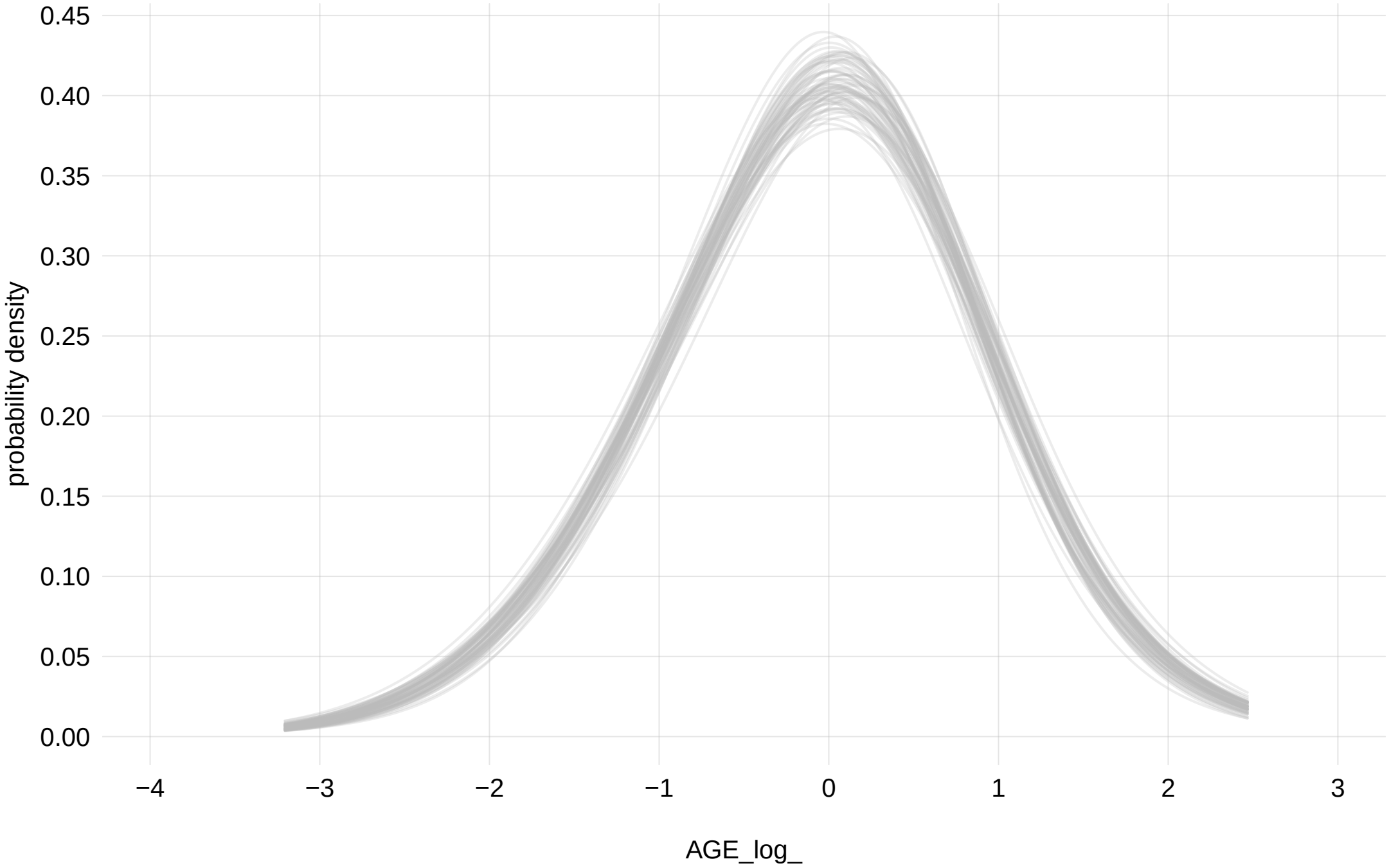
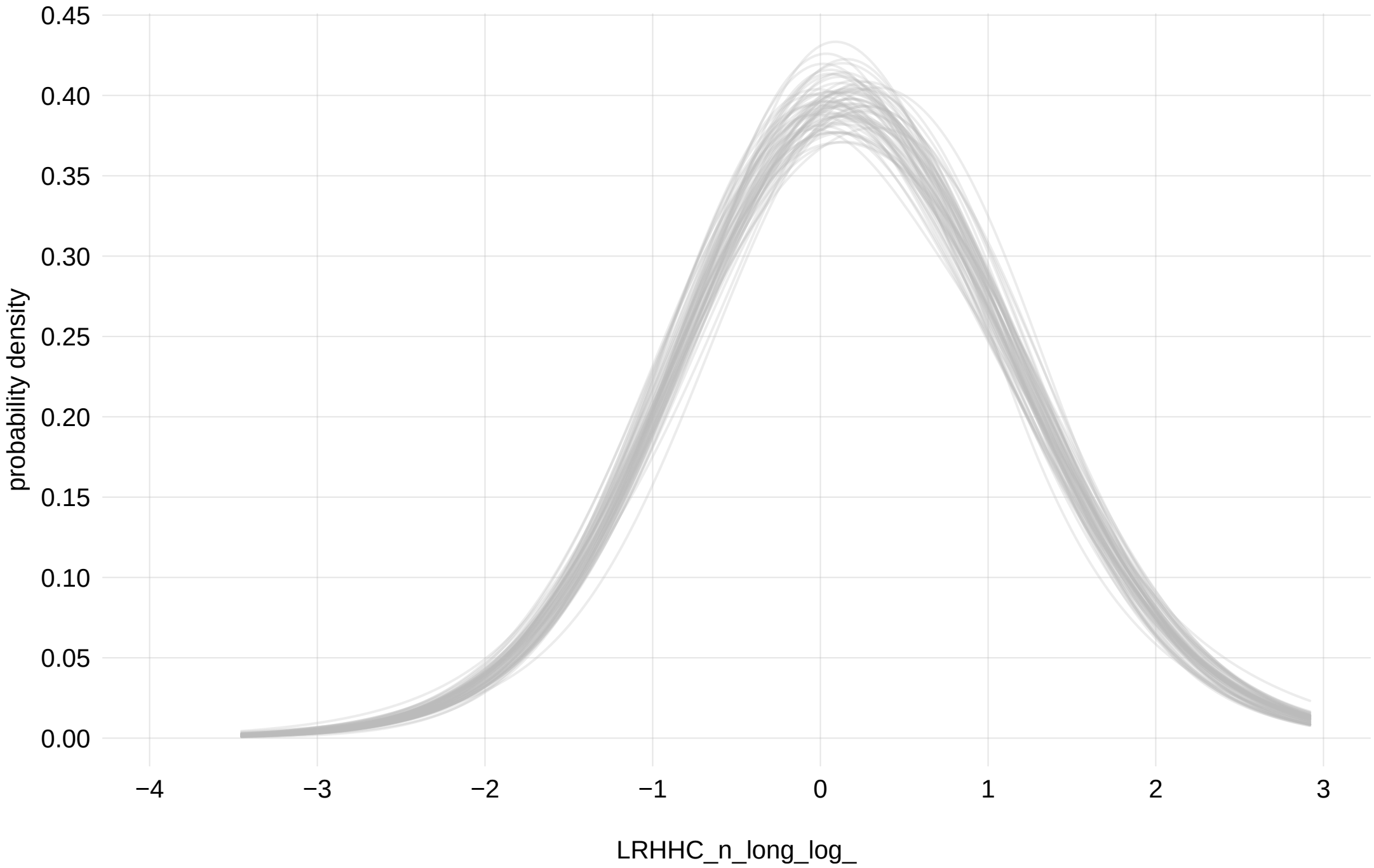
−− STATS maxD −−
min ESS = 2.2044604925031e−16
max BMK = 0.269924454679644
max MCSE = NaN
all stationary: FALSE
burn: 0

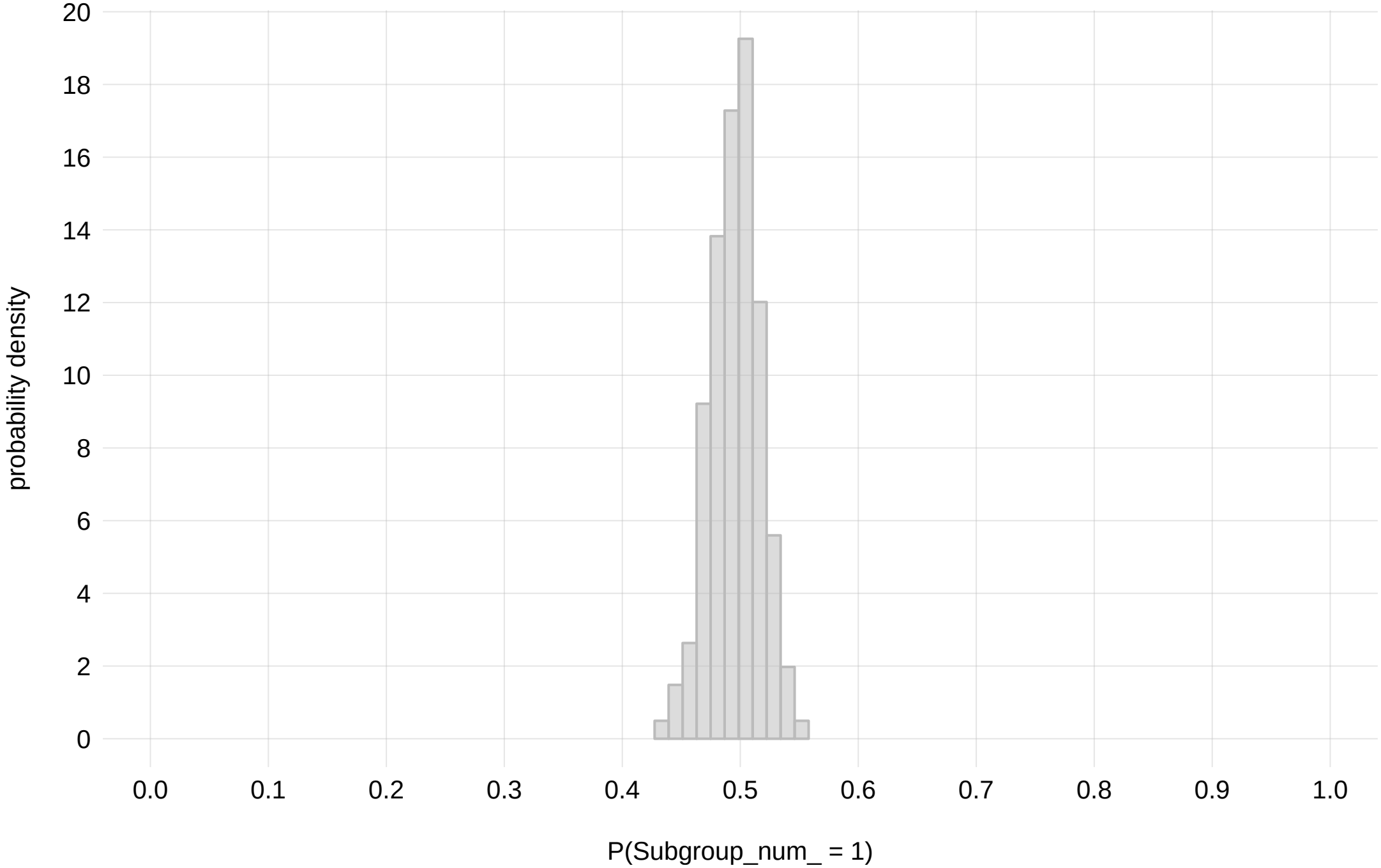
−− STATS 2D −−
min ESS = 340.005295437751
max BMK = 0.104193113513544
max MCSE = 5.18576289350228
all stationary: FALSE
burn: 0

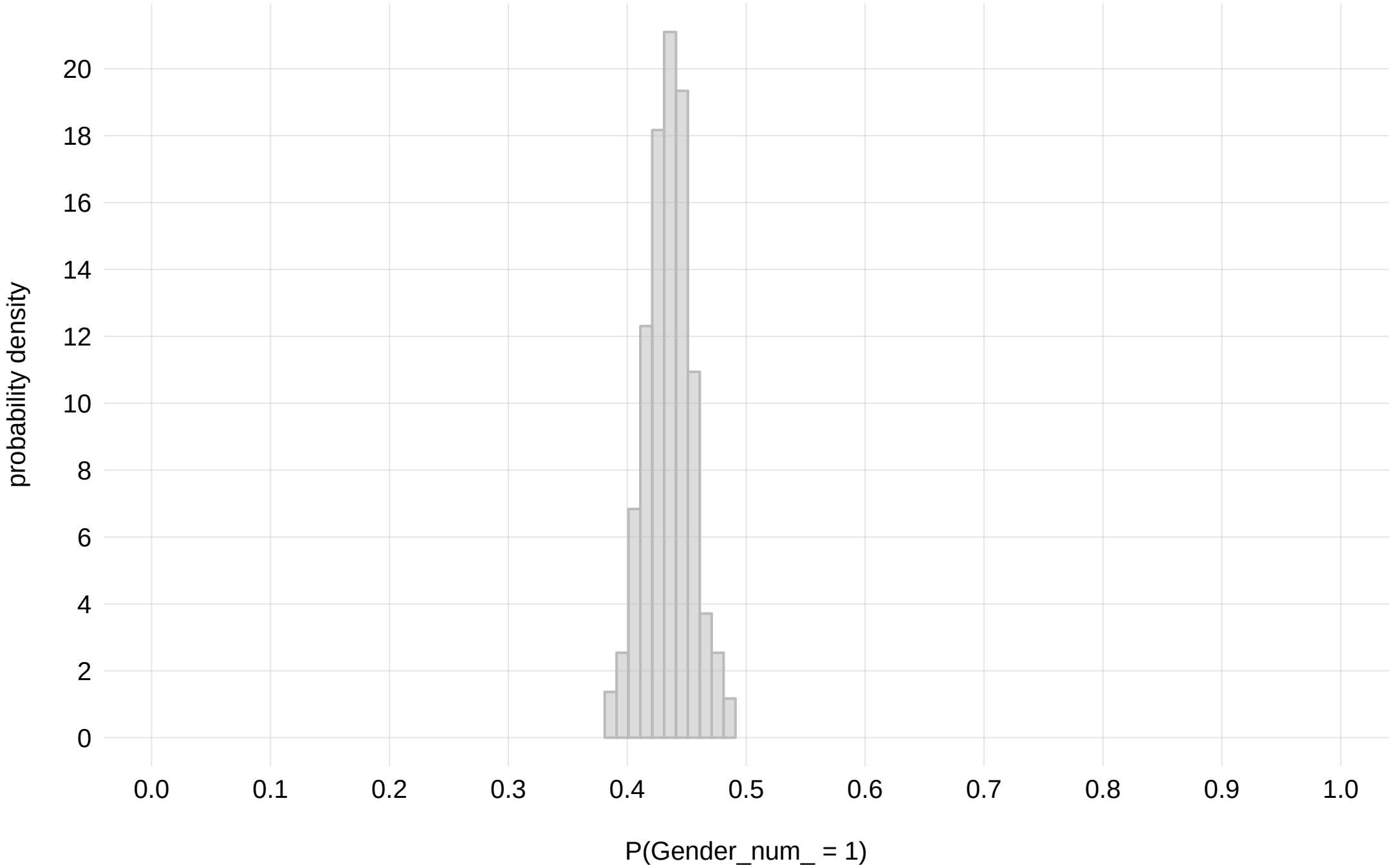
−− STATS 1D −−
min ESS = 181.509190522184
max BMK = 0.101950401077544
max MCSE = 5.90486376143444
all stationary: FALSE
burn: 0

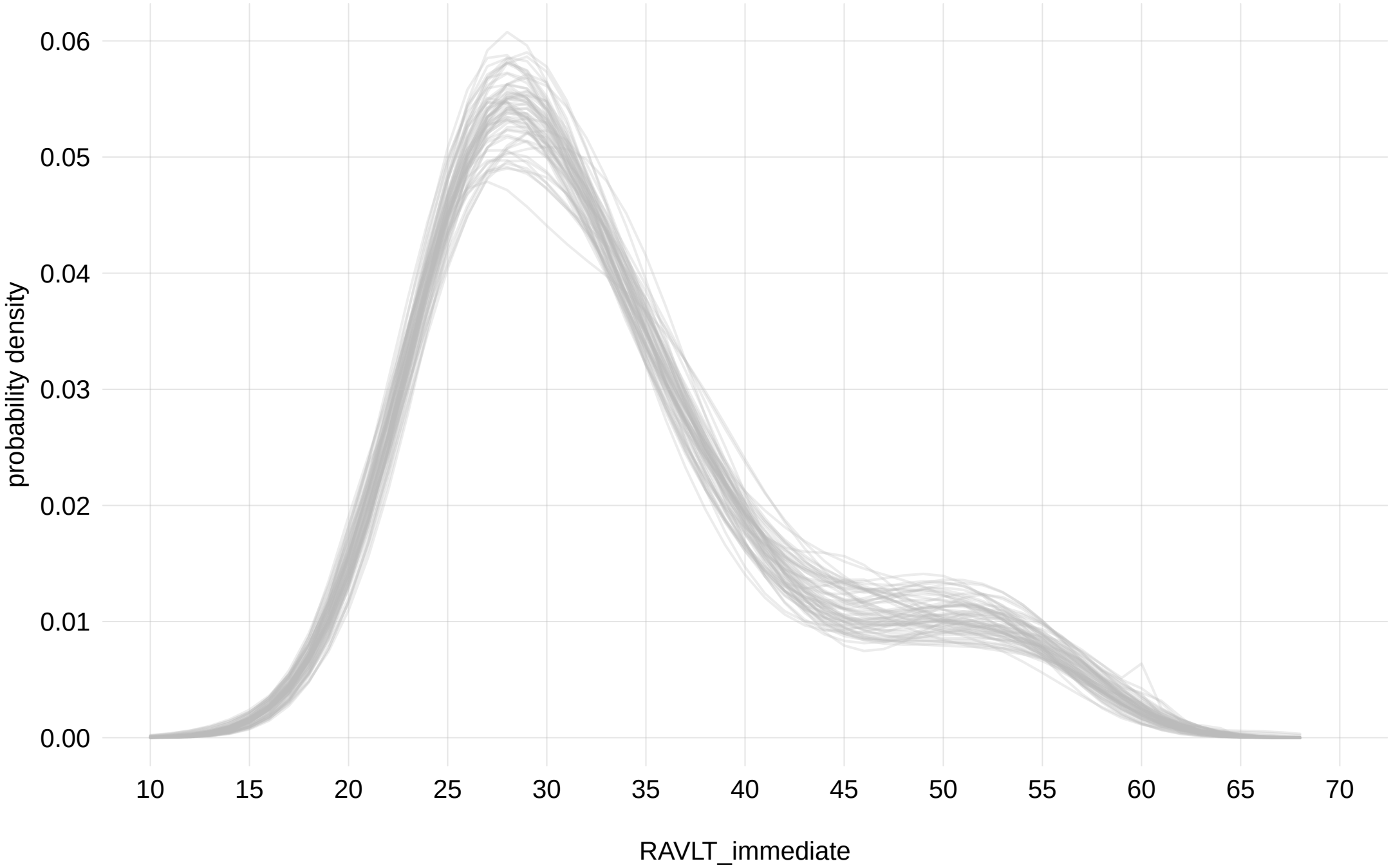
Occupied clusters: 32 of 32
LL: −16900 +− 19.3

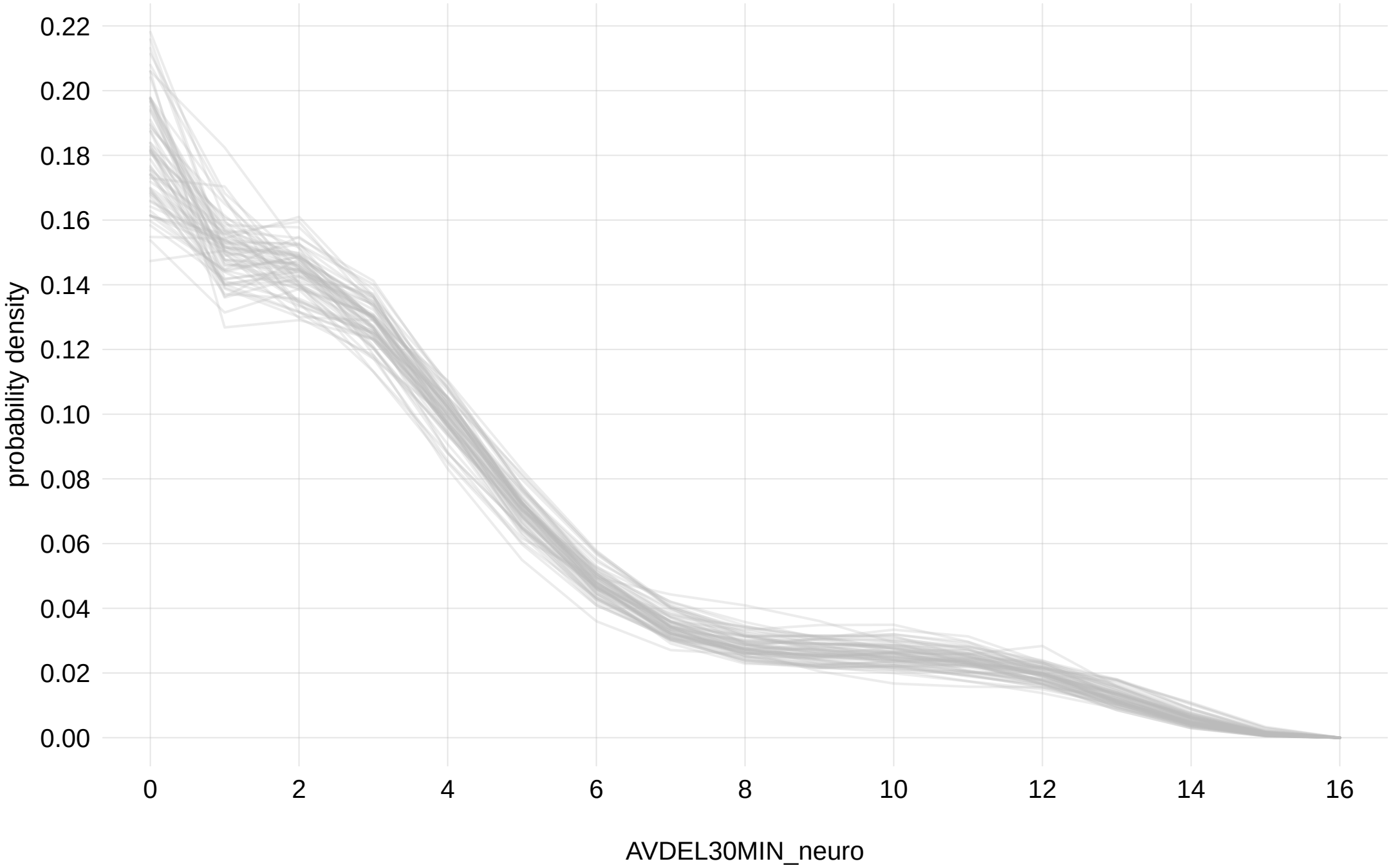

0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
probability density
−4
−3
−2
−1
0
1
2
3
AGE_log_

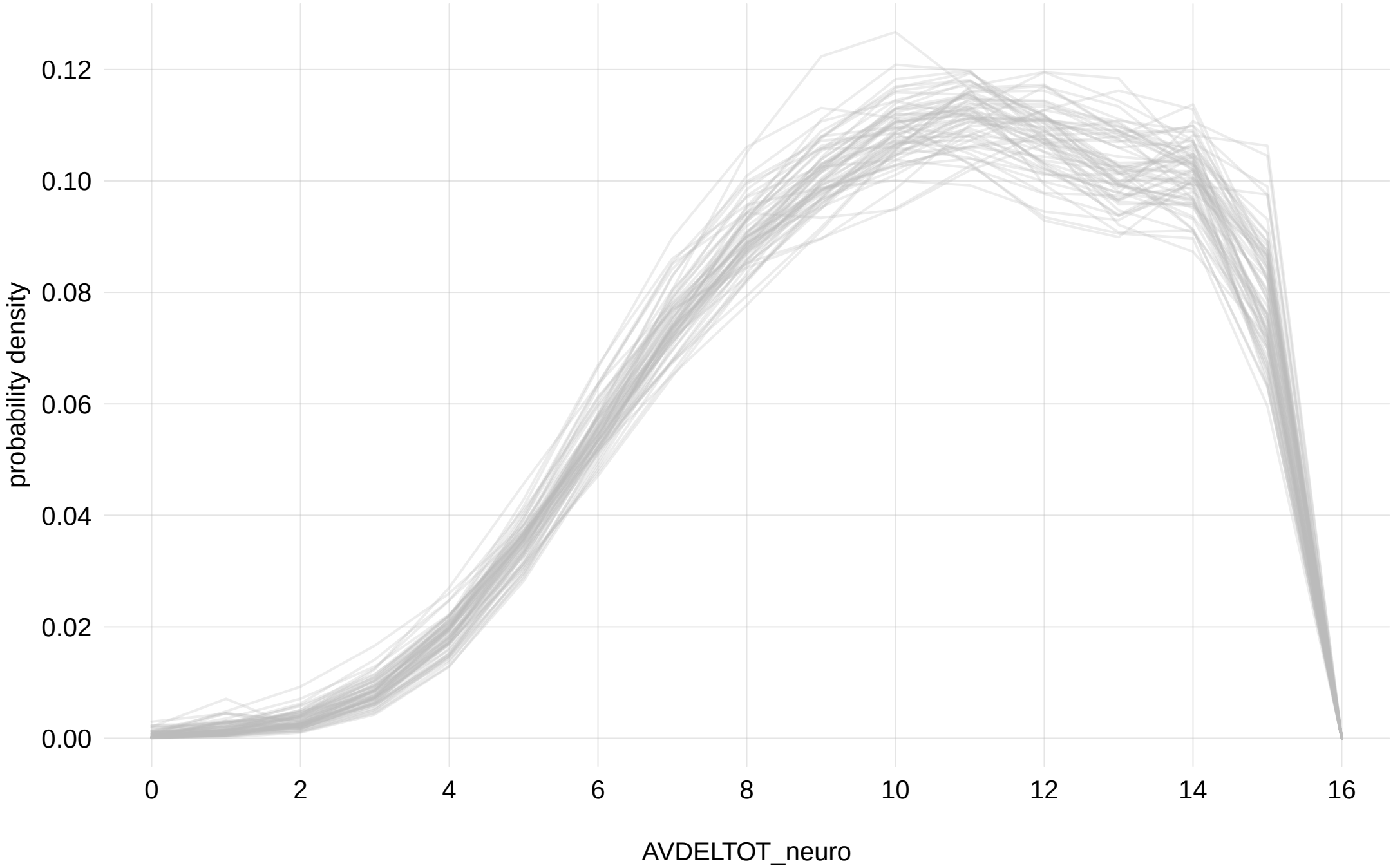

0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
probability density
−4
−3
−2
−1
0
1
2
3
LRHHC_n_long_log_

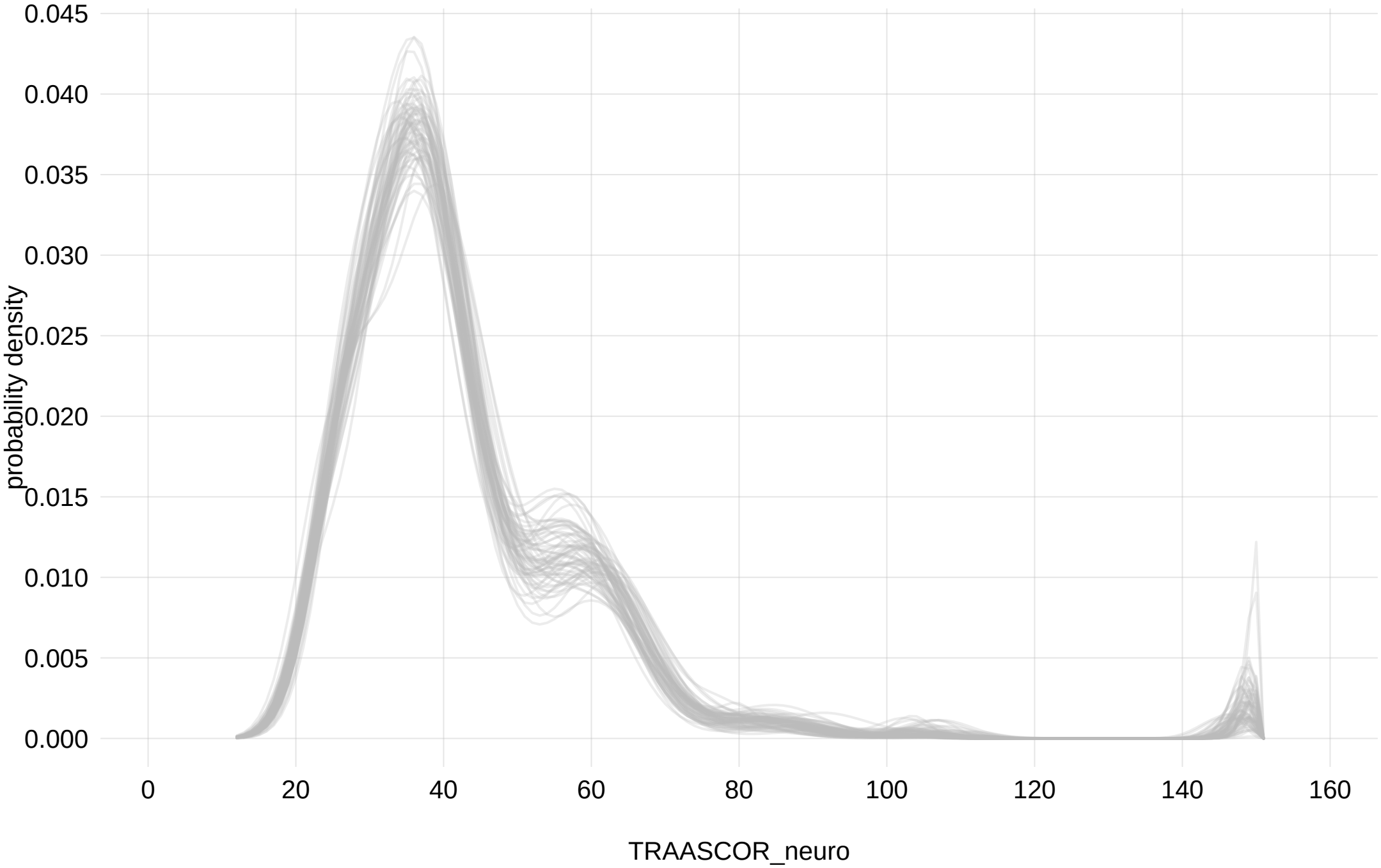

20
18
16
14
12
10
8
6
4
2
0
probability density
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
P(Subgroup_num_ = 1)

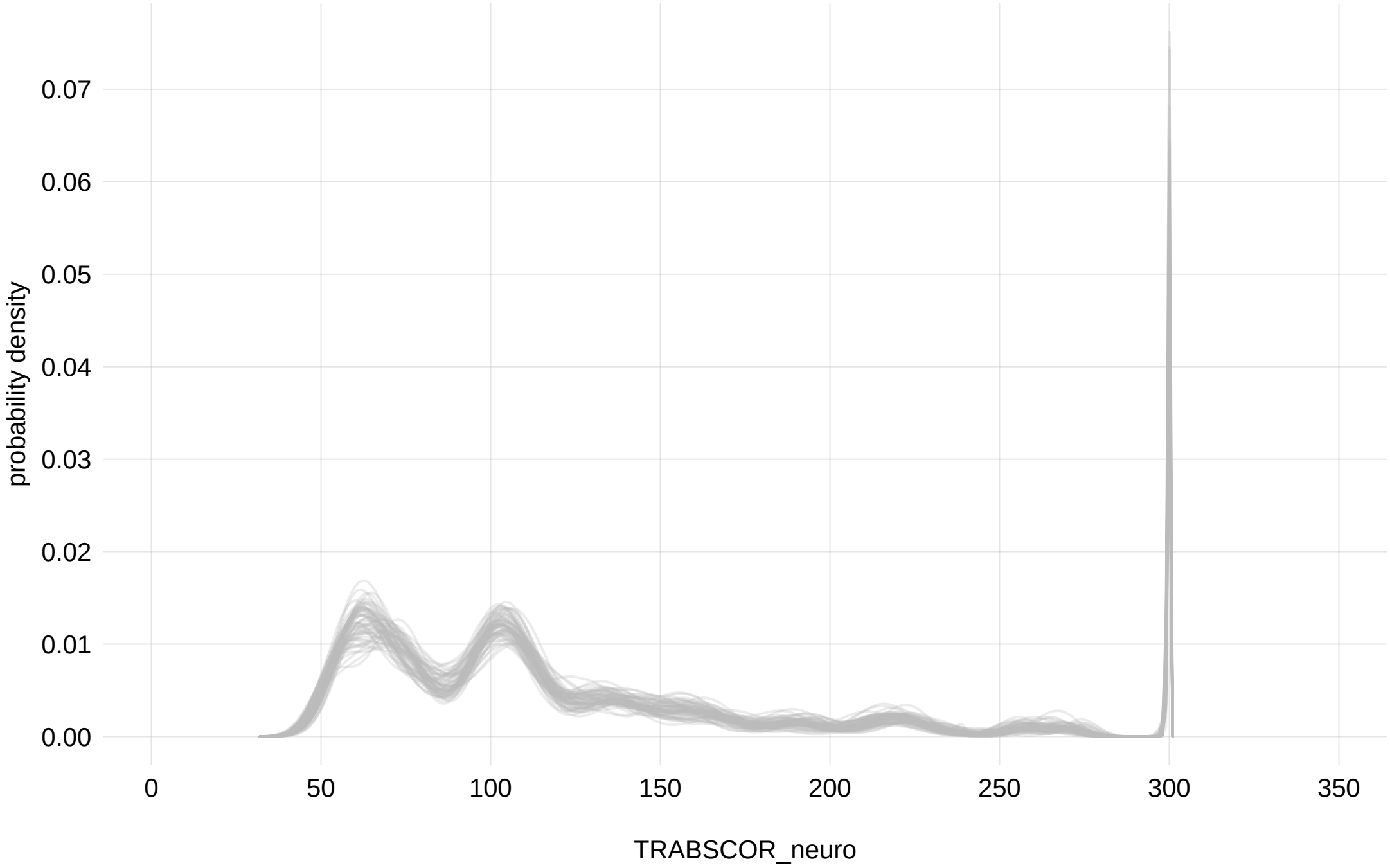

probability density
20
18
16
14
12
10
8
6
4
2
0
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
P(Gender_num_ = 1)

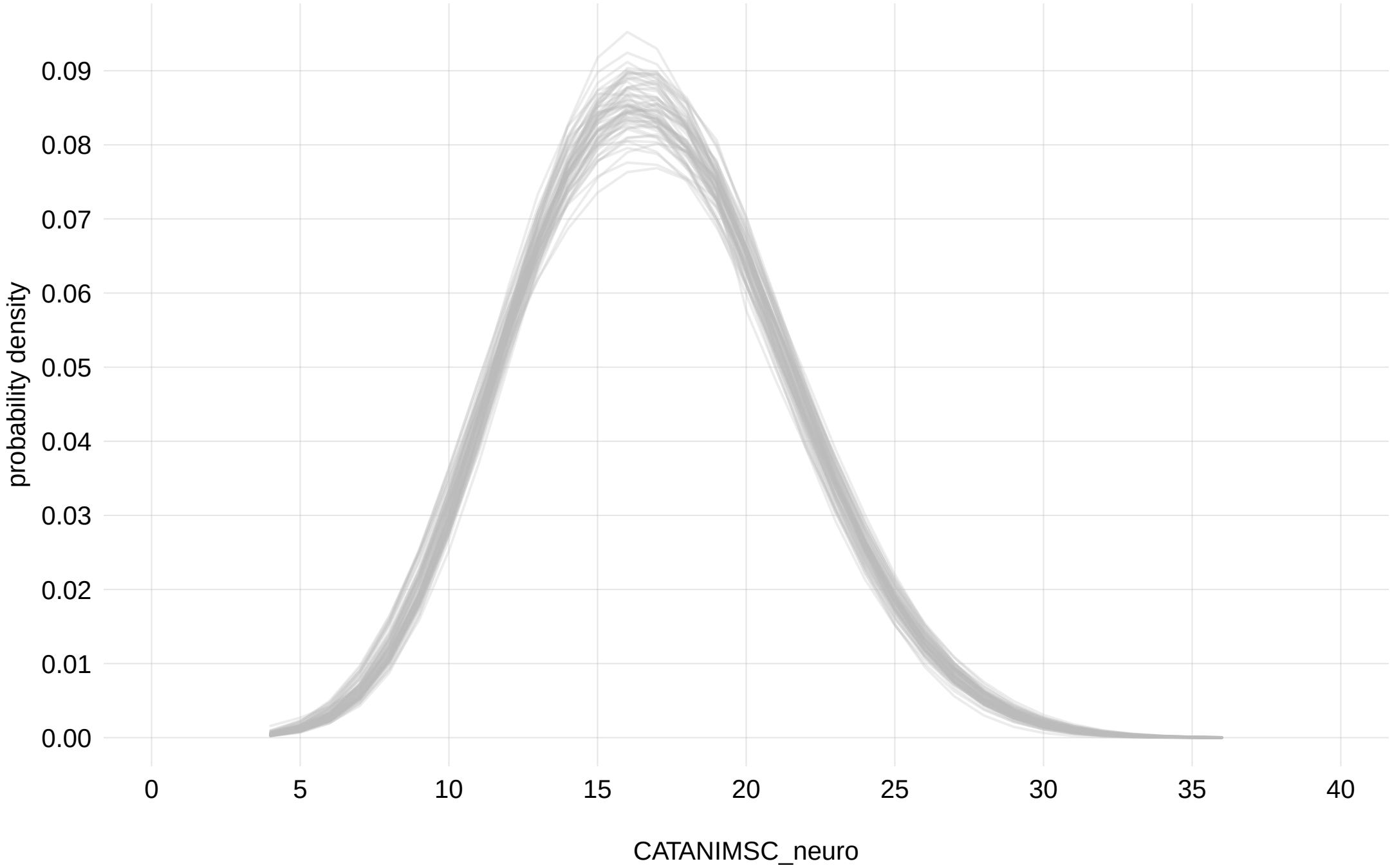

0.06
0.05
0.04
0.03
0.02
0.01
0.00
probability density
10
15
20
25
30
35
40
45
50
55
60
65
70
RAVLT_immediate

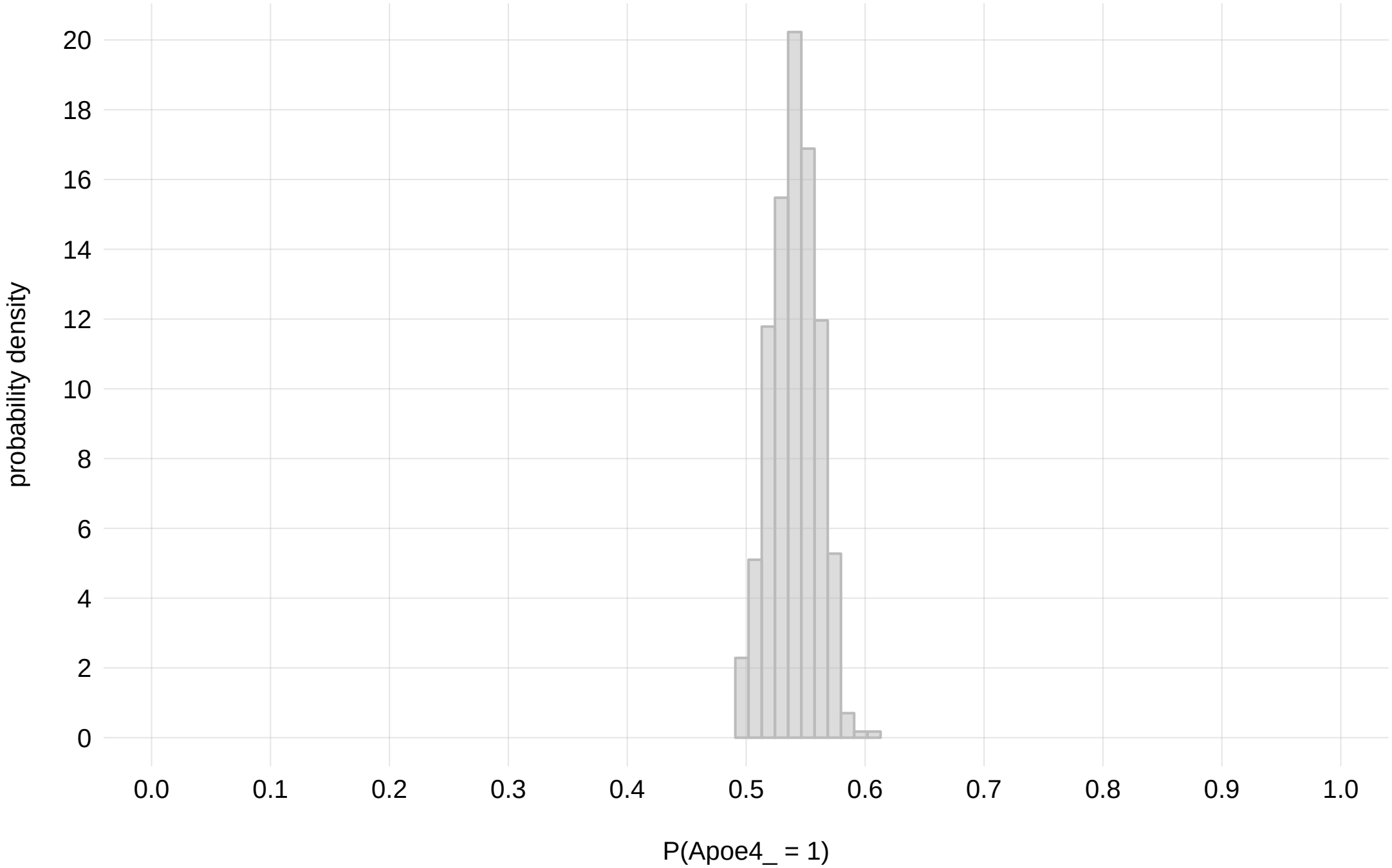

0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
probability density
0
2
4
6
8
10
12
14
16
AVDEL30MIN_neuro

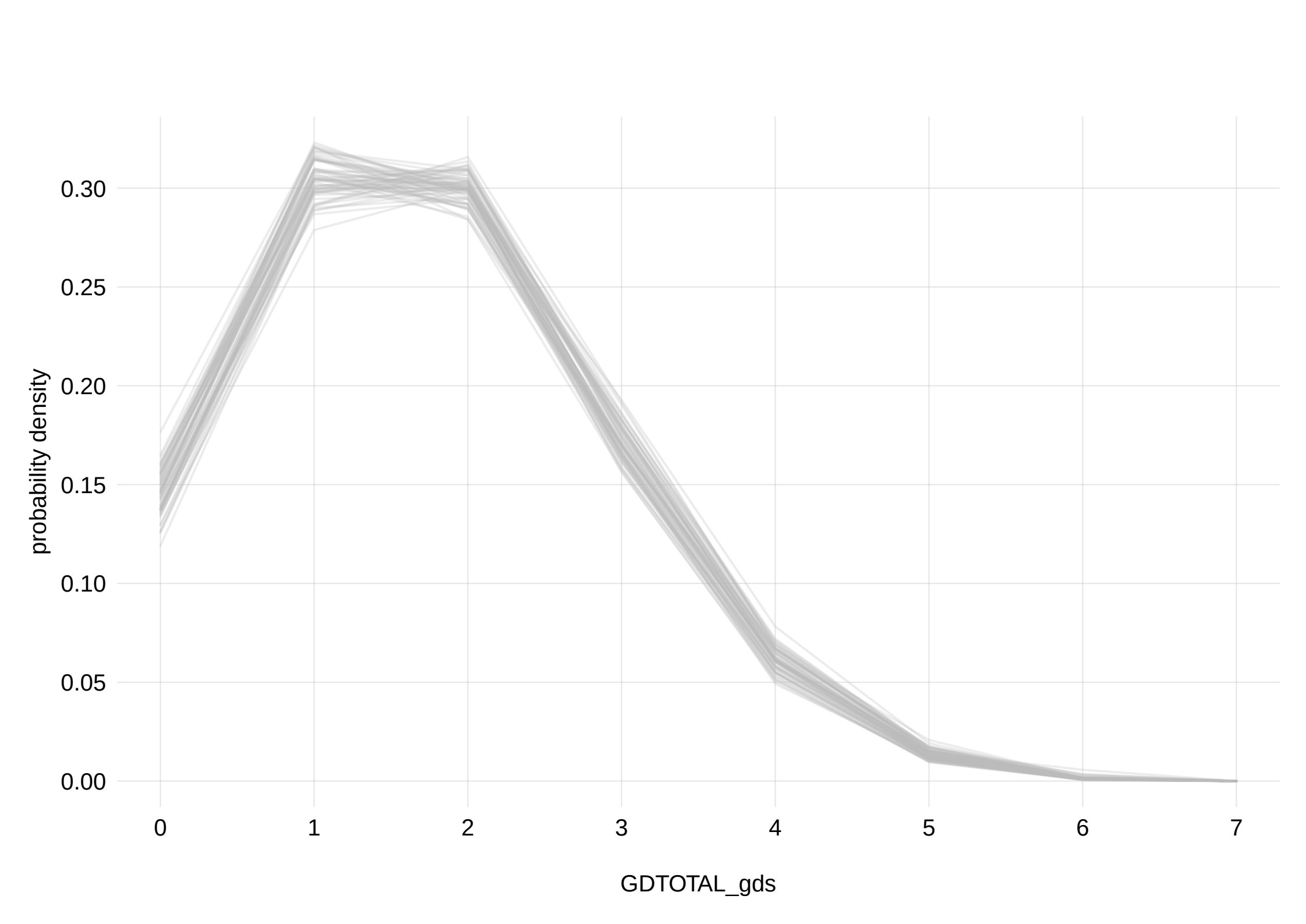

0.12
0.10
0.08
0.06
0.04
0.02
0.00
probability density
0
2
4
6
8
10
12
14
16
AVDELTOT_neuro

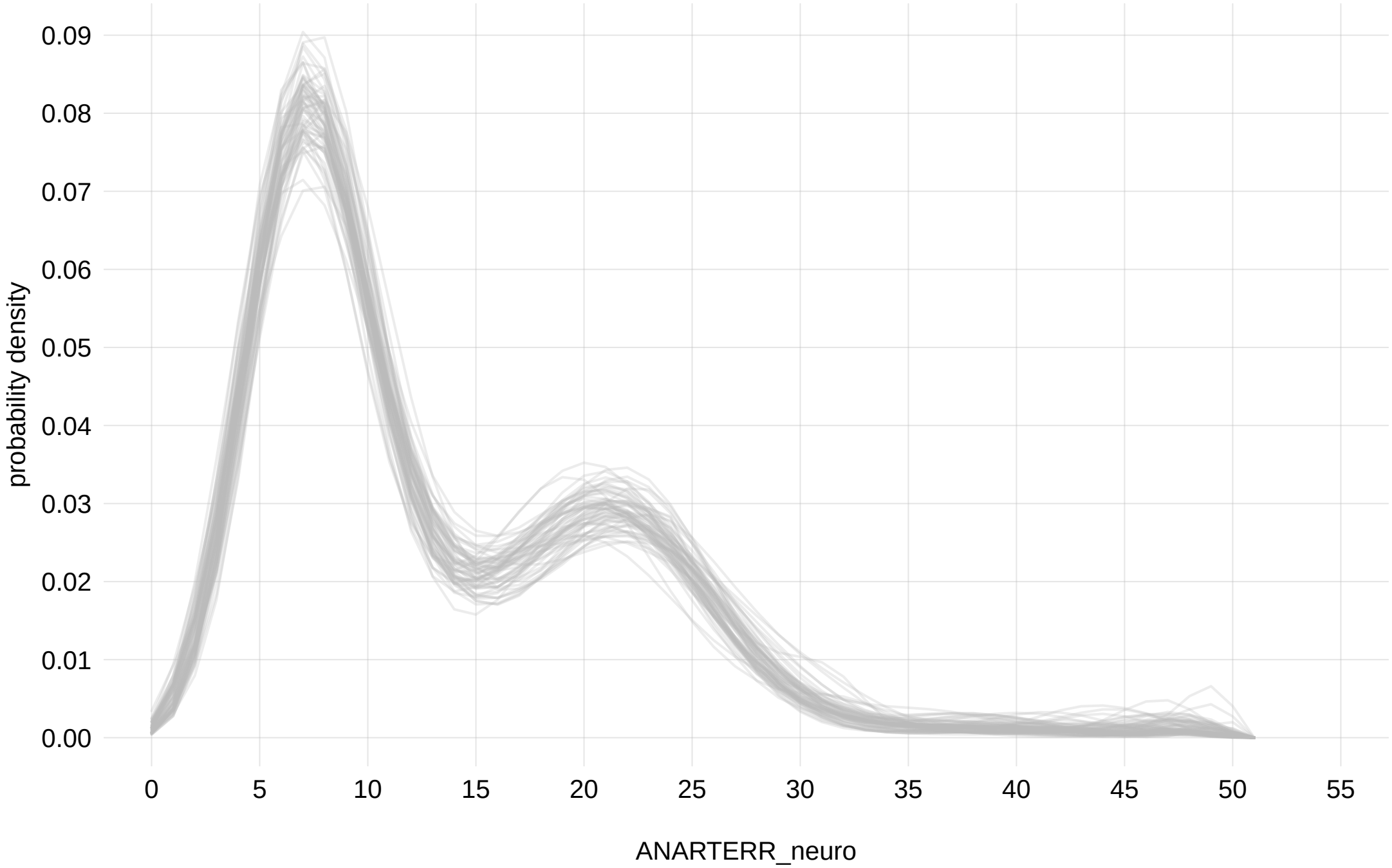

0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
probability density
0
20
40
60
80
100
120
140
160
TRAASCOR_neuro

