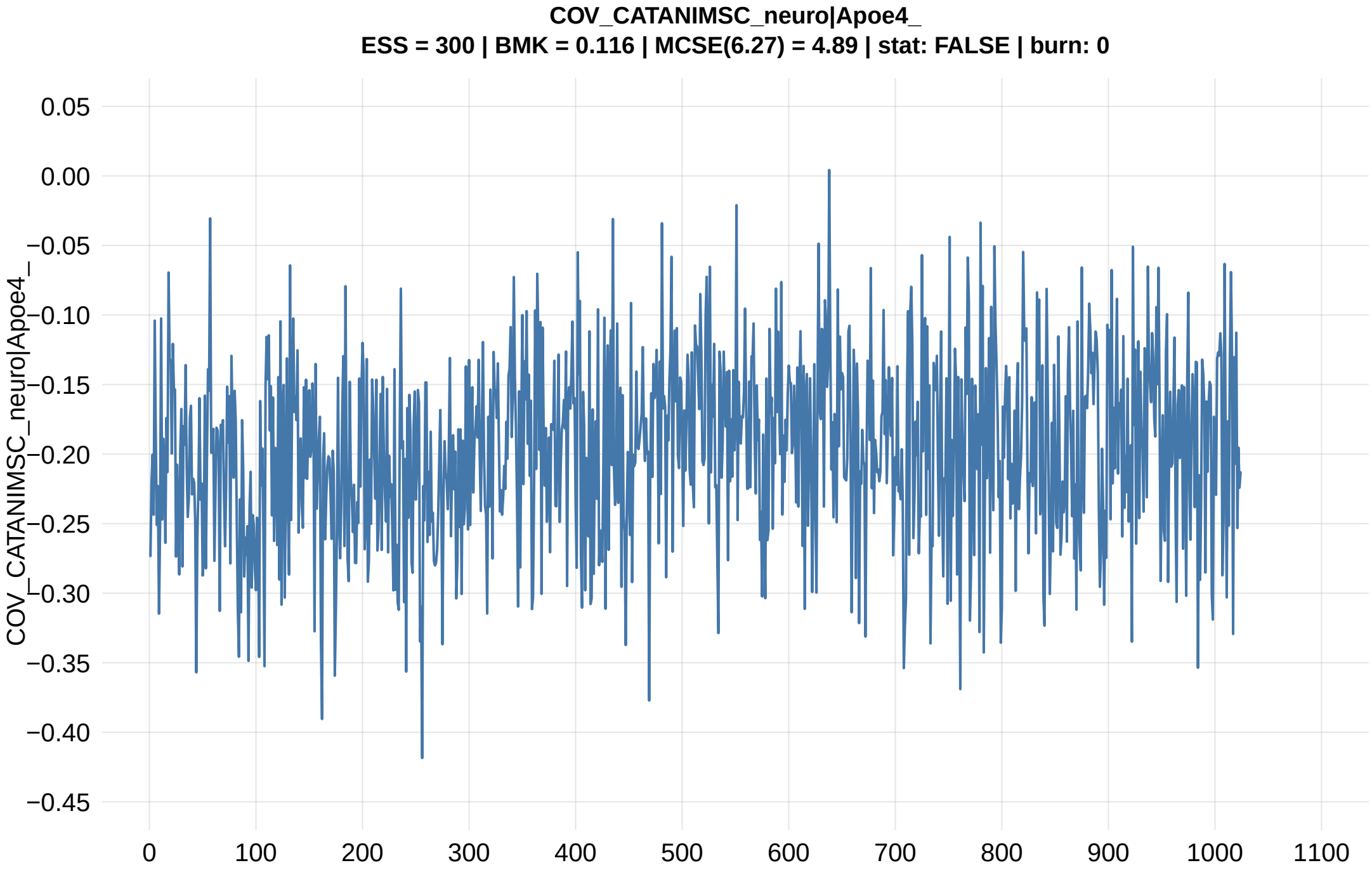

COV_TRAASCOR_neuro|ANARTERR_neuro
ESS = 906 | BMK = 0.0482 | MCSE(6.27) = 3.88 | stat: TRUE | burn: 0
COV_TRAASCOR_neuro|ANARTERR_neuro
55
50
45
40
35
30
25
20
15
10
5
0
100
200
300
400
500
600
700
800
900
1000
1100

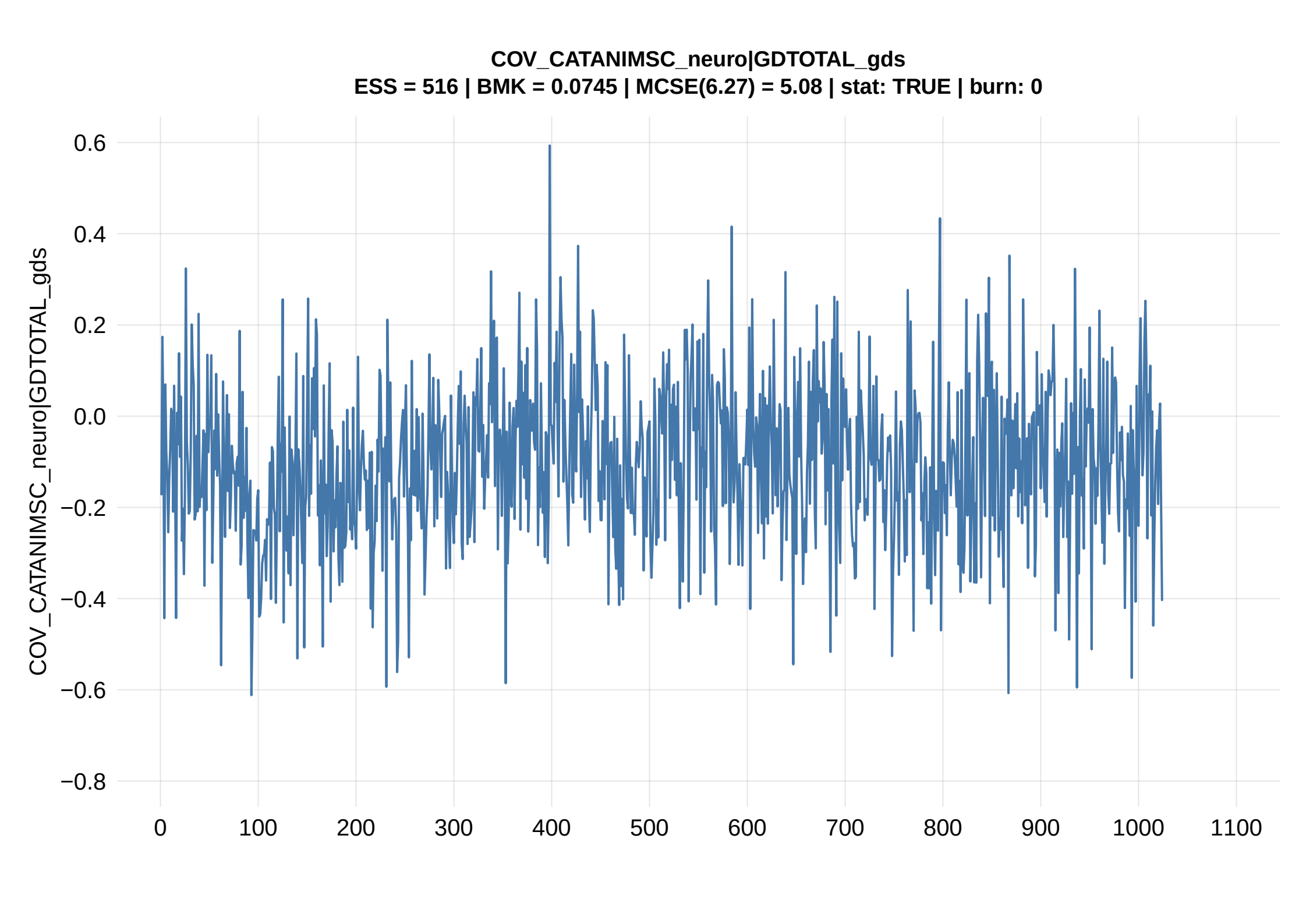

COV_TRABSCOR_neuro|CATANIMSC_neuro
ESS = 823 | BMK = 0.0984 | MCSE(6.27) = 3.78 | stat: FALSE | burn: 0
COV_TRABSCOR_neuro|CATANIMSC_neuro
−80
−90
−100
−110
−120
−130
−140
−150
−160
−170
−180
0
100
200
300
400
500
600
700
800
900
1000
1100