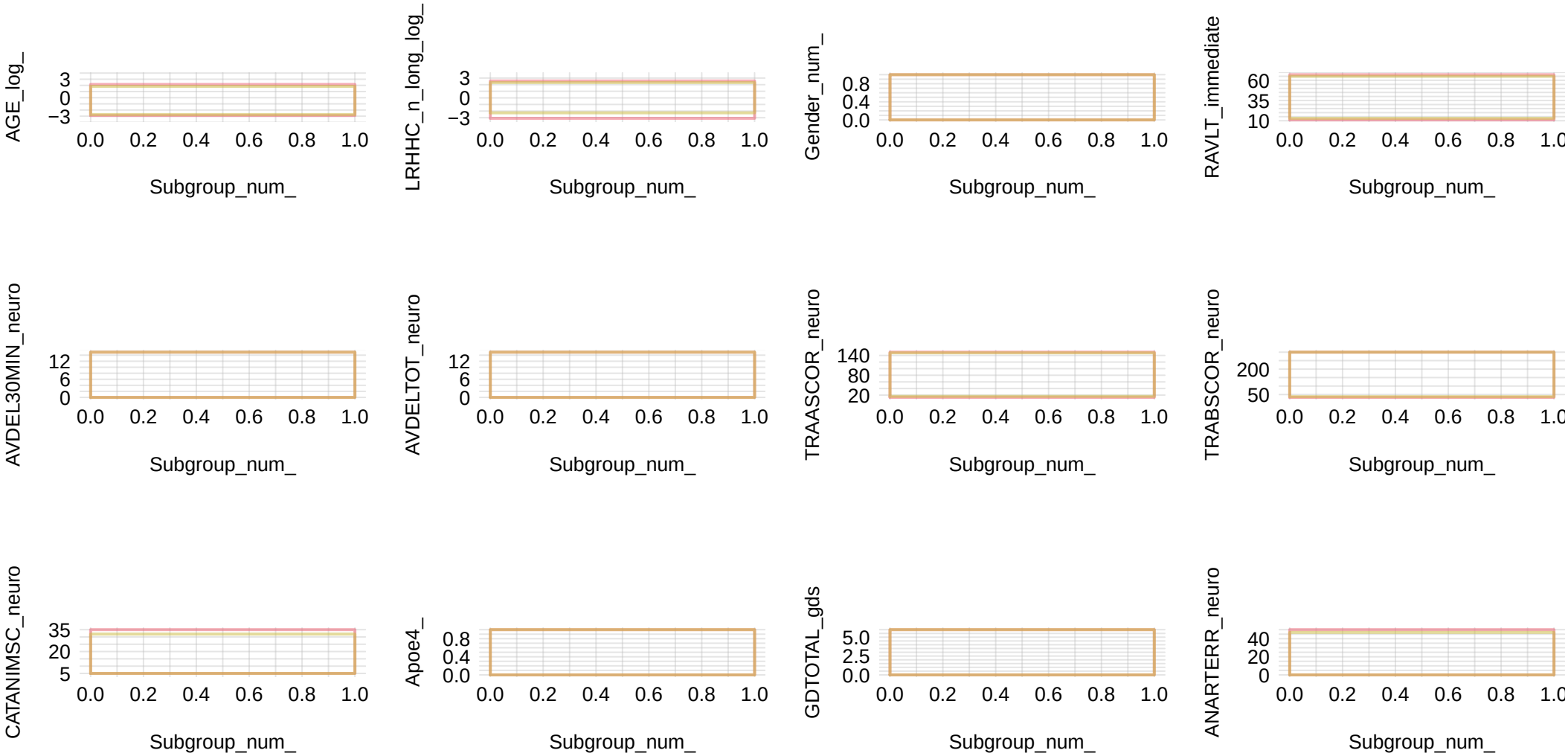

probability density
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0
50
100
150
200
250
300
350
TRABSCOR_neuro

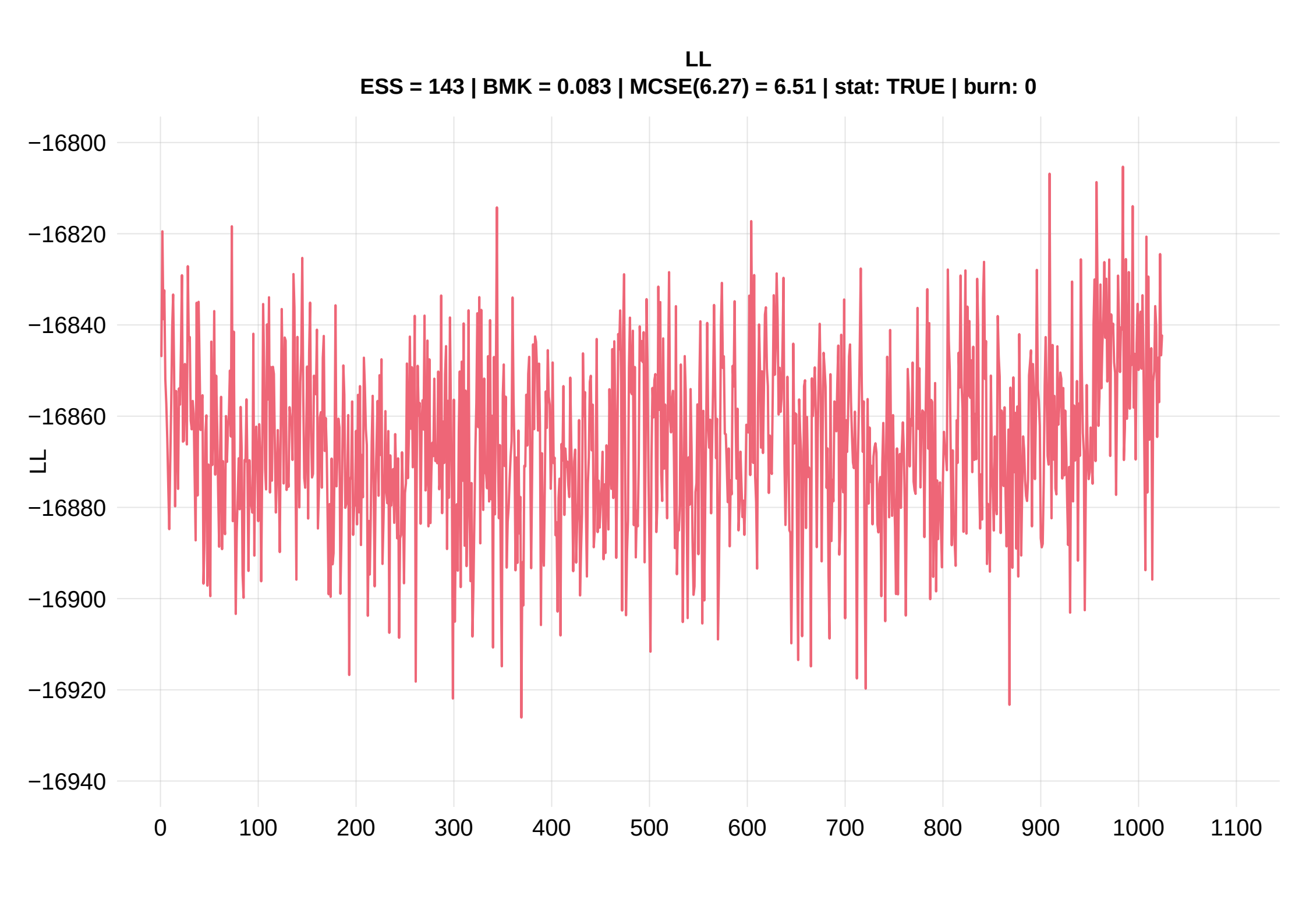

probability density
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0
5
10
15
20
25
30
35
40
CATANIMSC_neuro

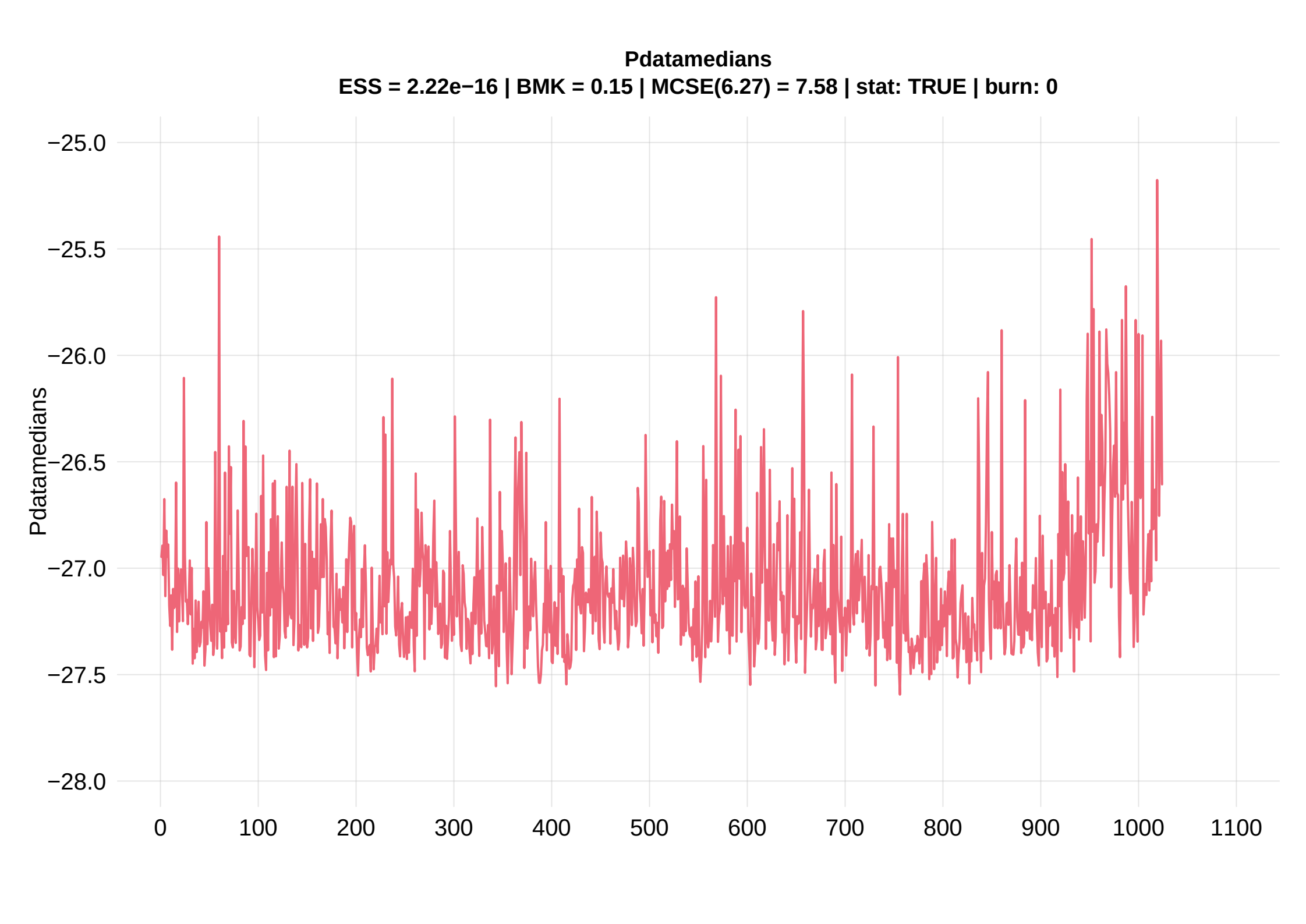

probability density
20
18
16
14
12
10
8
6
4
2
0
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
P(Apoe4_ = 1)

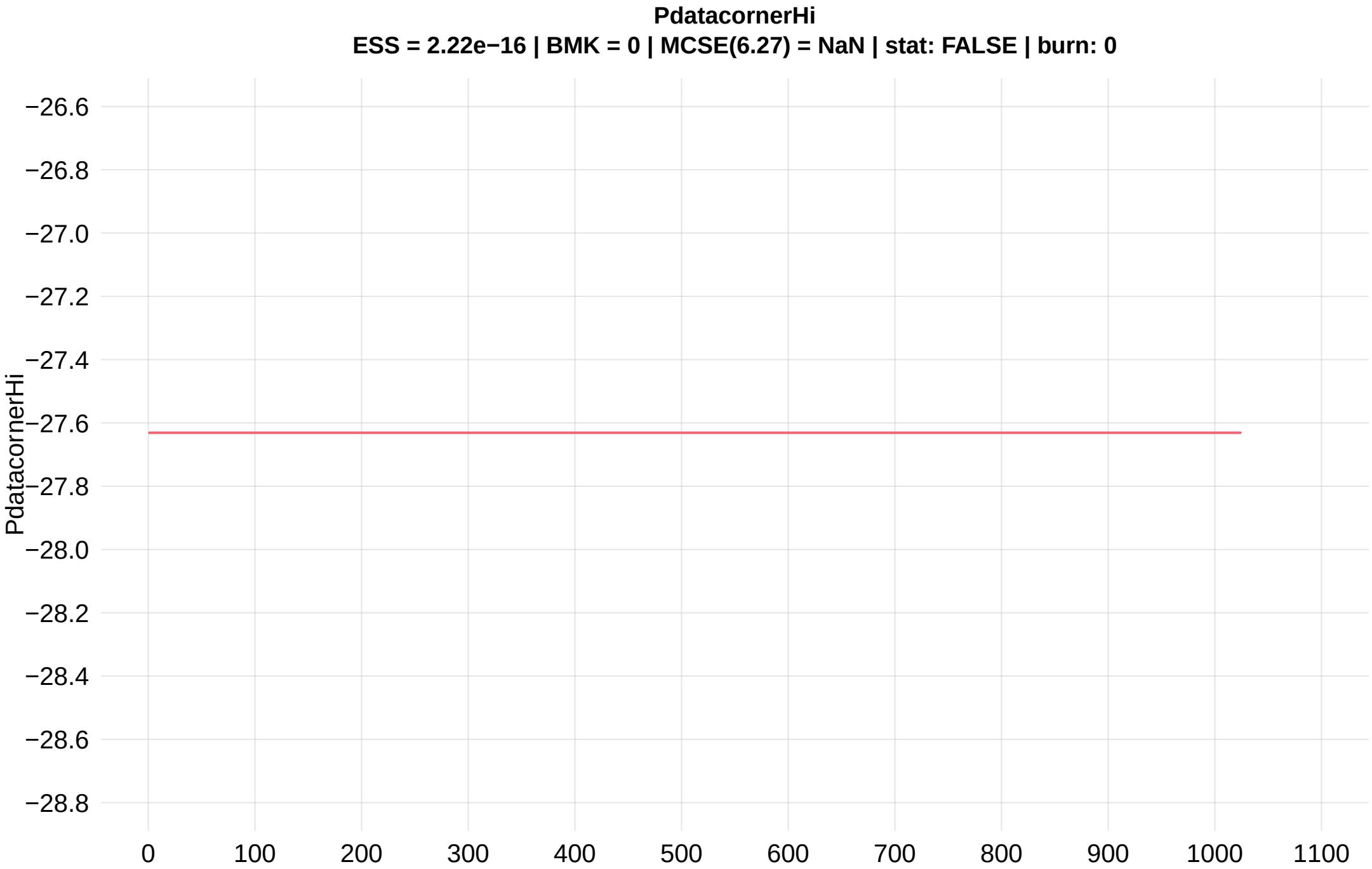

probability density
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0
1
2
3
4
5
6
7
GDTOTAL_gds

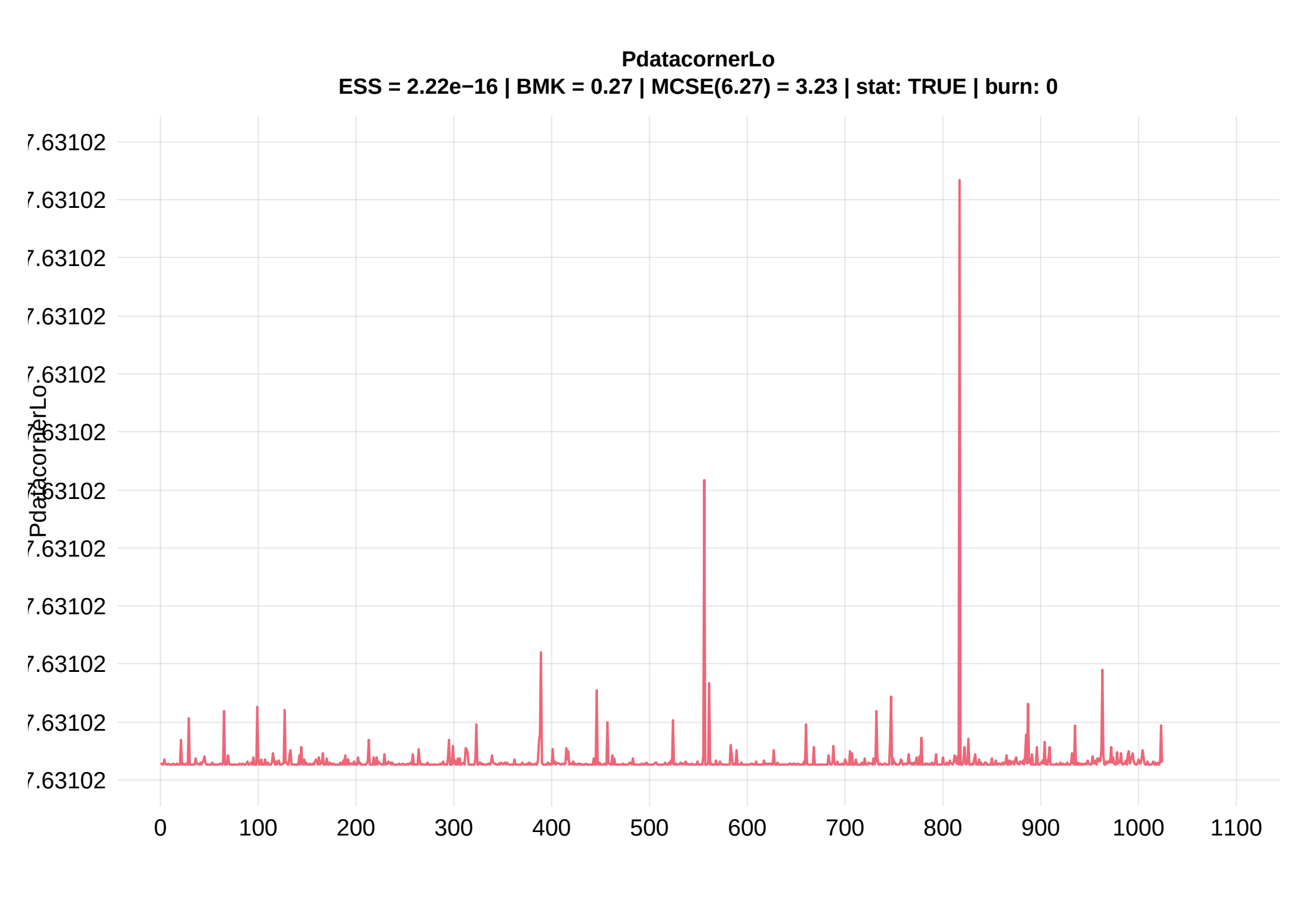

0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
probability density
0
5
10
15
20
25
30
35
40
45
50
55
ANARTERR_neuro

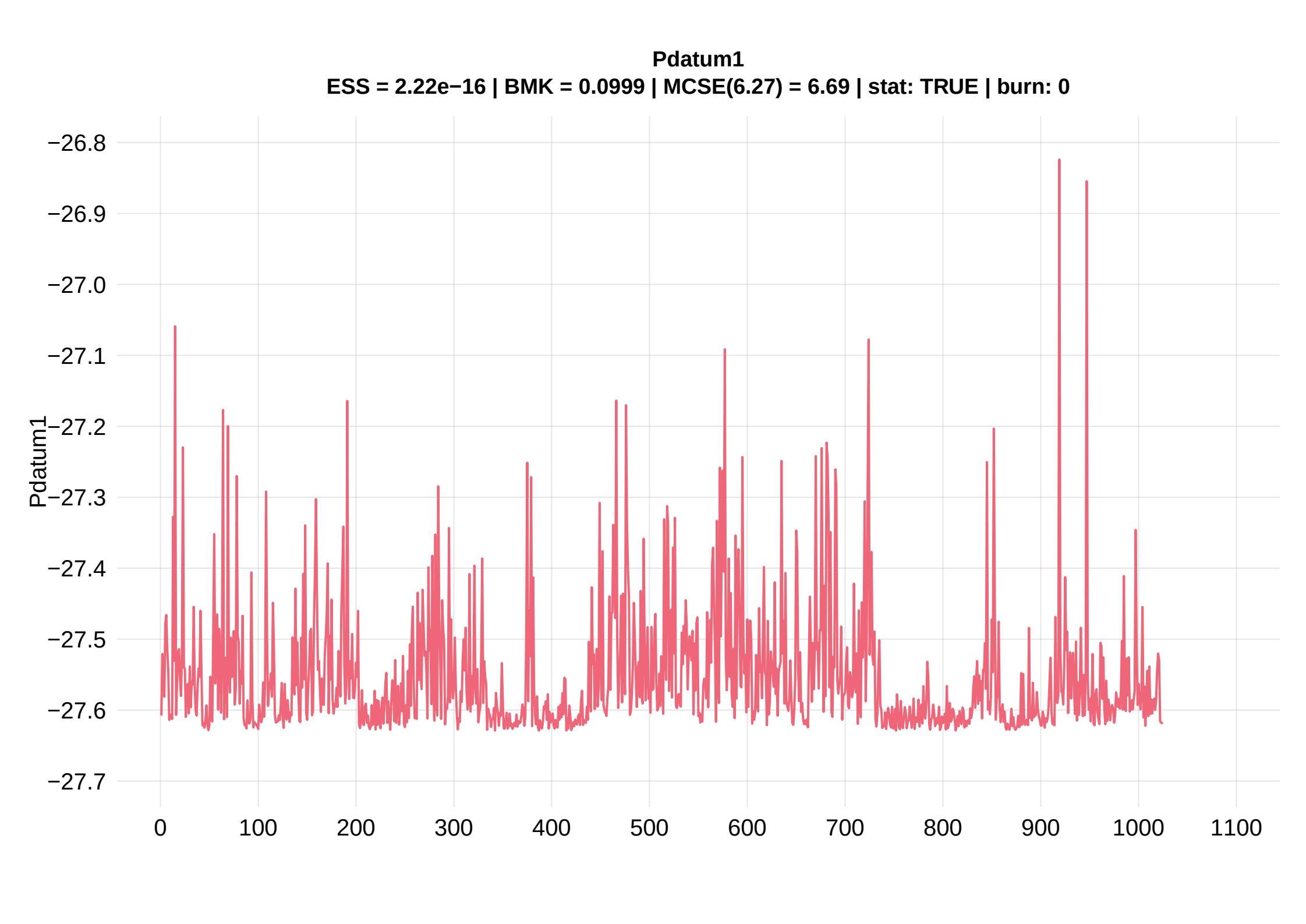

AGE_log_
3
0
−3
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
LRHHC_n_long_log_
3
0
−3
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
Gender_num_
0.8
0.4
0.0
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
RAVLT_immediate
60
35
10
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
AVDEL30MIN_neuro
12
6
0
0.0 0.2 0.4 0.6 0.8 1.0
Subgroup_num_
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_

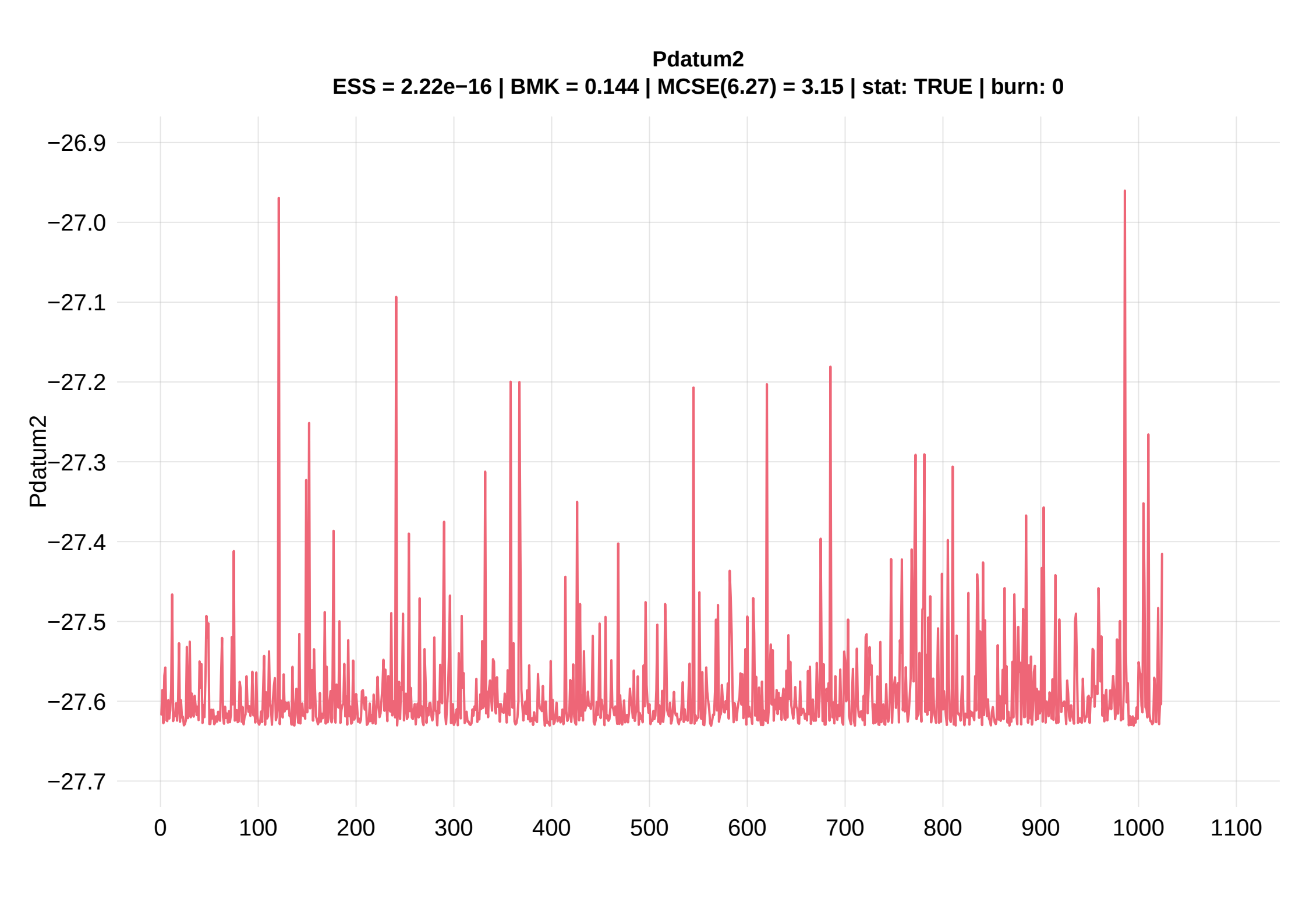

LL
ESS = 143 | BMK = 0.083 | MCSE(6.27) = 6.51 | stat: TRUE | burn: 0
−16800
−16820
−16840
−16860
−16880
−16900
−16920
−16940
LL
0
100
200
300
400
500
600
700
800
900
1000
1100

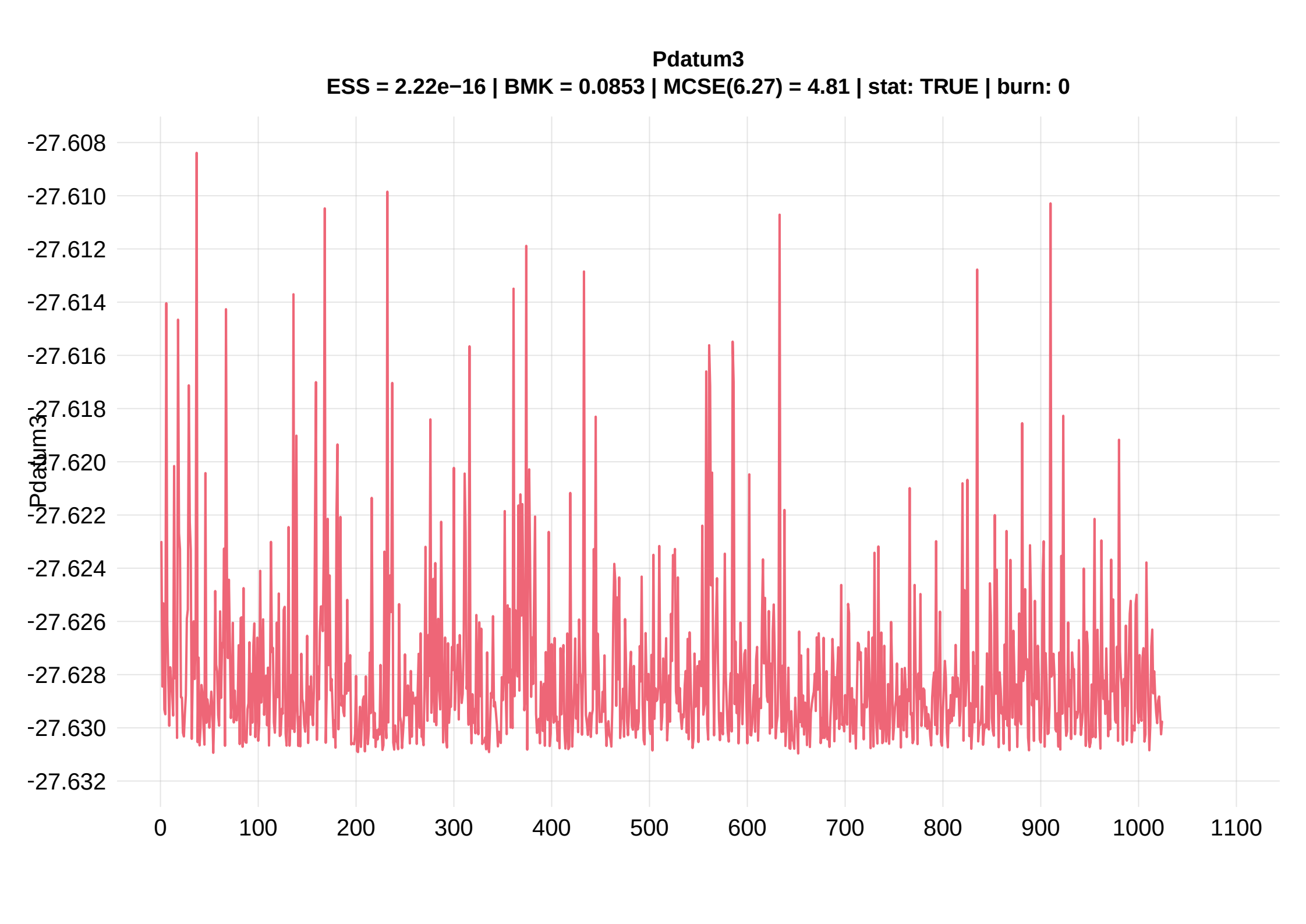

Pdatamedians
ESS = 2.22e−16 | BMK = 0.15 | MCSE(6.27) = 7.58 | stat: TRUE | burn: 0
Pdatamedians
−25.0
−25.5
−26.0
−26.5
−27.0
−27.5
−28.0
0
100
200
300
400
500
600
700
800
900
1000
1100

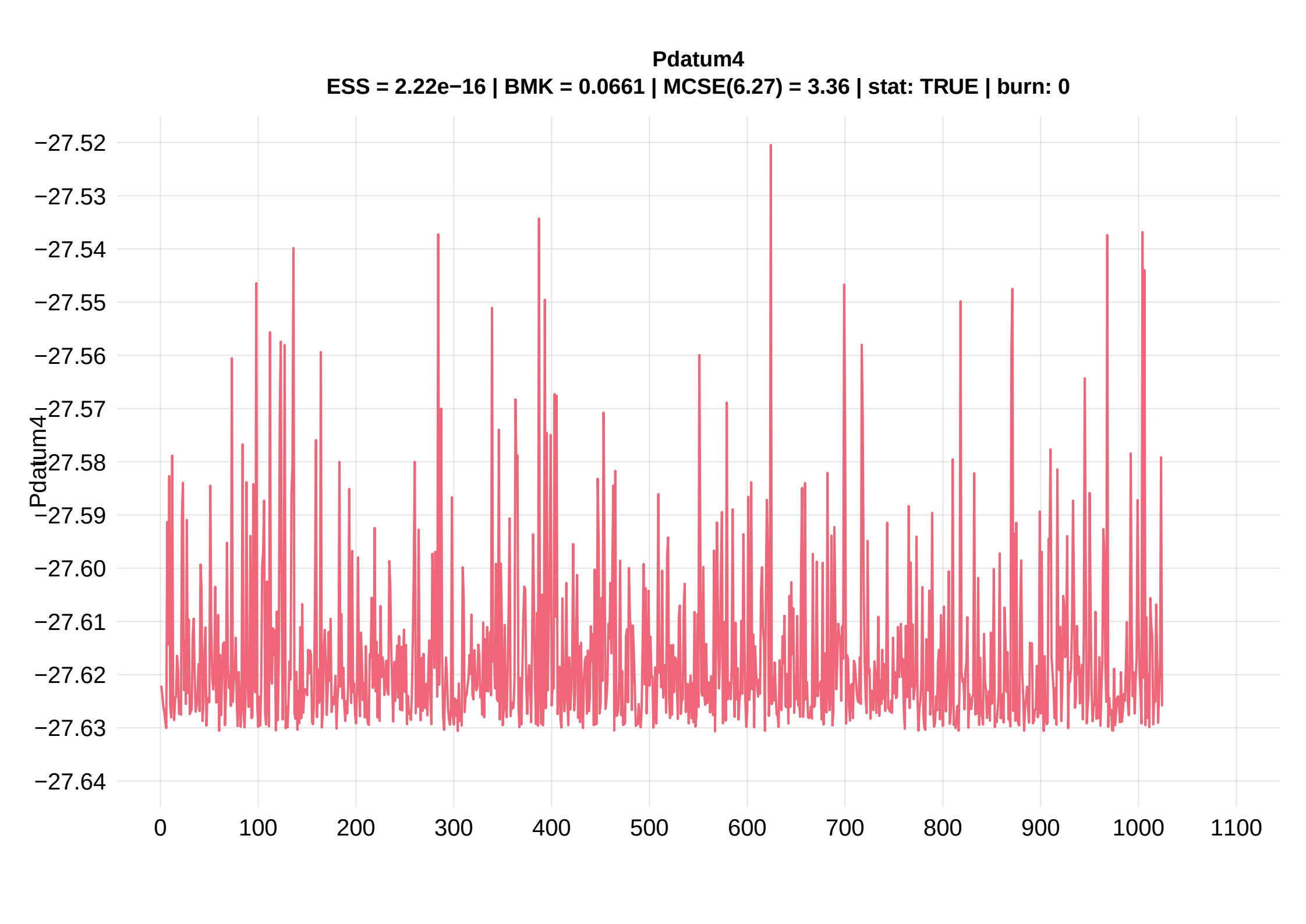

PdatacornerHi
ESS = 2.22e−16 | BMK = 0 | MCSE(6.27) = NaN | stat: FALSE | burn: 0
PdatacornerHi
−26.6
−26.8
−27.0
−27.2
−27.4
−27.6
−27.8
−28.0
−28.2
−28.4
−28.6
−28.8
0
100
200
300
400
500
600
700
800
900
1000
1100

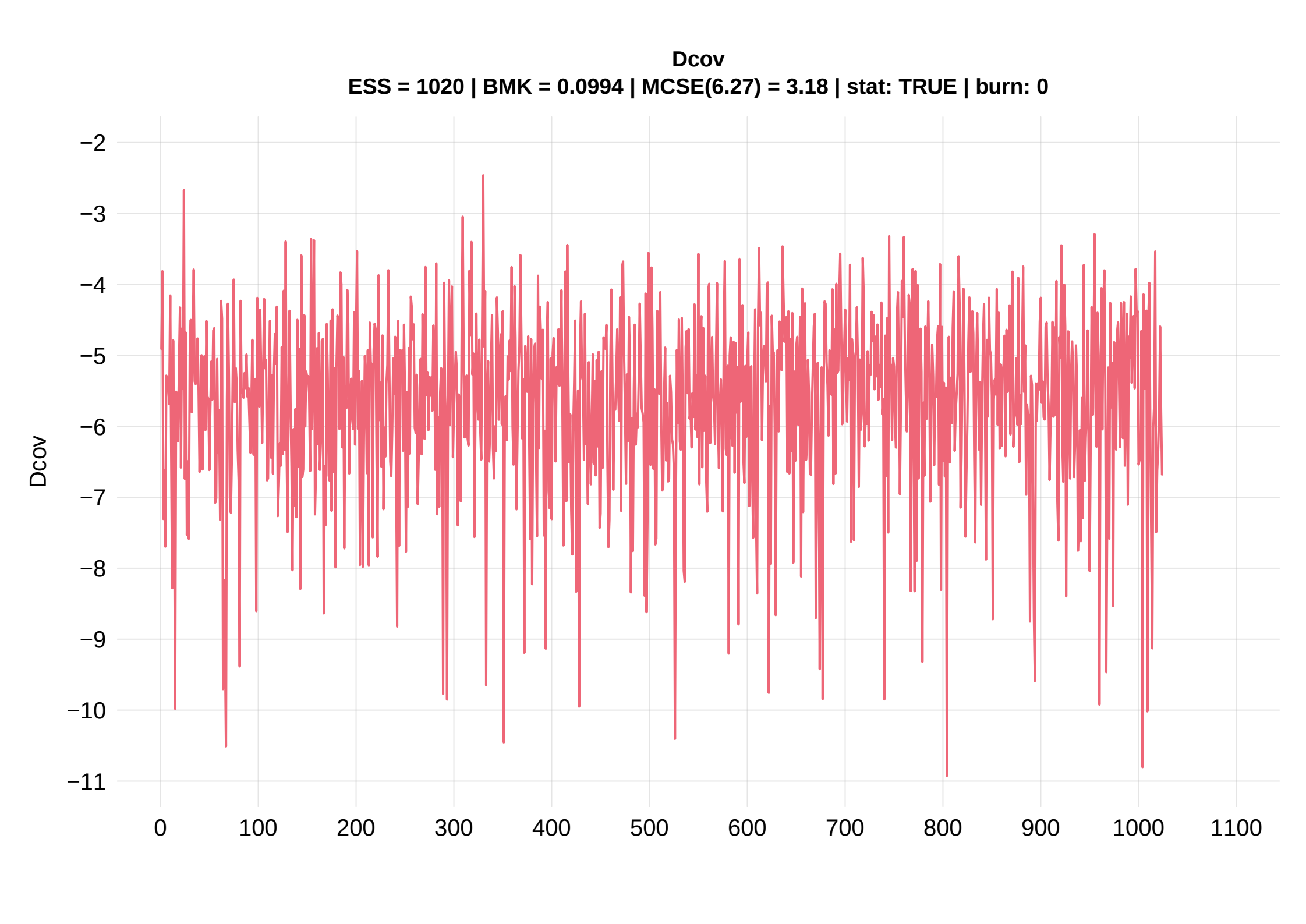

PdatacornerLo
ESS = 2.22e−16 | BMK = 0.27 | MCSE(6.27) = 3.23 | stat: TRUE | burn: 0
7.63102
7.63102
7.63102
7.63102
7.63102
7.63102
7.63102
7.63102
7.63102
7.63102
PdatacornerLo
0
100
200
300
400
500
600
700
800
900
1000
1100

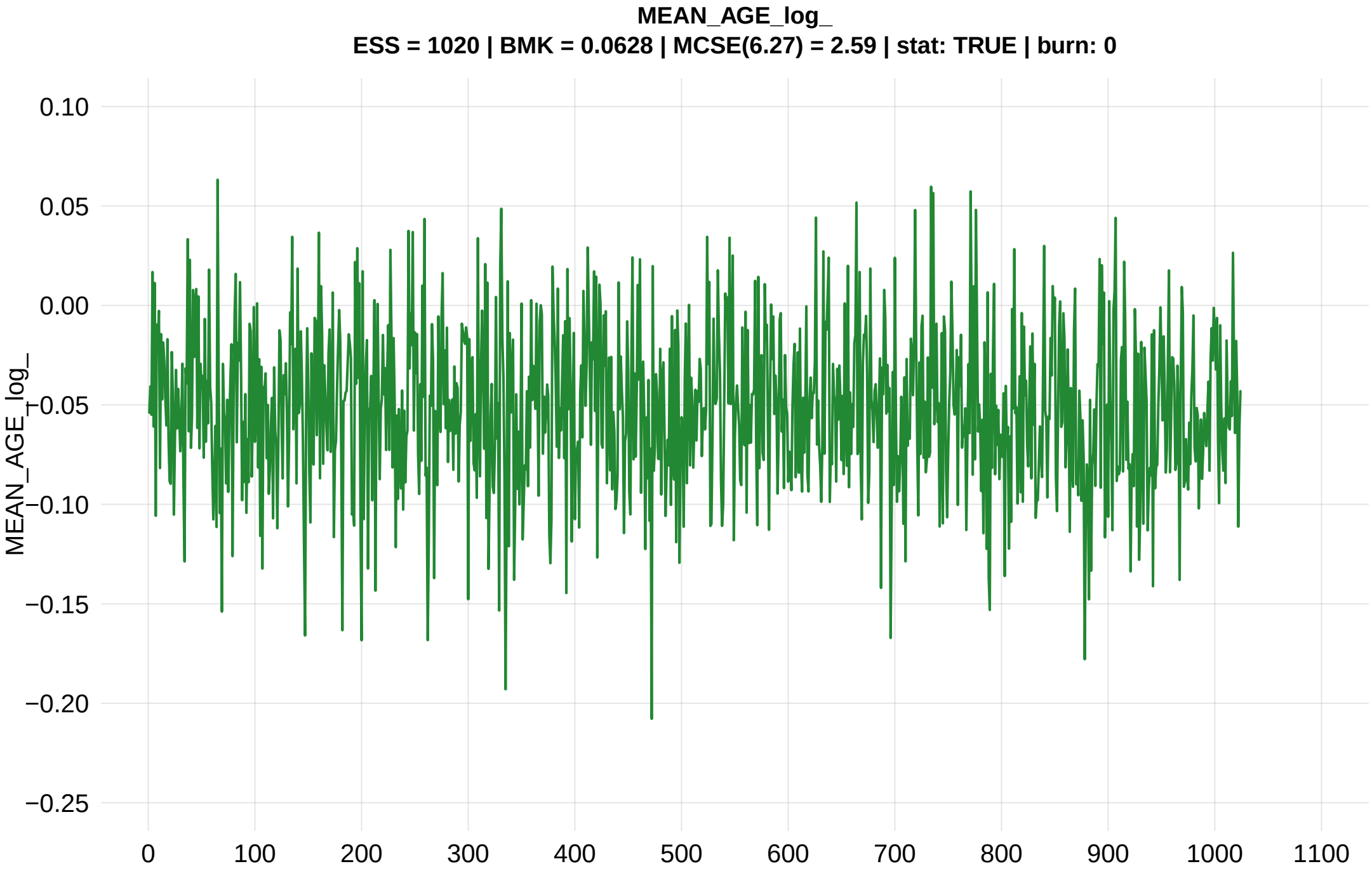

Pdatum1
ESS = 2.22e−16 | BMK = 0.0999 | MCSE(6.27) = 6.69 | stat: TRUE | burn: 0
Pdatum1
−26.8
−26.9
−27.0
−27.1
−27.2
−27.3
−27.4
−27.5
−27.6
−27.7
0
100
200
300
400
500
600
700
800
900
1000
1100

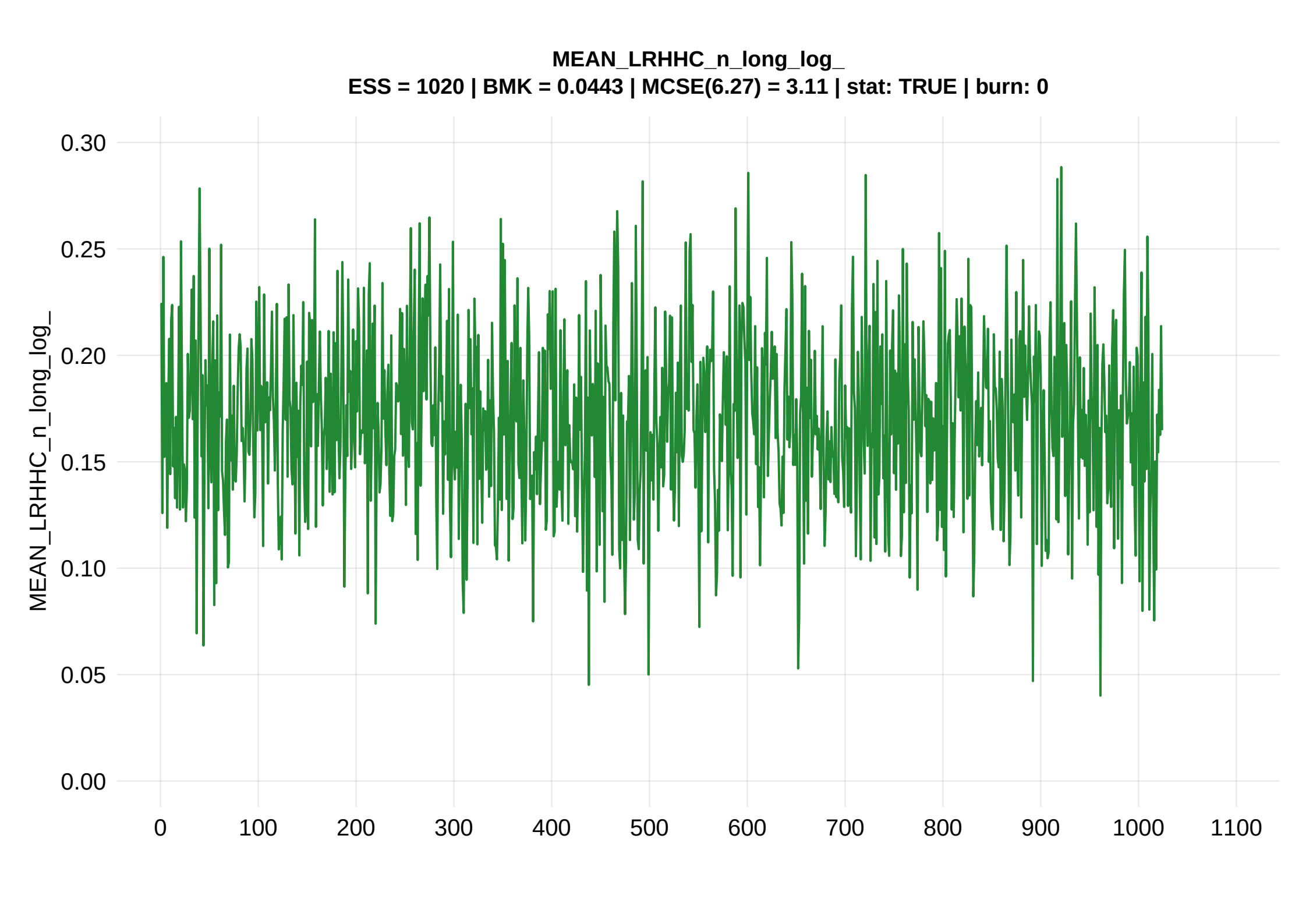

Pdatum2
ESS = 2.22e−16 | BMK = 0.144 | MCSE(6.27) = 3.15 | stat: TRUE | burn: 0
Pdatum2
−26.9
−27.0
−27.1
−27.2
−27.3
−27.4
−27.5
−27.6
−27.7
0
100
200
300
400
500
600
700
800
900
1000
1100

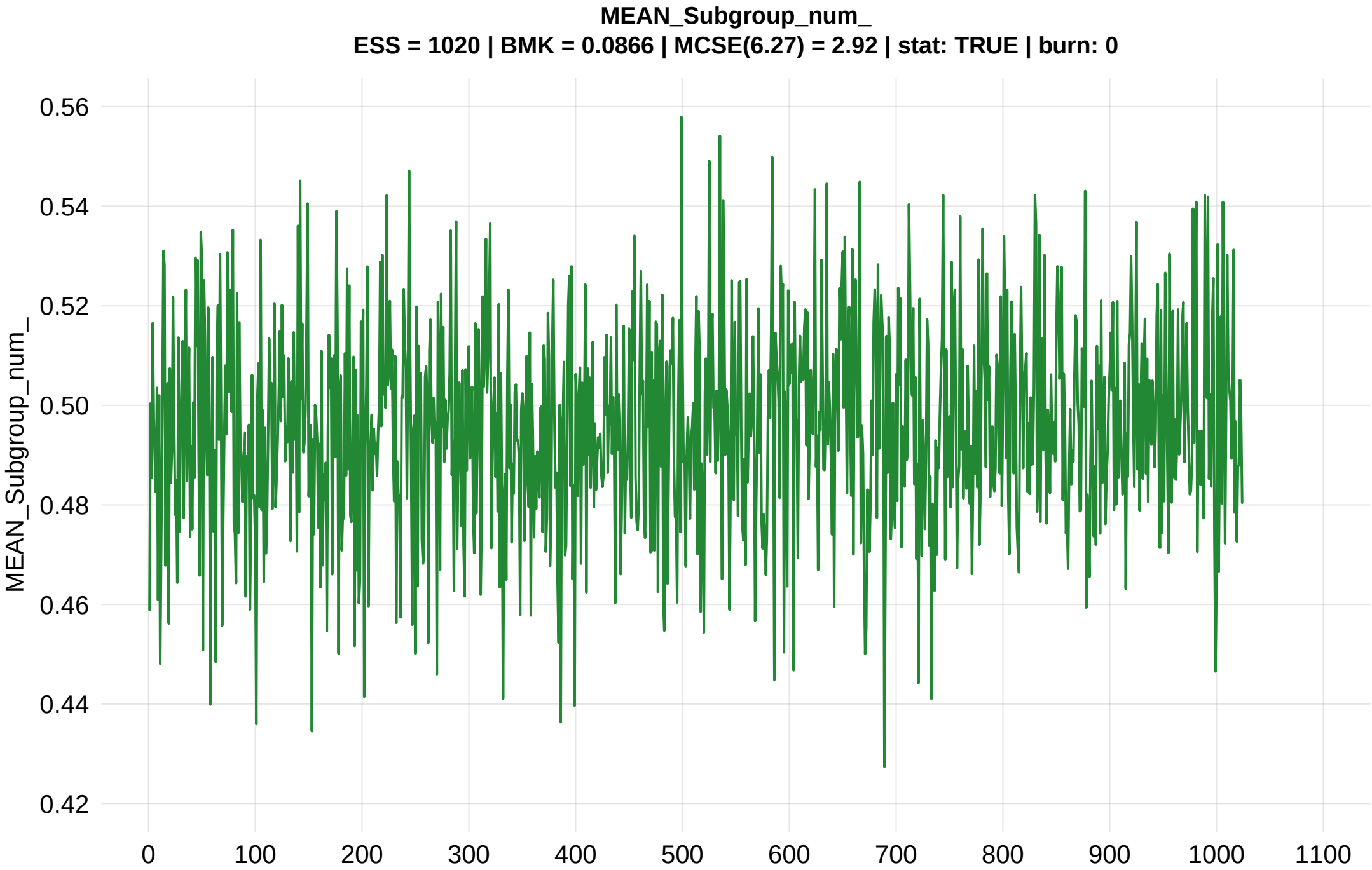

Pdatum3
ESS = 2.22e−16 | BMK = 0.0853 | MCSE(6.27) = 4.81 | stat: TRUE | burn: 0
-27.608
-27.610
-27.612
-27.614
-27.616
-27.618
-27.620
-27.622
-27.624
-27.626
-27.628
-27.630
-27.632
Pdatum3
0
100
200
300
400
500
600
700
800
900
1000
1100

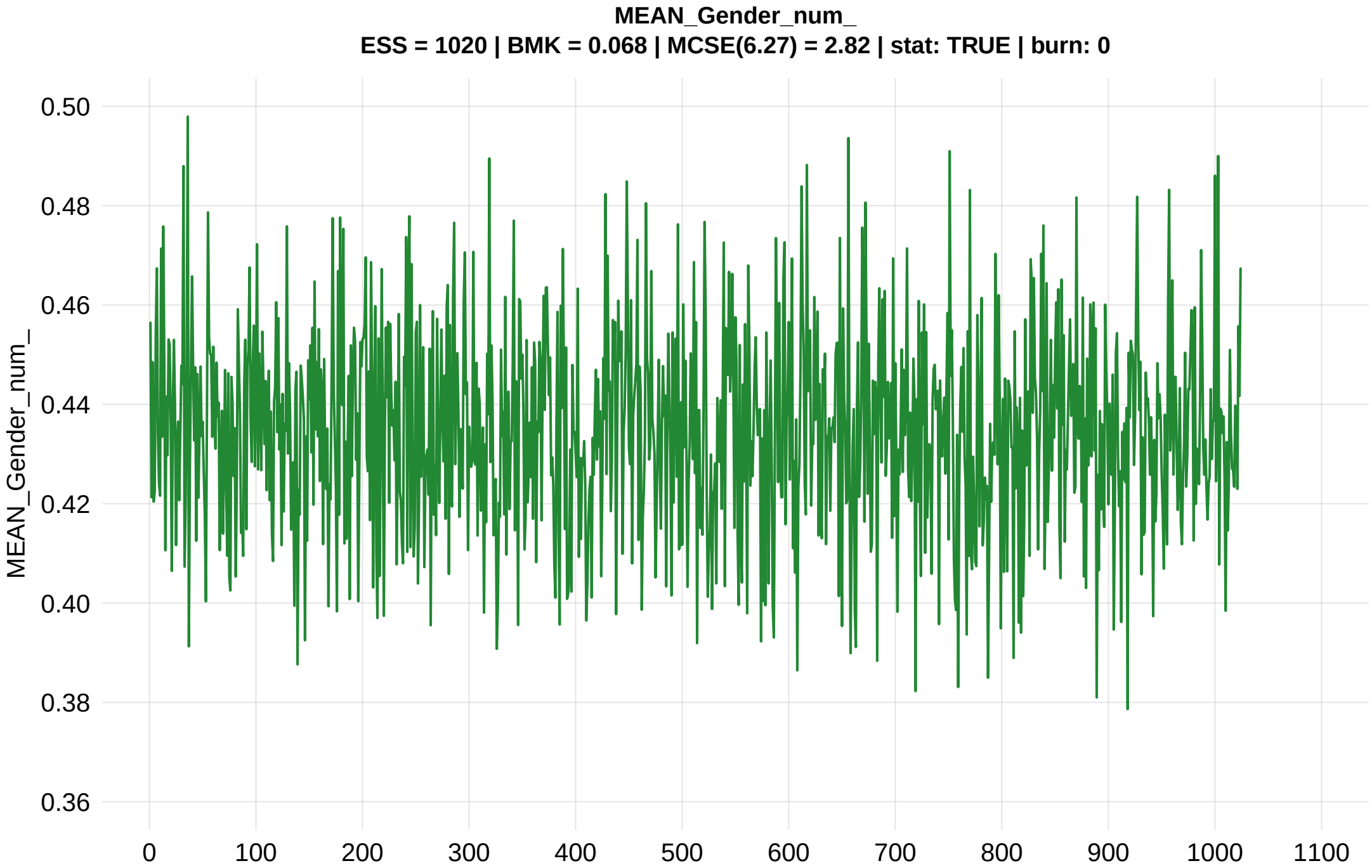

Pdatum4
ESS = 2.22e−16 | BMK = 0.0661 | MCSE(6.27) = 3.36 | stat: TRUE | burn: 0
−27.52
−27.53
−27.54
−27.55
−27.56
−27.57
−27.58
−27.59
−27.60
−27.61
−27.62
−27.63
−27.64
Pdatum4
0
100
200
300
400
500
600
700
800
900
1000
1100

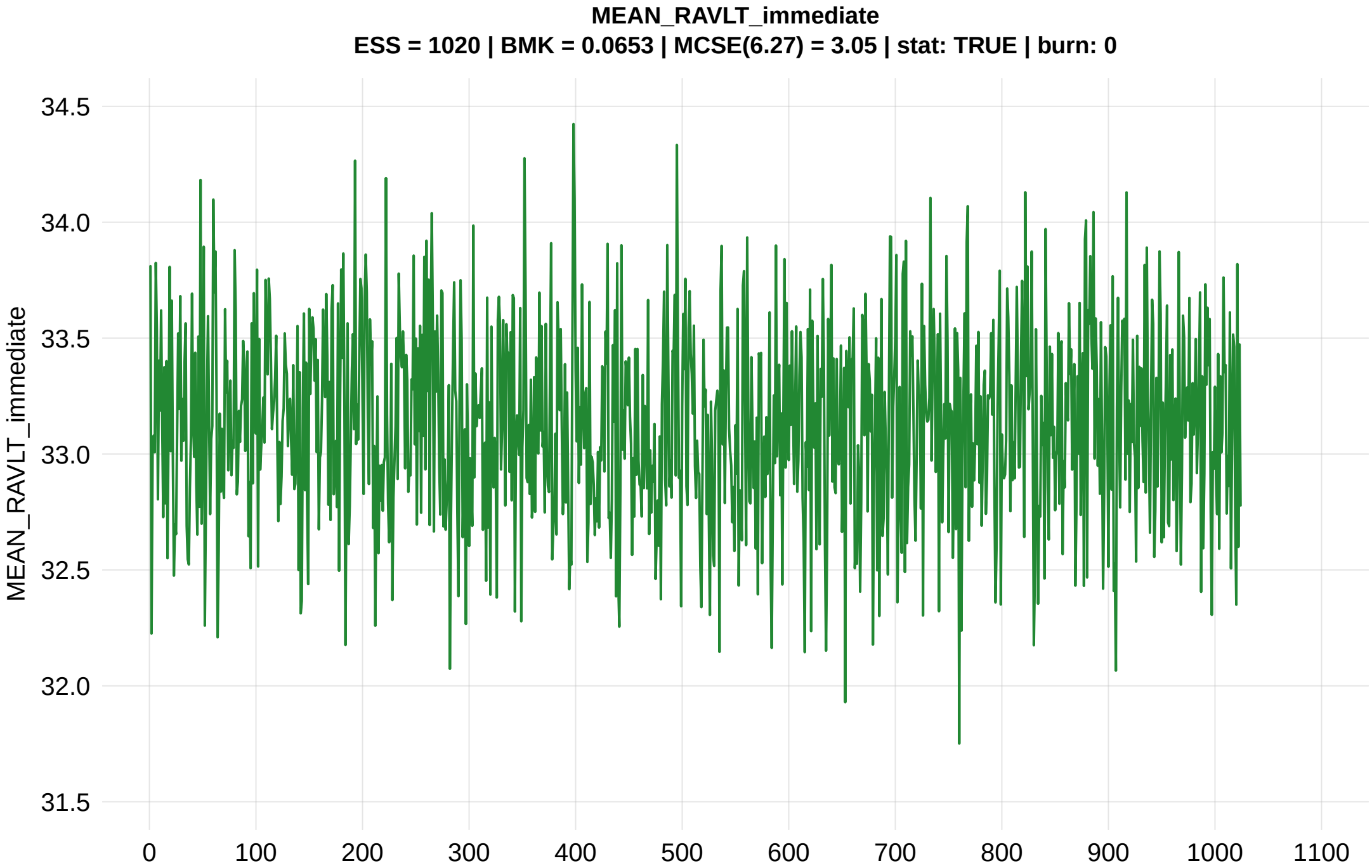

Dcov
ESS = 1020 | BMK = 0.0994 | MCSE(6.27) = 3.18 | stat: TRUE | burn: 0
Dcov
−2
−3
−4
−5
−6
−7
−8
−9
−10
−11
0
100
200
300
400
500
600
700
800
900
1000
1100

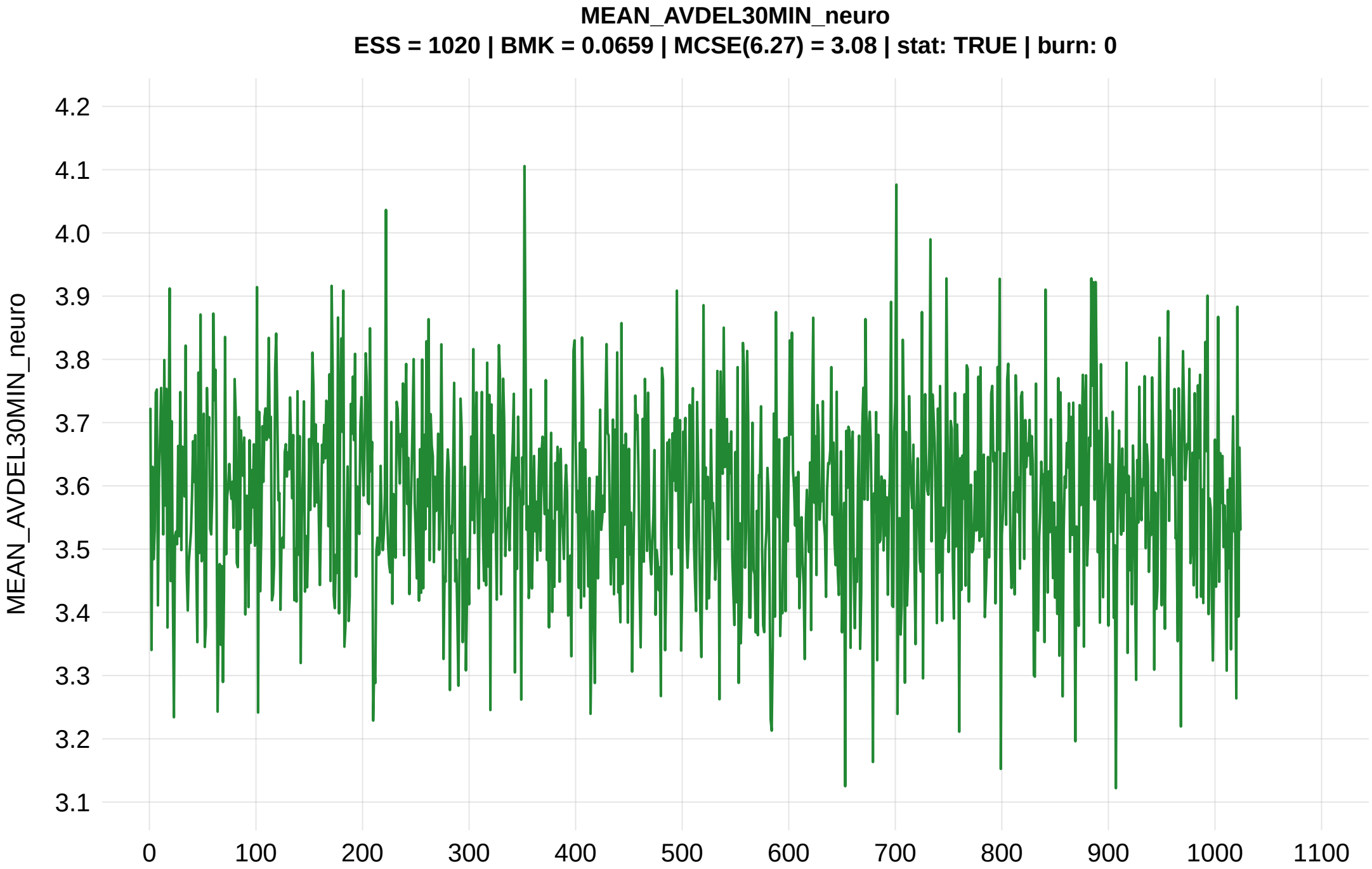

MEAN_AGE_log_
ESS = 1020 | BMK = 0.0628 | MCSE(6.27) = 2.59 | stat: TRUE | burn: 0
MEAN_AGE_log_
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
0
100
200
300
400
500
600
700
800
900
1000
1100

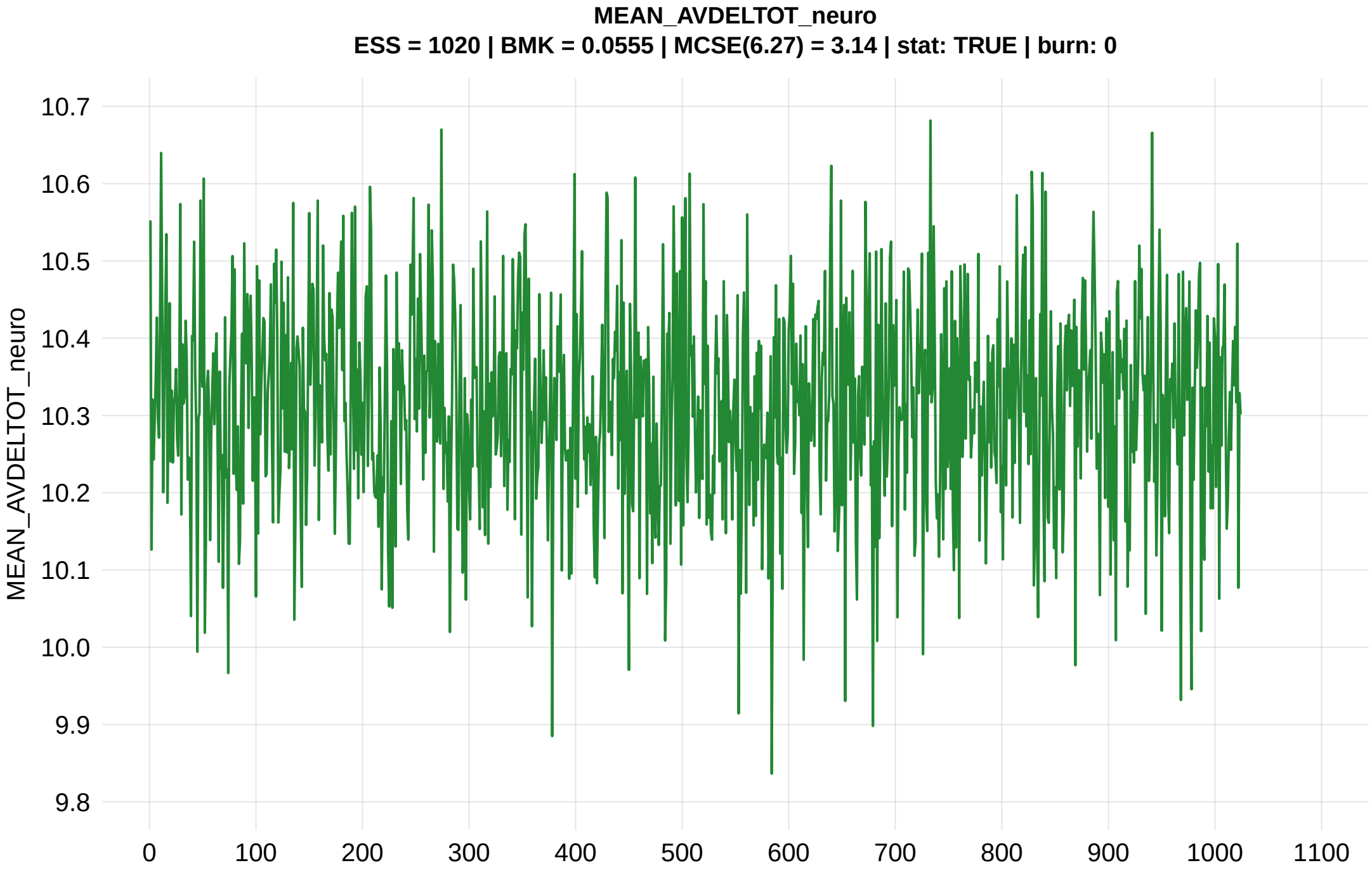

MEAN_LRHHC_n_long_log_
ESS = 1020 | BMK = 0.0443 | MCSE(6.27) = 3.11 | stat: TRUE | burn: 0
MEAN_LRHHC_n_long_log_
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0
100
200
300
400
500
600
700
800
900
1000
1100

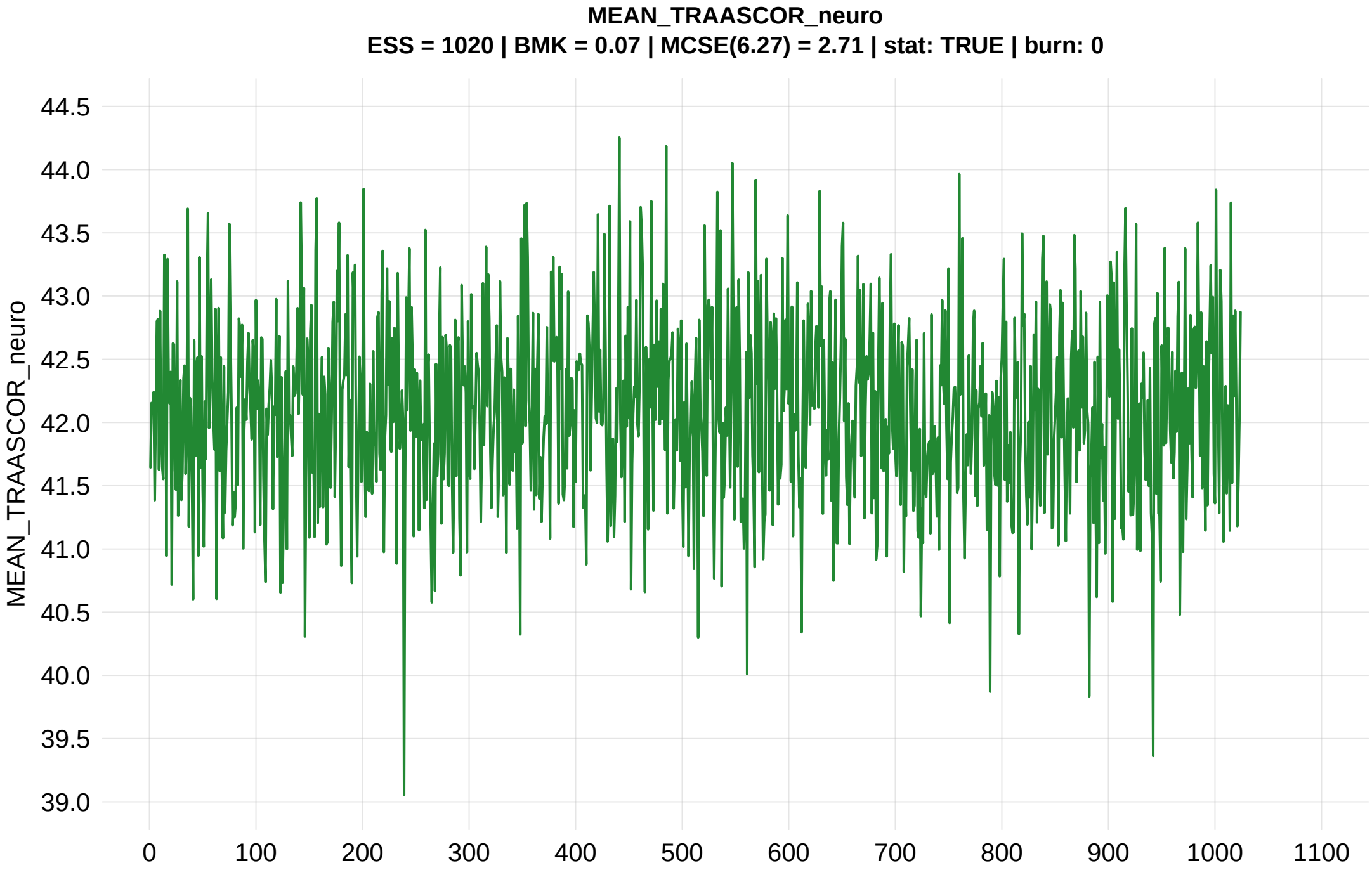

MEAN_Subgroup_num_
ESS = 1020 | BMK = 0.0866 | MCSE(6.27) = 2.92 | stat: TRUE | burn: 0
MEAN_Subgroup_num_
0.56
0.54
0.52
0.50
0.48
0.46
0.44
0.42
0
100
200
300
400
500
600
700
800
900
1000
1100

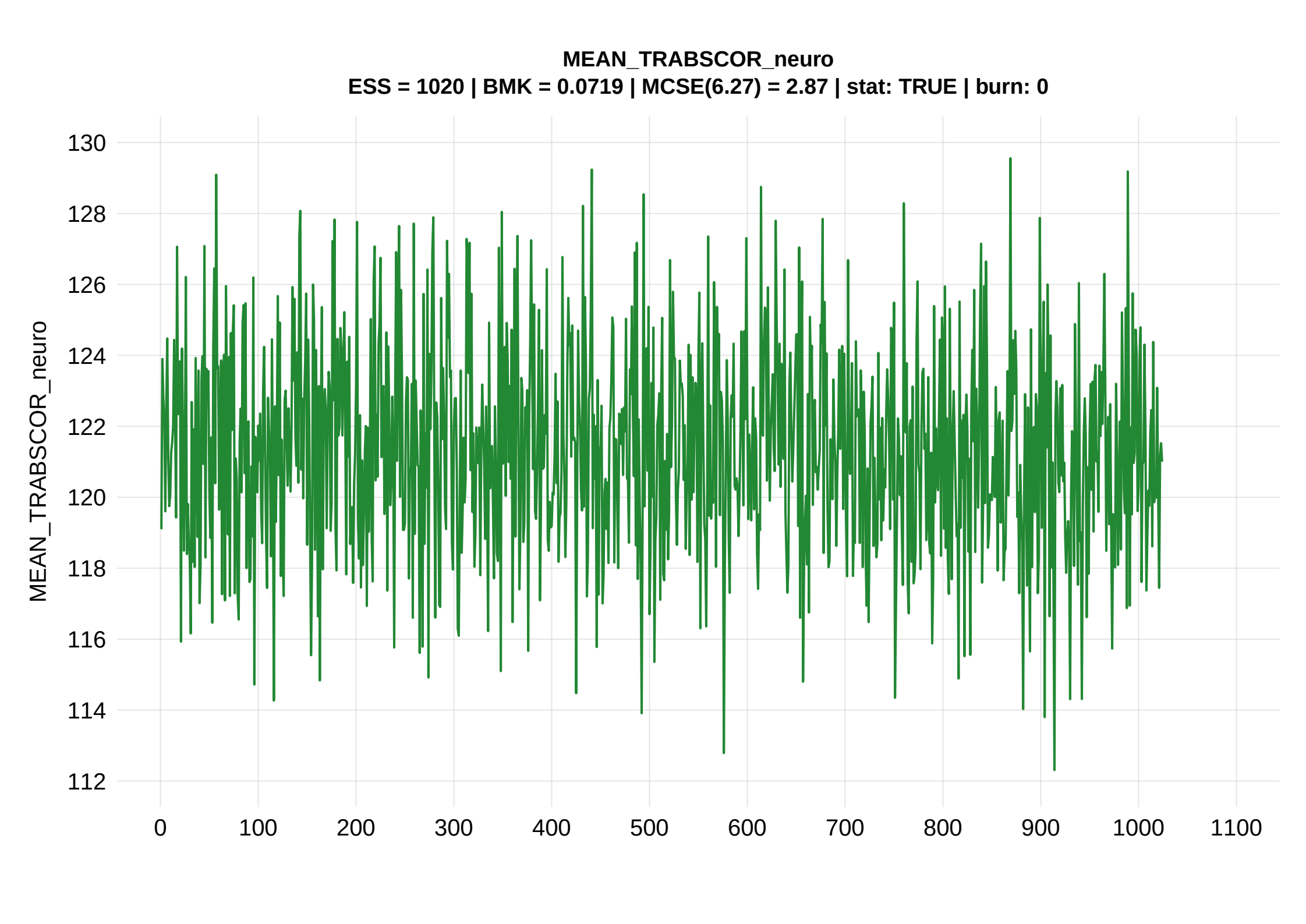

MEAN_Gender_num_
ESS = 1020 | BMK = 0.068 | MCSE(6.27) = 2.82 | stat: TRUE | burn: 0
MEAN_Gender_num_
0.50
0.48
0.46
0.44
0.42
0.40
0.38
0.36
0
100
200
300
400
500
600
700
800
900
1000
1100

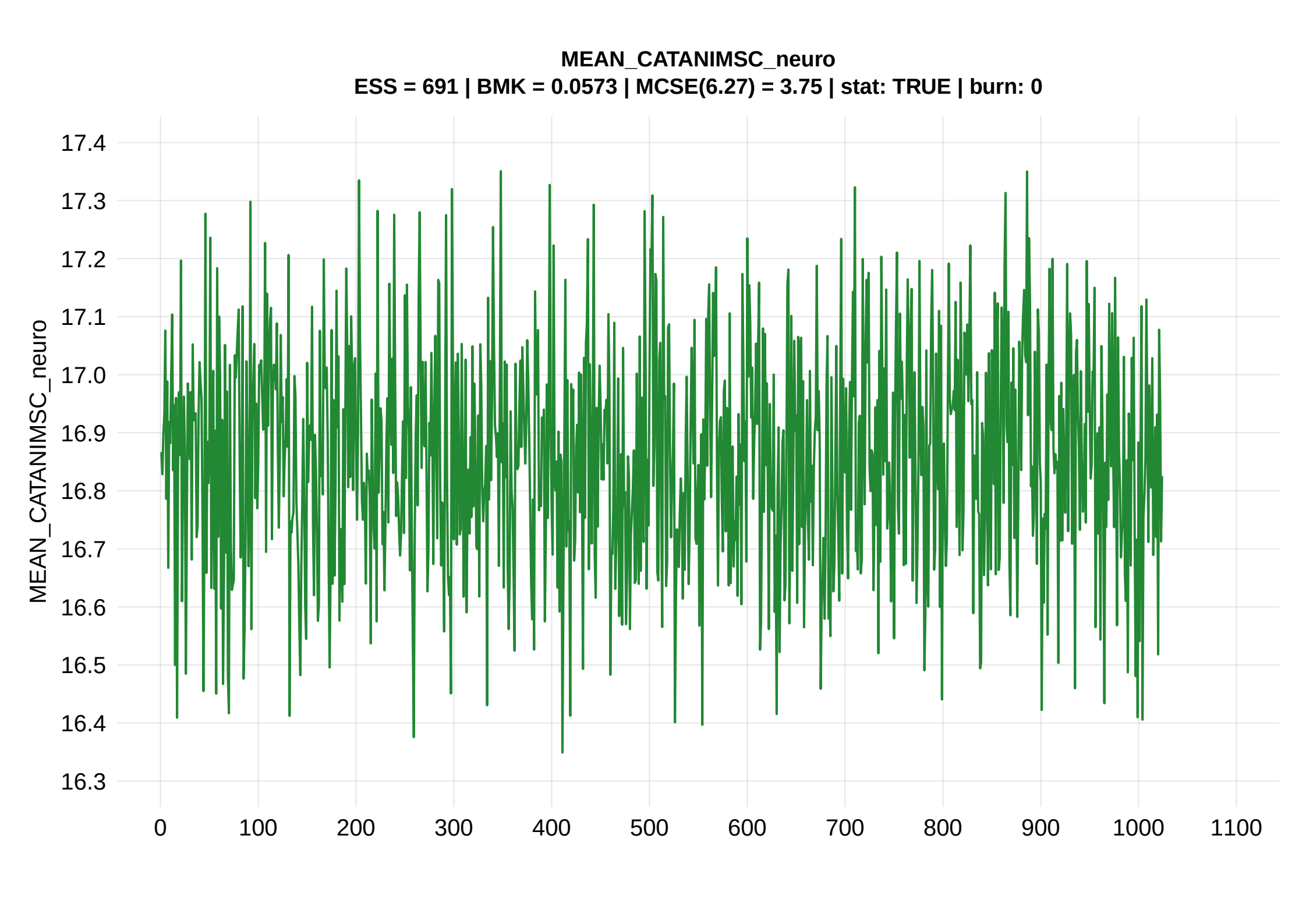

MEAN_RAVLT_immediate
ESS = 1020 | BMK = 0.0653 | MCSE(6.27) = 3.05 | stat: TRUE | burn: 0
MEAN_RAVLT_immediate
34.5
34.0
33.5
33.0
32.5
32.0
31.5
0
100
200
300
400
500
600
700
800
900
1000
1100

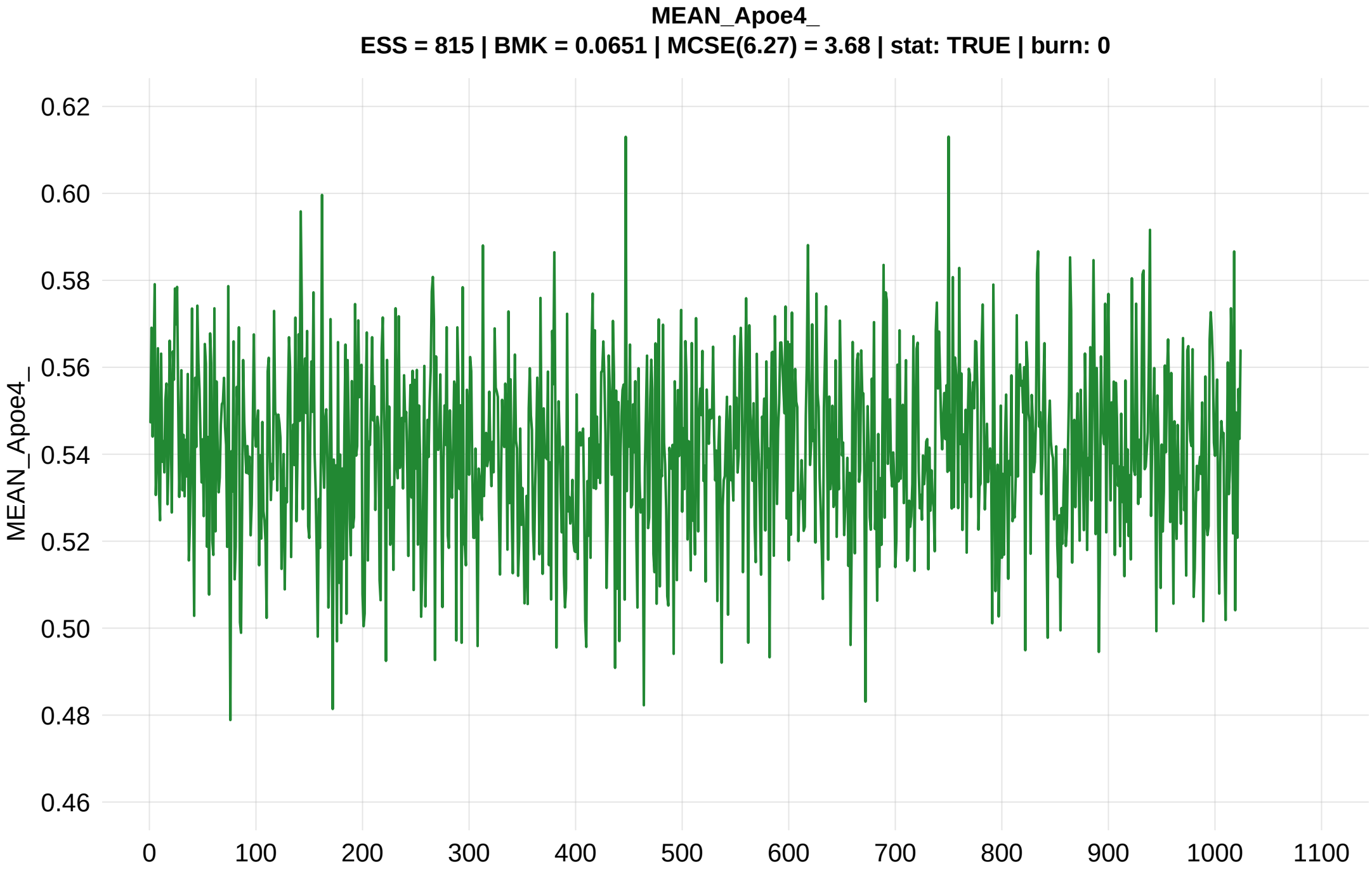

MEAN_AVDEL30MIN_neuro
ESS = 1020 | BMK = 0.0659 | MCSE(6.27) = 3.08 | stat: TRUE | burn: 0
MEAN_AVDEL30MIN_neuro
4.2
4.1
4.0
3.9
3.8
3.7
3.6
3.5
3.4
3.3
3.2
3.1
0
100
200
300
400
500
600
700
800
900
1000
1100

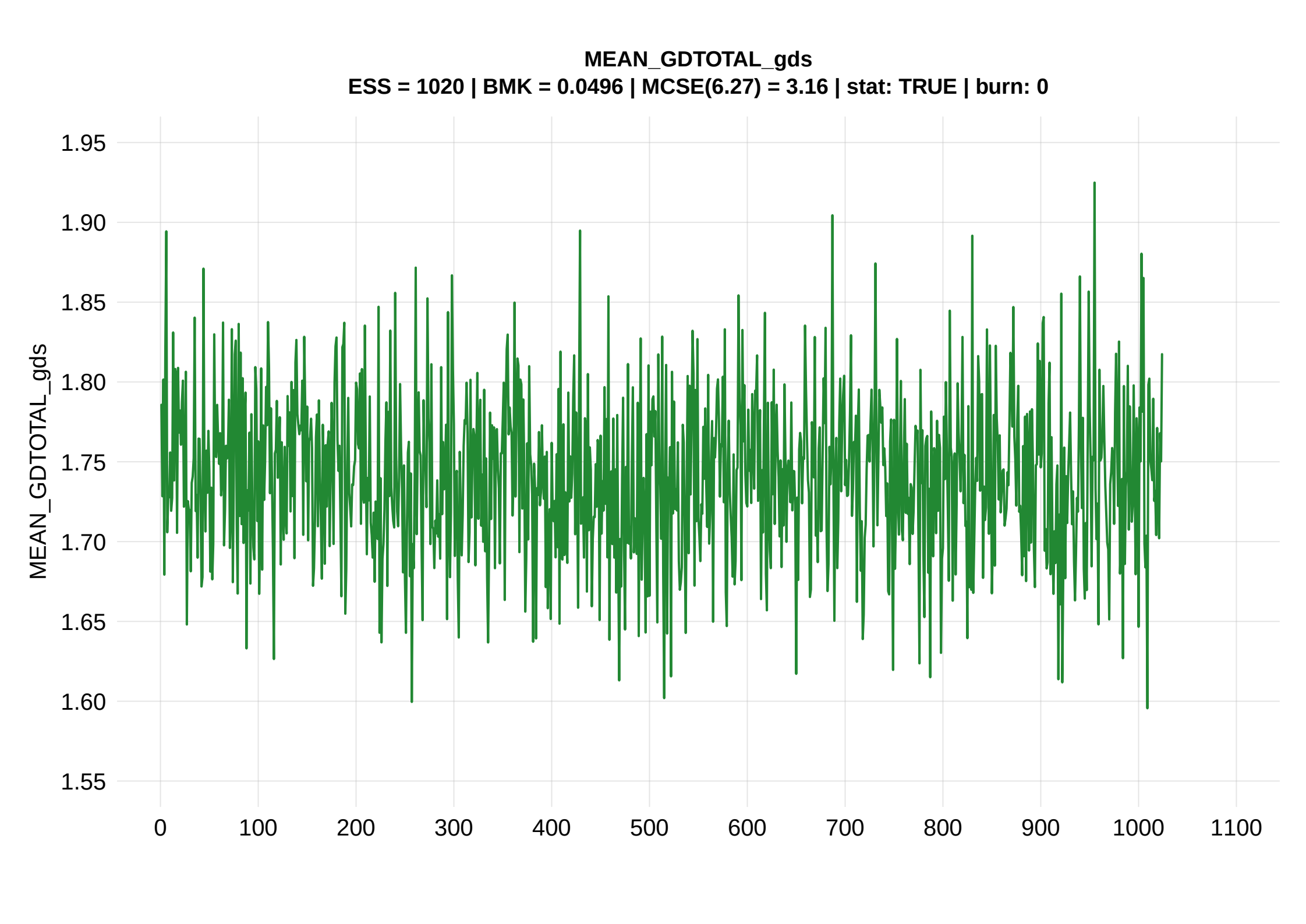

MEAN_AVDELTOT_neuro
ESS = 1020 | BMK = 0.0555 | MCSE(6.27) = 3.14 | stat: TRUE | burn: 0
MEAN_AVDELTOT_neuro
10.7
10.6
10.5
10.4
10.3
10.2
10.1
10.0
9.9
9.8
0
100
200
300
400
500
600
700
800
900
1000
1100

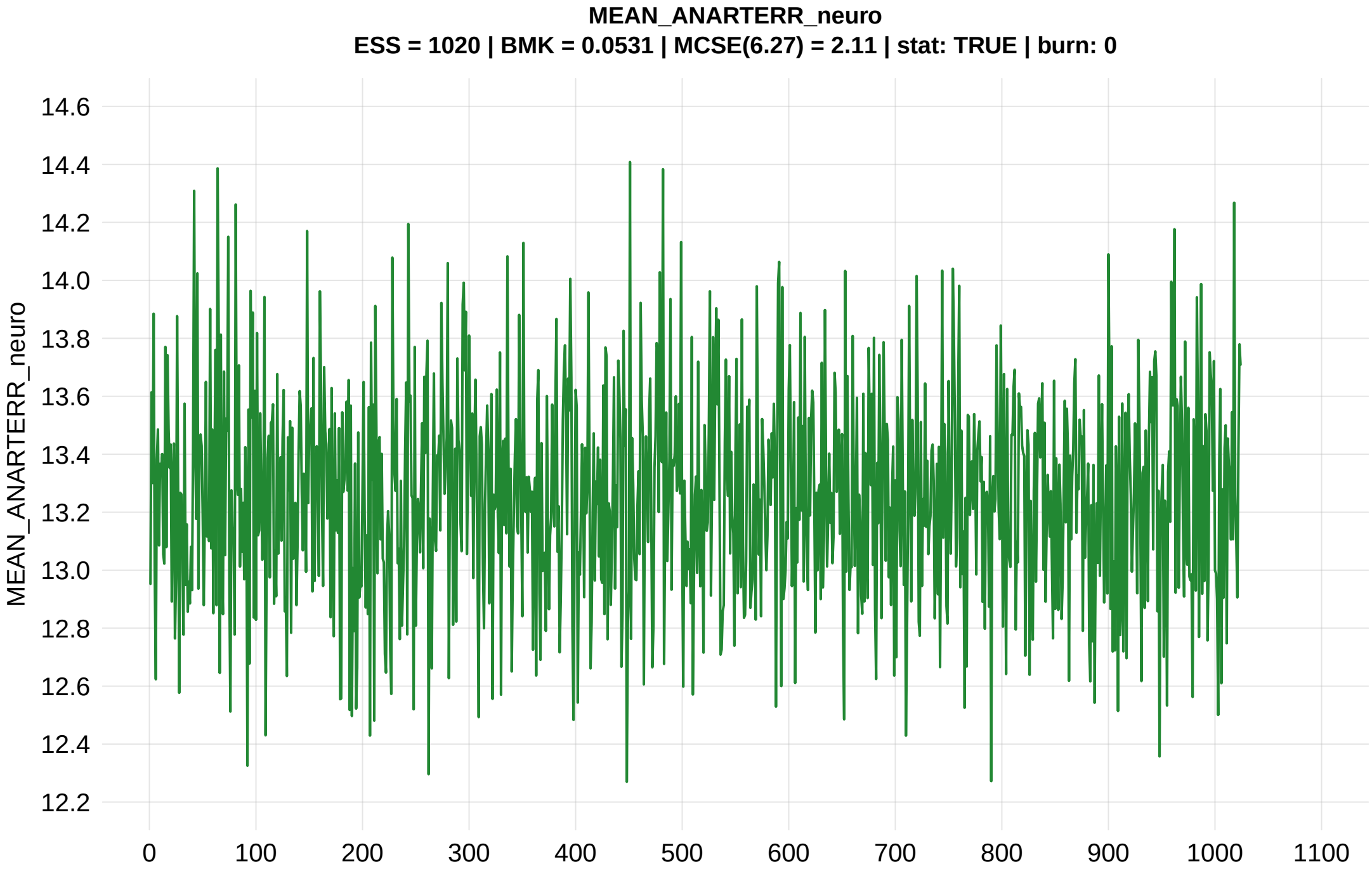

MEAN_TRAASCOR_neuro
ESS = 1020 | BMK = 0.07 | MCSE(6.27) = 2.71 | stat: TRUE | burn: 0
MEAN_TRAASCOR_neuro
44.5
44.0
43.5
43.0
42.5
42.0
41.5
41.0
40.5
40.0
39.5
39.0
0
100
200
300
400
500
600
700
800
900
1000
1100

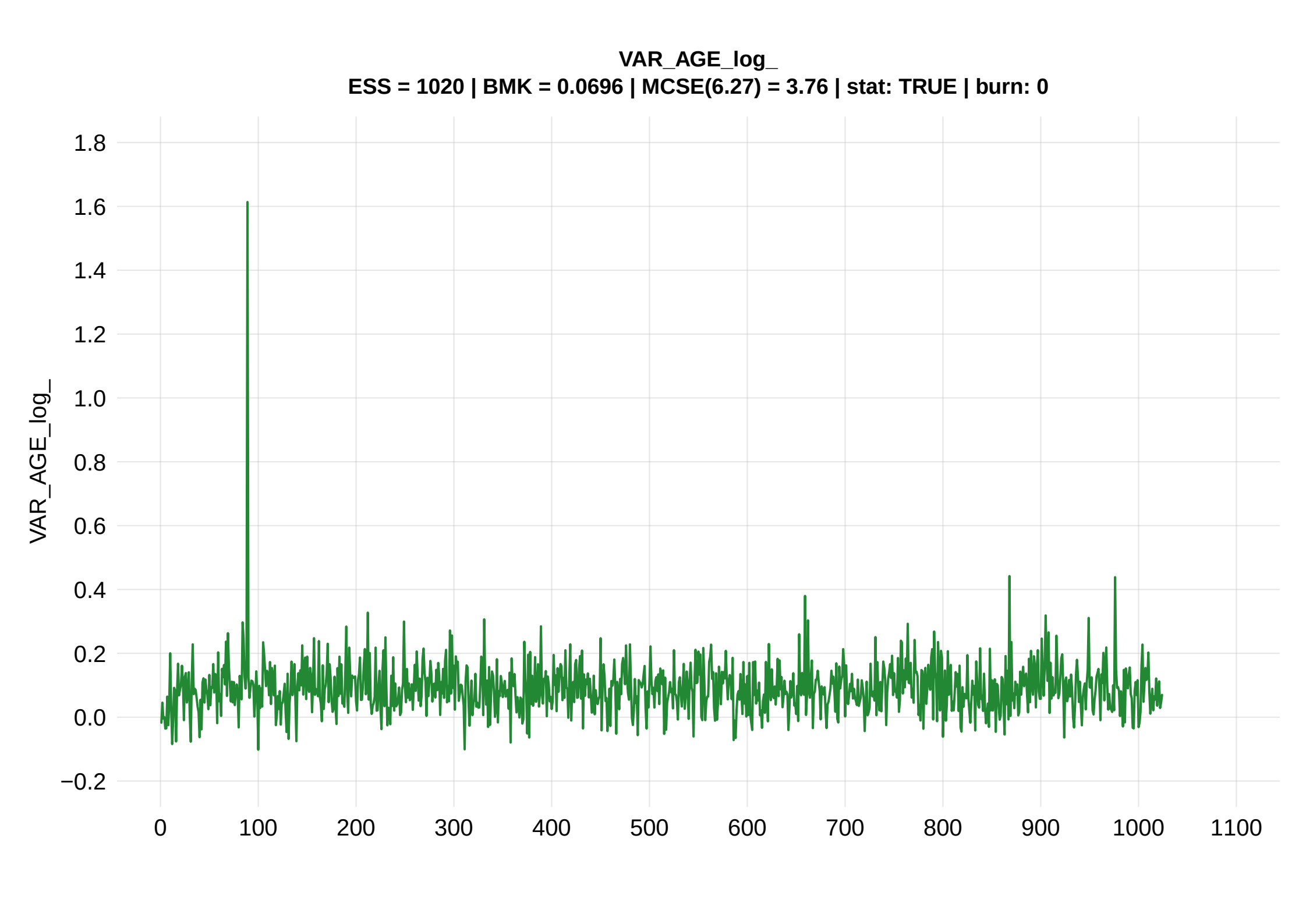

MEAN_TRABSCOR_neuro
ESS = 1020 | BMK = 0.0719 | MCSE(6.27) = 2.87 | stat: TRUE | burn: 0
MEAN_TRABSCOR_neuro
130
128
126
124
122
120
118
116
114
112
0
100
200
300
400
500
600
700
800
900
1000
1100