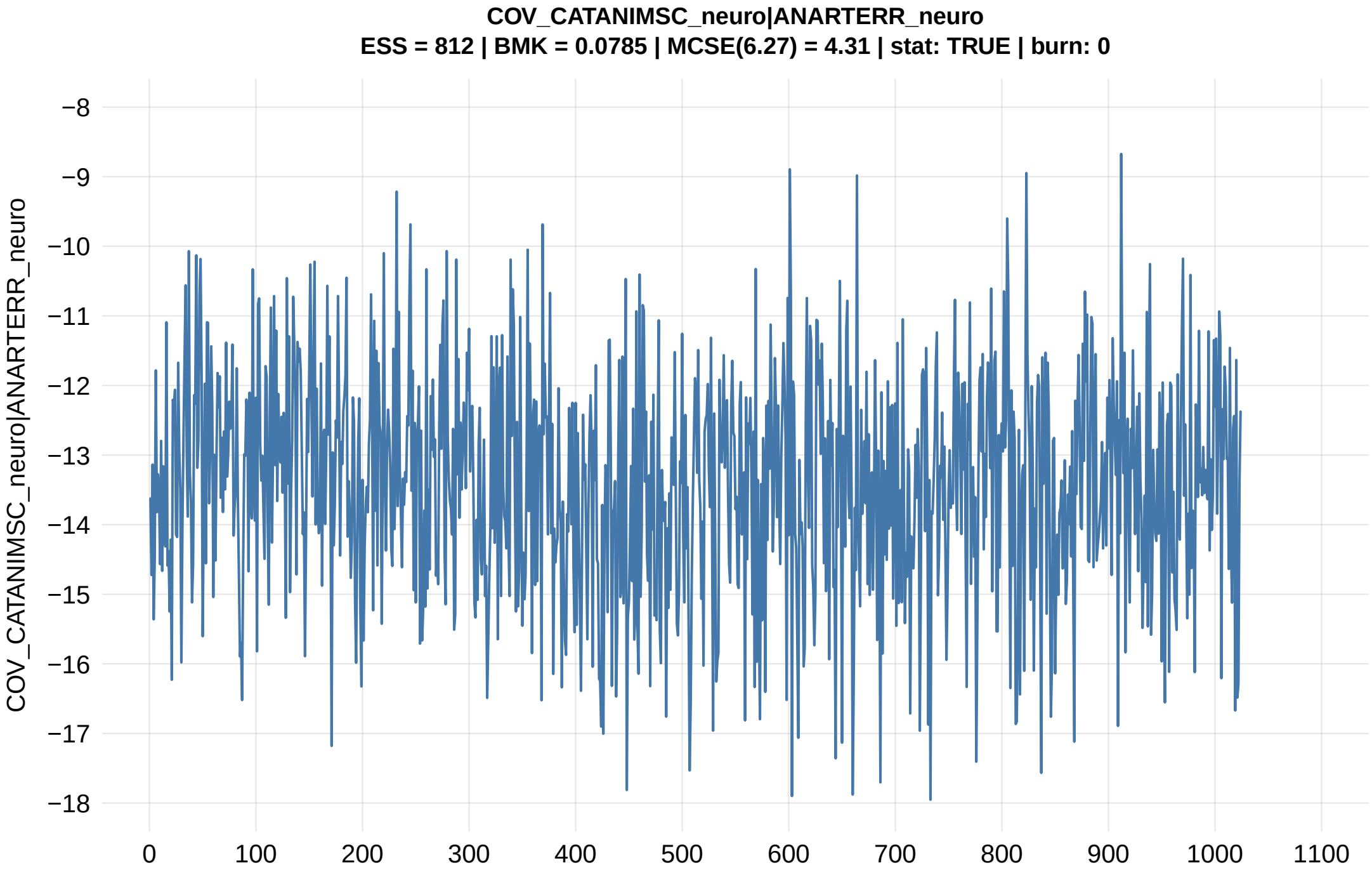

COV_TRABSCOR_neuro|Apoe4_
ESS = 1020 | BMK = 0.0635 | MCSE(6.27) = 2.91 | stat: TRUE | burn: 0
COV_TRABSCOR_neuro|Apoe4_
6
5
4
3
2
1
0
−1
−2
−3
0
100
200
300
400
500
600
700
800
900
1000
1100