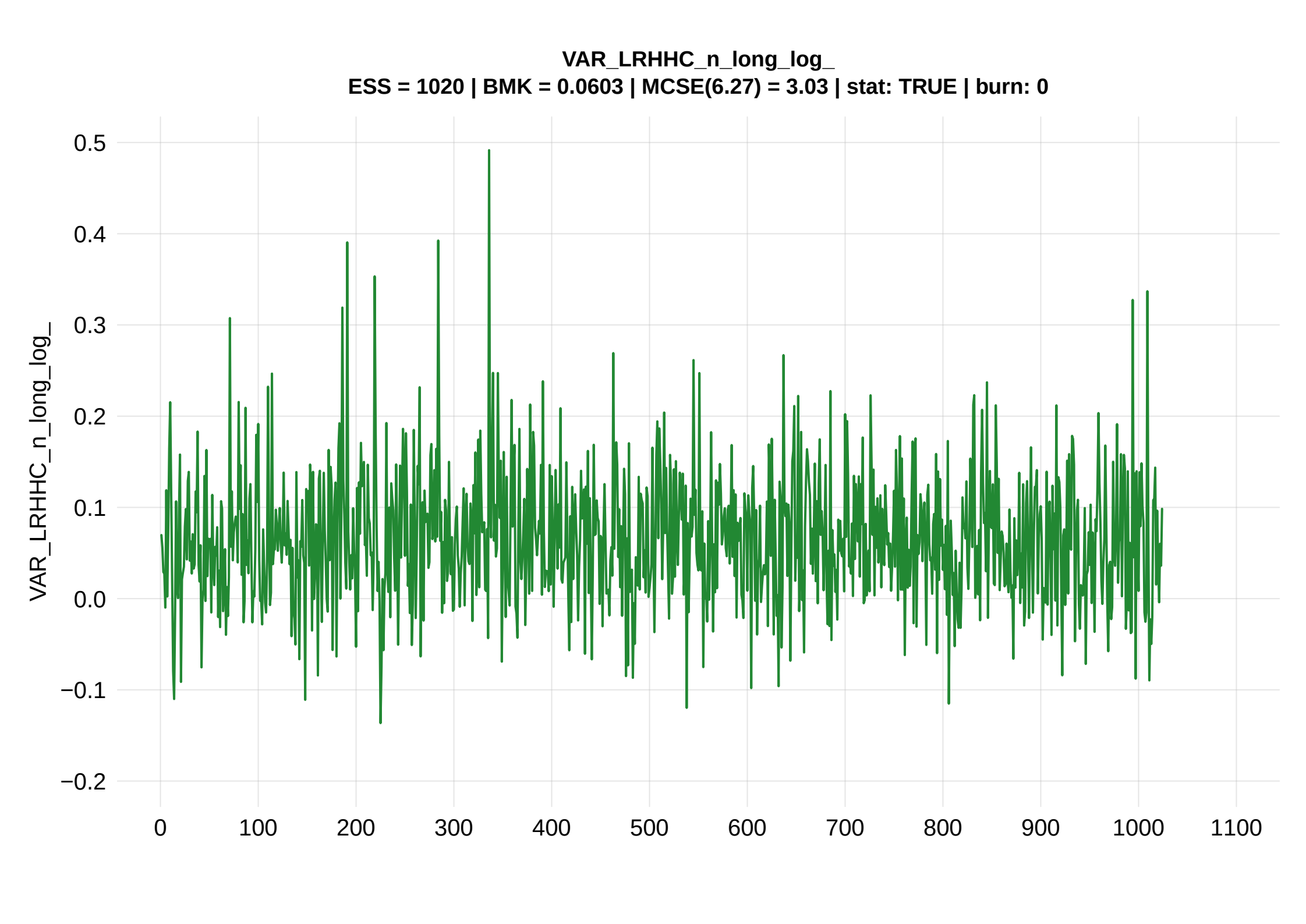

MEAN_CATANIMSC_neuro
ESS = 691 | BMK = 0.0573 | MCSE(6.27) = 3.75 | stat: TRUE | burn: 0
MEAN_CATANIMSC_neuro
17.4
17.3
17.2
17.1
17.0
16.9
16.8
16.7
16.6
16.5
16.4
16.3
0
100
200
300
400
500
600
700
800
900
1000
1100

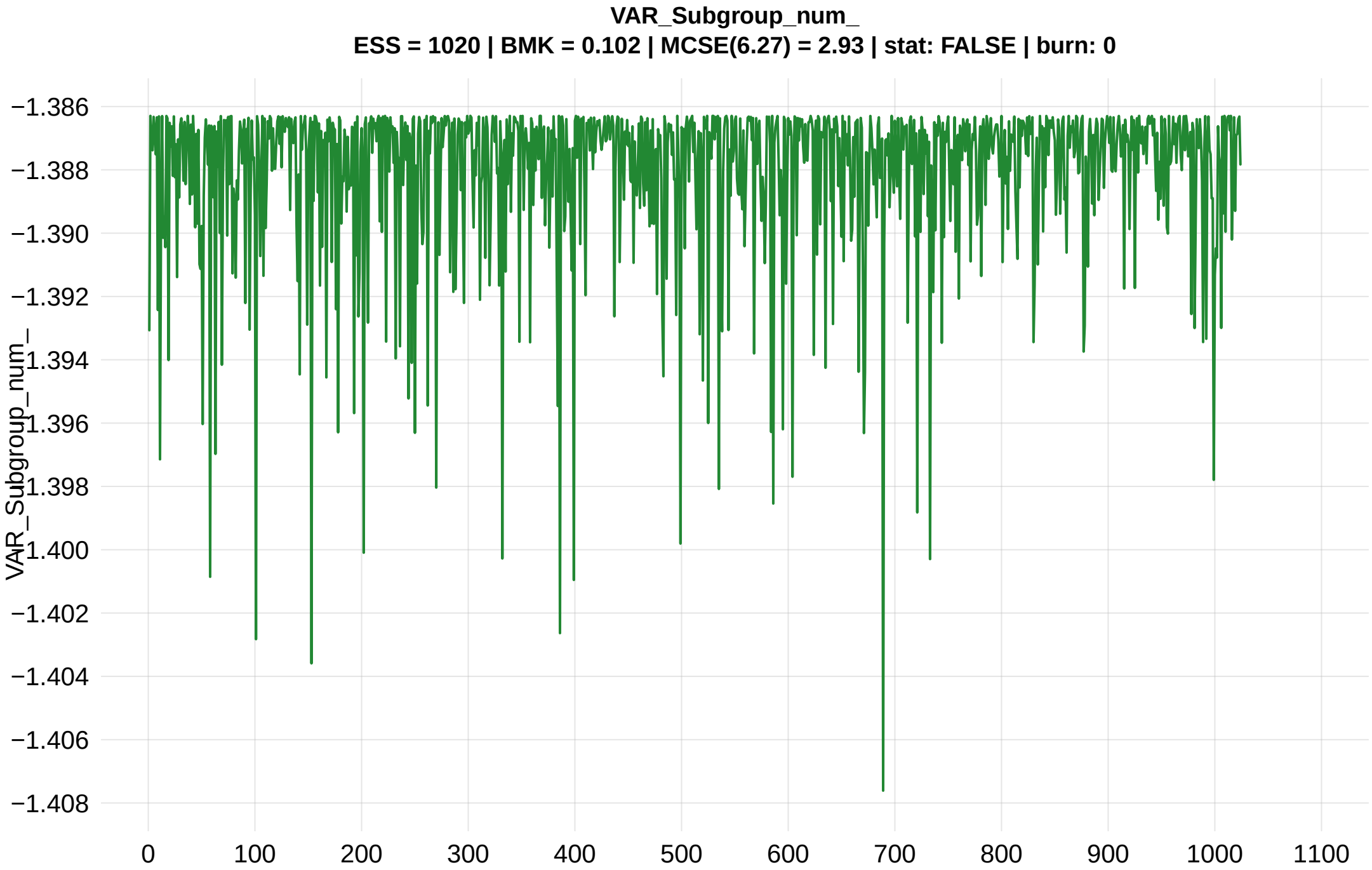

MEAN_Apoe4_
ESS = 815 | BMK = 0.0651 | MCSE(6.27) = 3.68 | stat: TRUE | burn: 0
MEAN_Apoe4_
0.62
0.60
0.58
0.56
0.54
0.52
0.50
0.48
0.46
0
100
200
300
400
500
600
700
800
900
1000
1100

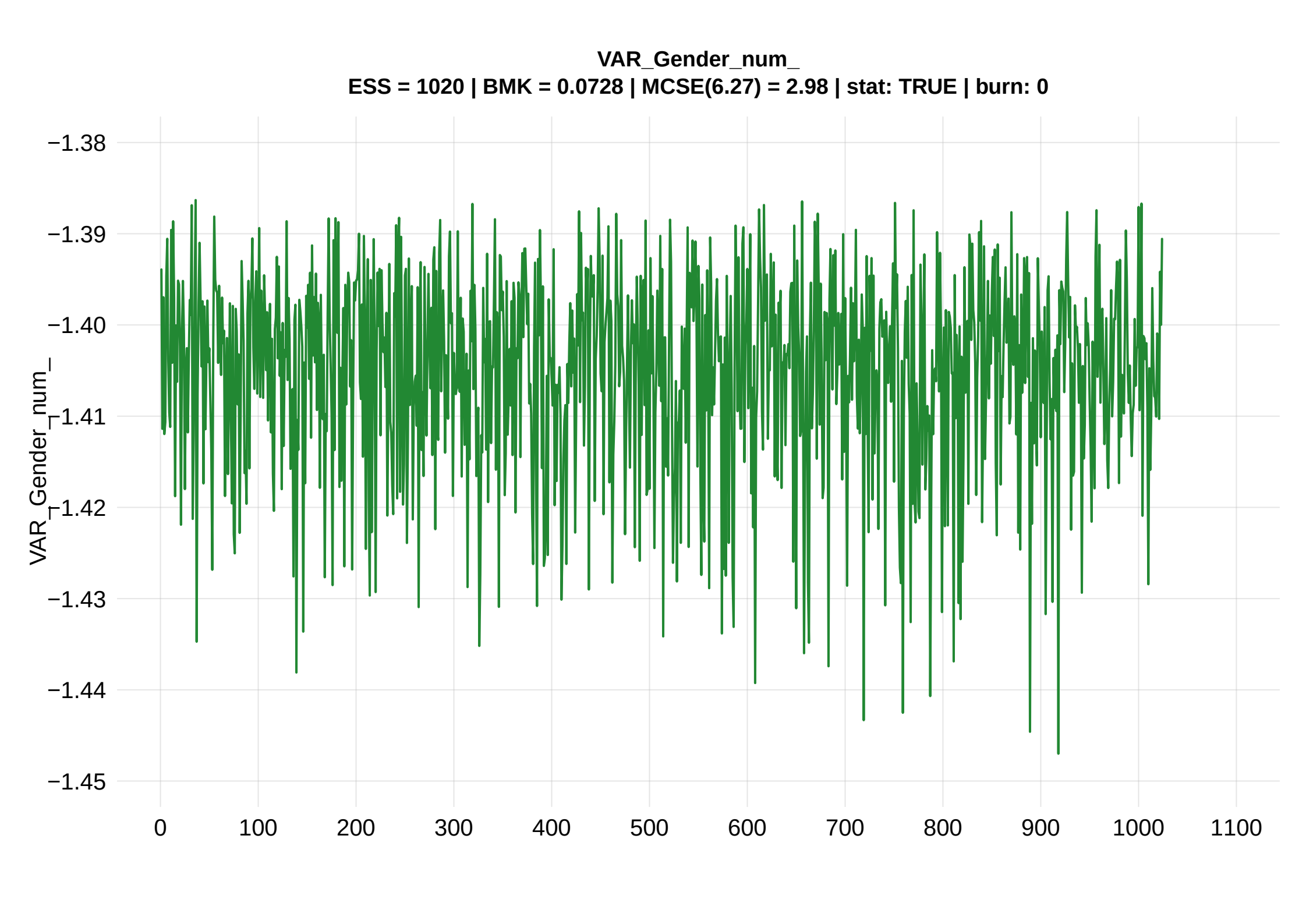

MEAN_GDTOTAL_gds
ESS = 1020 | BMK = 0.0496 | MCSE(6.27) = 3.16 | stat: TRUE | burn: 0
MEAN_GDTOTAL_gds
1.95
1.90
1.85
1.80
1.75
1.70
1.65
1.60
1.55
0
100
200
300
400
500
600
700
800
900
1000
1100

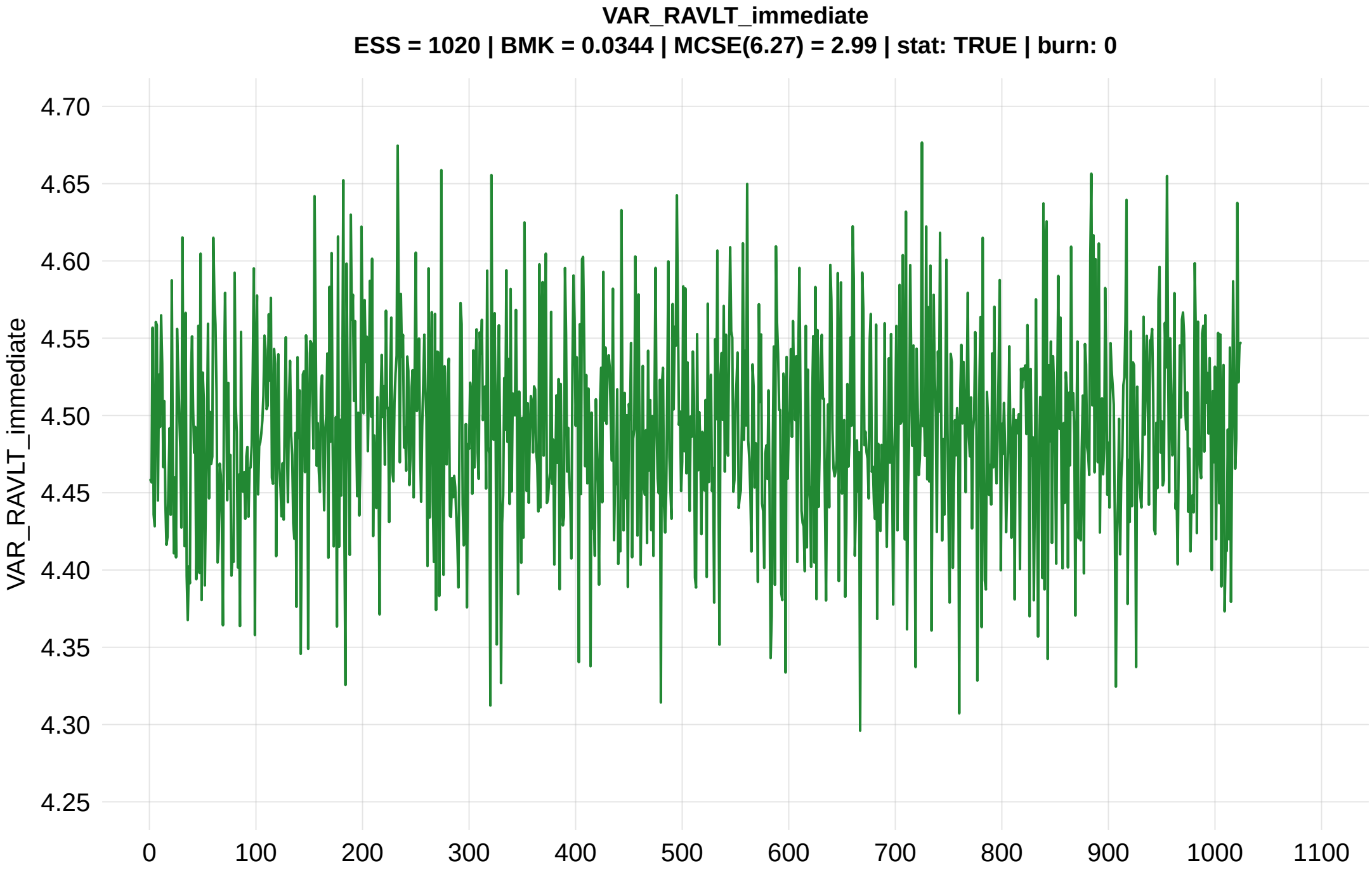

MEAN_ANARTERR_neuro
ESS = 1020 | BMK = 0.0531 | MCSE(6.27) = 2.11 | stat: TRUE | burn: 0
MEAN_ANARTERR_neuro
14.6
14.4
14.2
14.0
13.8
13.6
13.4
13.2
13.0
12.8
12.6
12.4
12.2
0
100
200
300
400
500
600
700
800
900
1000
1100

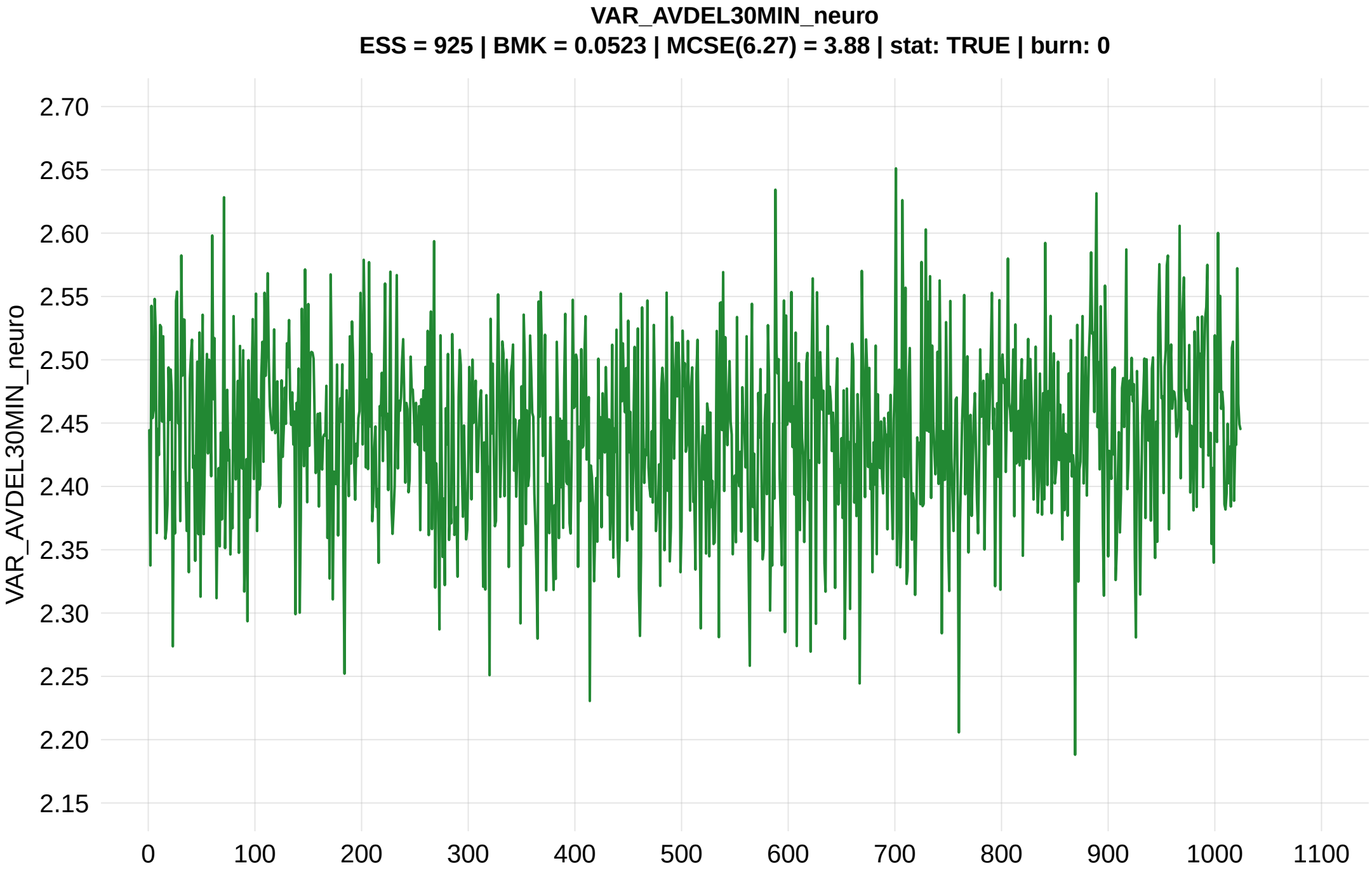

VAR_AGE_log_
ESS = 1020 | BMK = 0.0696 | MCSE(6.27) = 3.76 | stat: TRUE | burn: 0
VAR_AGE_log_
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
0
100
200
300
400
500
600
700
800
900
1000
1100

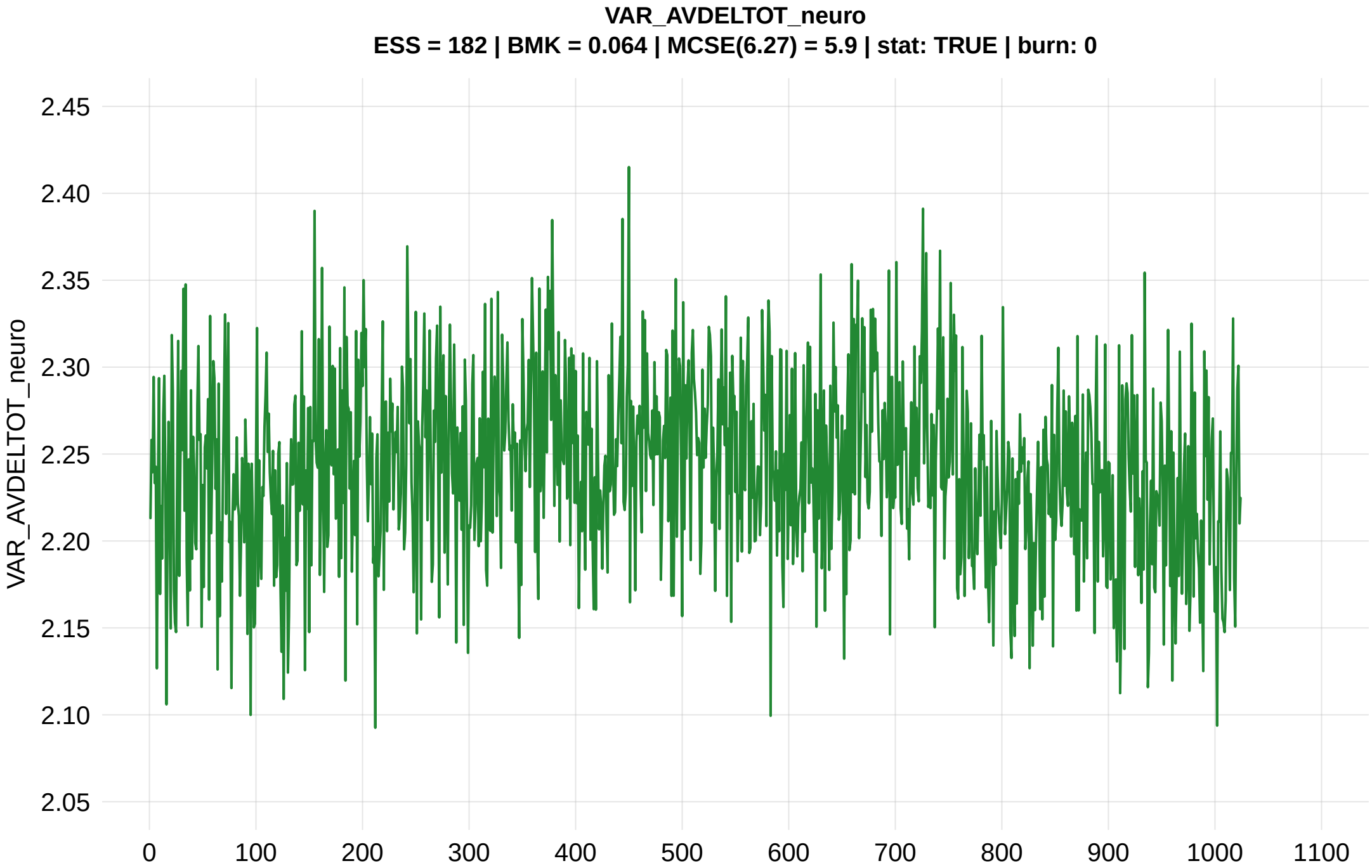

VAR_LRHHC_n_long_log_
ESS = 1020 | BMK = 0.0603 | MCSE(6.27) = 3.03 | stat: TRUE | burn: 0
VAR_LRHHC_n_long_log_
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400
500
600
700
800
900
1000
1100

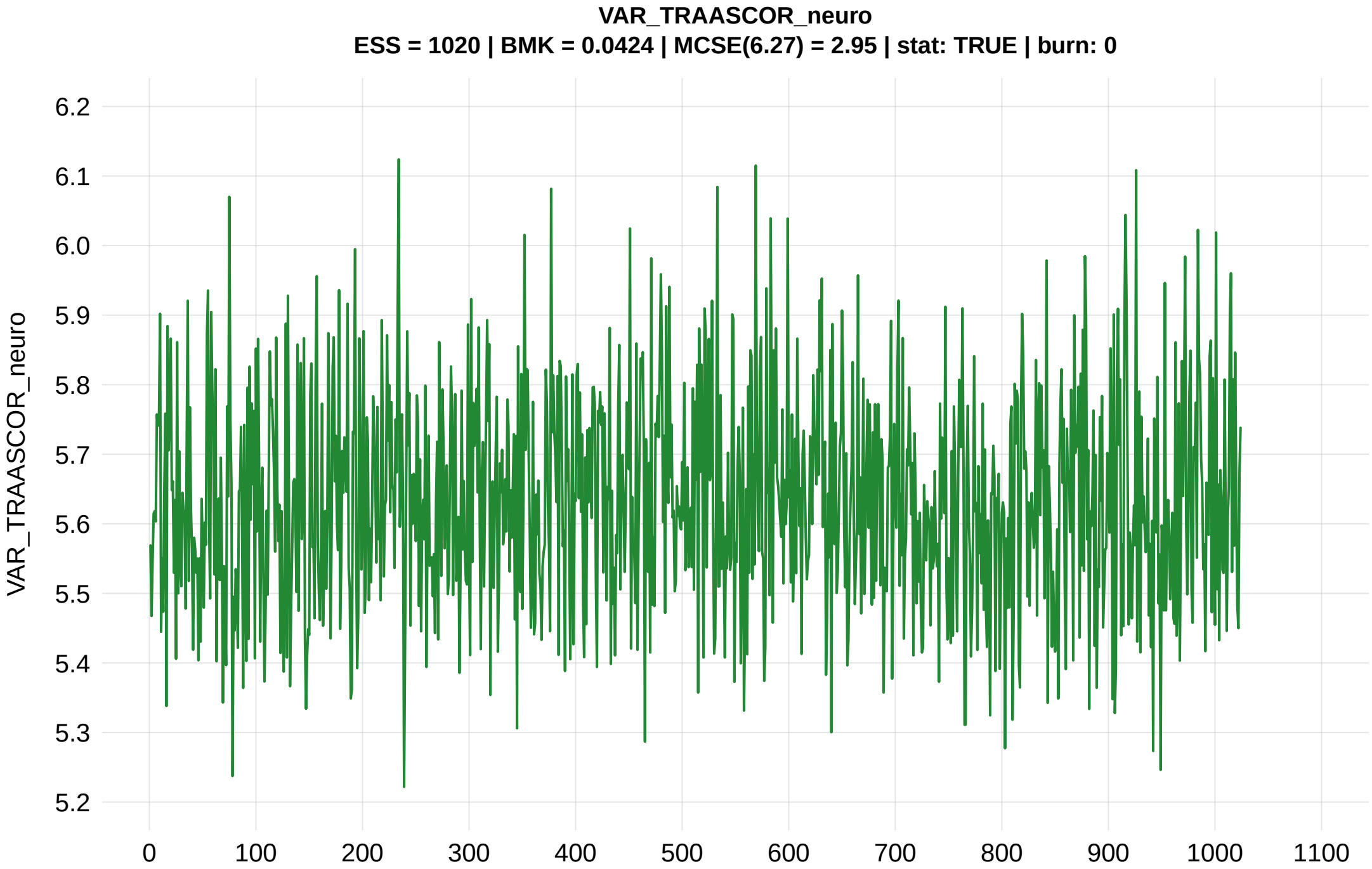

VAR_Subgroup_num_
ESS = 1020 | BMK = 0.102 | MCSE(6.27) = 2.93 | stat: FALSE | burn: 0
VAR_Subgroup_num_
−1.386
−1.388
−1.390
−1.392
−1.394
−1.396
−1.398
−1.400
−1.402
−1.404
−1.406
−1.408
0
100
200
300
400
500
600
700
800
900
1000
1100

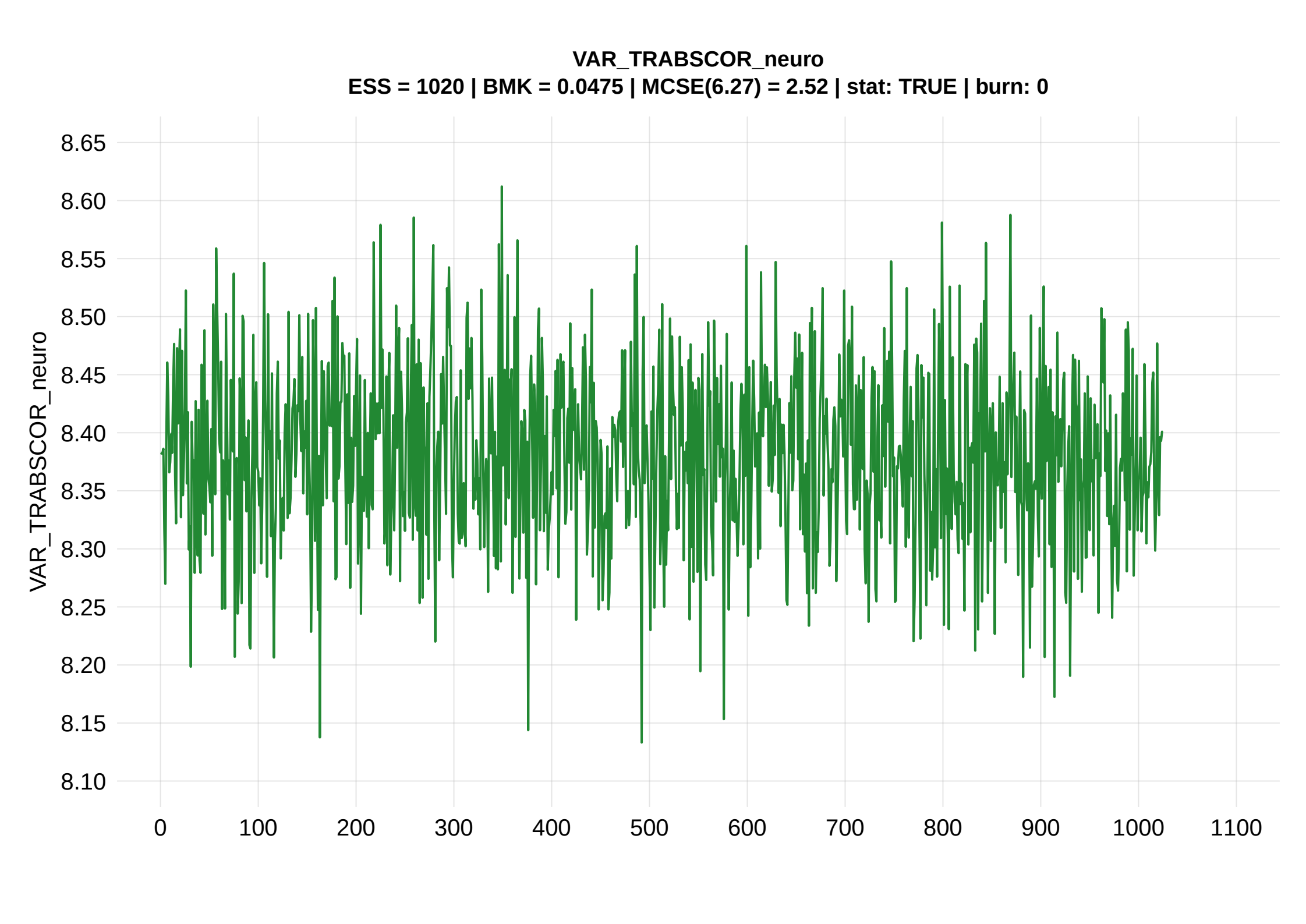

VAR_Gender_num_
ESS = 1020 | BMK = 0.0728 | MCSE(6.27) = 2.98 | stat: TRUE | burn: 0
VAR_Gender_num_
−1.38
−1.39
−1.40
−1.41
−1.42
−1.43
−1.44
−1.45
0
100
200
300
400
500
600
700
800
900
1000
1100

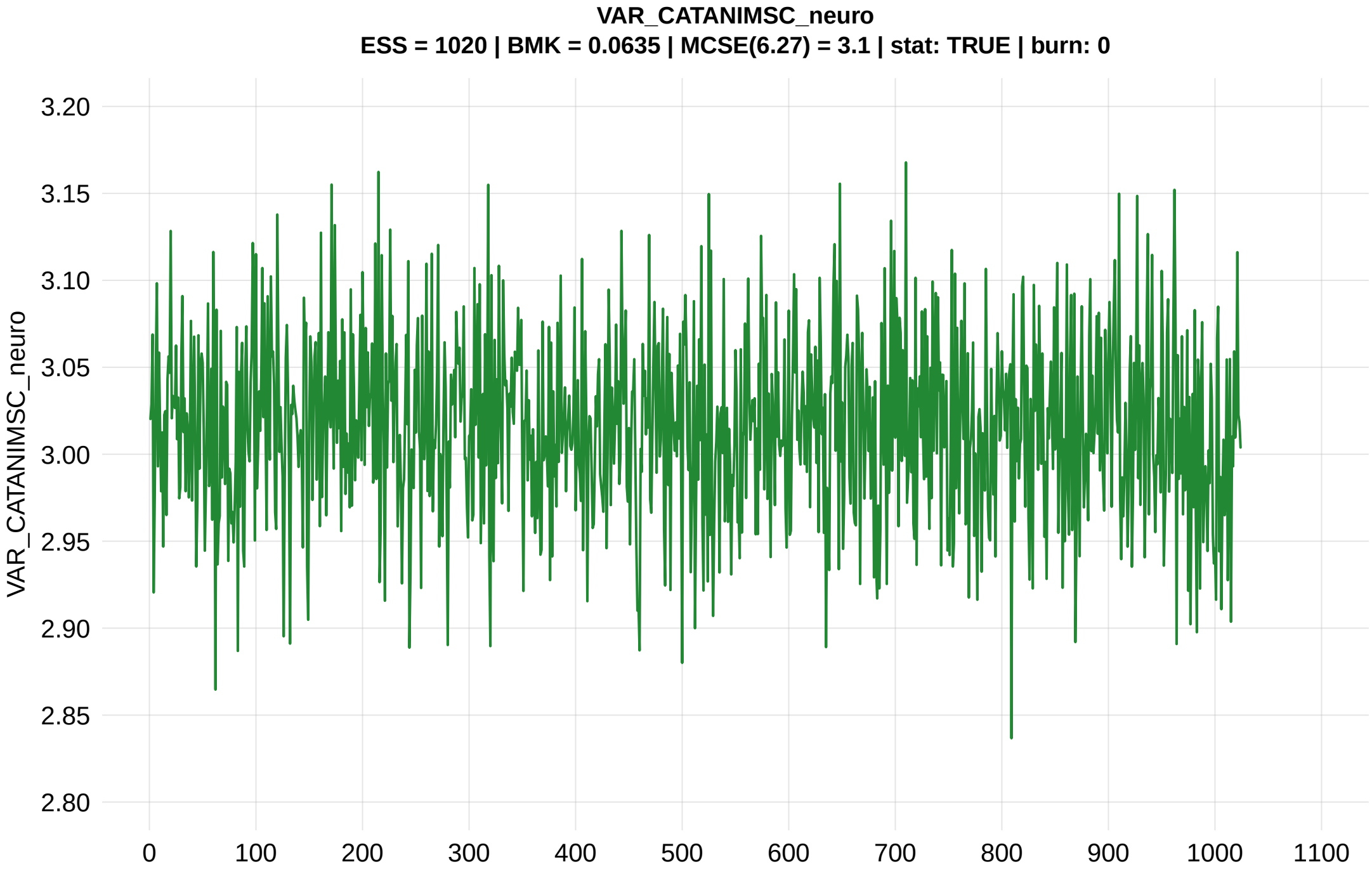

VAR_RAVLT_immediate
ESS = 1020 | BMK = 0.0344 | MCSE(6.27) = 2.99 | stat: TRUE | burn: 0
VAR_RAVLT_immediate
4.70
4.65
4.60
4.55
4.50
4.45
4.40
4.35
4.30
4.25
0
100
200
300
400
500
600
700
800
900
1000
1100

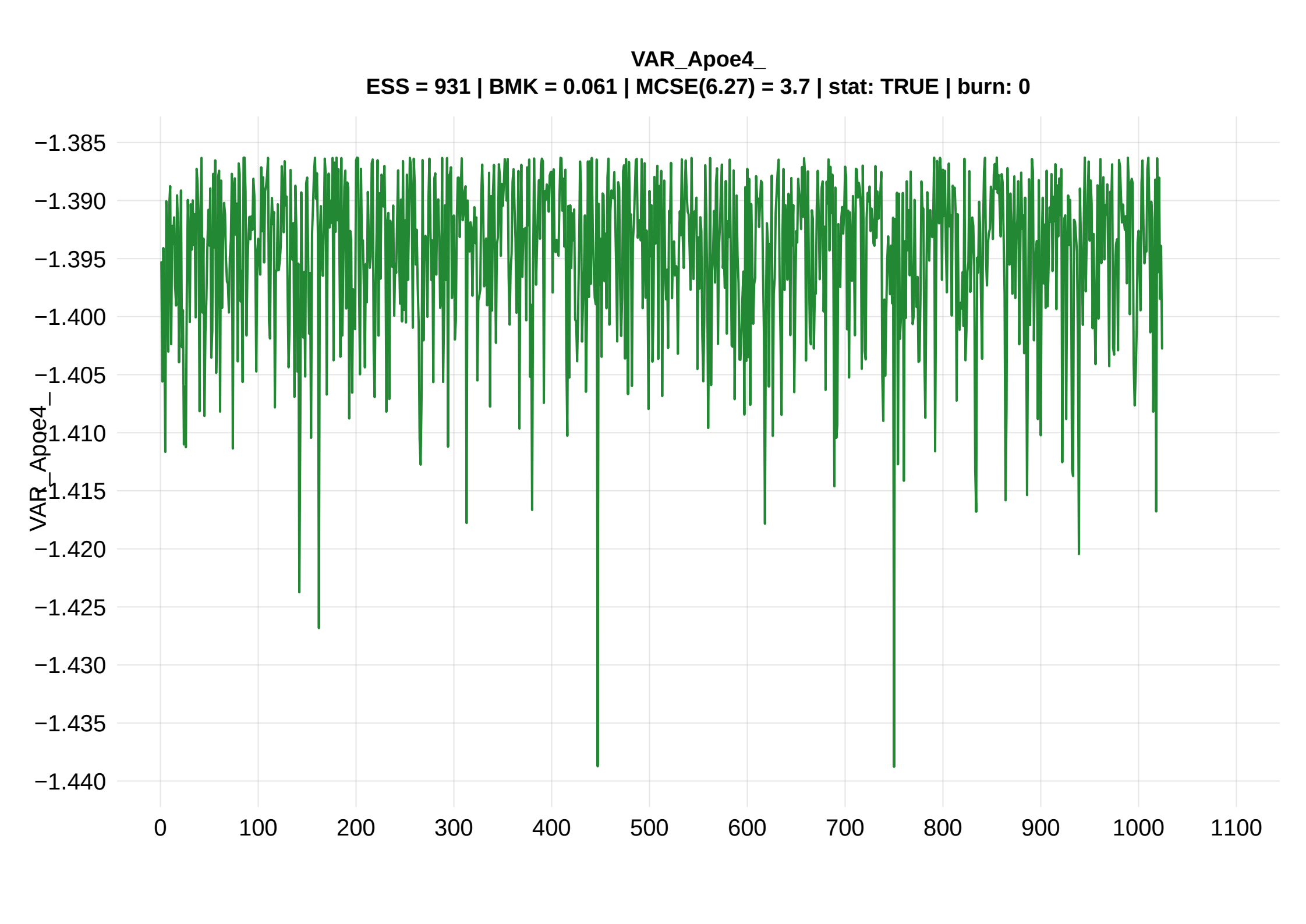

VAR_AVDEL30MIN_neuro
ESS = 925 | BMK = 0.0523 | MCSE(6.27) = 3.88 | stat: TRUE | burn: 0
VAR_AVDEL30MIN_neuro
2.70
2.65
2.60
2.55
2.50
2.45
2.40
2.35
2.30
2.25
2.20
2.15
0
100
200
300
400
500
600
700
800
900
1000
1100

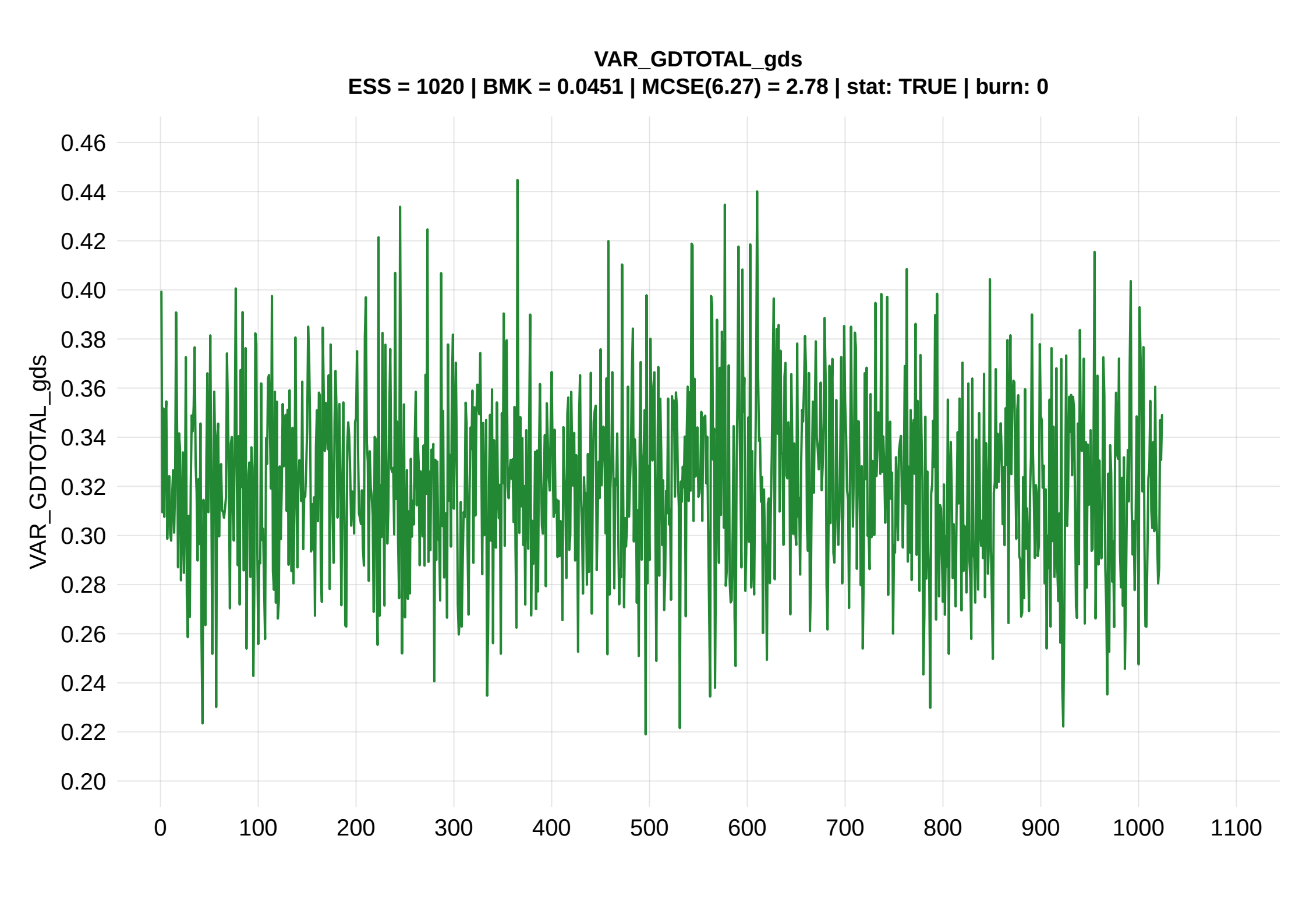

VAR_AVDELTOT_neuro
ESS = 182 | BMK = 0.064 | MCSE(6.27) = 5.9 | stat: TRUE | burn: 0
VAR_AVDELTOT_neuro
2.45
2.40
2.35
2.30
2.25
2.20
2.15
2.10
2.05
0
100
200
300
400
500
600
700
800
900
1000
1100

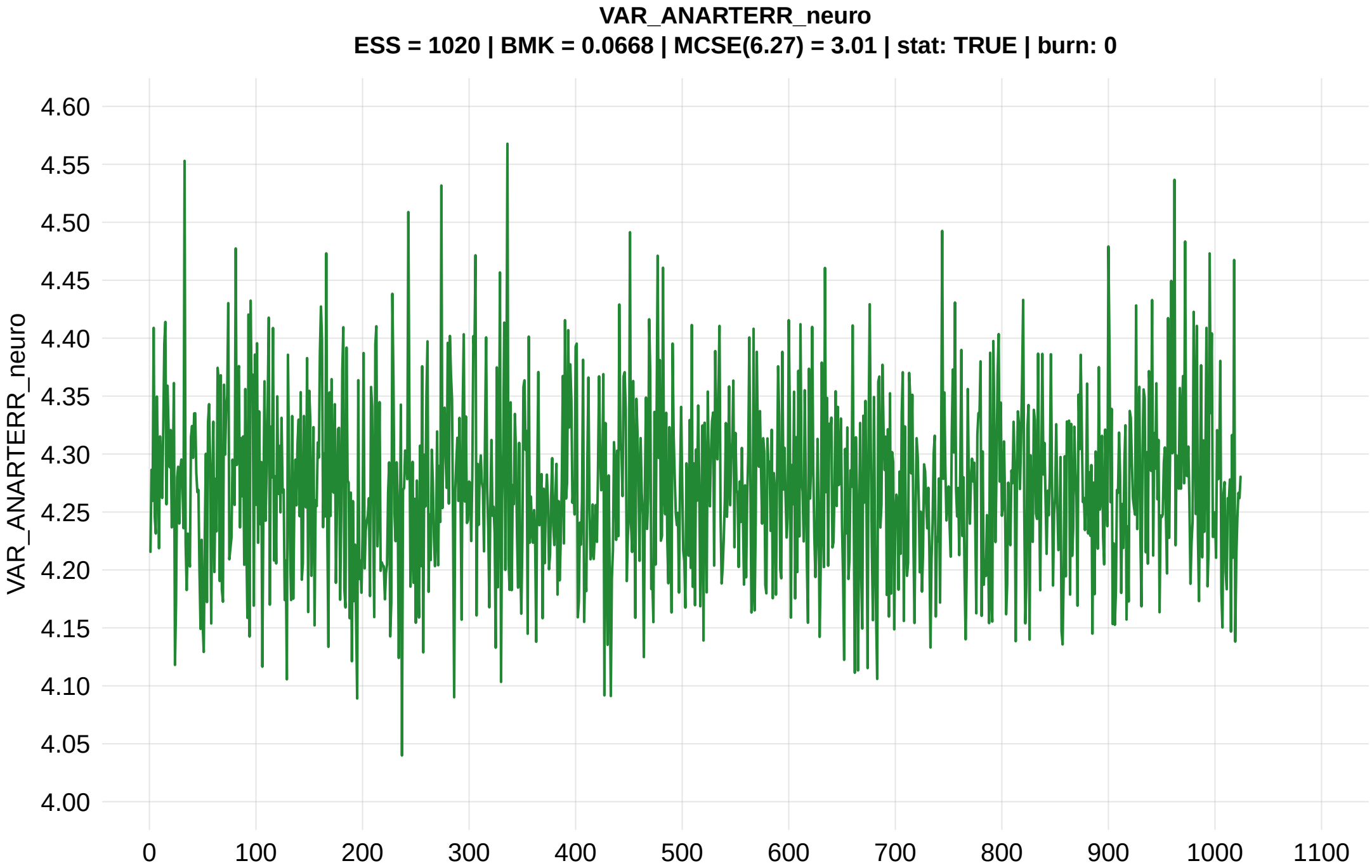

VAR_TRAASCOR_neuro
ESS = 1020 | BMK = 0.0424 | MCSE(6.27) = 2.95 | stat: TRUE | burn: 0
VAR_TRAASCOR_neuro
6.2
6.1
6.0
5.9
5.8
5.7
5.6
5.5
5.4
5.3
5.2
0
100
200
300
400
500
600
700
800
900
1000
1100

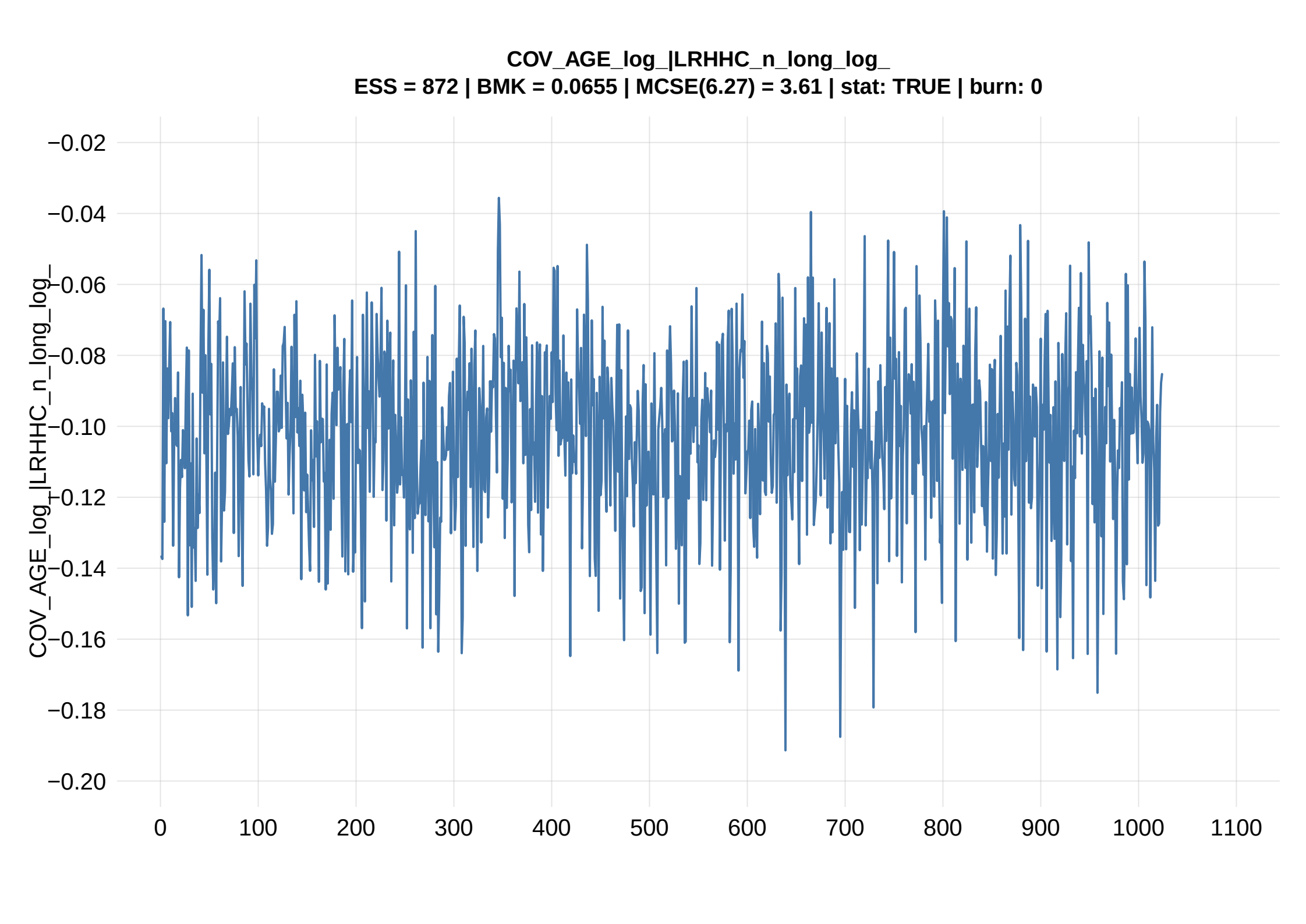

VAR_TRABSCOR_neuro
ESS = 1020 | BMK = 0.0475 | MCSE(6.27) = 2.52 | stat: TRUE | burn: 0
VAR_TRABSCOR_neuro
8.65
8.60
8.55
8.50
8.45
8.40
8.35
8.30
8.25
8.20
8.15
8.10
0
100
200
300
400
500
600
700
800
900
1000
1100

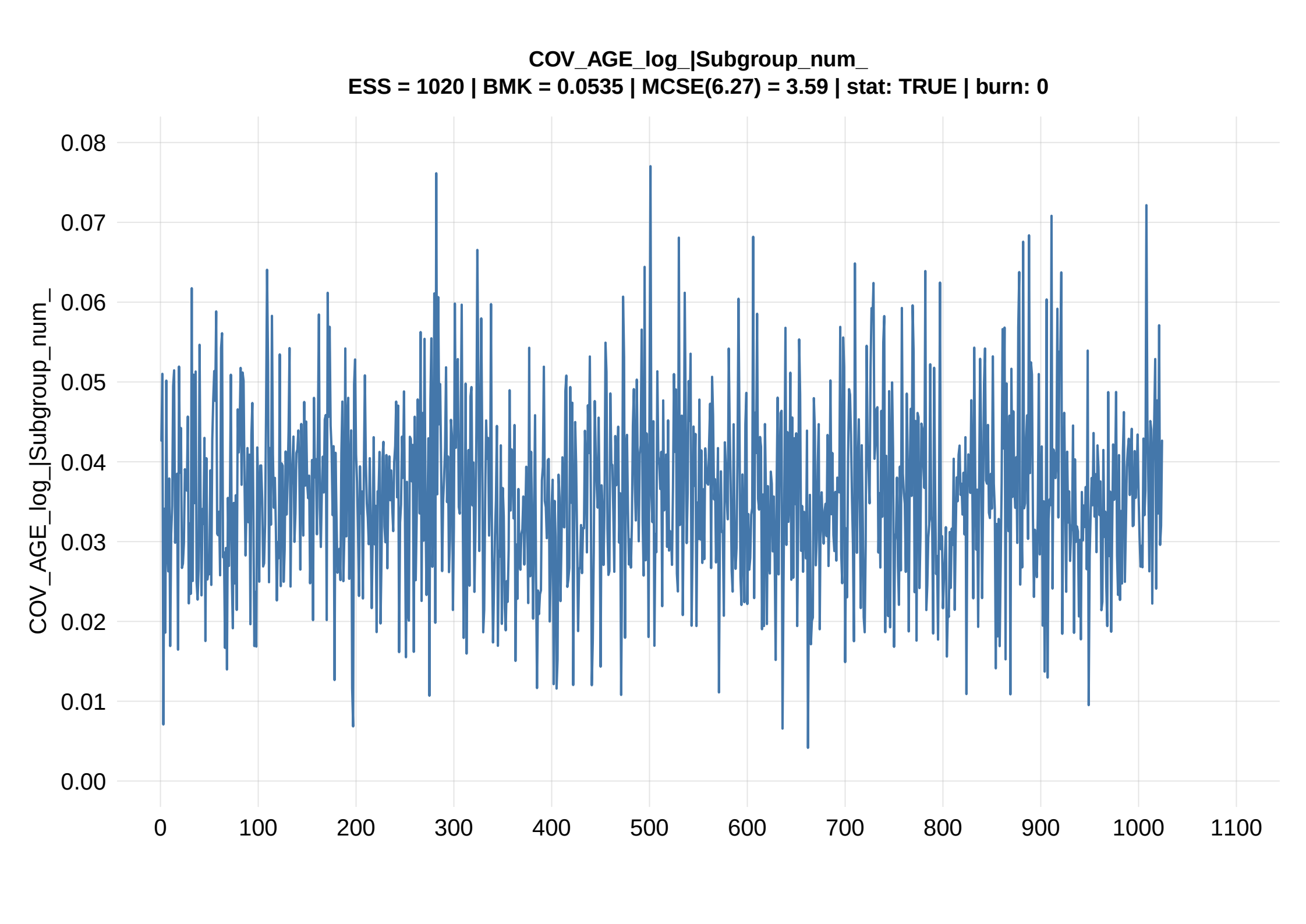

VAR_CATANIMSC_neuro
ESS = 1020 | BMK = 0.0635 | MCSE(6.27) = 3.1 | stat: TRUE | burn: 0
VAR_CATANIMSC_neuro
3.20
3.15
3.10
3.05
3.00
2.95
2.90
2.85
2.80
0
100
200
300
400
500
600
700
800
900
1000
1100

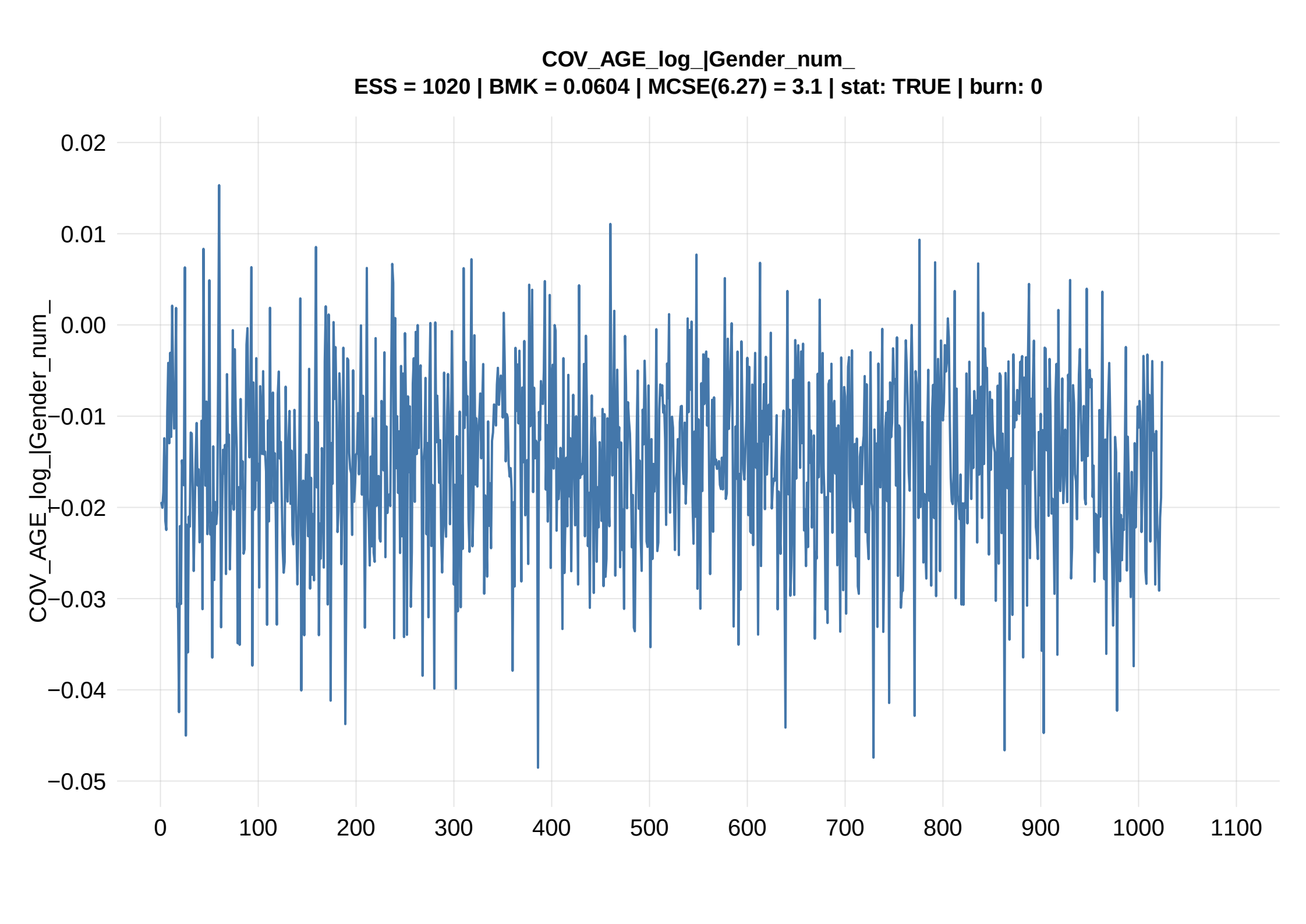

VAR_Apoe4_
ESS = 931 | BMK = 0.061 | MCSE(6.27) = 3.7 | stat: TRUE | burn: 0
VAR_Apoe4_
−1.385
−1.390
−1.395
−1.400
−1.405
−1.410
−1.415
−1.420
−1.425
−1.430
−1.435
−1.440
0
100
200
300
400
500
600
700
800
900
1000
1100

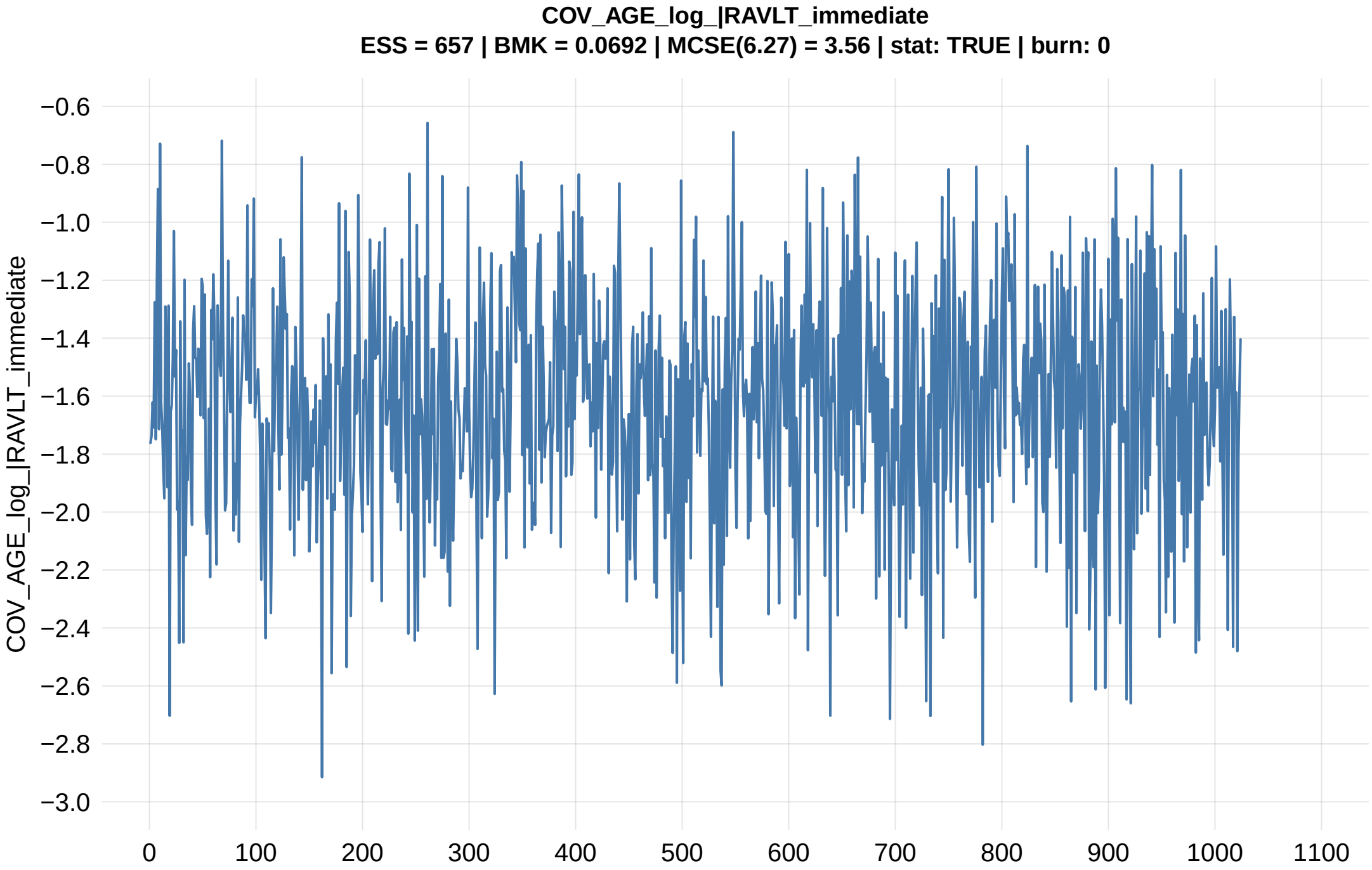

VAR_GDTOTAL_gds
ESS = 1020 | BMK = 0.0451 | MCSE(6.27) = 2.78 | stat: TRUE | burn: 0
VAR_GDTOTAL_gds
0.46
0.44
0.42
0.40
0.38
0.36
0.34
0.32
0.30
0.28
0.26
0.24
0.22
0.20
0
100
200
300
400
500
600
700
800
900
1000
1100

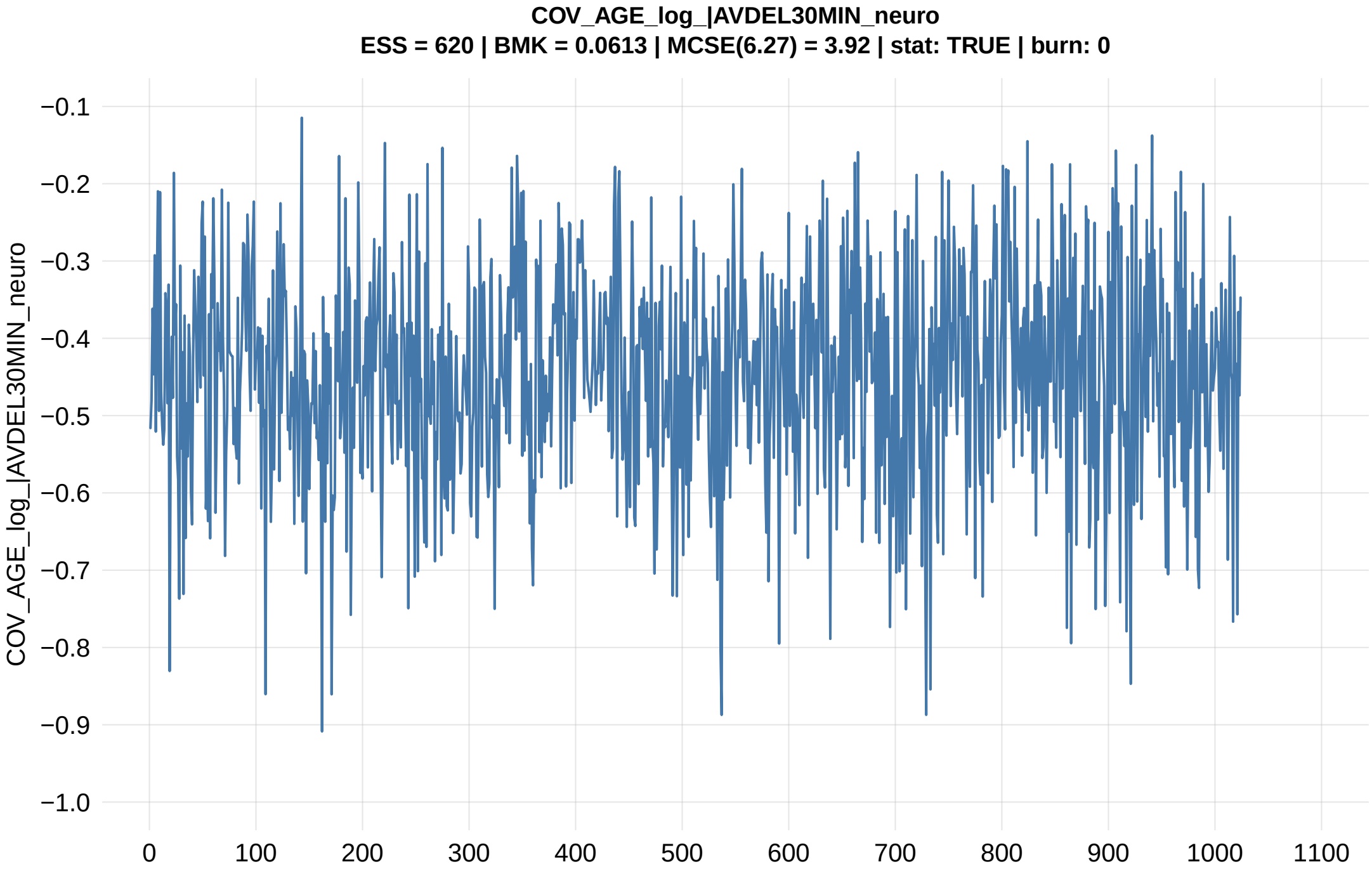

VAR_ANARTERR_neuro
ESS = 1020 | BMK = 0.0668 | MCSE(6.27) = 3.01 | stat: TRUE | burn: 0
VAR_ANARTERR_neuro
4.60
4.55
4.50
4.45
4.40
4.35
4.30
4.25
4.20
4.15
4.10
4.05
4.00
0
100
200
300
400
500
600
700
800
900
1000
1100

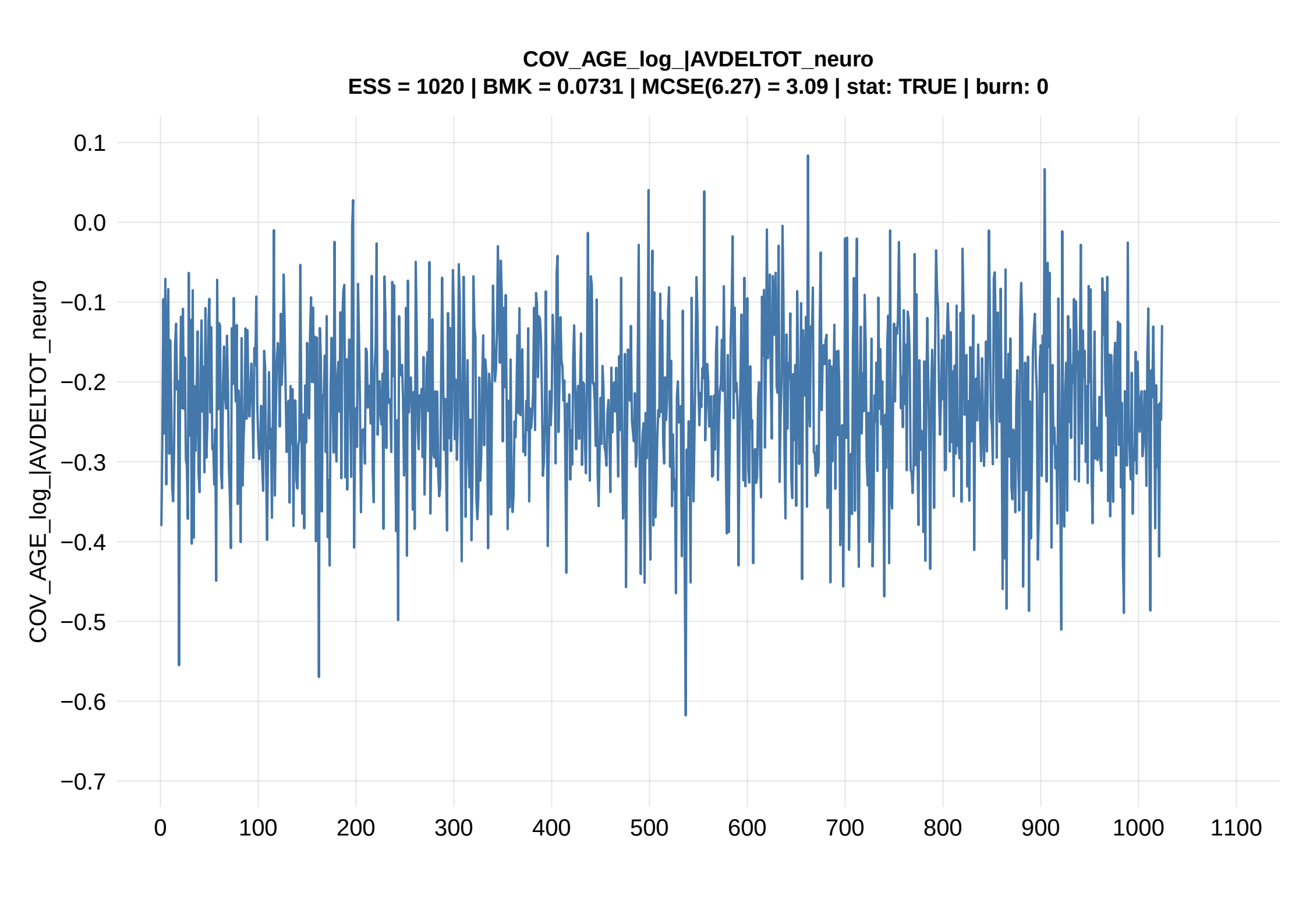

COV_AGE_log_|LRHHC_n_long_log_
ESS = 872 | BMK = 0.0655 | MCSE(6.27) = 3.61 | stat: TRUE | burn: 0
COV_AGE_log_|LRHHC_n_long_log_
−0.02
−0.04
−0.06
−0.08
−0.10
−0.12
−0.14
−0.16
−0.18
−0.20
0
100
200
300
400
500
600
700
800
900
1000
1100

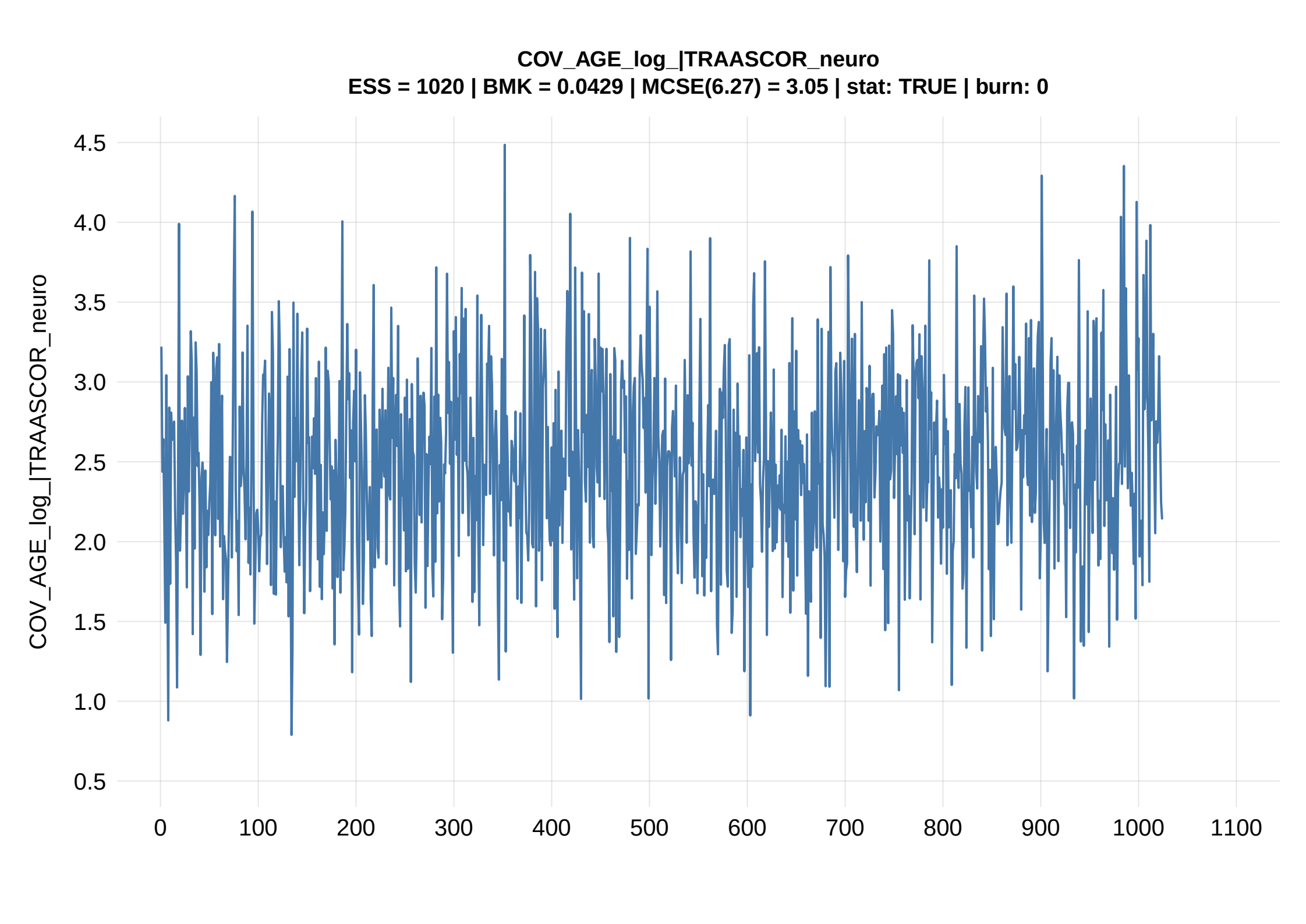

COV_AGE_log_|Subgroup_num_
ESS = 1020 | BMK = 0.0535 | MCSE(6.27) = 3.59 | stat: TRUE | burn: 0
COV_AGE_log_|Subgroup_num_
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0
100
200
300
400
500
600
700
800
900
1000
1100

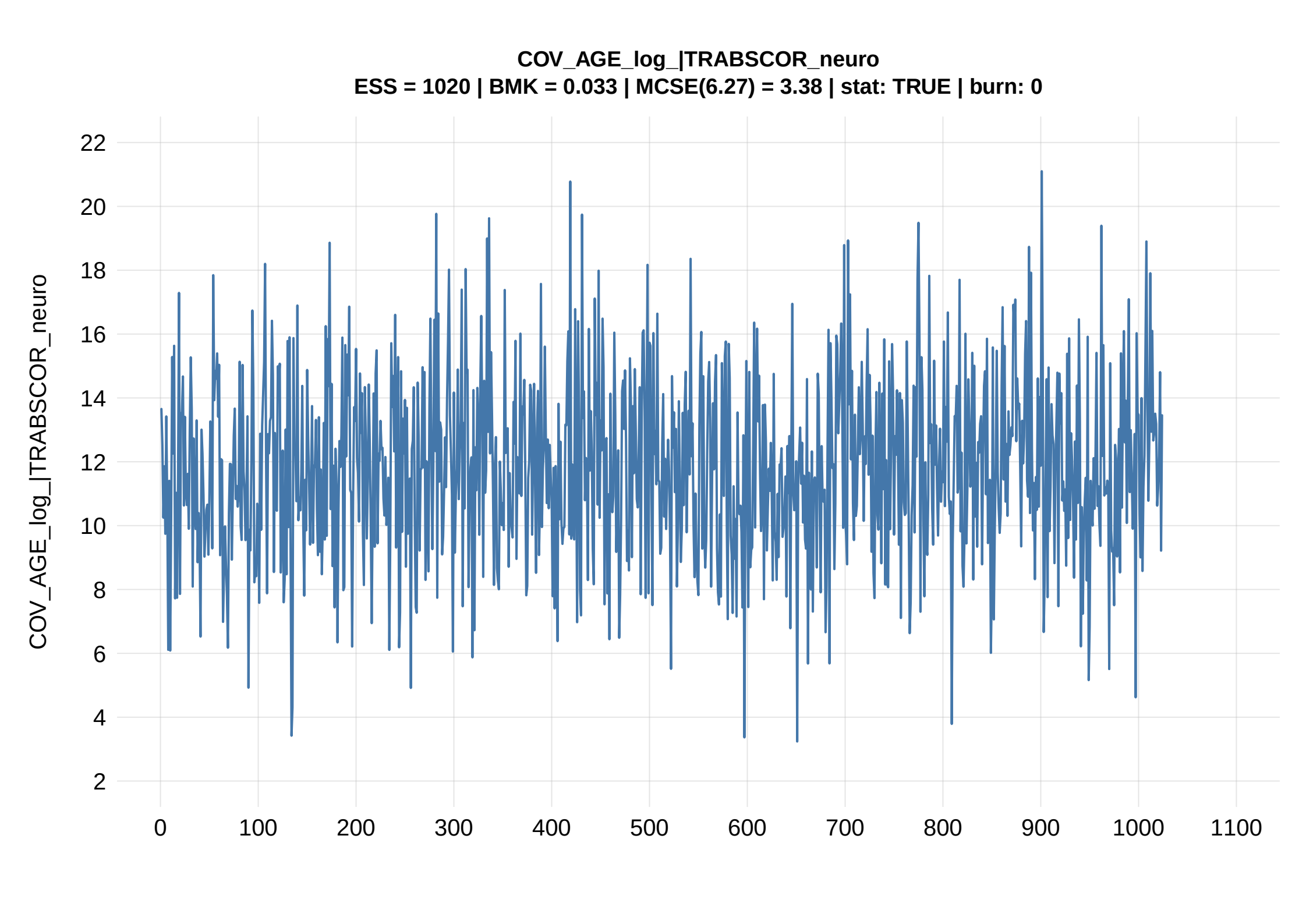

COV_AGE_log_|Gender_num_
ESS = 1020 | BMK = 0.0604 | MCSE(6.27) = 3.1 | stat: TRUE | burn: 0
COV_AGE_log_|Gender_num_
0.02
0.01
0.00
−0.01
−0.02
−0.03
−0.04
−0.05
0
100
200
300
400
500
600
700
800
900
1000
1100

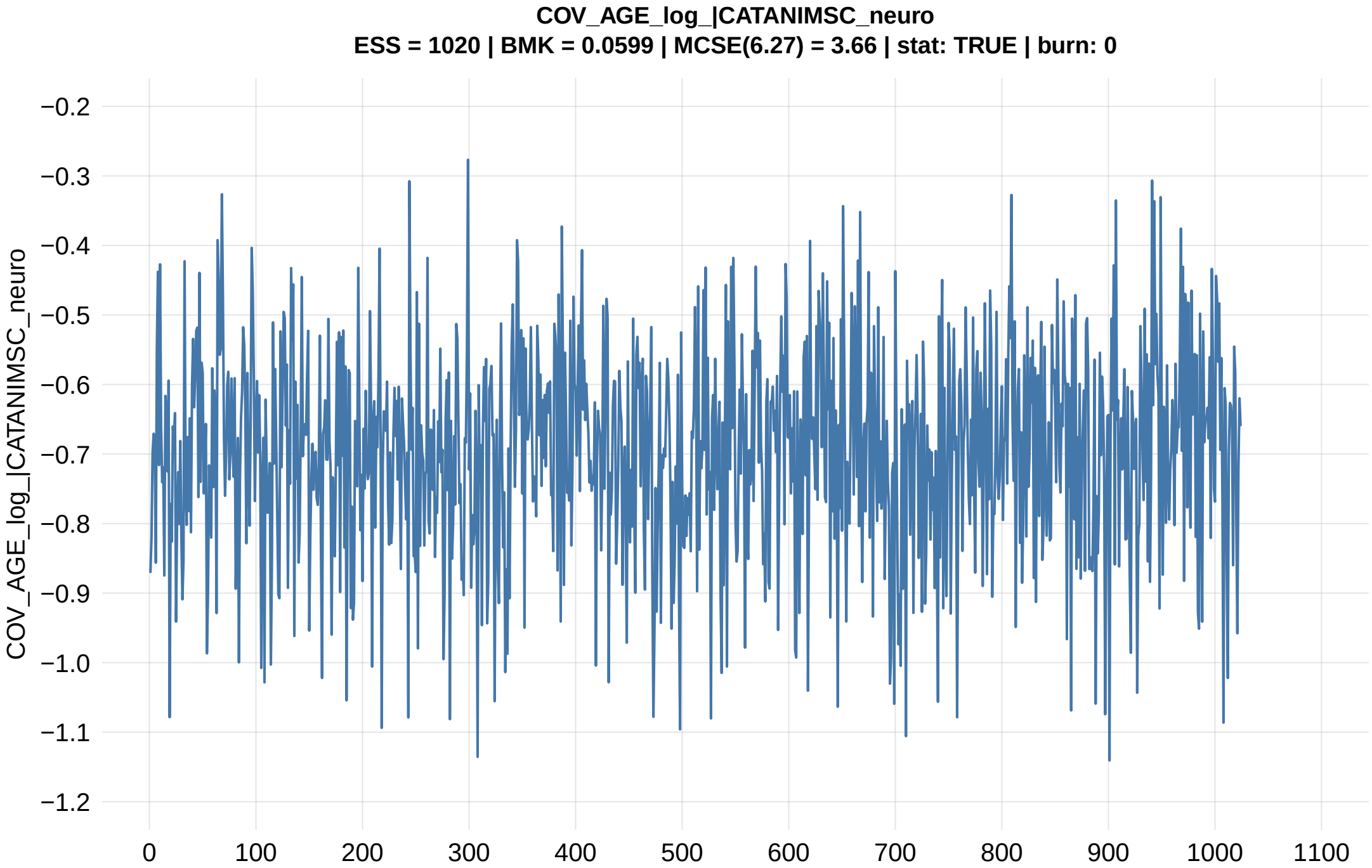

COV_AGE_log_|RAVLT_immediate
ESS = 657 | BMK = 0.0692 | MCSE(6.27) = 3.56 | stat: TRUE | burn: 0
COV_AGE_log_|RAVLT_immediate
−0.6
−0.8
−1.0
−1.2
−1.4
−1.6
−1.8
−2.0
−2.2
−2.4
−2.6
−2.8
−3.0
0
100
200
300
400
500
600
700
800
900
1000
1100

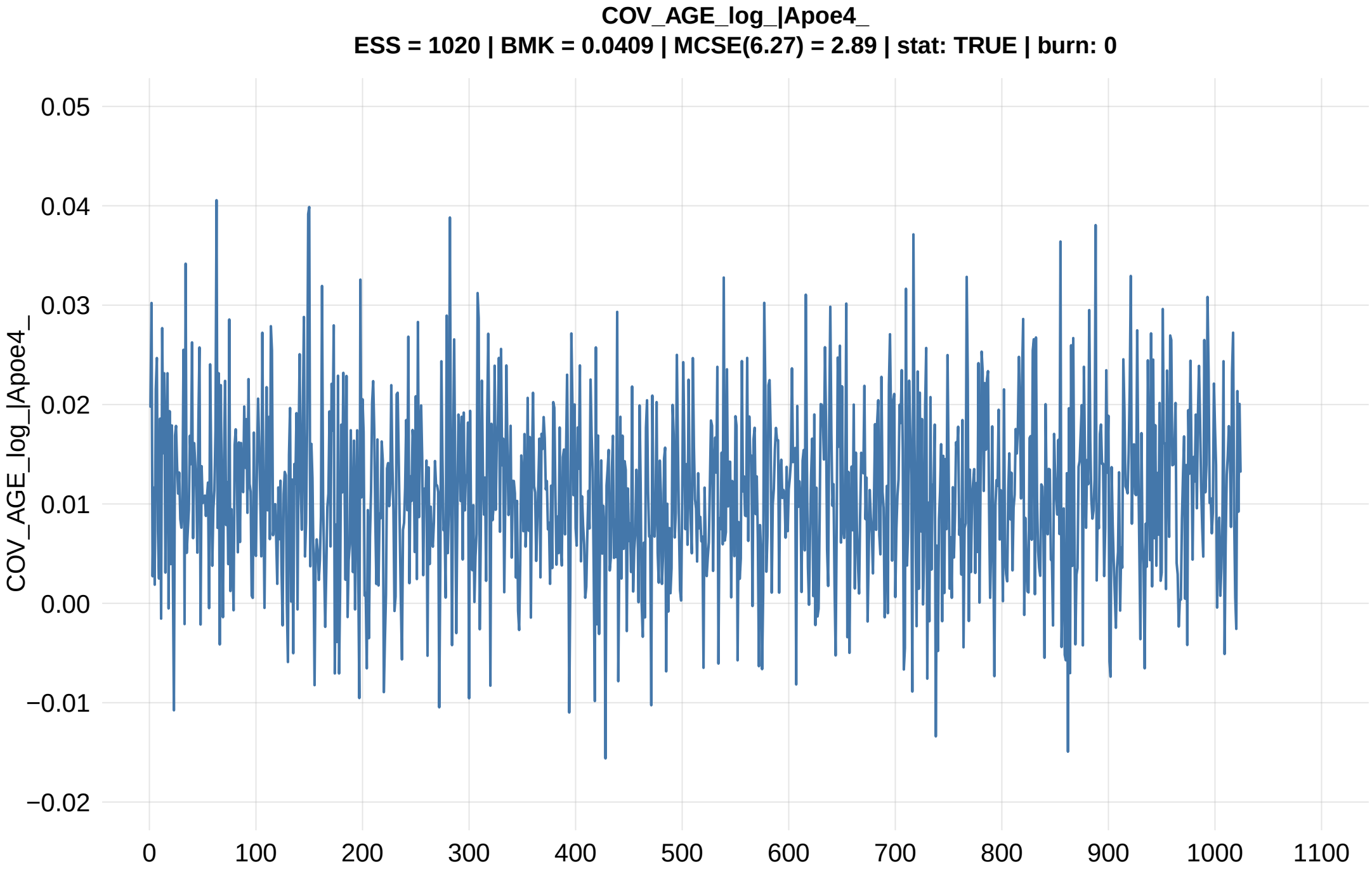

COV_AGE_log_|AVDEL30MIN_neuro
ESS = 620 | BMK = 0.0613 | MCSE(6.27) = 3.92 | stat: TRUE | burn: 0
COV_AGE_log_|AVDEL30MIN_neuro
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
−1.0
0
100
200
300
400
500
600
700
800
900
1000
1100

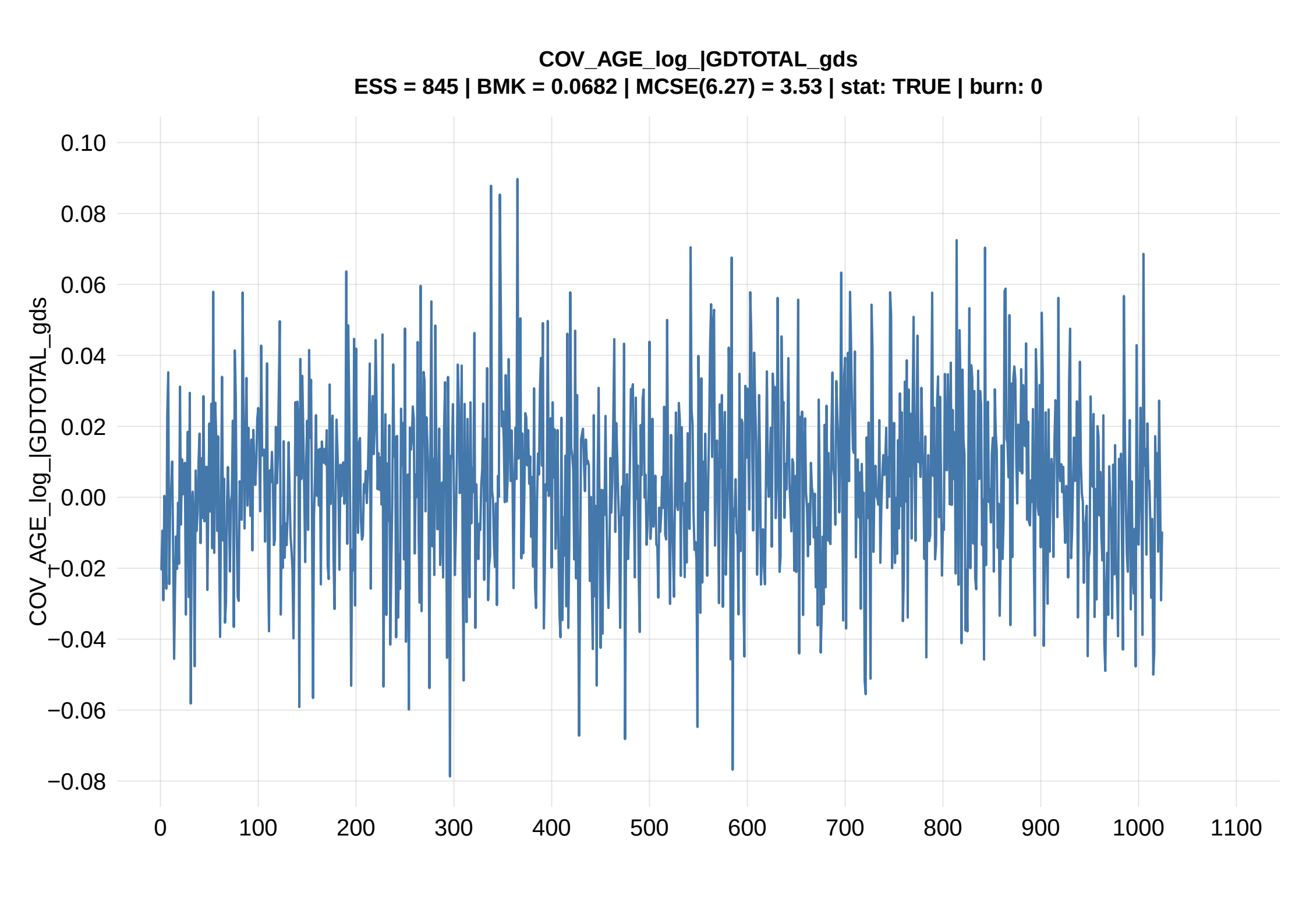

COV_AGE_log_|AVDELTOT_neuro
ESS = 1020 | BMK = 0.0731 | MCSE(6.27) = 3.09 | stat: TRUE | burn: 0
COV_AGE_log_|AVDELTOT_neuro
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400
500
600
700
800
900
1000
1100