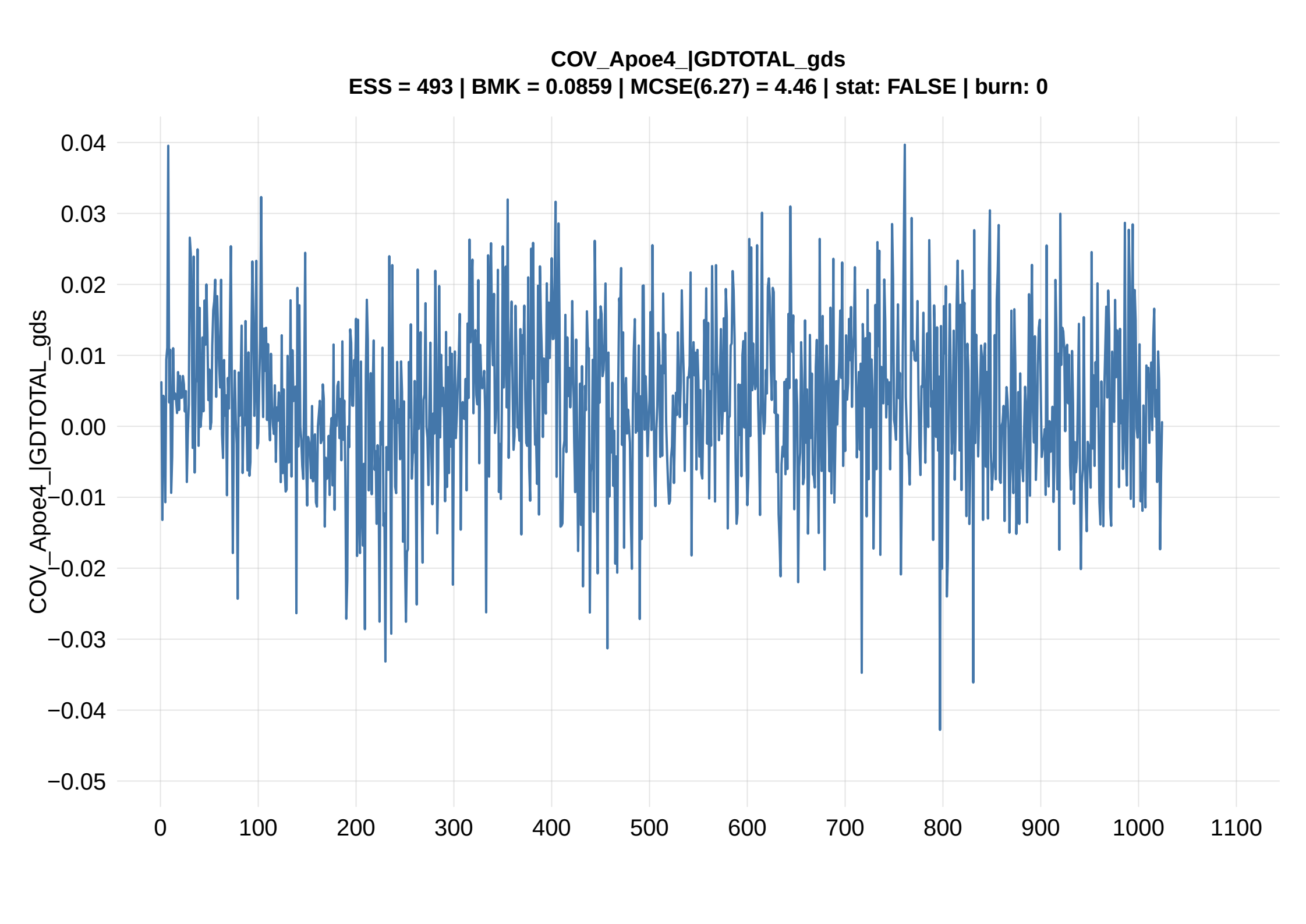

COV_TRABSCOR_neuro|GDTOTAL_gds
ESS = 1020 | BMK = 0.0643 | MCSE(6.27) = 3.11 | stat: TRUE | burn: 0
COV_TRABSCOR_neuro|GDTOTAL_gds
20
15
10
5
0
−5
−10
0
100
200
300
400
500
600
700
800
900
1000
1100