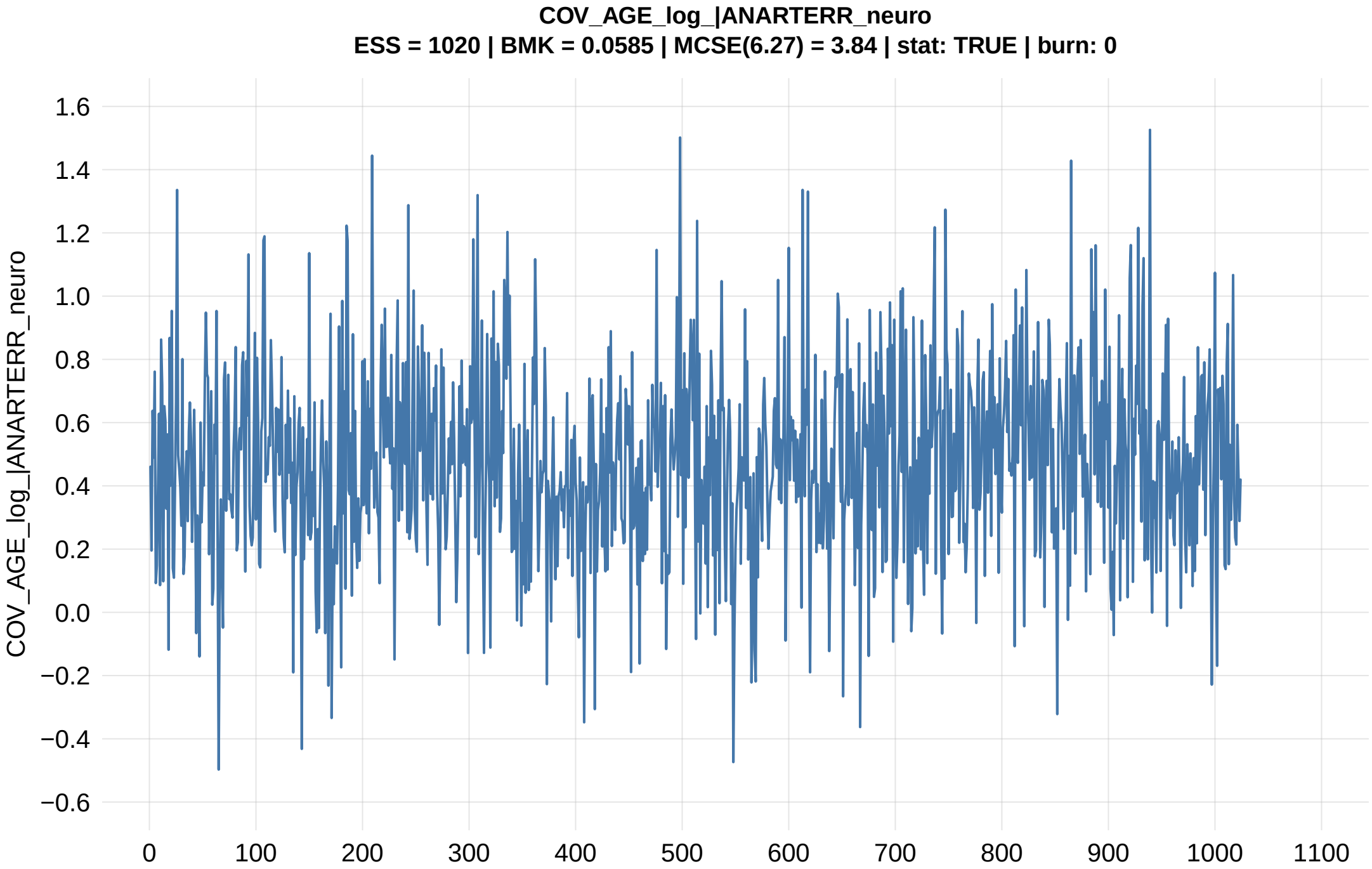

COV_AGE_log_|TRAASCOR_neuro
ESS = 1020 | BMK = 0.0429 | MCSE(6.27) = 3.05 | stat: TRUE | burn: 0
COV_AGE_log_|TRAASCOR_neuro
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0
100
200
300
400
500
600
700
800
900
1000
1100

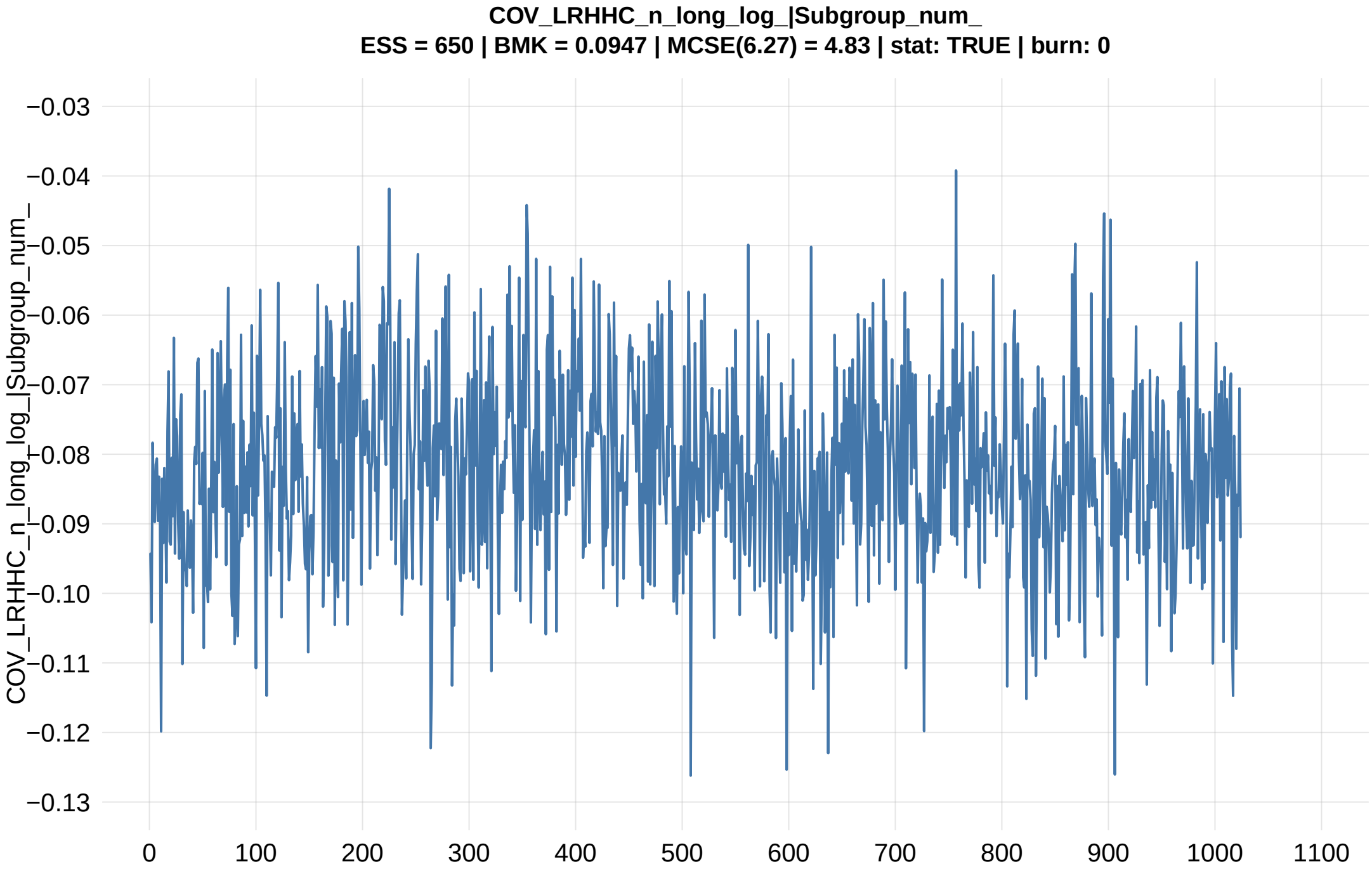

COV_AGE_log_|TRABSCOR_neuro
ESS = 1020 | BMK = 0.033 | MCSE(6.27) = 3.38 | stat: TRUE | burn: 0
COV_AGE_log_|TRABSCOR_neuro
22
20
18
16
14
12
10
8
6
4
2
0
100
200
300
400
500
600
700
800
900
1000
1100

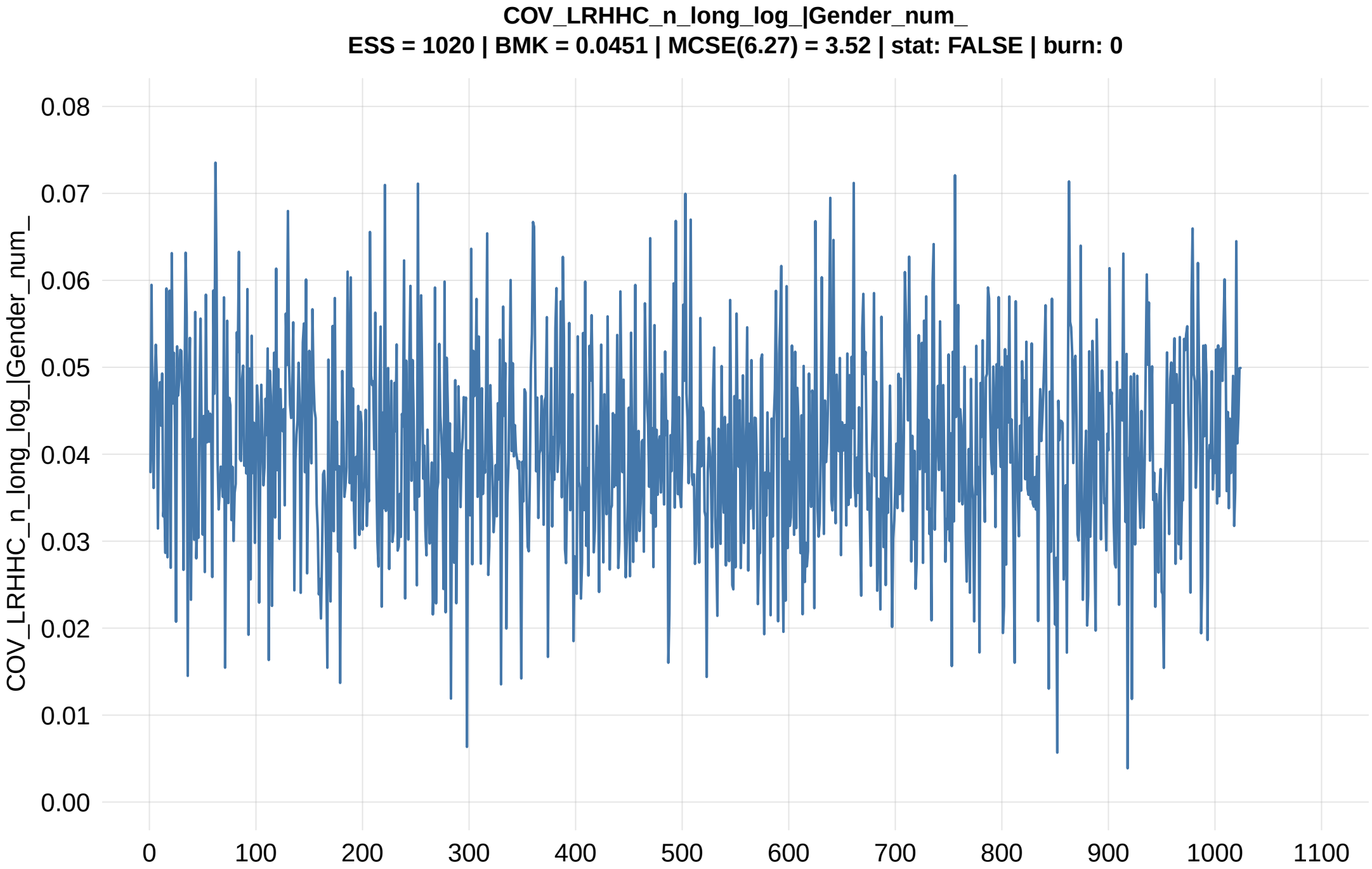

COV_AGE_log_|CATANIMSC_neuro
ESS = 1020 | BMK = 0.0599 | MCSE(6.27) = 3.66 | stat: TRUE | burn: 0
COV_AGE_log_|CATANIMSC_neuro
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
−1.0
−1.1
−1.2
0
100
200
300
400
500
600
700
800
900
1000
1100

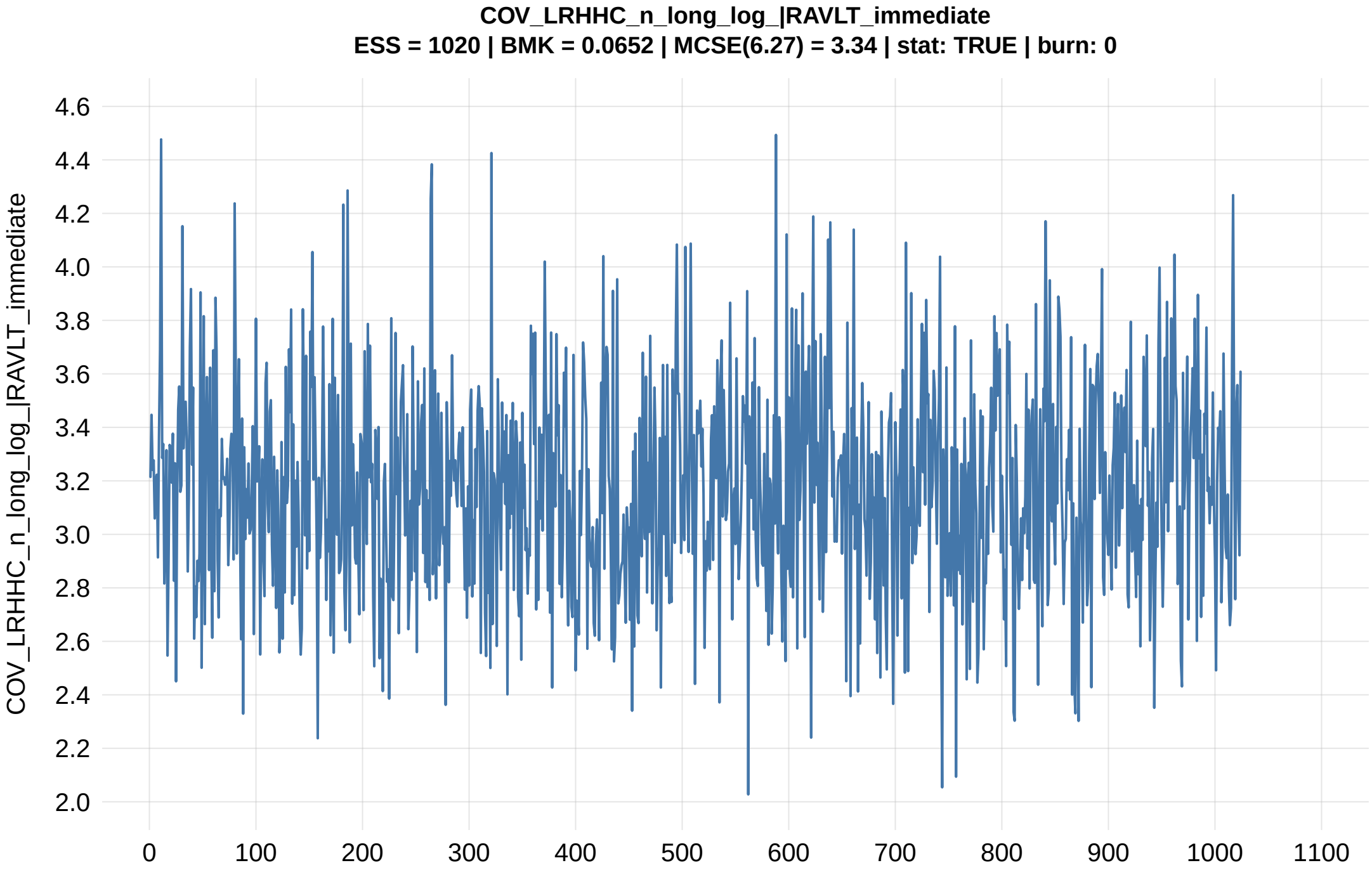

COV_AGE_log_|Apoe4_
ESS = 1020 | BMK = 0.0409 | MCSE(6.27) = 2.89 | stat: TRUE | burn: 0
COV_AGE_log_|Apoe4_
0.05
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
0
100
200
300
400
500
600
700
800
900
1000
1100

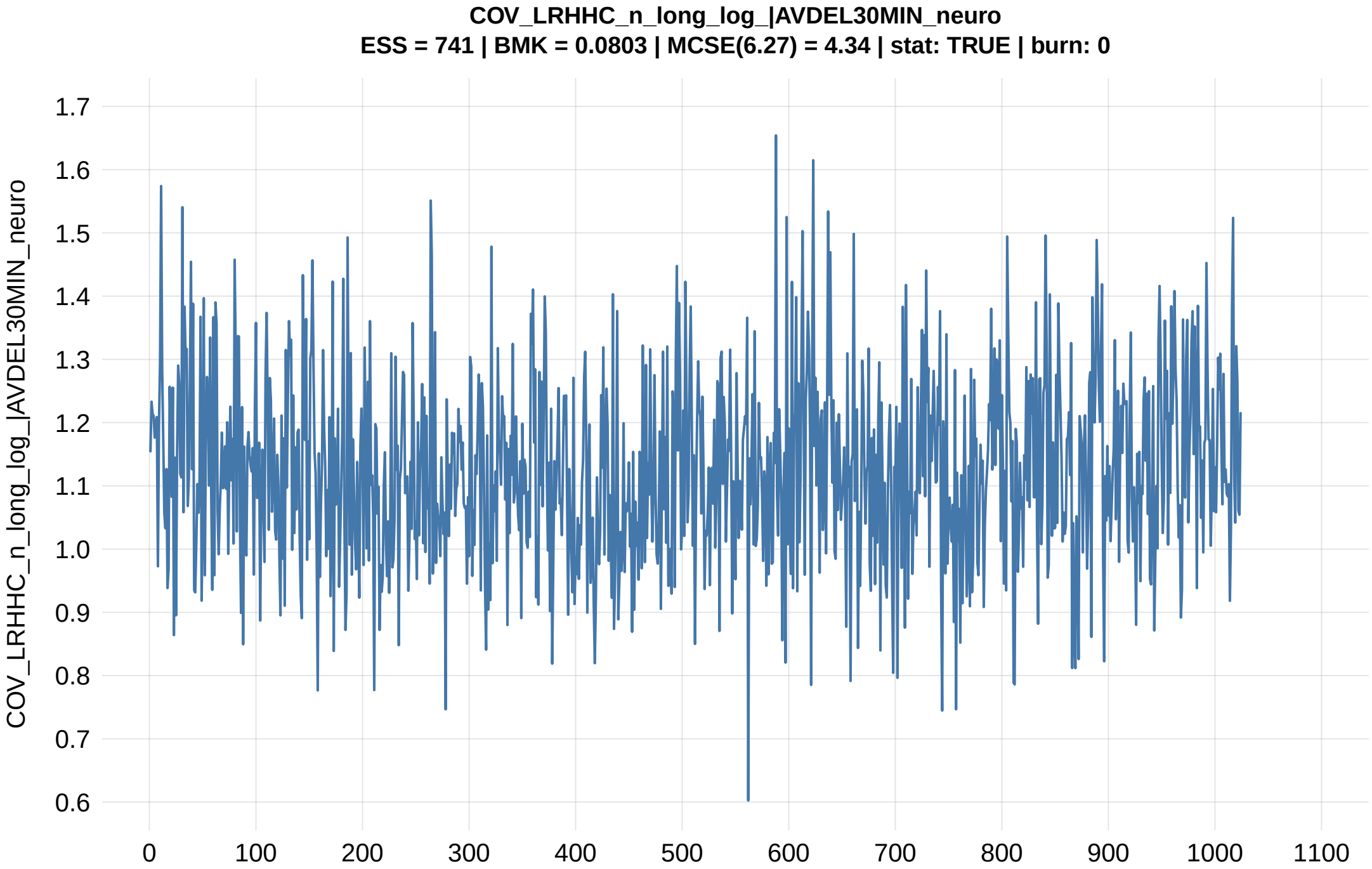

COV_AGE_log_|GDTOTAL_gds
ESS = 845 | BMK = 0.0682 | MCSE(6.27) = 3.53 | stat: TRUE | burn: 0
COV_AGE_log_|GDTOTAL_gds
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08
0
100
200
300
400
500
600
700
800
900
1000
1100

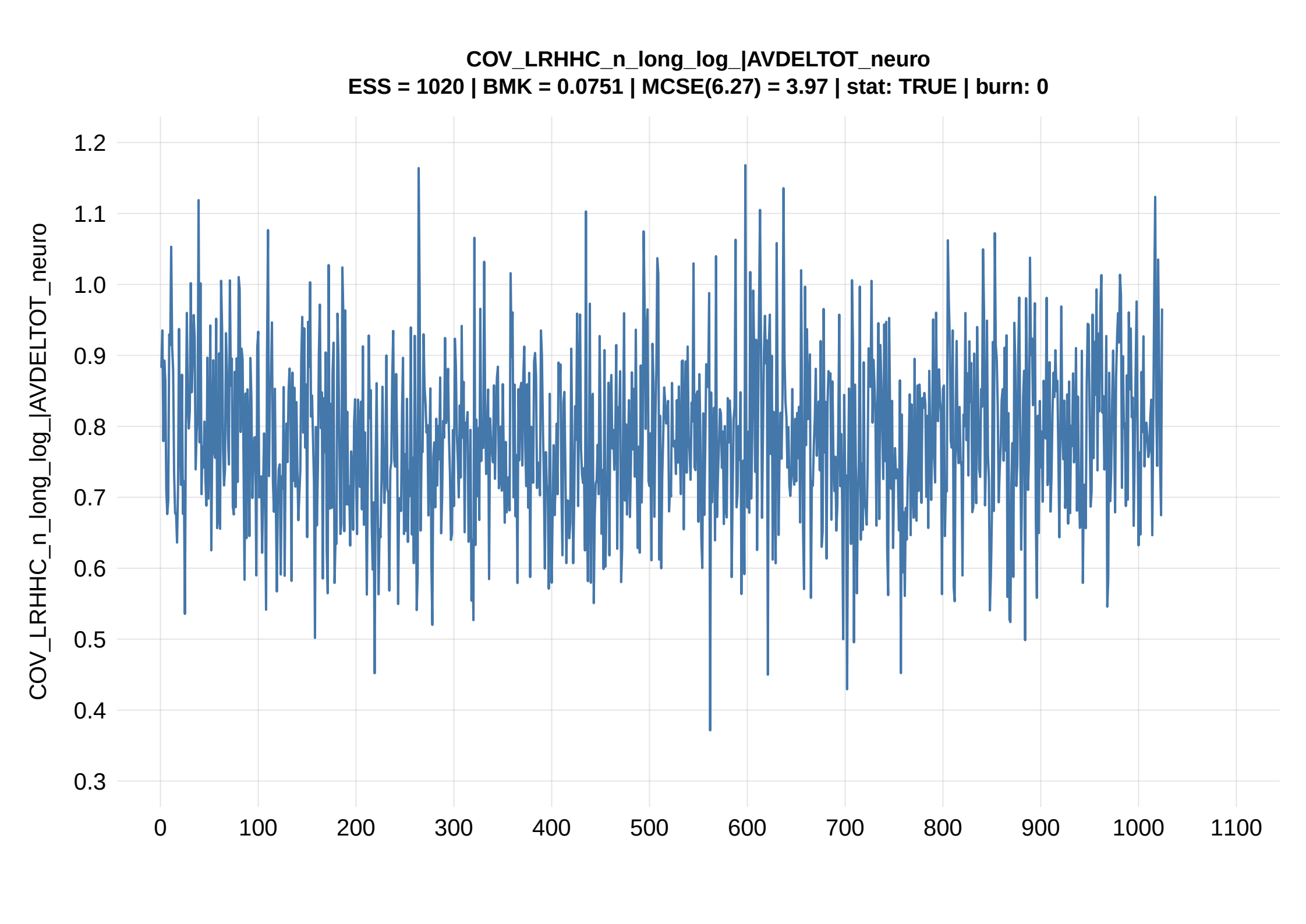

COV_AGE_log_|ANARTERR_neuro
ESS = 1020 | BMK = 0.0585 | MCSE(6.27) = 3.84 | stat: TRUE | burn: 0
COV_AGE_log_|ANARTERR_neuro
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
0
100
200
300
400
500
600
700
800
900
1000
1100

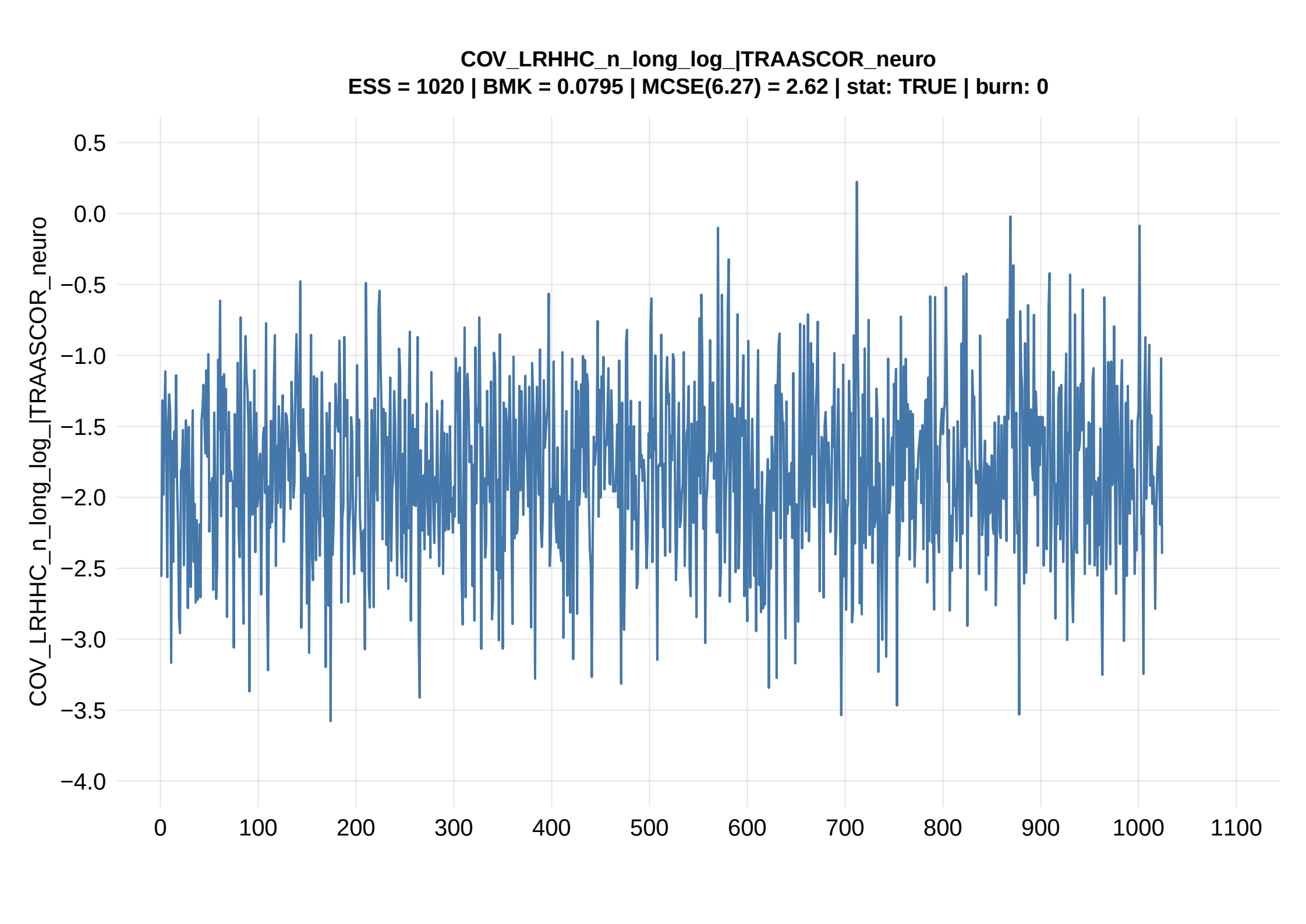

COV_LRHHC_n_long_log_|Subgroup_num_
ESS = 650 | BMK = 0.0947 | MCSE(6.27) = 4.83 | stat: TRUE | burn: 0
COV_LRHHC_n_long_log_|Subgroup_num_
−0.03
−0.04
−0.05
−0.06
−0.07
−0.08
−0.09
−0.10
−0.11
−0.12
−0.13
0
100
200
300
400
500
600
700
800
900
1000
1100

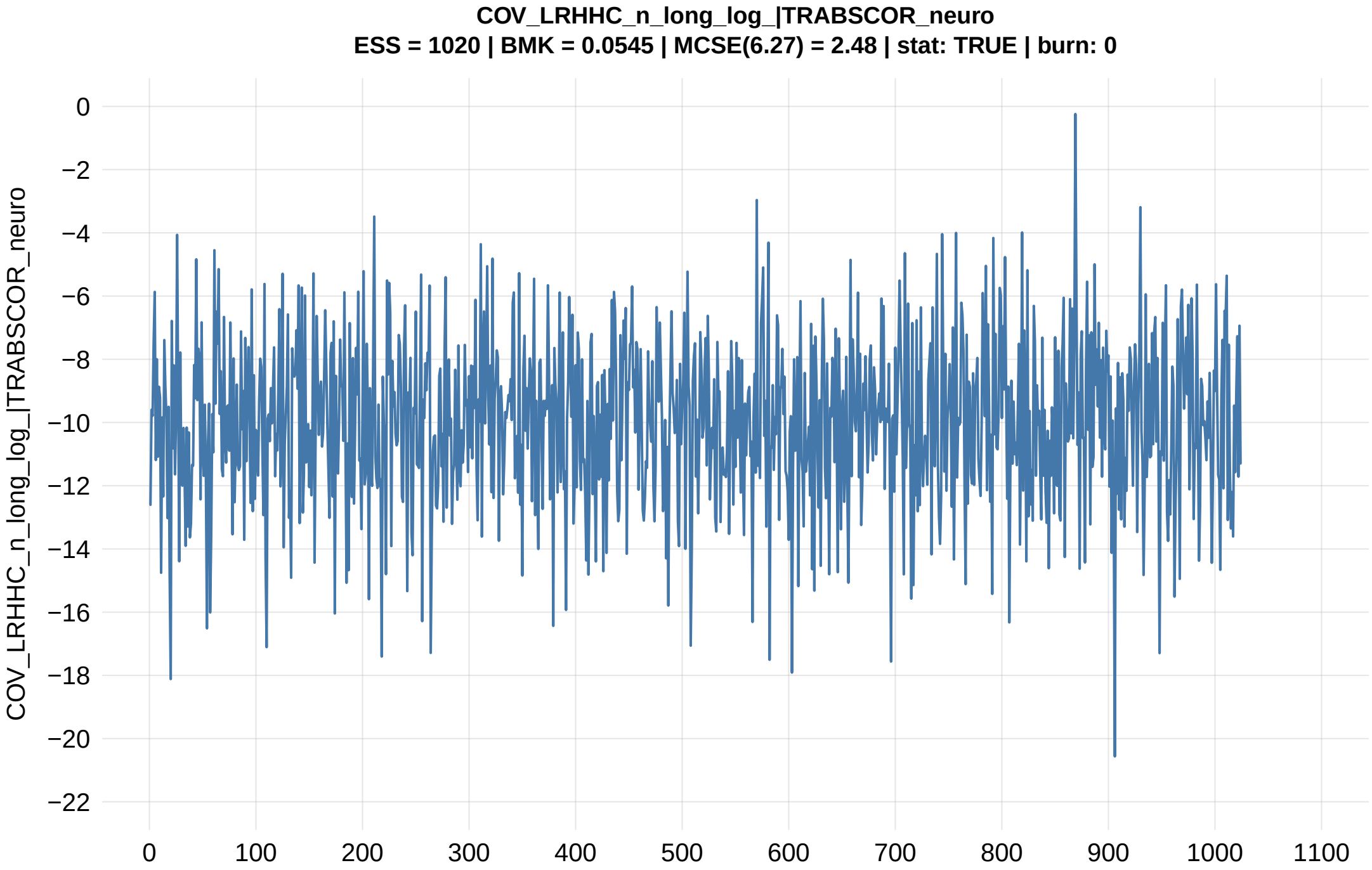

COV_LRHHC_n_long_log_|Gender_num_
ESS = 1020 | BMK = 0.0451 | MCSE(6.27) = 3.52 | stat: FALSE | burn: 0
COV_LRHHC_n_long_log_|Gender_num_
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0
100
200
300
400
500
600
700
800
900
1000
1100

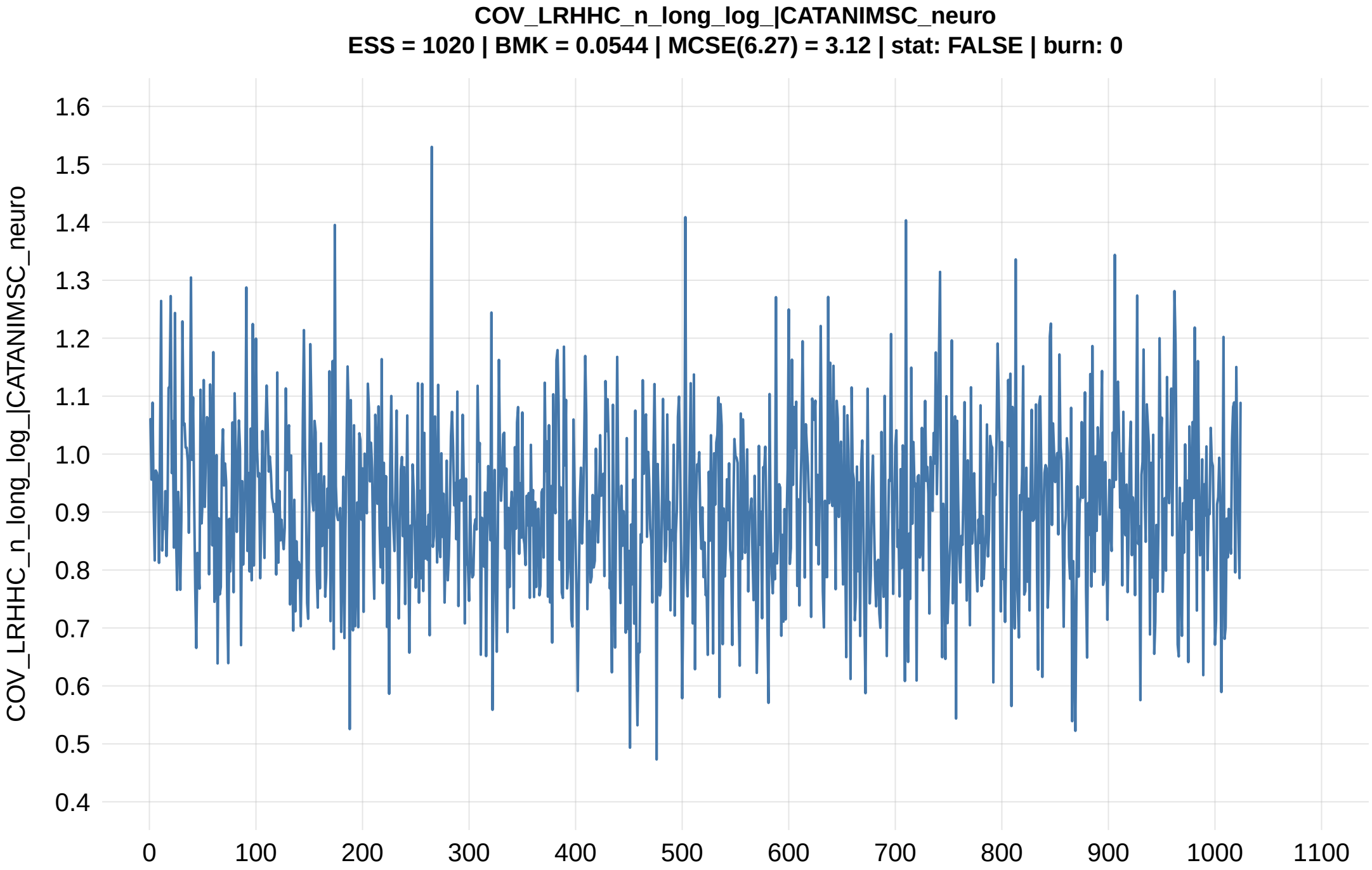

COV_LRHHC_n_long_log_|RAVLT_immediate
ESS = 1020 | BMK = 0.0652 | MCSE(6.27) = 3.34 | stat: TRUE | burn: 0
COV_LRHHC_n_long_log_|RAVLT_immediate
4.6
4.4
4.2
4.0
3.8
3.6
3.4
3.2
3.0
2.8
2.6
2.4
2.2
2.0
0
100
200
300
400
500
600
700
800
900
1000
1100

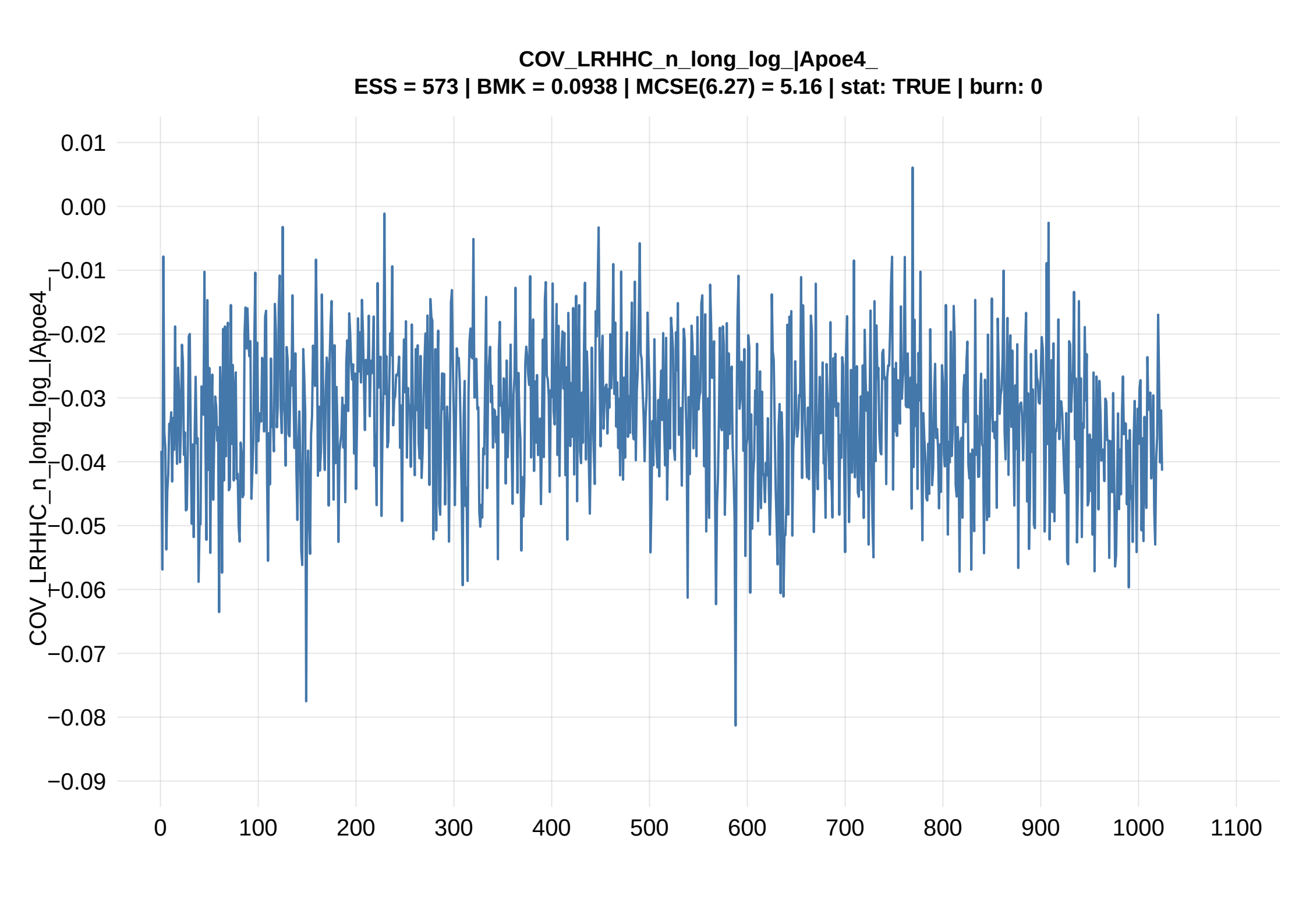

COV_LRHHC_n_long_log_|AVDEL30MIN_neuro
ESS = 741 | BMK = 0.0803 | MCSE(6.27) = 4.34 | stat: TRUE | burn: 0
COV_LRHHC_n_long_log_|AVDEL30MIN_neuro
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0
100
200
300
400
500
600
700
800
900
1000
1100

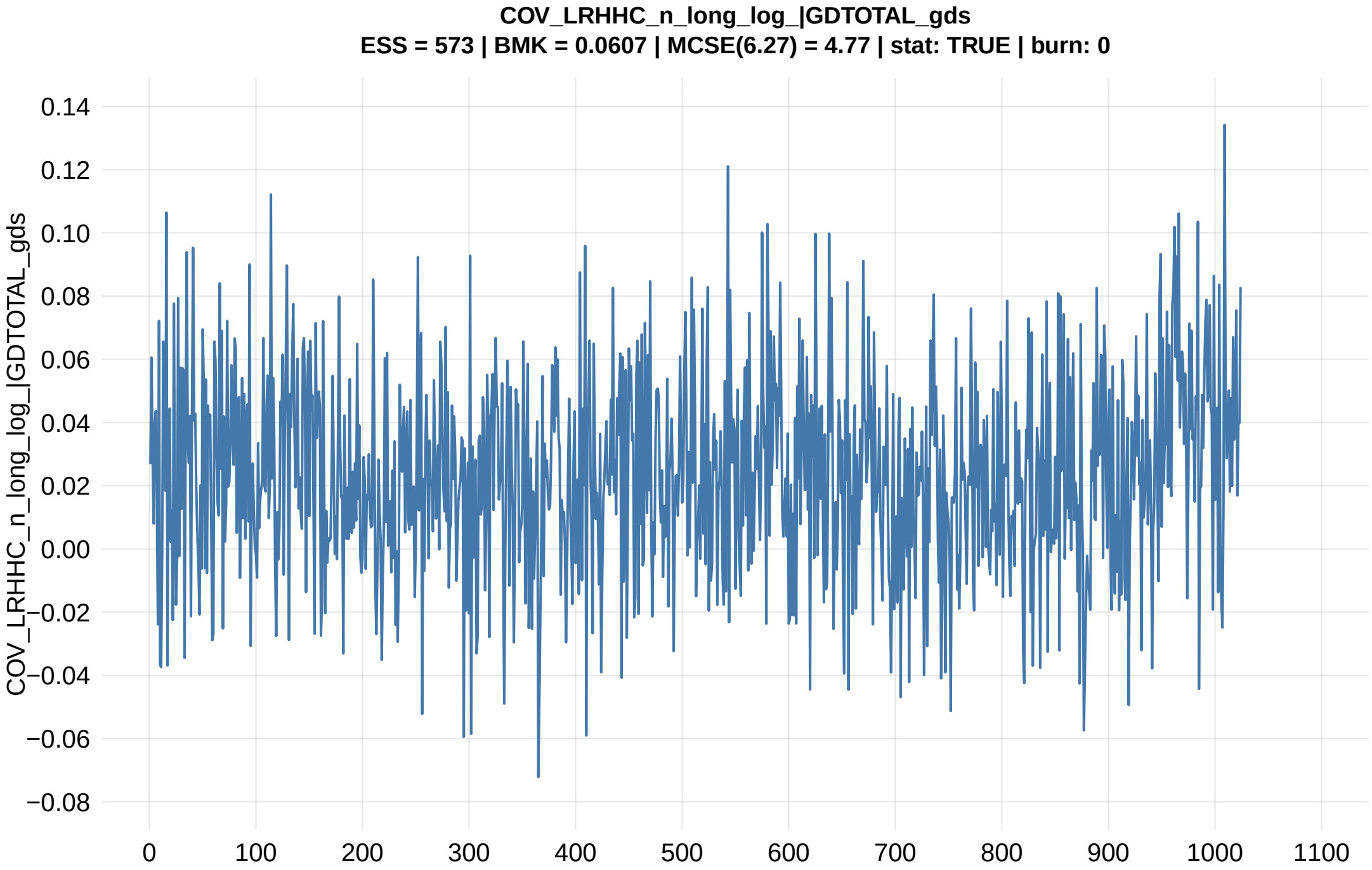

COV_LRHHC_n_long_log_|AVDELTOT_neuro
ESS = 1020 | BMK = 0.0751 | MCSE(6.27) = 3.97 | stat: TRUE | burn: 0
COV_LRHHC_n_long_log_|AVDELTOT_neuro
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0
100
200
300
400
500
600
700
800
900
1000
1100

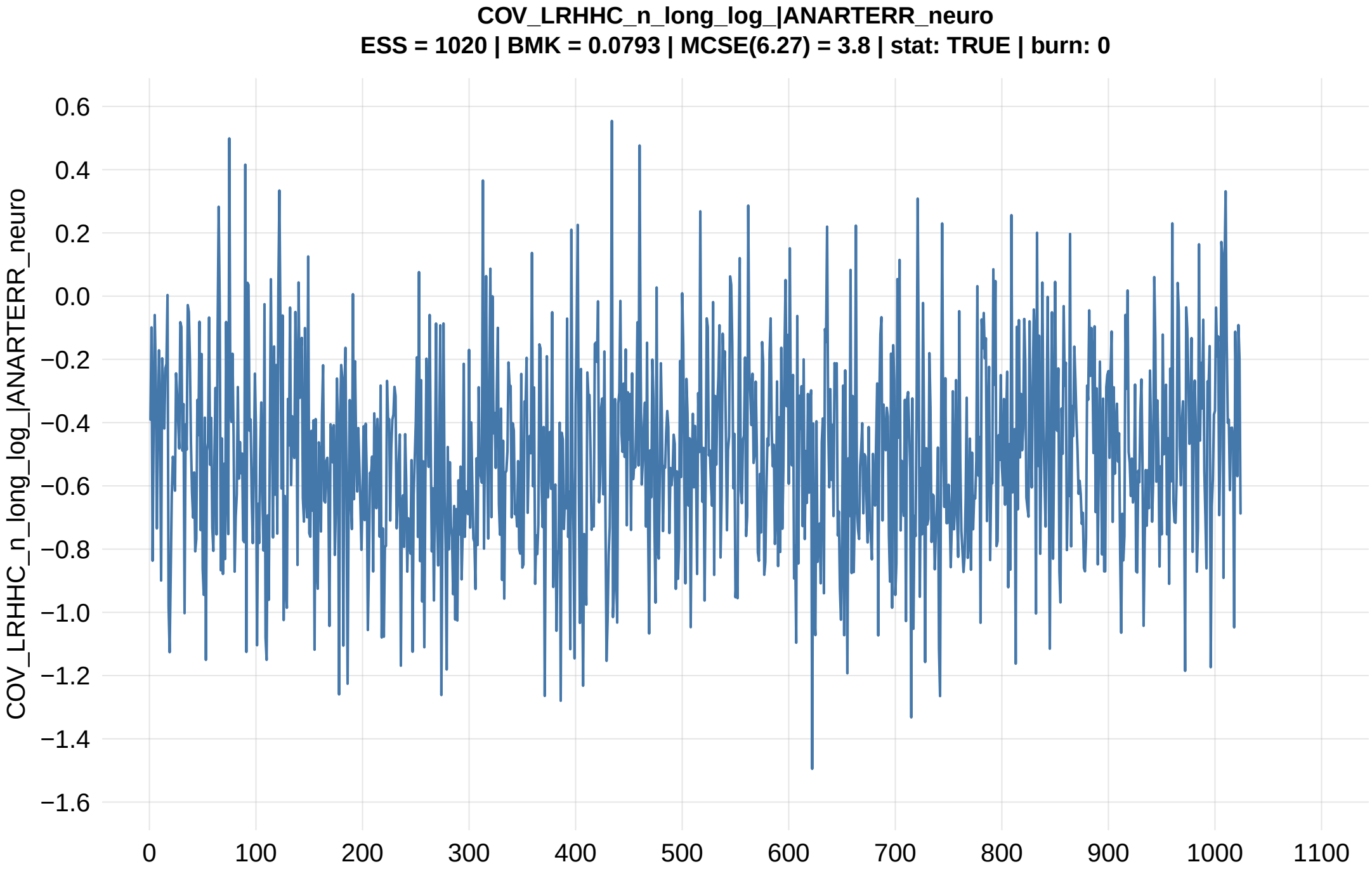

COV_LRHHC_n_long_log_|TRAASCOR_neuro
ESS = 1020 | BMK = 0.0795 | MCSE(6.27) = 2.62 | stat: TRUE | burn: 0
COV_LRHHC_n_long_log_|TRAASCOR_neuro
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
−3.5
−4.0
0
100
200
300
400
500
600
700
800
900
1000
1100