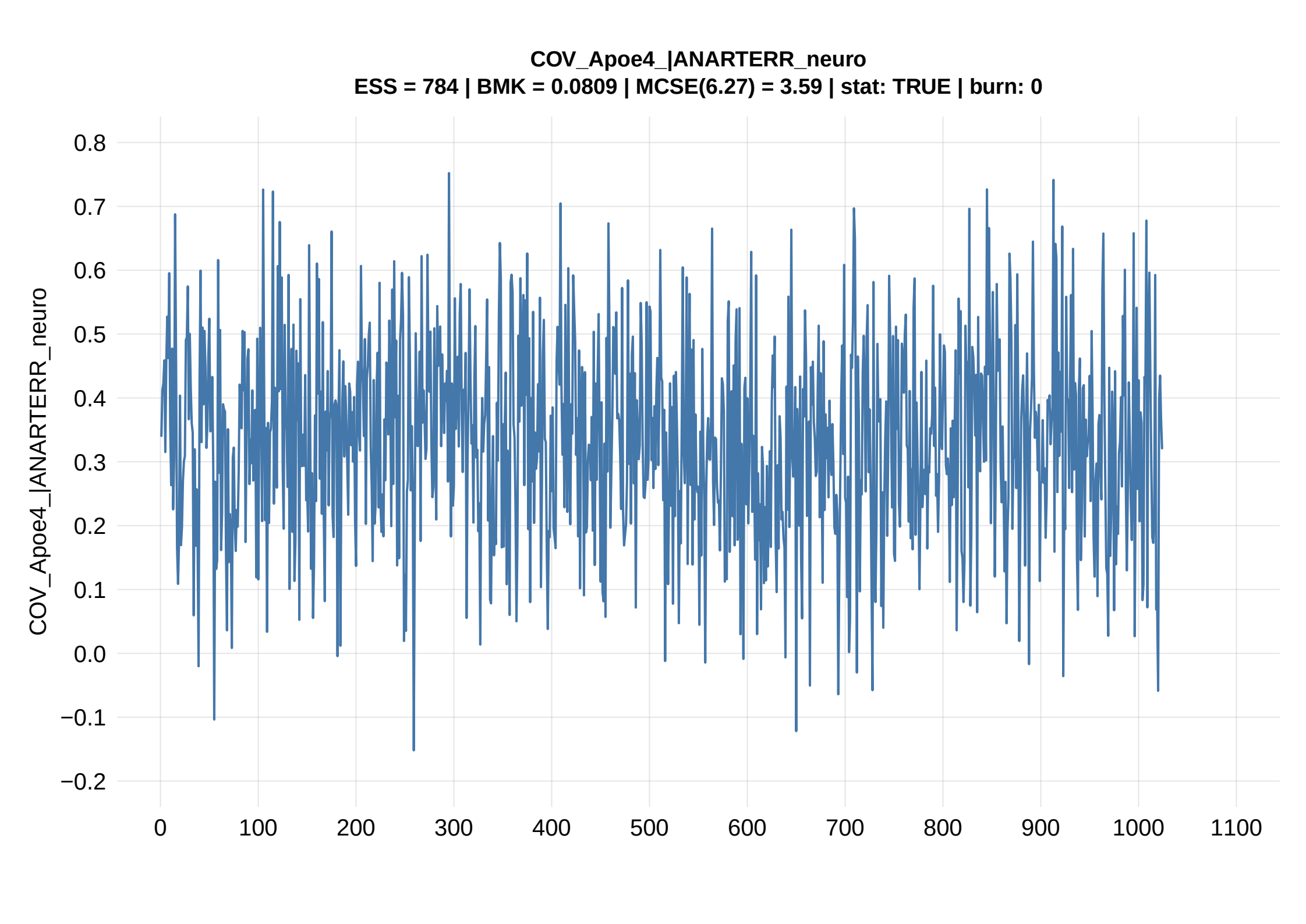

COV_TRABSCOR_neuro|ANARTERR_neuro
ESS = 1020 | BMK = 0.0633 | MCSE(6.27) = 2.94 | stat: TRUE | burn: 0
COV_TRABSCOR_neuro|ANARTERR_neuro
240
220
200
180
160
140
120
100
80
60
0
100
200
300
400
500
600
700
800
900
1000
1100