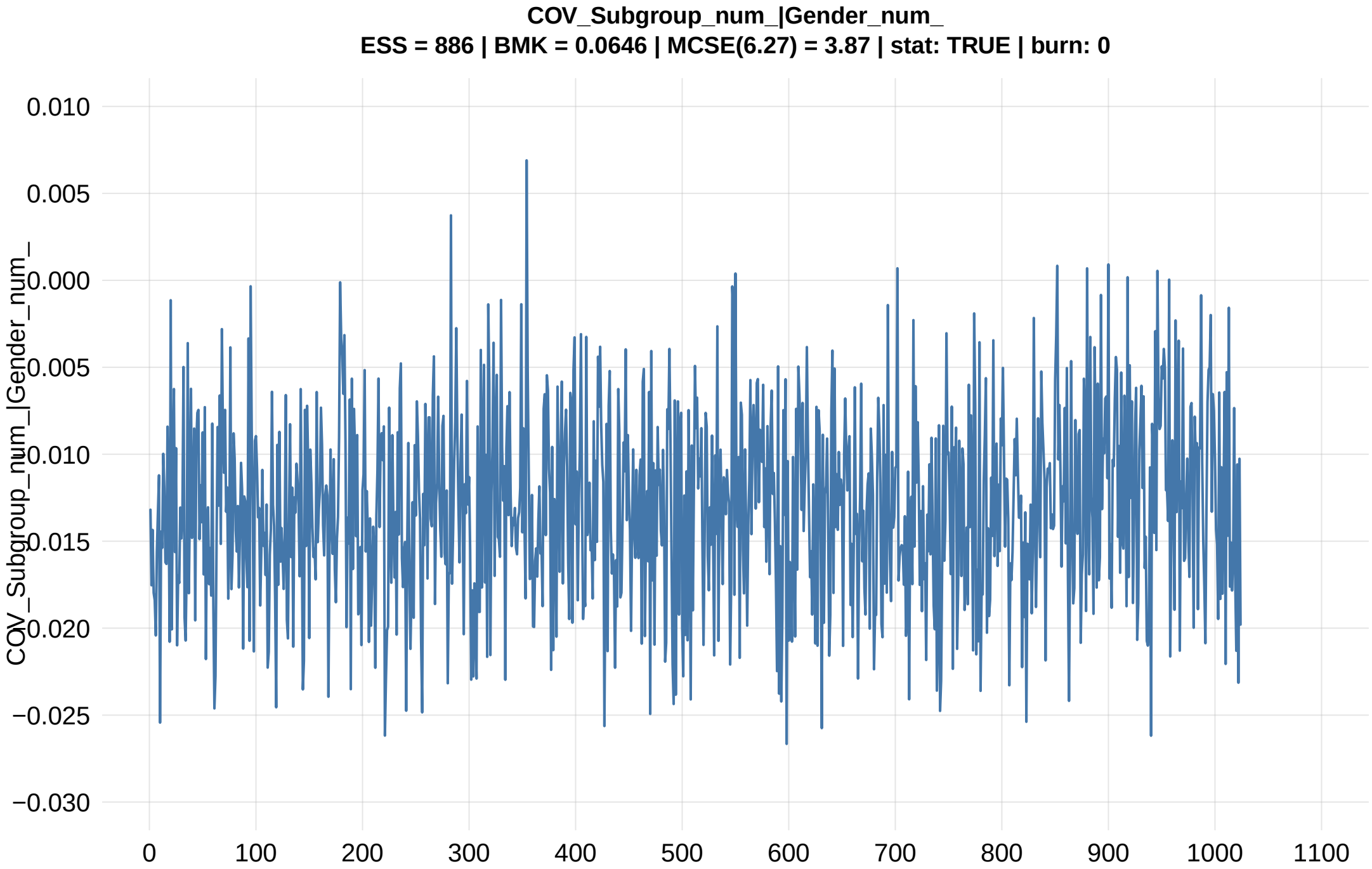

COV_LRHHC_n_long_log_|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0545 | MCSE(6.27) = 2.48 | stat: TRUE | burn: 0
COV_LRHHC_n_long_log_|TRABSCOR_neuro
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
−20
−22
0
100
200
300
400
500
600
700
800
900
1000
1100

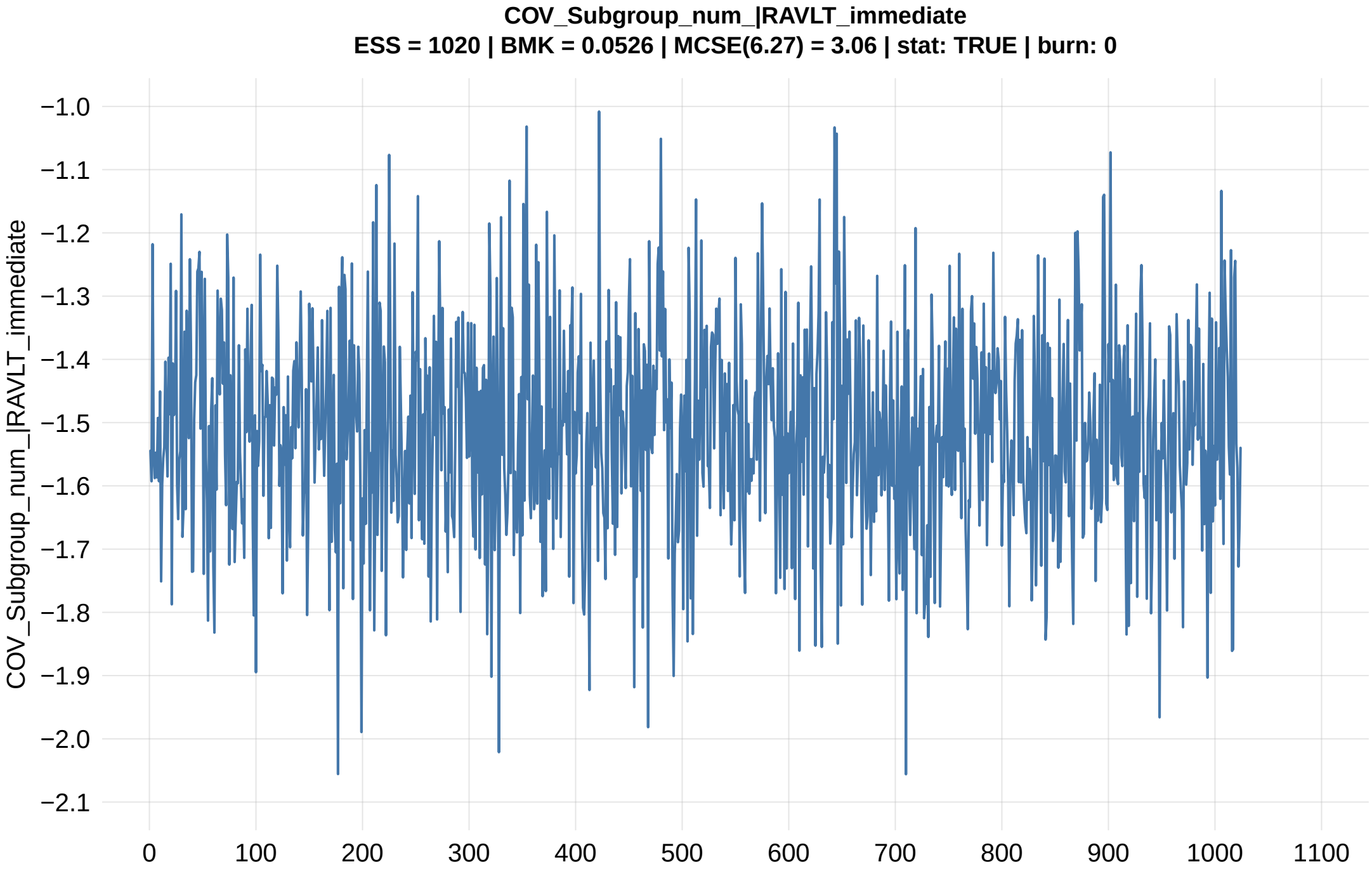

COV_LRHHC_n_long_log_|CATANIMSC_neuro
ESS = 1020 | BMK = 0.0544 | MCSE(6.27) = 3.12 | stat: FALSE | burn: 0
COV_LRHHC_n_long_log_|CATANIMSC_neuro
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0
100
200
300
400
500
600
700
800
900
1000
1100

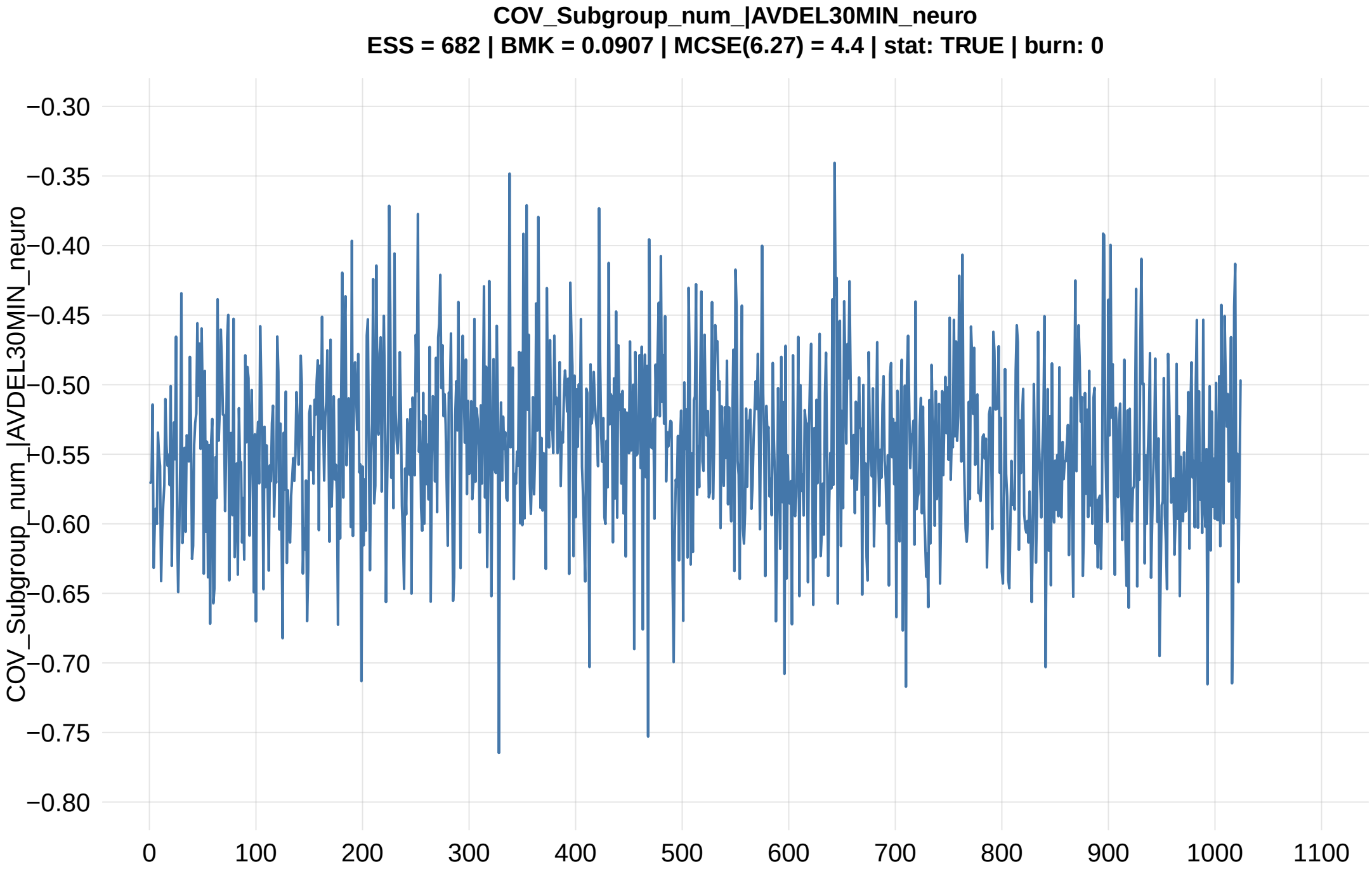

COV_LRHHC_n_long_log_|Apoe4_
ESS = 573 | BMK = 0.0938 | MCSE(6.27) = 5.16 | stat: TRUE | burn: 0
COV_LRHHC_n_long_log_|Apoe4_
0.01
0.00
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
−0.07
−0.08
−0.09
0
100
200
300
400
500
600
700
800
900
1000
1100

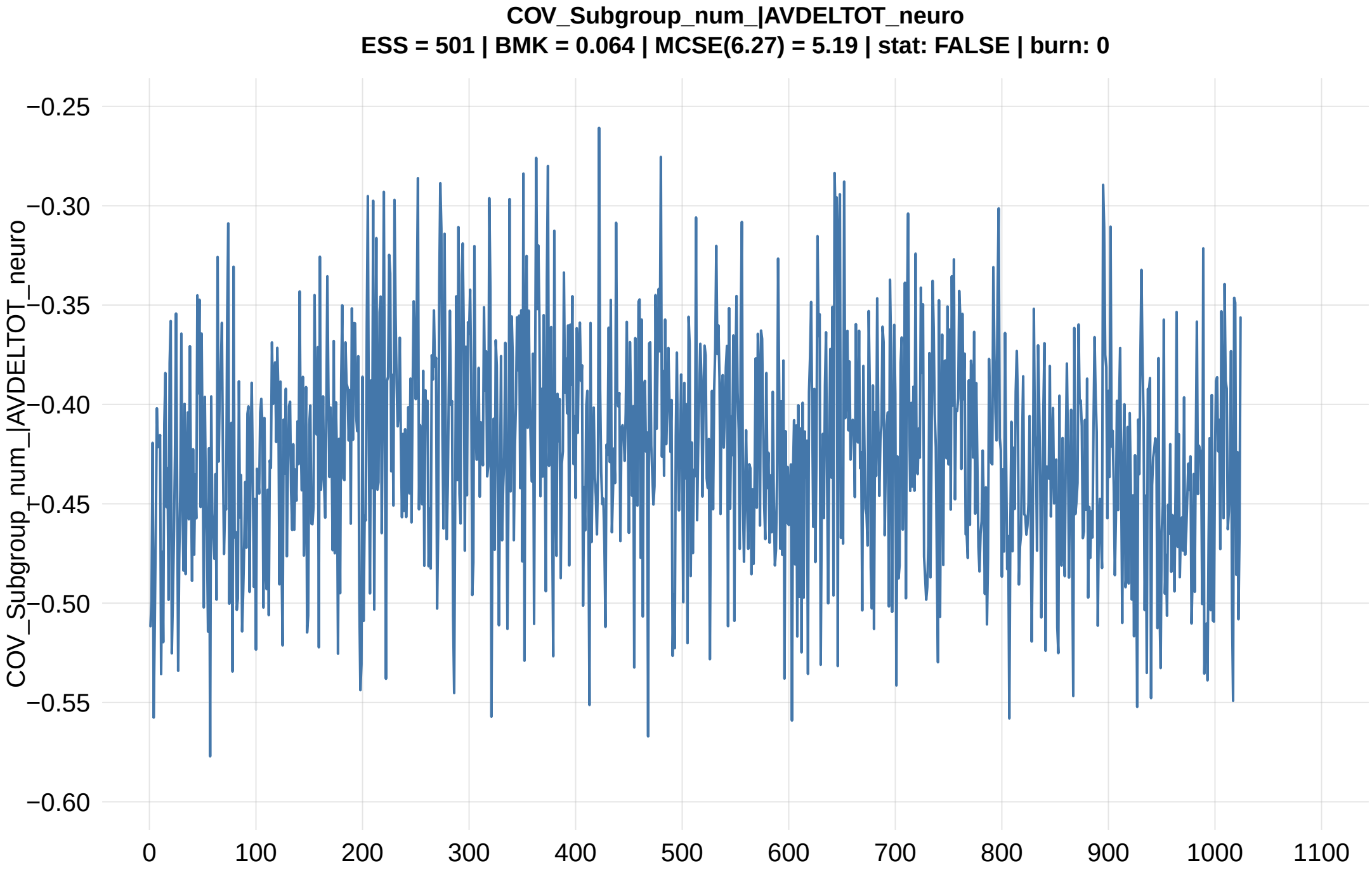

COV_LRHHC_n_long_log_|GDTOTAL_gds
ESS = 573 | BMK = 0.0607 | MCSE(6.27) = 4.77 | stat: TRUE | burn: 0
COV_LRHHC_n_long_log_|GDTOTAL_gds
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08
0
100
200
300
400
500
600
700
800
900
1000
1100

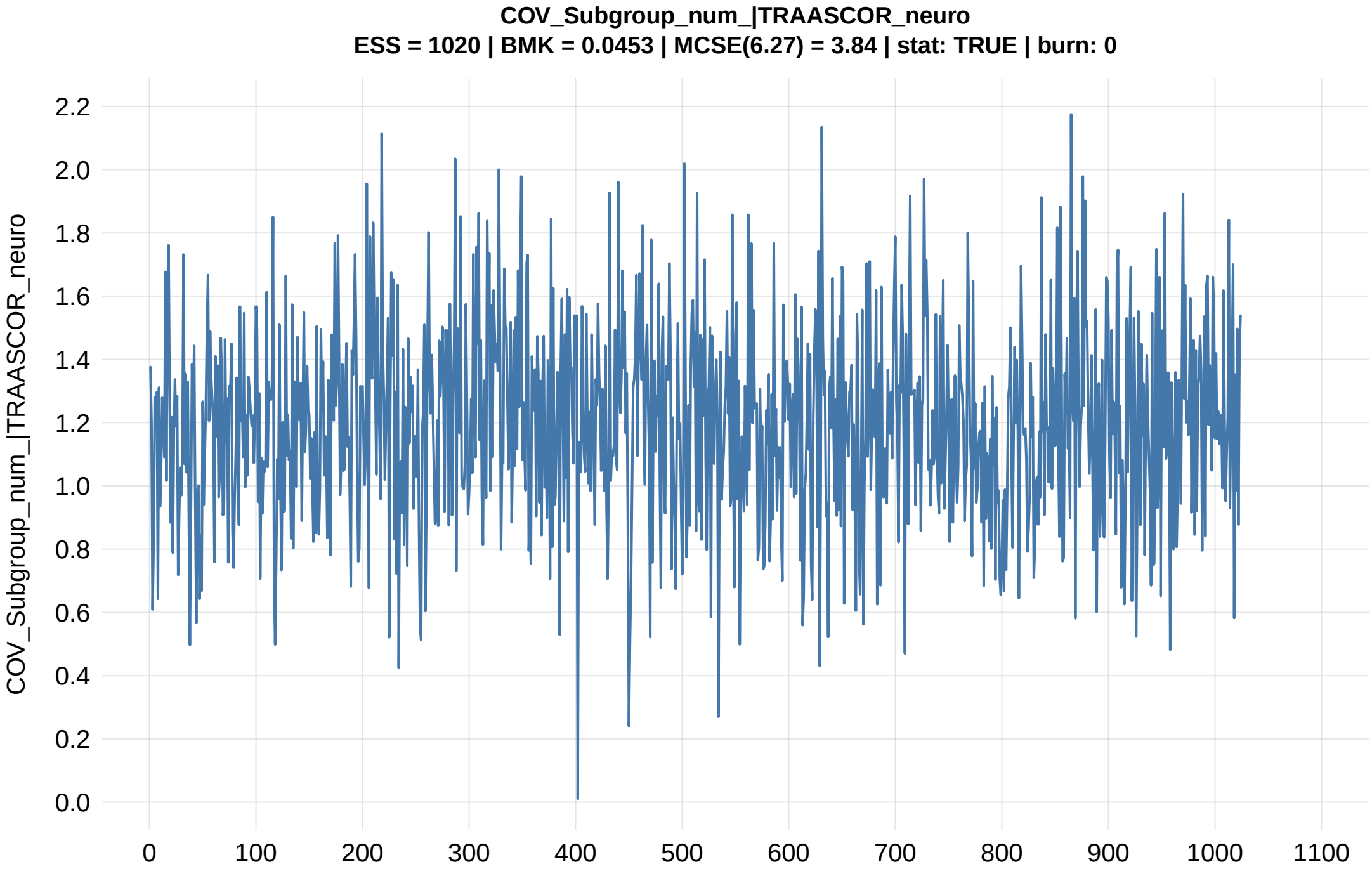

COV_LRHHC_n_long_log_|ANARTERR_neuro
ESS = 1020 | BMK = 0.0793 | MCSE(6.27) = 3.8 | stat: TRUE | burn: 0
COV_LRHHC_n_long_log_|ANARTERR_neuro
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
−1.4
−1.6
0
100
200
300
400
500
600
700
800
900
1000
1100

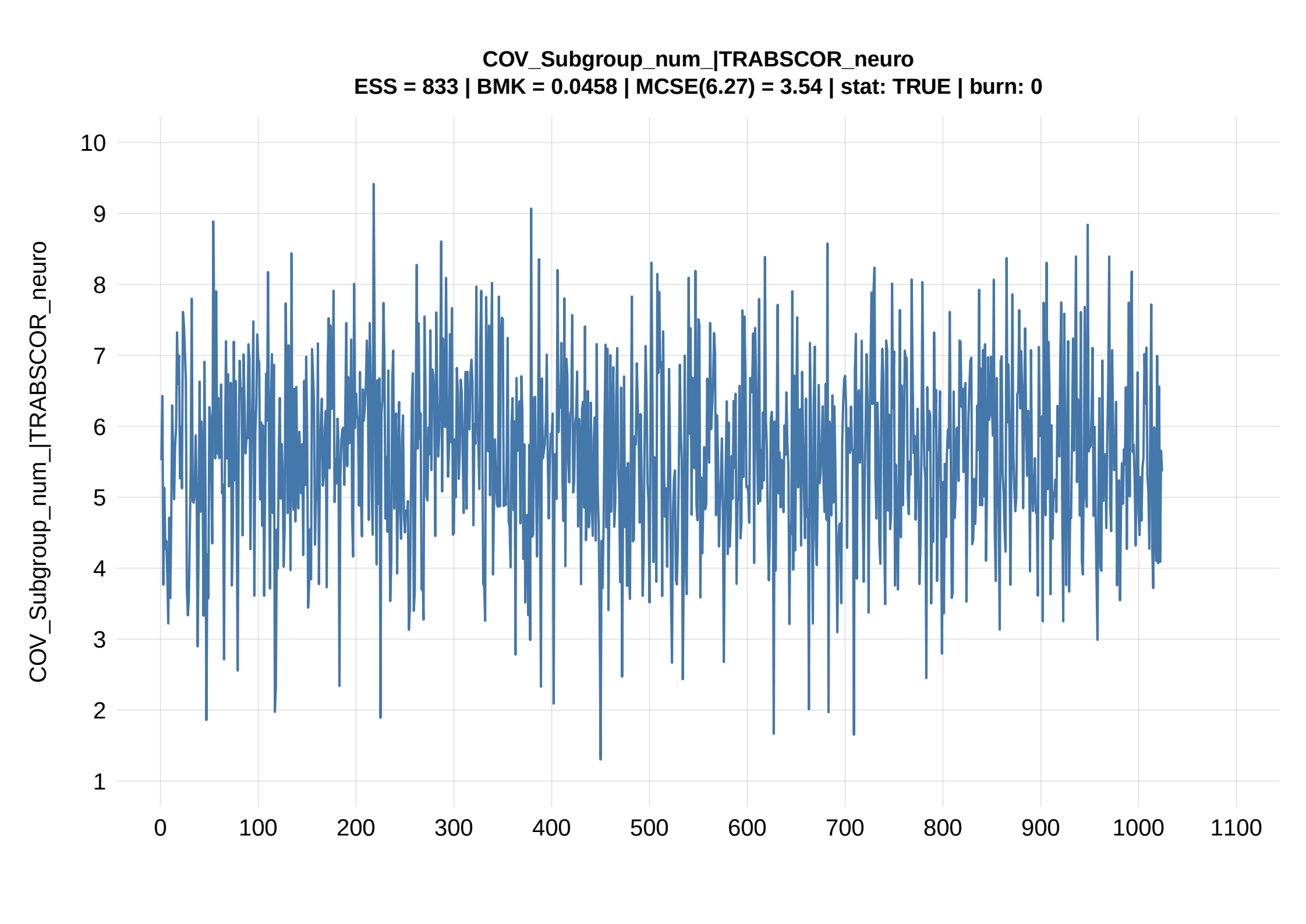

COV_Subgroup_num_|Gender_num_
ESS = 886 | BMK = 0.0646 | MCSE(6.27) = 3.87 | stat: TRUE | burn: 0
COV_Subgroup_num_|Gender_num_
0.010
0.005
0.000
−0.005
−0.010
−0.015
−0.020
−0.025
−0.030
0
100
200
300
400
500
600
700
800
900
1000
1100

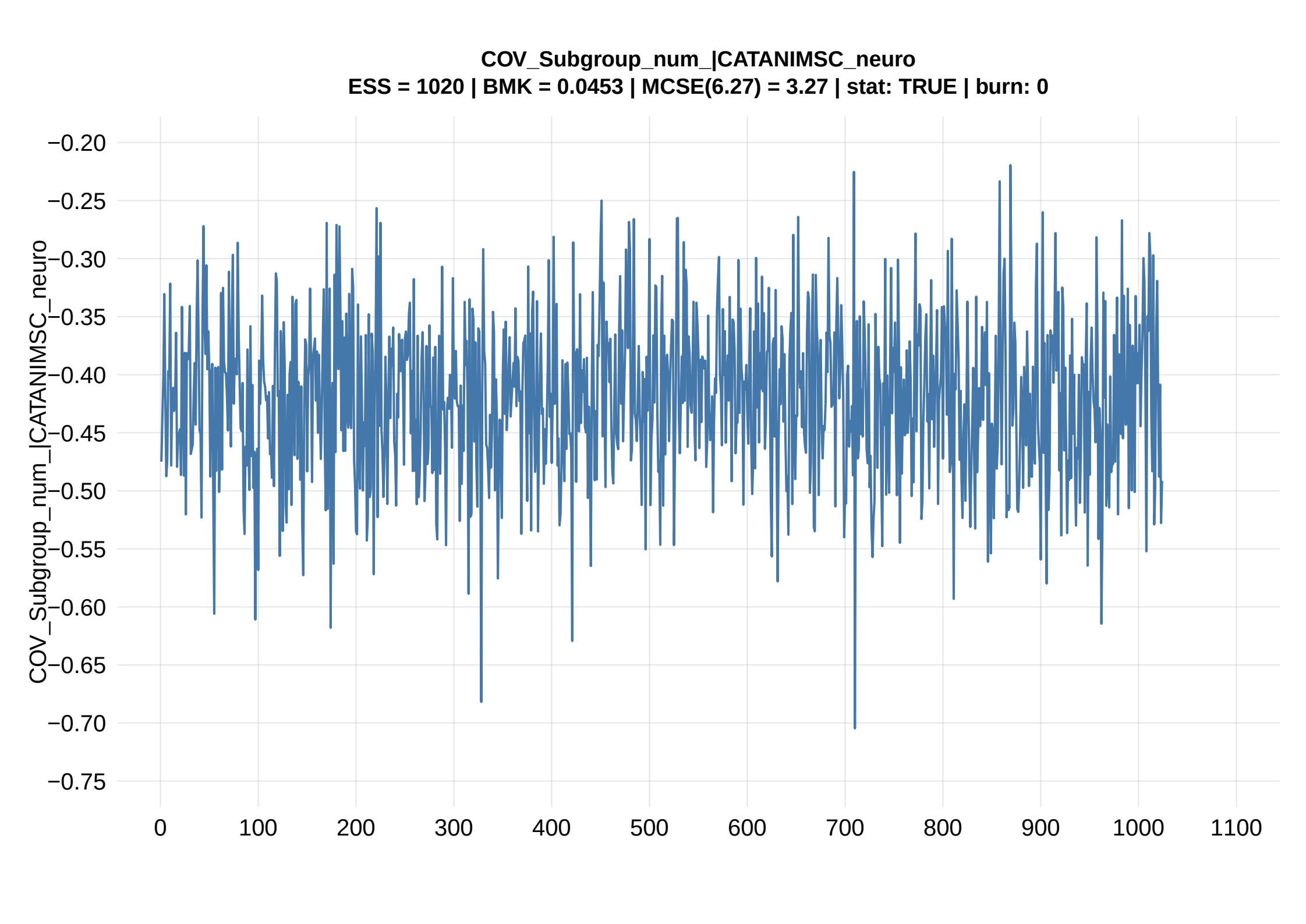

COV_Subgroup_num_|RAVLT_immediate
ESS = 1020 | BMK = 0.0526 | MCSE(6.27) = 3.06 | stat: TRUE | burn: 0
COV_Subgroup_num_|RAVLT_immediate
−1.0
−1.1
−1.2
−1.3
−1.4
−1.5
−1.6
−1.7
−1.8
−1.9
−2.0
−2.1
0
100
200
300
400
500
600
700
800
900
1000
1100

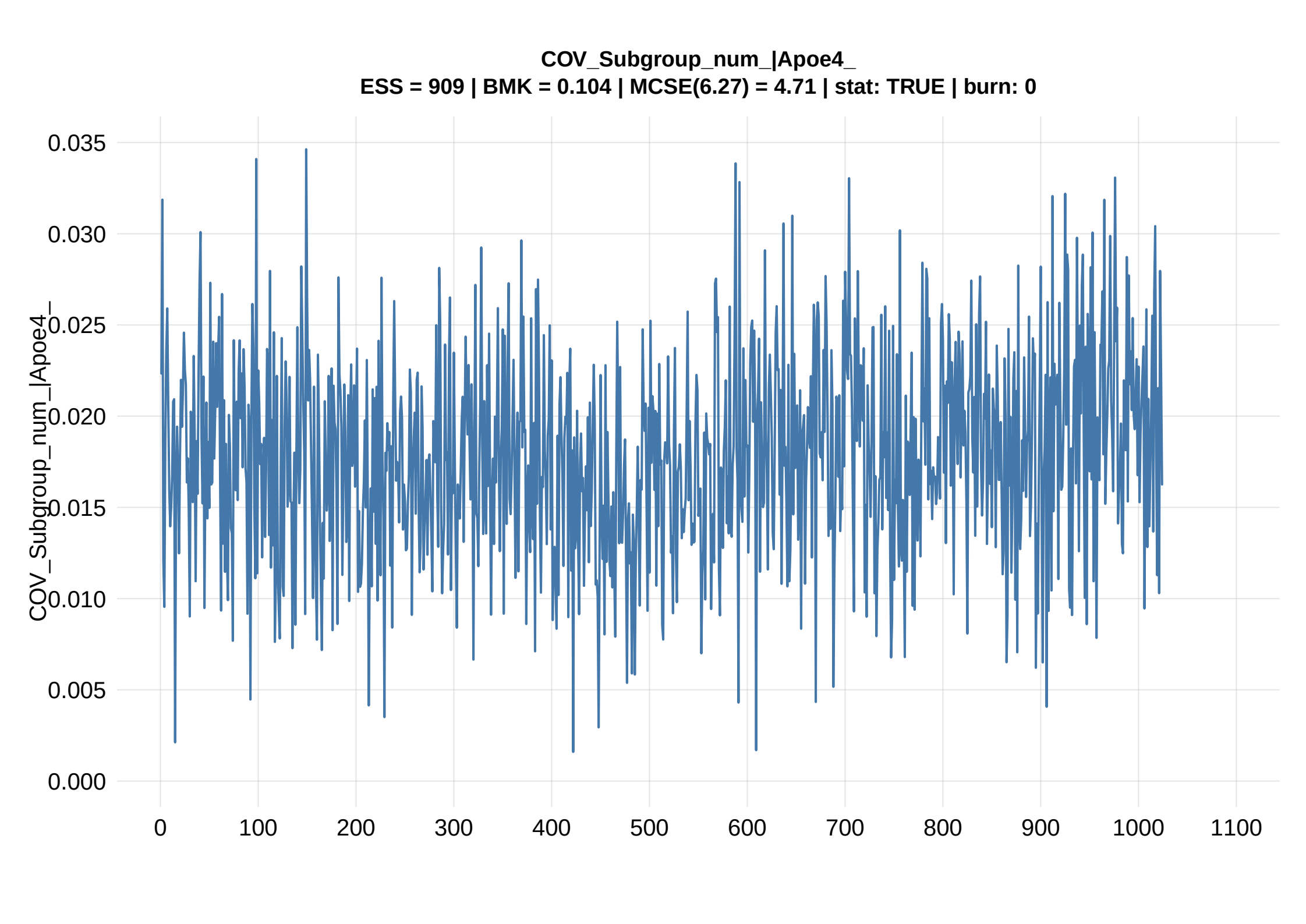

COV_Subgroup_num_|AVDEL30MIN_neuro
ESS = 682 | BMK = 0.0907 | MCSE(6.27) = 4.4 | stat: TRUE | burn: 0
COV_Subgroup_num_|AVDEL30MIN_neuro
−0.30
−0.35
−0.40
−0.45
−0.50
−0.55
−0.60
−0.65
−0.70
−0.75
−0.80
0
100
200
300
400
500
600
700
800
900
1000
1100

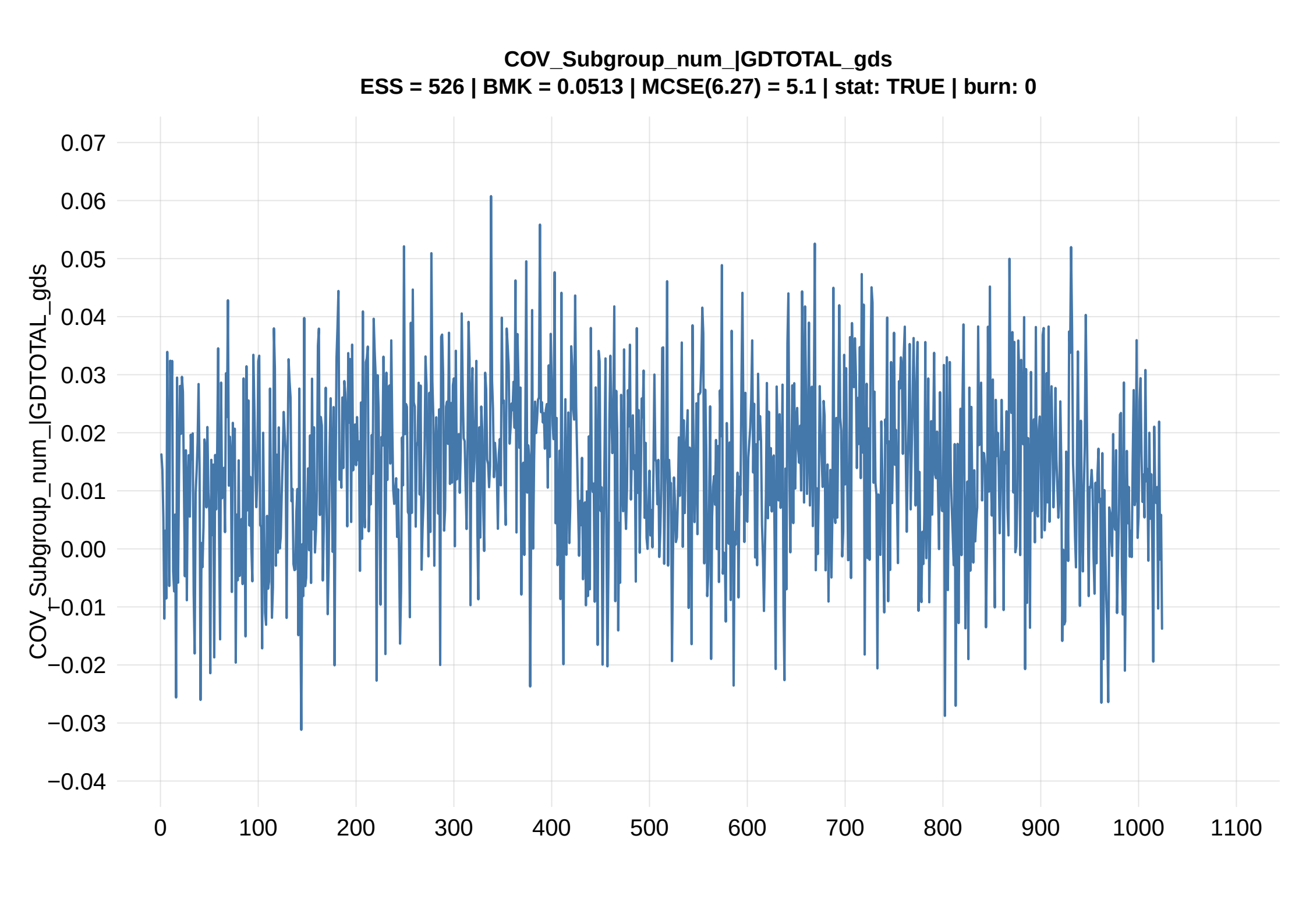

COV_Subgroup_num_|AVDELTOT_neuro
ESS = 501 | BMK = 0.064 | MCSE(6.27) = 5.19 | stat: FALSE | burn: 0
COV_Subgroup_num_|AVDELTOT_neuro
−0.25
−0.30
−0.35
−0.40
−0.45
−0.50
−0.55
−0.60
0
100
200
300
400
500
600
700
800
900
1000
1100

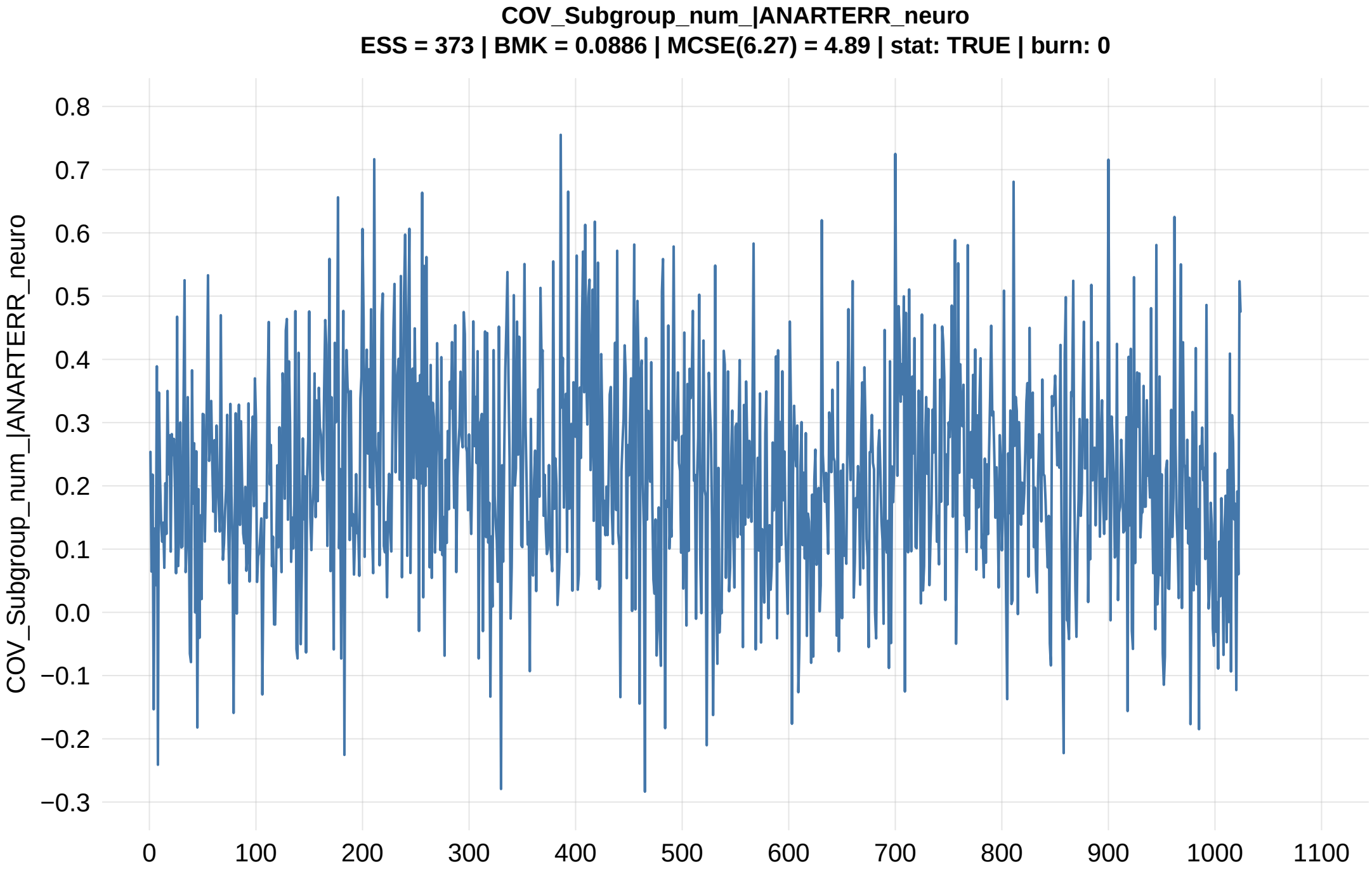

COV_Subgroup_num_|TRAASCOR_neuro
ESS = 1020 | BMK = 0.0453 | MCSE(6.27) = 3.84 | stat: TRUE | burn: 0
COV_Subgroup_num_|TRAASCOR_neuro
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
100
200
300
400
500
600
700
800
900
1000
1100

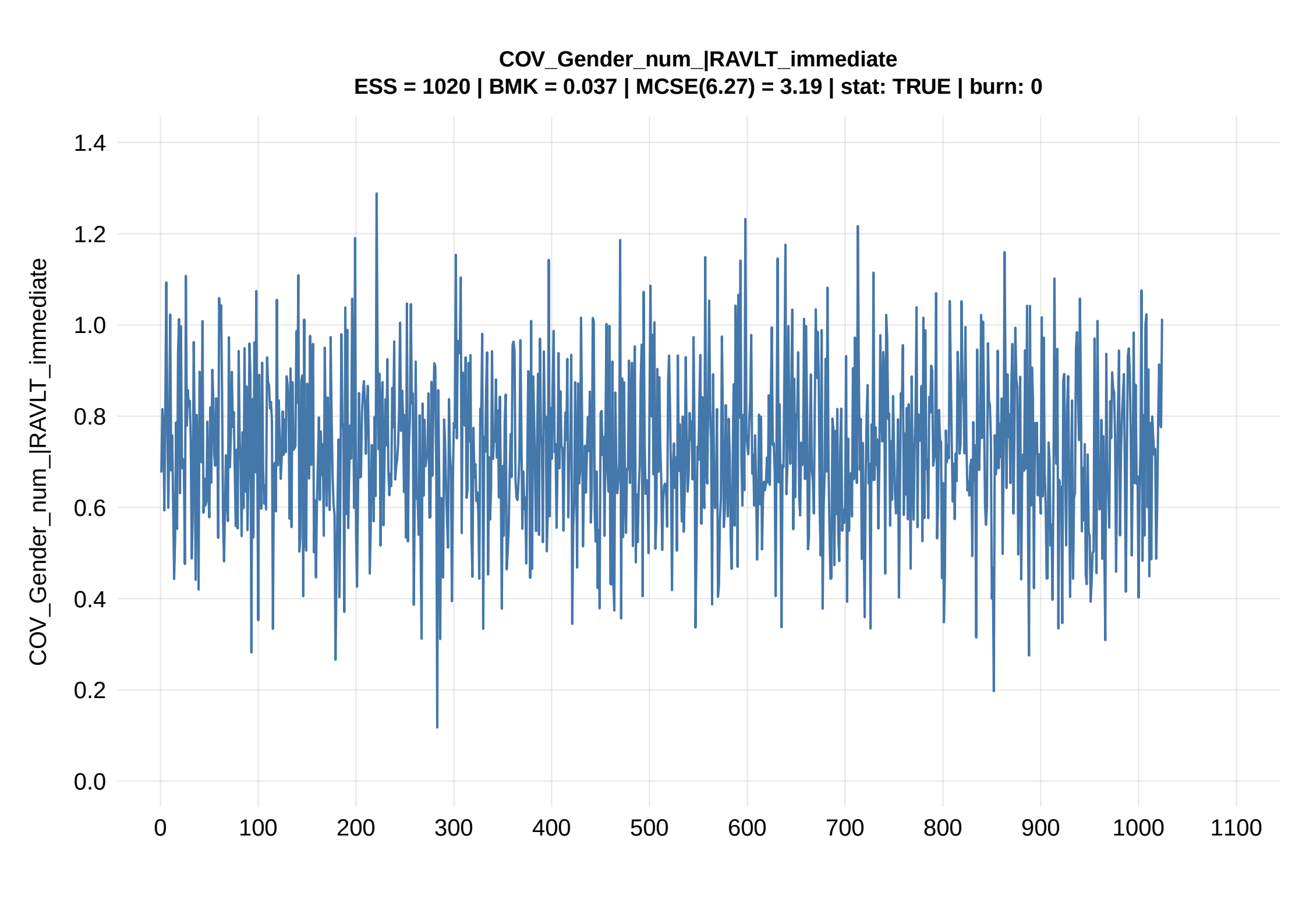

COV_Subgroup_num_|TRABSCOR_neuro
ESS = 833 | BMK = 0.0458 | MCSE(6.27) = 3.54 | stat: TRUE | burn: 0
COV_Subgroup_num_|TRABSCOR_neuro
10
9
8
7
6
5
4
3
2
1
0
100
200
300
400
500
600
700
800
900
1000
1100

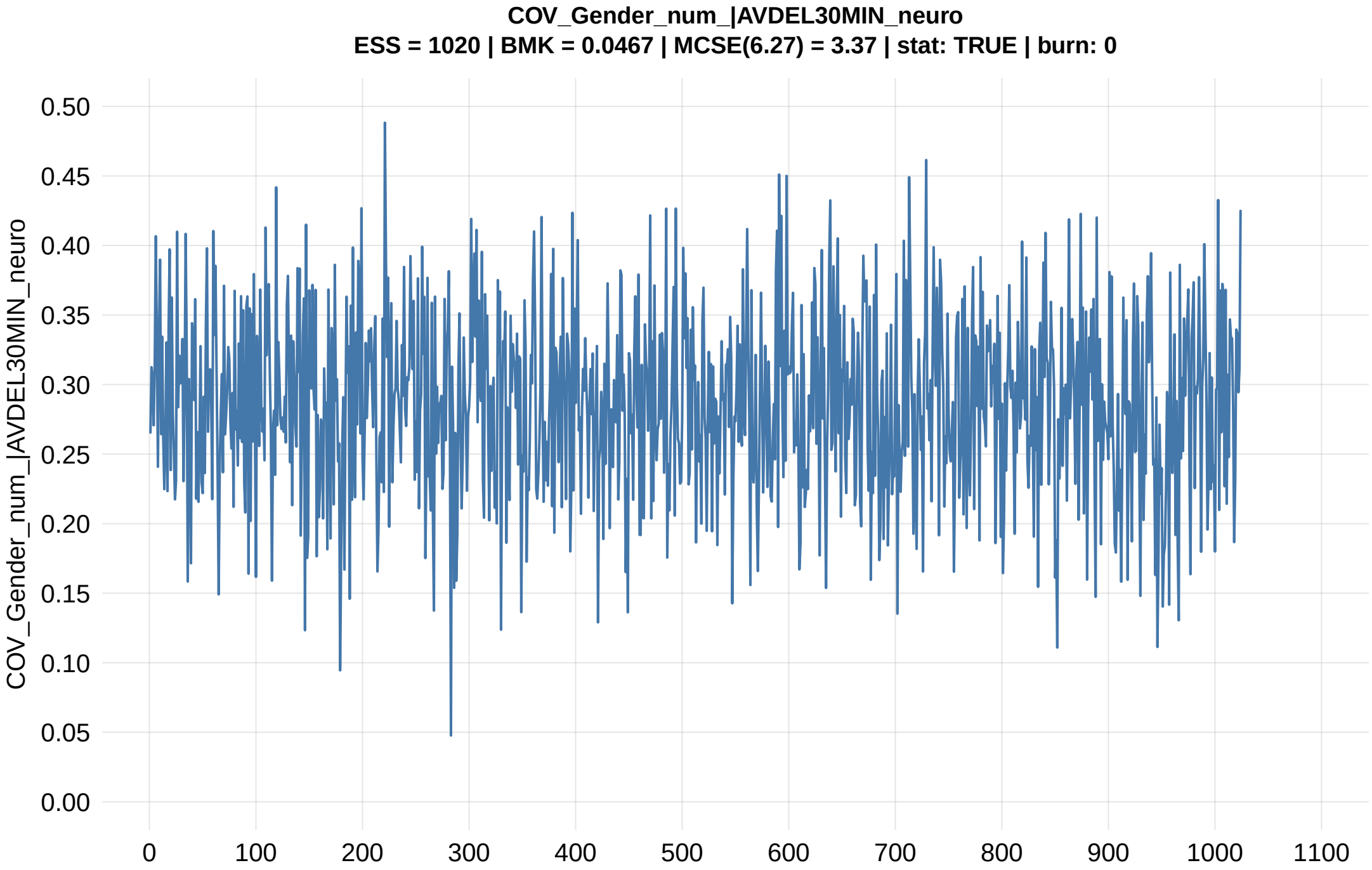

COV_Subgroup_num_|CATANIMSC_neuro
ESS = 1020 | BMK = 0.0453 | MCSE(6.27) = 3.27 | stat: TRUE | burn: 0
COV_Subgroup_num_|CATANIMSC_neuro
−0.20
−0.25
−0.30
−0.35
−0.40
−0.45
−0.50
−0.55
−0.60
−0.65
−0.70
−0.75
0
100
200
300
400
500
600
700
800
900
1000
1100