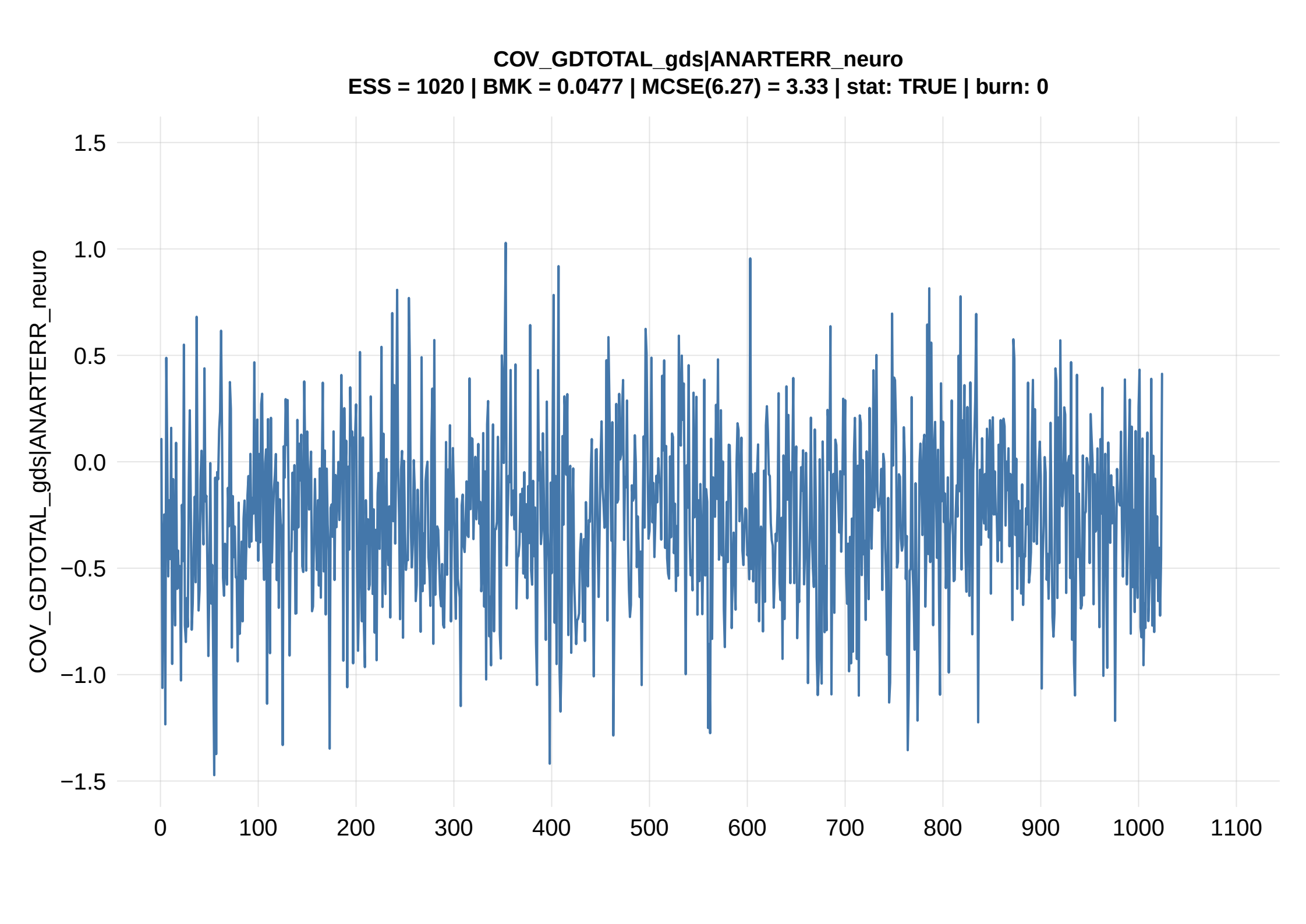

COV_CATANIMSC_neuro|Apoe4_
ESS = 300 | BMK = 0.116 | MCSE(6.27) = 4.89 | stat: FALSE | burn: 0
COV_CATANIMSC_neuro|Apoe4_
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
−0.35
−0.40
−0.45
0
100
200
300
400
500
600
700
800
900
1000
1100


COV_CATANIMSC_neuro|GDTOTAL_gds
ESS = 516 | BMK = 0.0745 | MCSE(6.27) = 5.08 | stat: TRUE | burn: 0
COV_CATANIMSC_neuro|GDTOTAL_gds
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_CATANIMSC_neuro|ANARTERR_neuro
ESS = 812 | BMK = 0.0785 | MCSE(6.27) = 4.31 | stat: TRUE | burn: 0
COV_CATANIMSC_neuro|ANARTERR_neuro
−8
−9
−10
−11
−12
−13
−14
−15
−16
−17
−18
0
100
200
300
400
500
600
700
800
900
1000
1100


COV_Apoe4_|GDTOTAL_gds
ESS = 493 | BMK = 0.0859 | MCSE(6.27) = 4.46 | stat: FALSE | burn: 0
COV_Apoe4_|GDTOTAL_gds
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_Apoe4_|ANARTERR_neuro
ESS = 784 | BMK = 0.0809 | MCSE(6.27) = 3.59 | stat: TRUE | burn: 0
COV_Apoe4_|ANARTERR_neuro
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400
500
600
700
800
900
1000
1100


COV_GDTOTAL_gds|ANARTERR_neuro
ESS = 1020 | BMK = 0.0477 | MCSE(6.27) = 3.33 | stat: TRUE | burn: 0
COV_GDTOTAL_gds|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