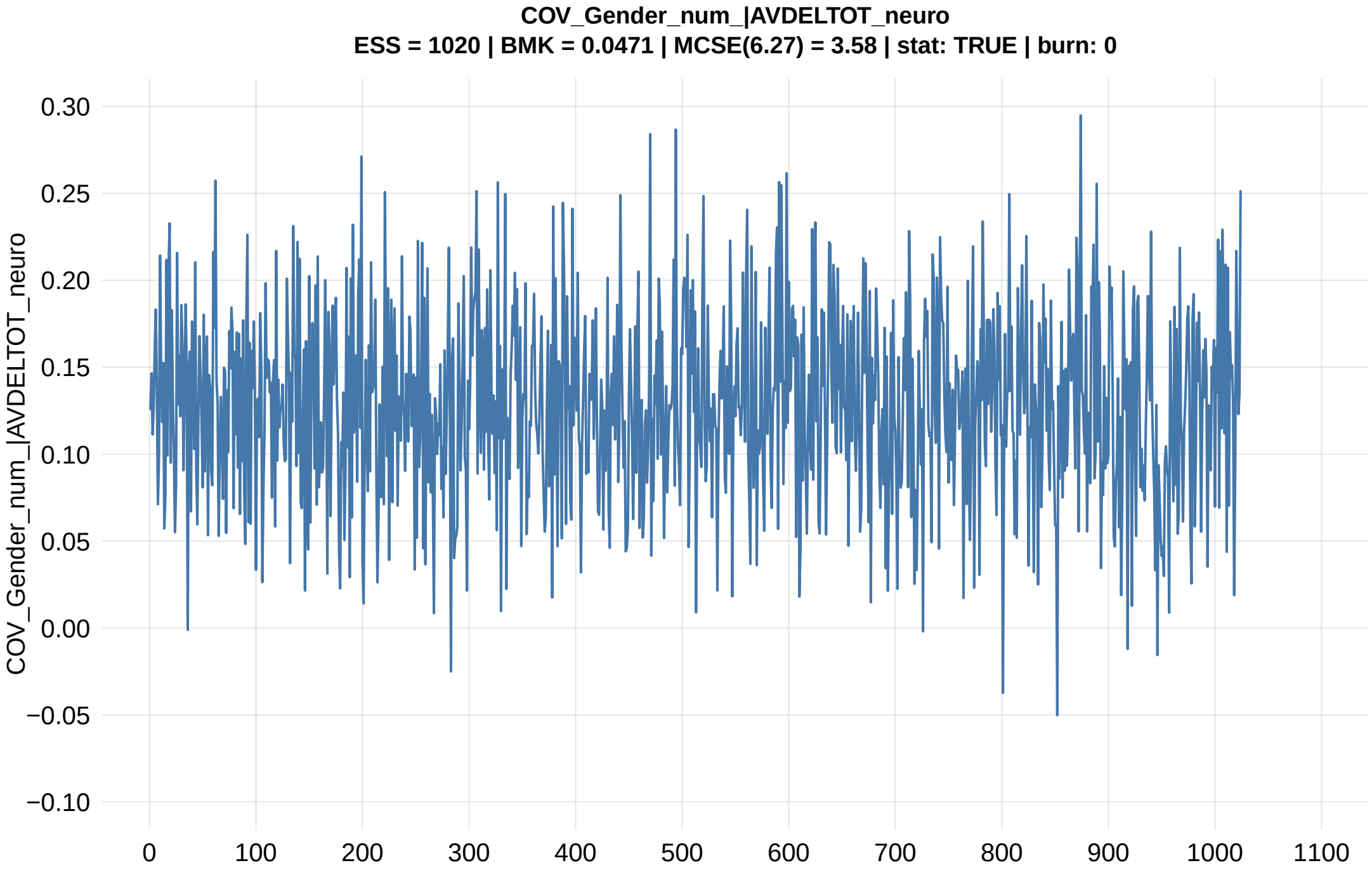

COV_Subgroup_num_|Apoe4_
ESS = 909 | BMK = 0.104 | MCSE(6.27) = 4.71 | stat: TRUE | burn: 0
COV_Subgroup_num_|Apoe4_
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0
100
200
300
400
500
600
700
800
900
1000
1100

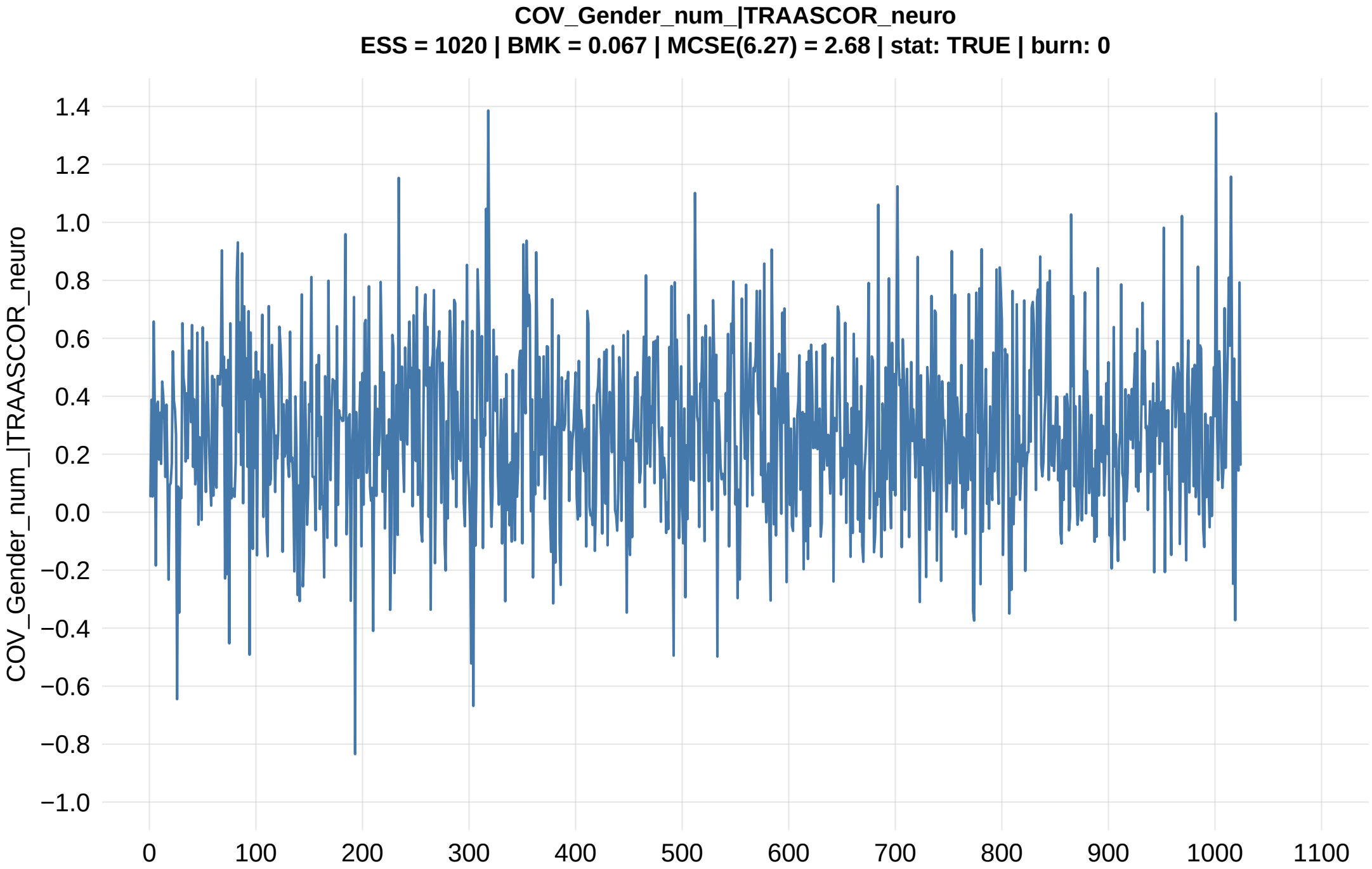

COV_Subgroup_num_|GDTOTAL_gds
ESS = 526 | BMK = 0.0513 | MCSE(6.27) = 5.1 | stat: TRUE | burn: 0
COV_Subgroup_num_|GDTOTAL_gds
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
−0.04
0
100
200
300
400
500
600
700
800
900
1000
1100

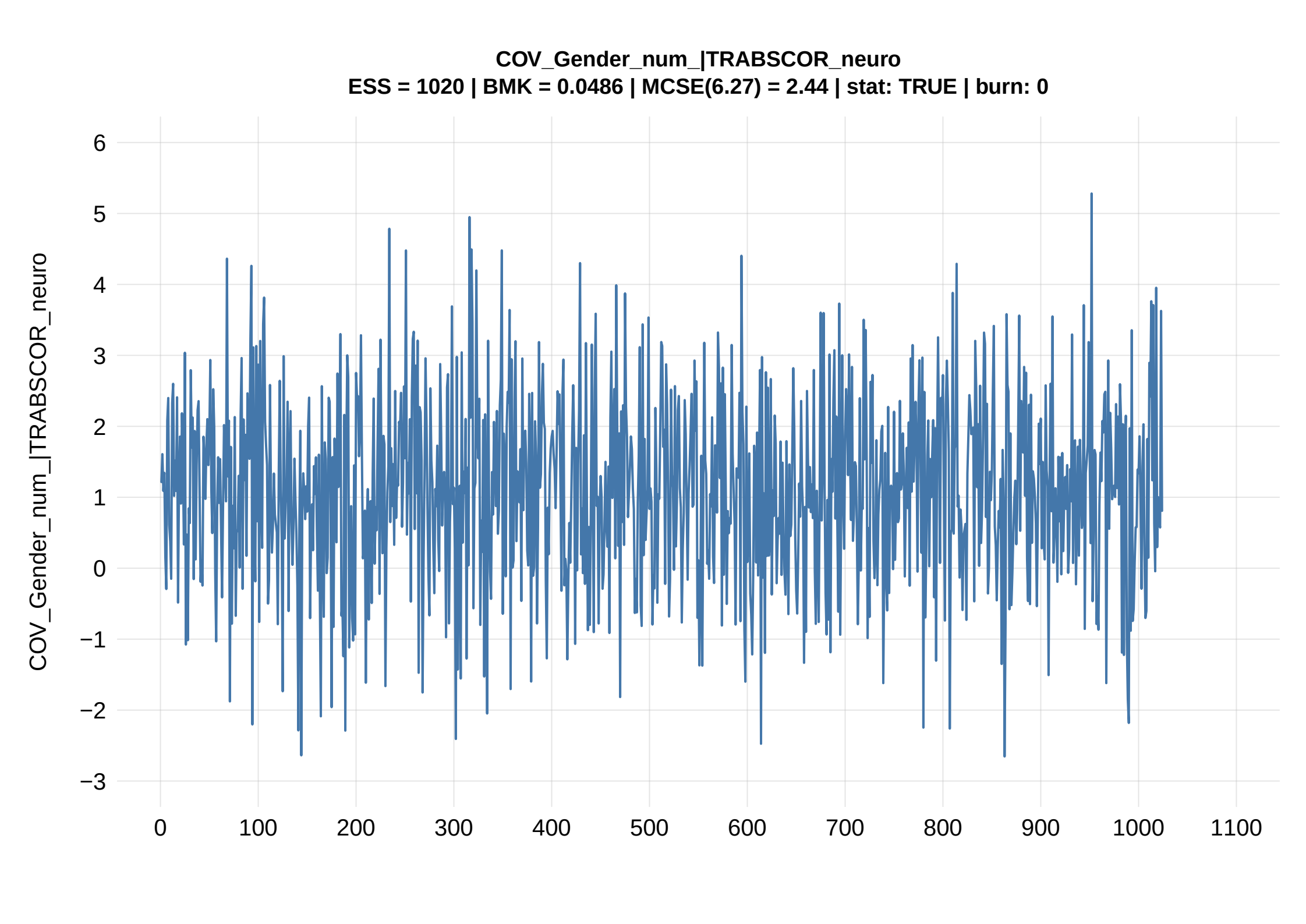

COV_Subgroup_num_|ANARTERR_neuro
ESS = 373 | BMK = 0.0886 | MCSE(6.27) = 4.89 | stat: TRUE | burn: 0
COV_Subgroup_num_|ANARTERR_neuro
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400
500
600
700
800
900
1000
1100

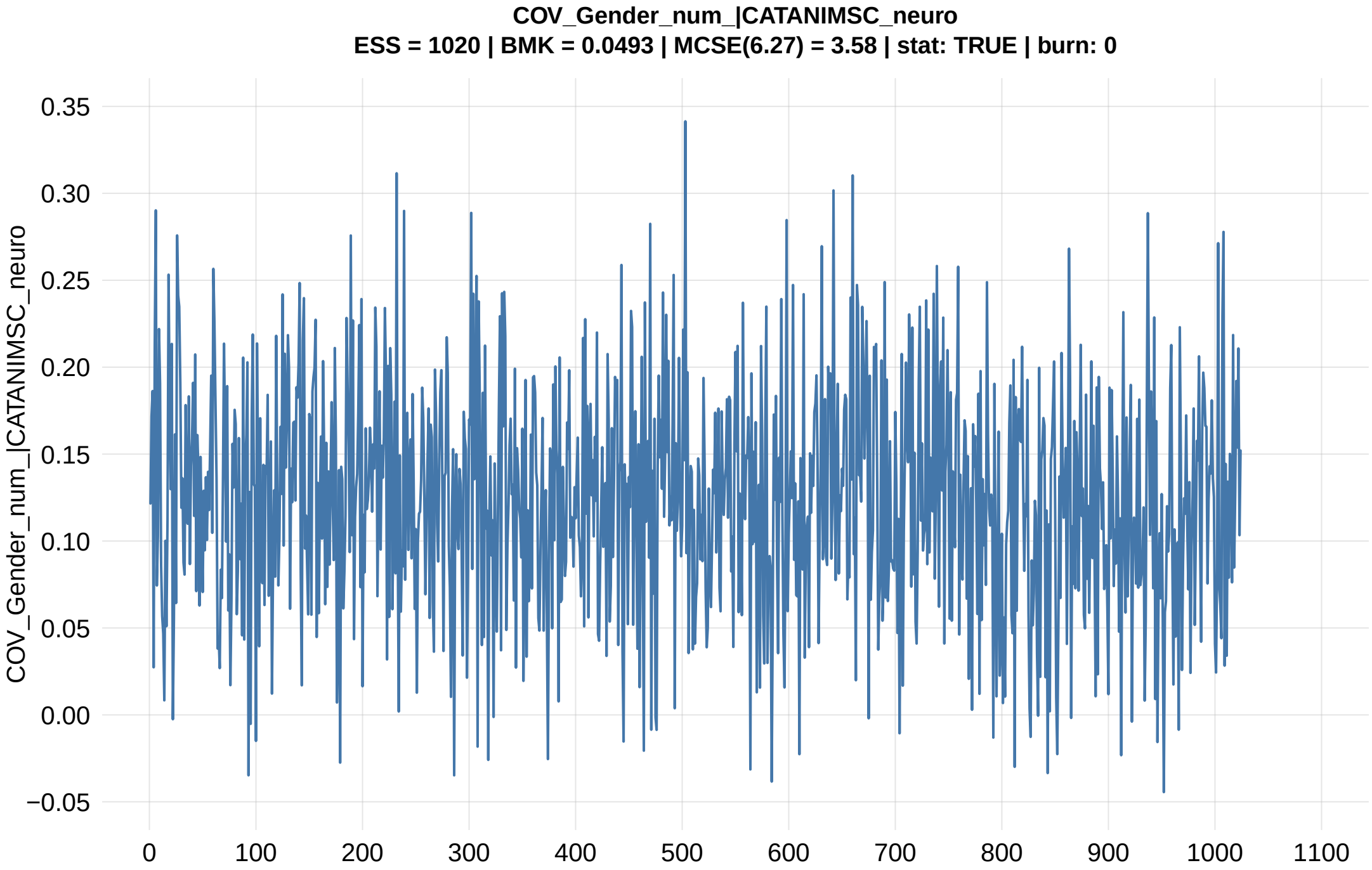

COV_Gender_num_|RAVLT_immediate
ESS = 1020 | BMK = 0.037 | MCSE(6.27) = 3.19 | stat: TRUE | burn: 0
COV_Gender_num_|RAVLT_immediate
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
100
200
300
400
500
600
700
800
900
1000
1100

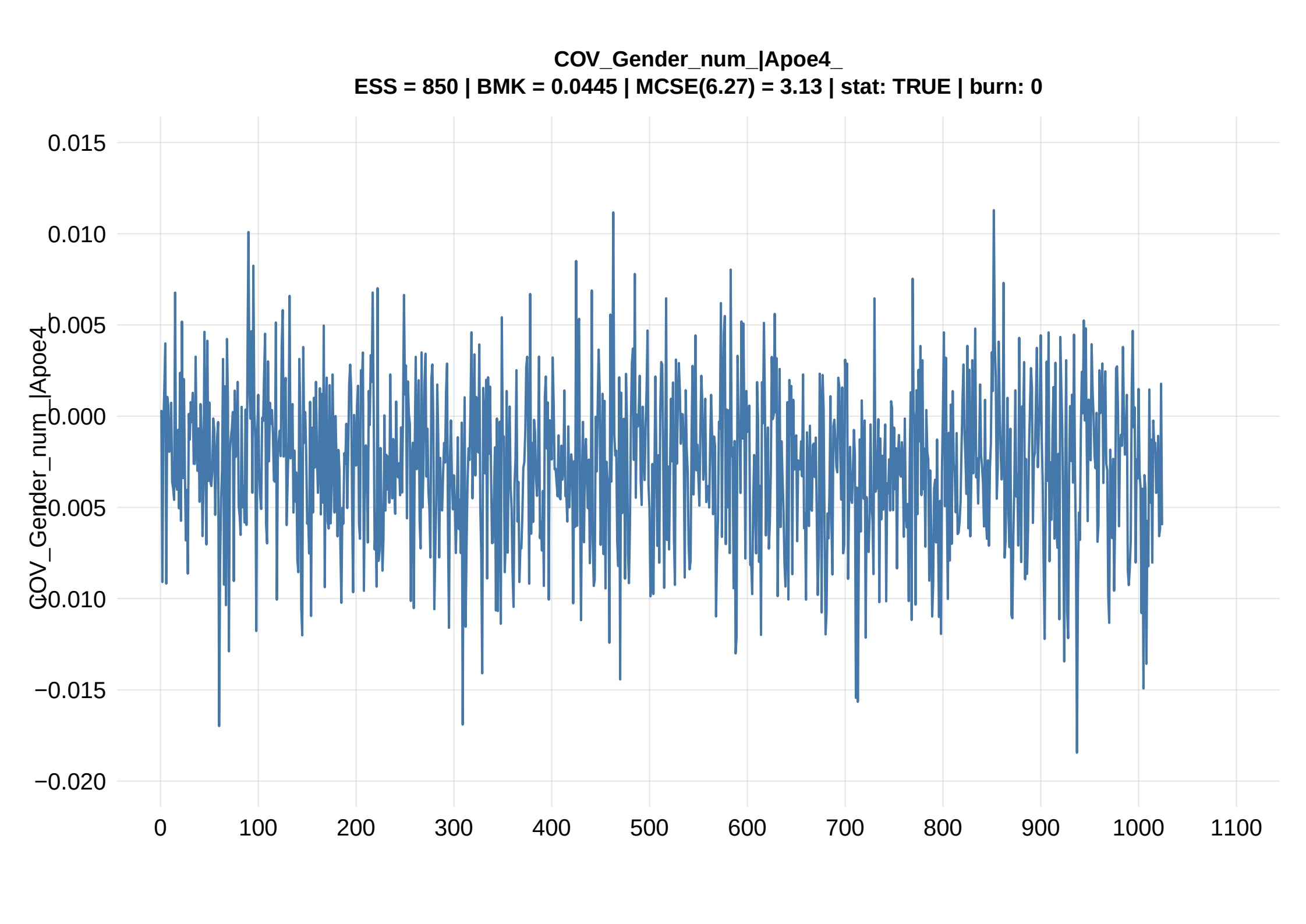

COV_Gender_num_|AVDEL30MIN_neuro
ESS = 1020 | BMK = 0.0467 | MCSE(6.27) = 3.37 | stat: TRUE | burn: 0
COV_Gender_num_|AVDEL30MIN_neuro
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0
100
200
300
400
500
600
700
800
900
1000
1100

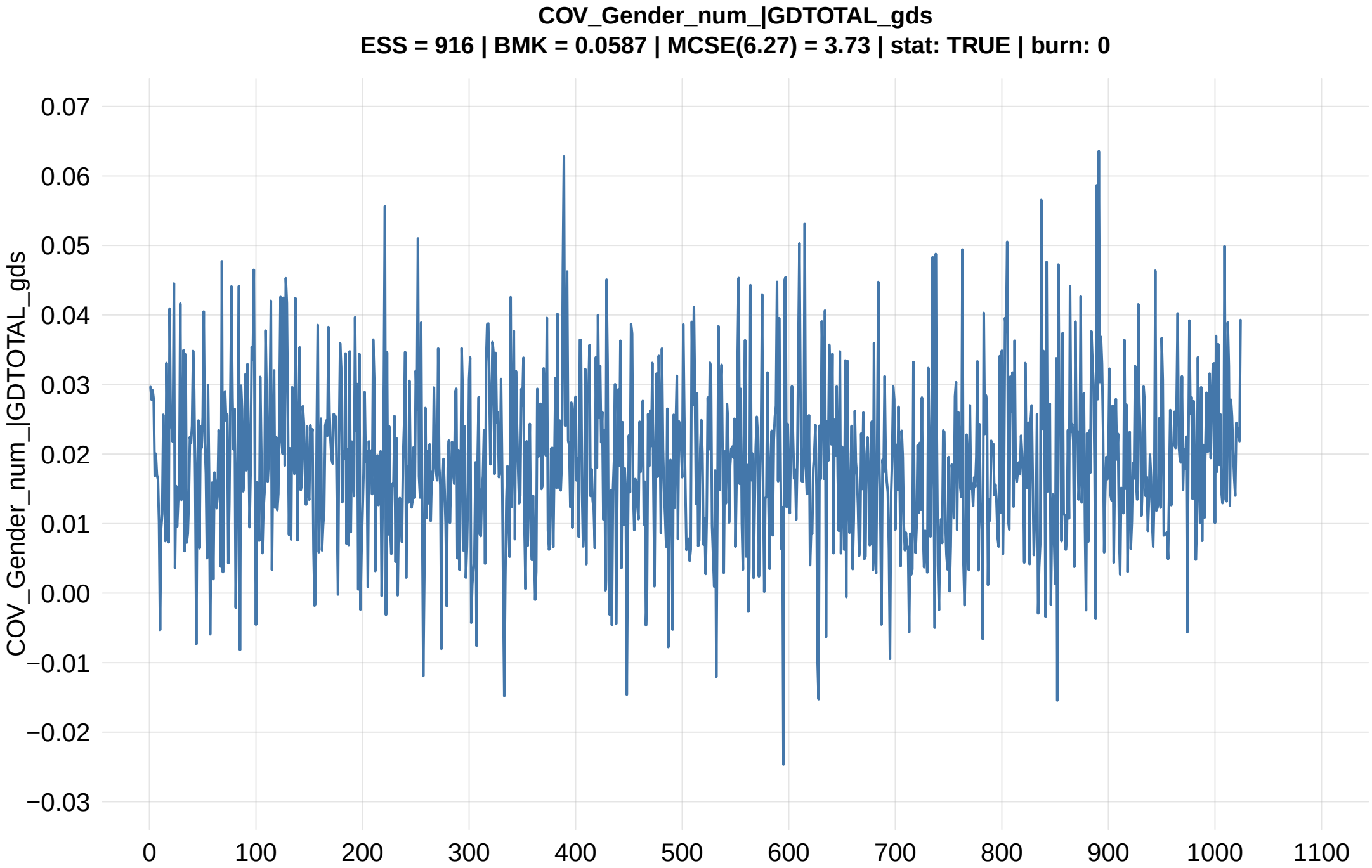

COV_Gender_num_|AVDELTOT_neuro
ESS = 1020 | BMK = 0.0471 | MCSE(6.27) = 3.58 | stat: TRUE | burn: 0
COV_Gender_num_|AVDELTOT_neuro
0.30
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
0
100
200
300
400
500
600
700
800
900
1000
1100

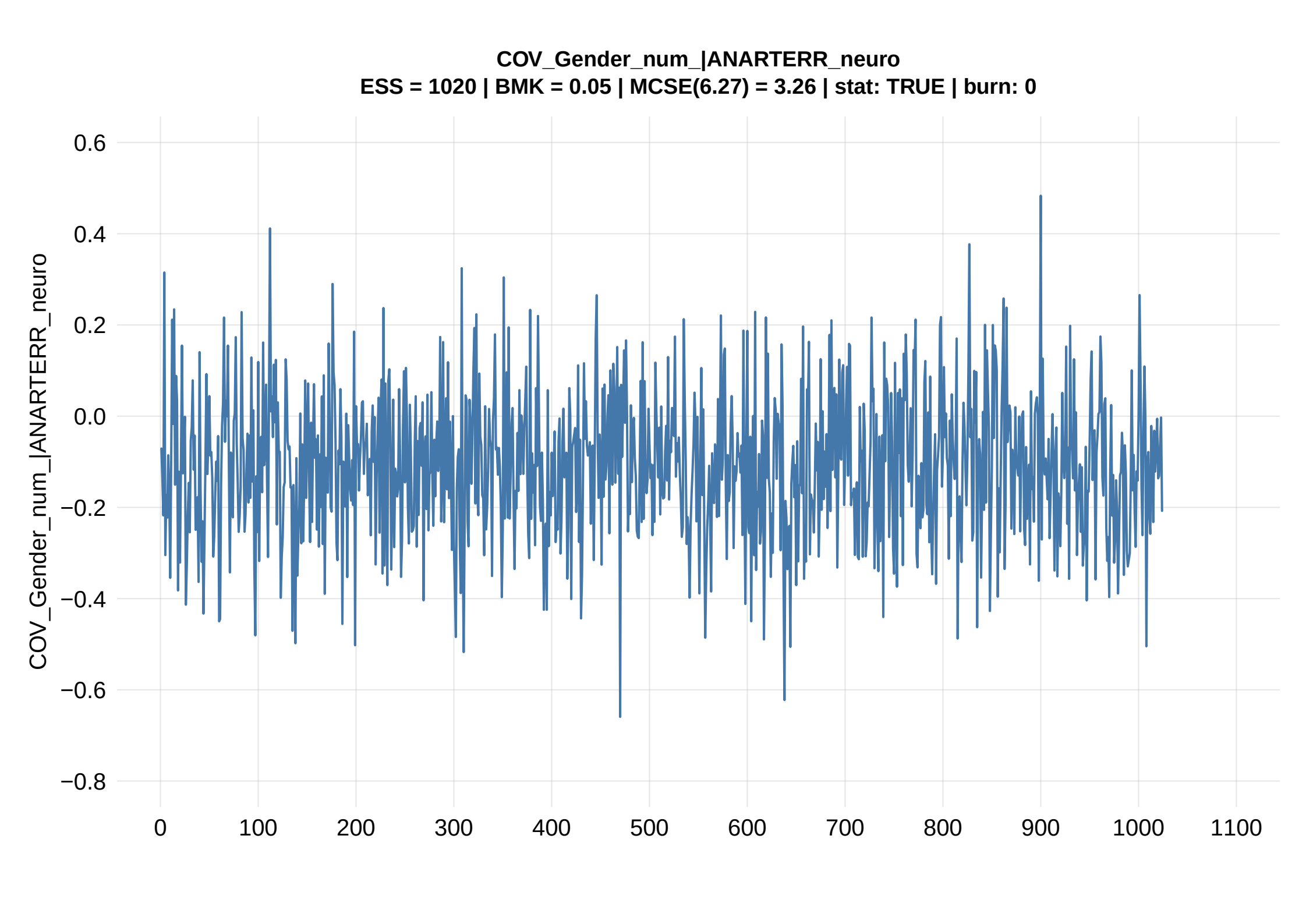

COV_Gender_num_|TRAASCOR_neuro
ESS = 1020 | BMK = 0.067 | MCSE(6.27) = 2.68 | stat: TRUE | burn: 0
COV_Gender_num_|TRAASCOR_neuro
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
0
100
200
300
400
500
600
700
800
900
1000
1100

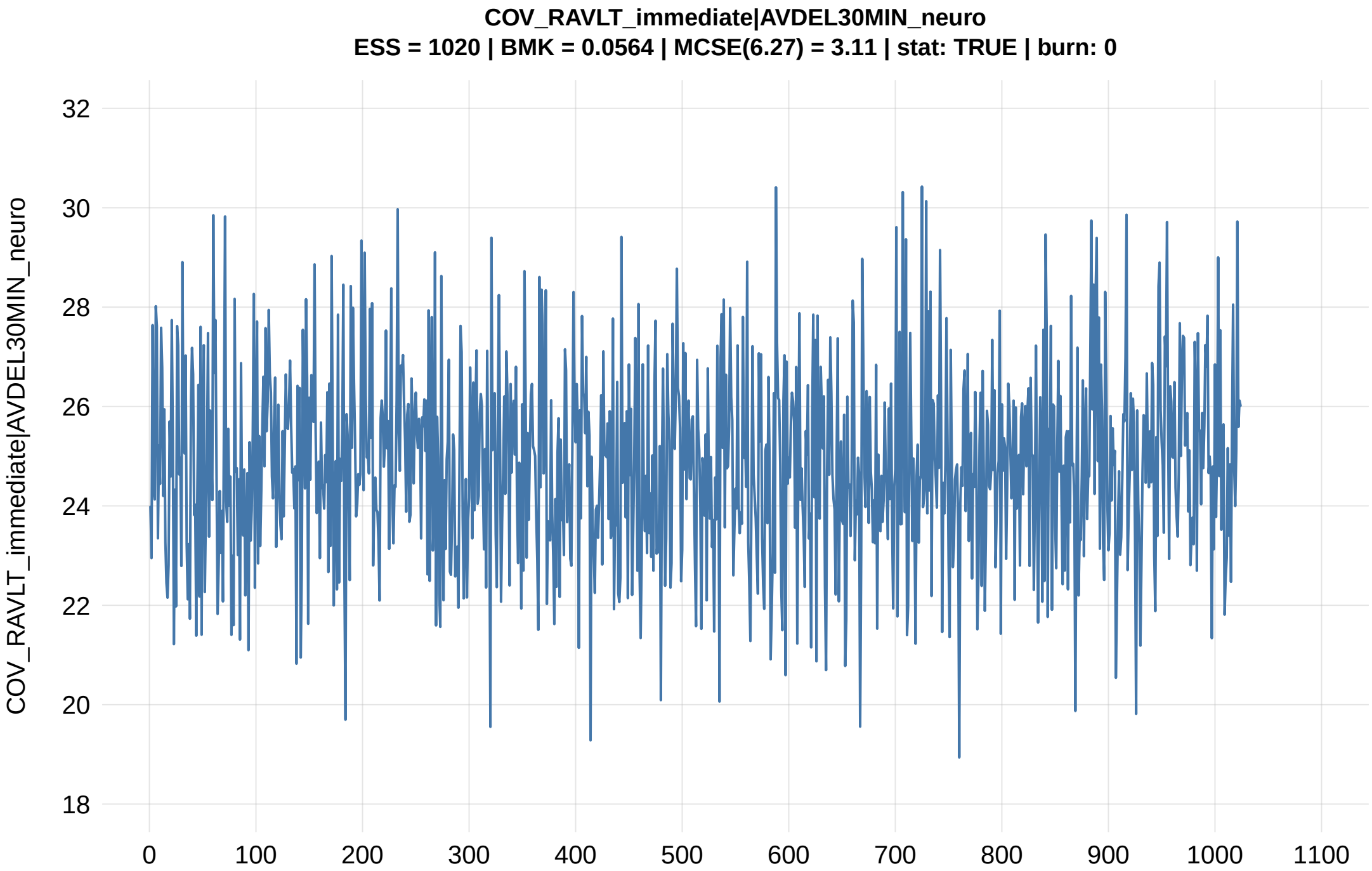

COV_Gender_num_|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0486 | MCSE(6.27) = 2.44 | stat: TRUE | burn: 0
COV_Gender_num_|TRABSCOR_neuro
6
5
4
3
2
1
0
−1
−2
−3
0
100
200
300
400
500
600
700
800
900
1000
1100

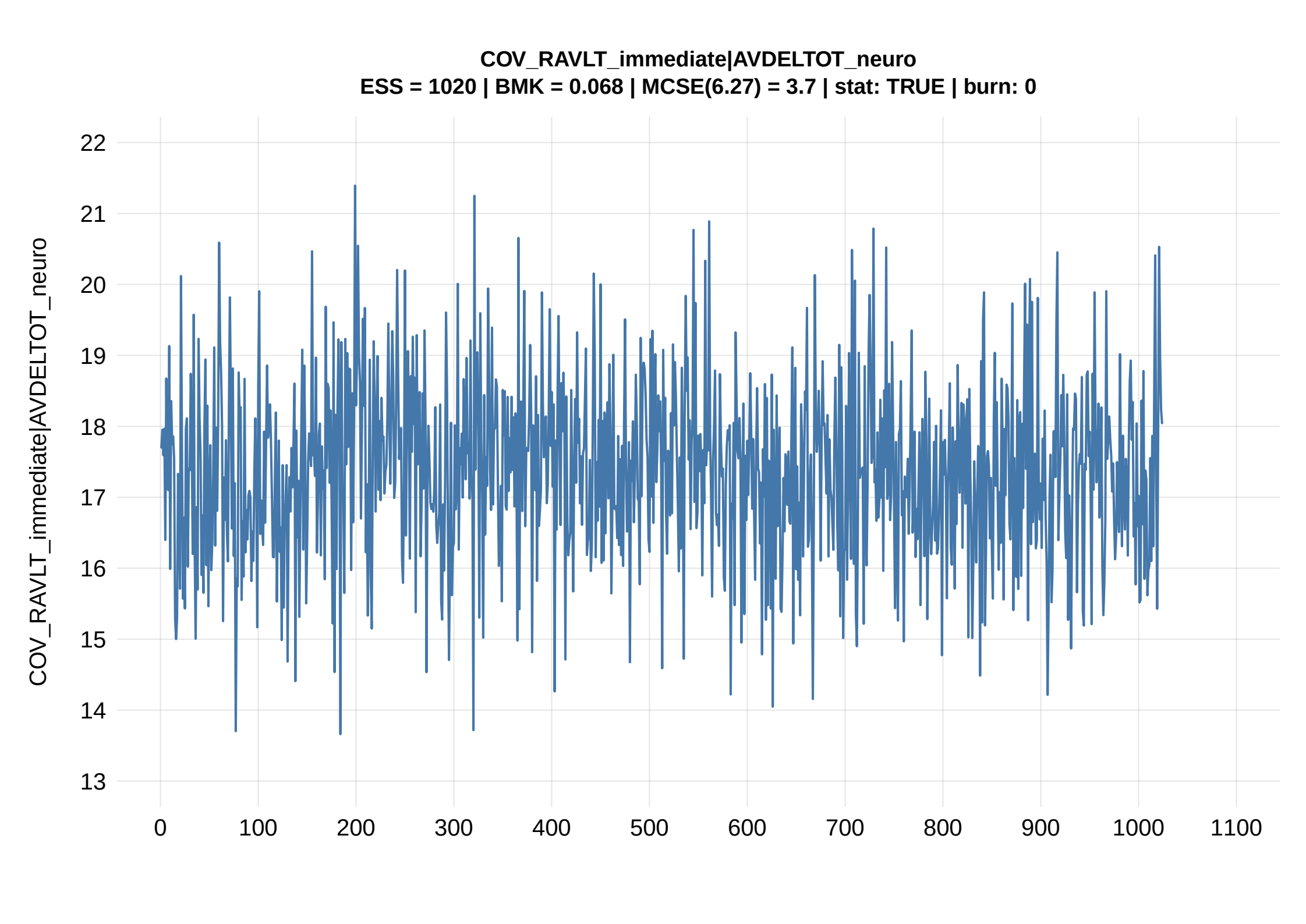

COV_Gender_num_|CATANIMSC_neuro
ESS = 1020 | BMK = 0.0493 | MCSE(6.27) = 3.58 | stat: TRUE | burn: 0
COV_Gender_num_|CATANIMSC_neuro
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
0
100
200
300
400
500
600
700
800
900
1000
1100

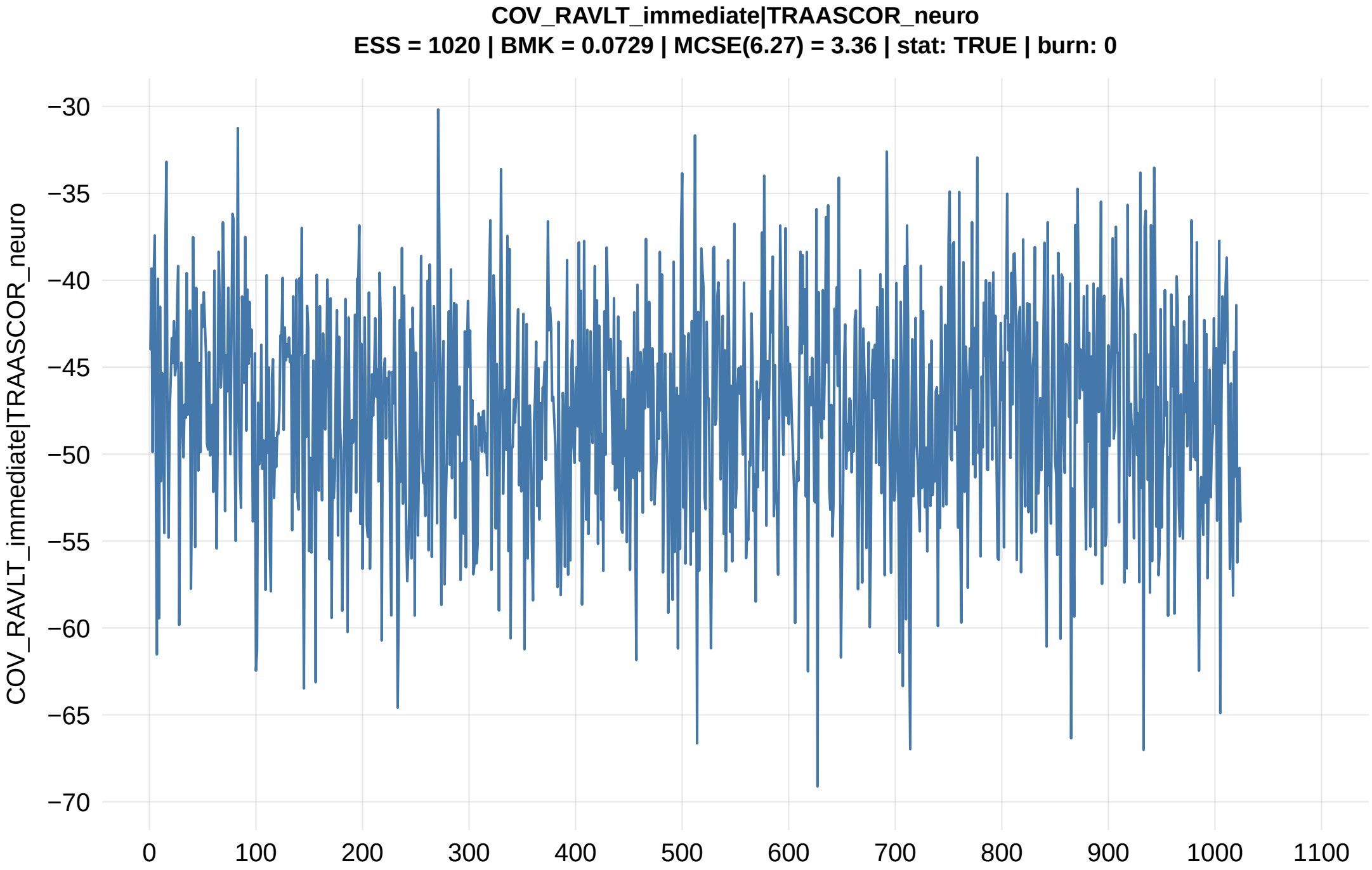

COV_Gender_num_|Apoe4_
ESS = 850 | BMK = 0.0445 | MCSE(6.27) = 3.13 | stat: TRUE | burn: 0
COV_Gender_num_|Apoe4
0.015
0.010
0.005
0.000
−0.005
−0.010
−0.015
−0.020
0
100
200
300
400
500
600
700
800
900
1000
1100

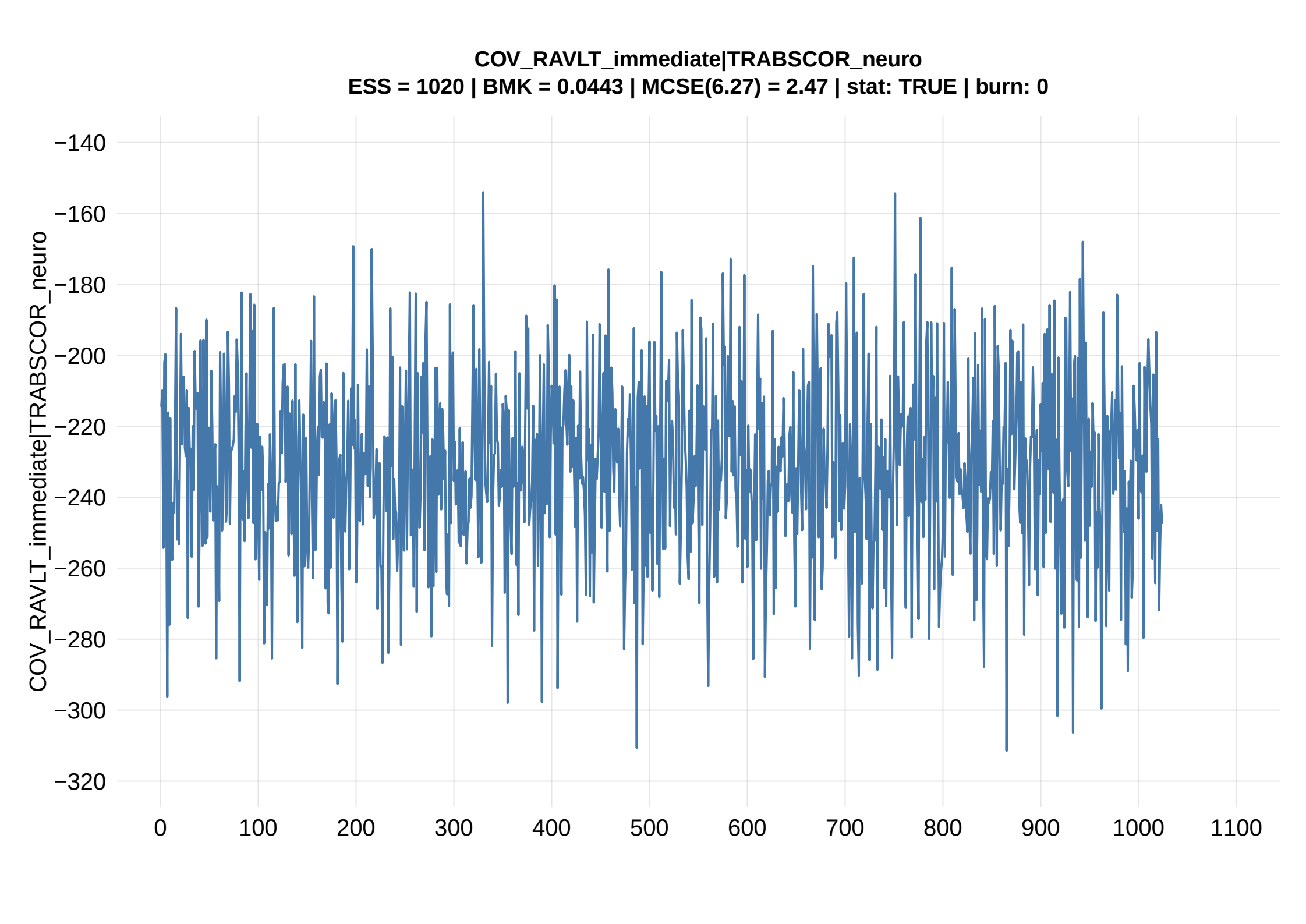

COV_Gender_num_|GDTOTAL_gds
ESS = 916 | BMK = 0.0587 | MCSE(6.27) = 3.73 | stat: TRUE | burn: 0
COV_Gender_num_|GDTOTAL_gds
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
0
100
200
300
400
500
600
700
800
900
1000
1100

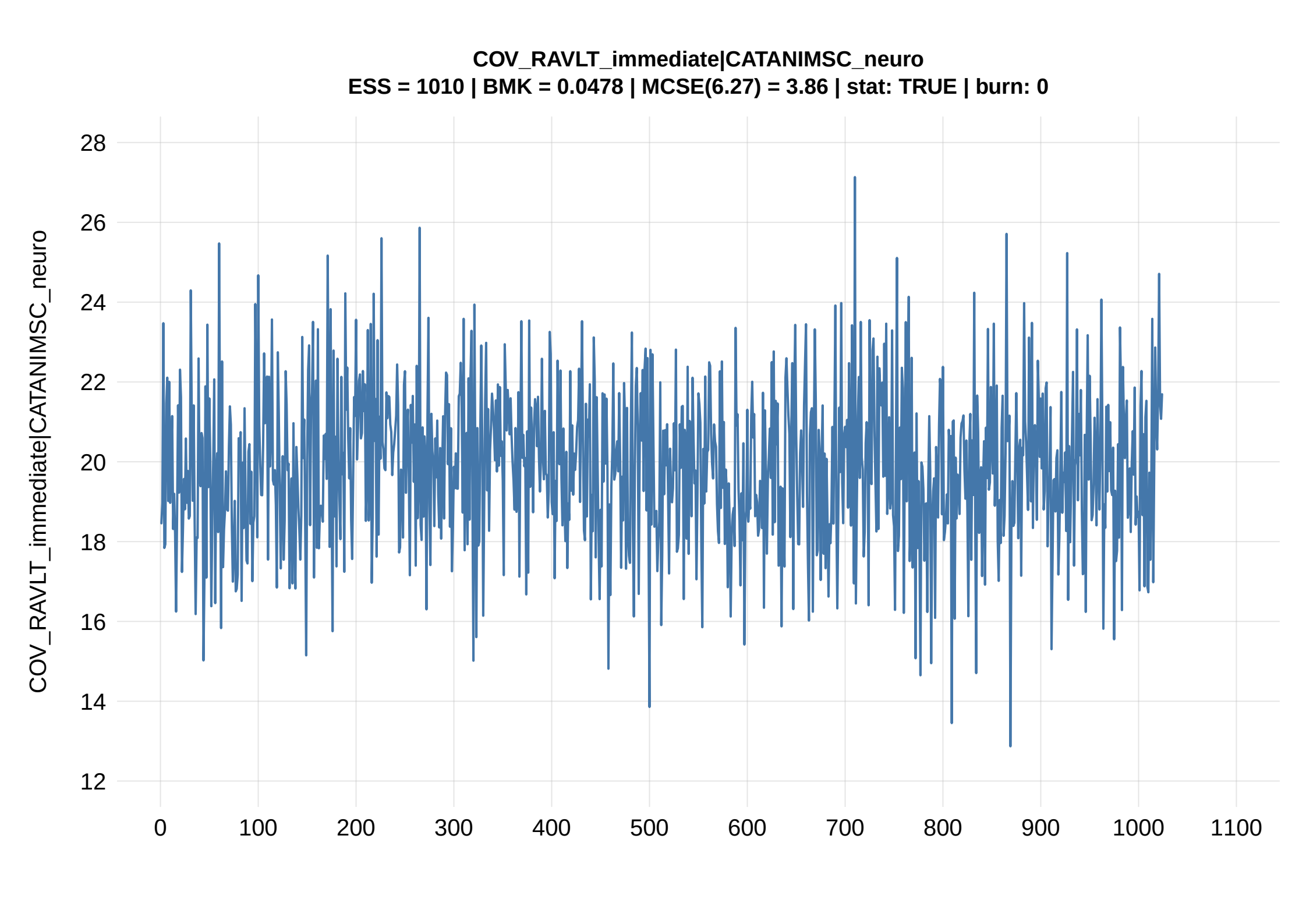

COV_Gender_num_|ANARTERR_neuro
ESS = 1020 | BMK = 0.05 | MCSE(6.27) = 3.26 | stat: TRUE | burn: 0
COV_Gender_num_|ANARTERR_neuro
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
0
100
200
300
400
500
600
700
800
900
1000
1100

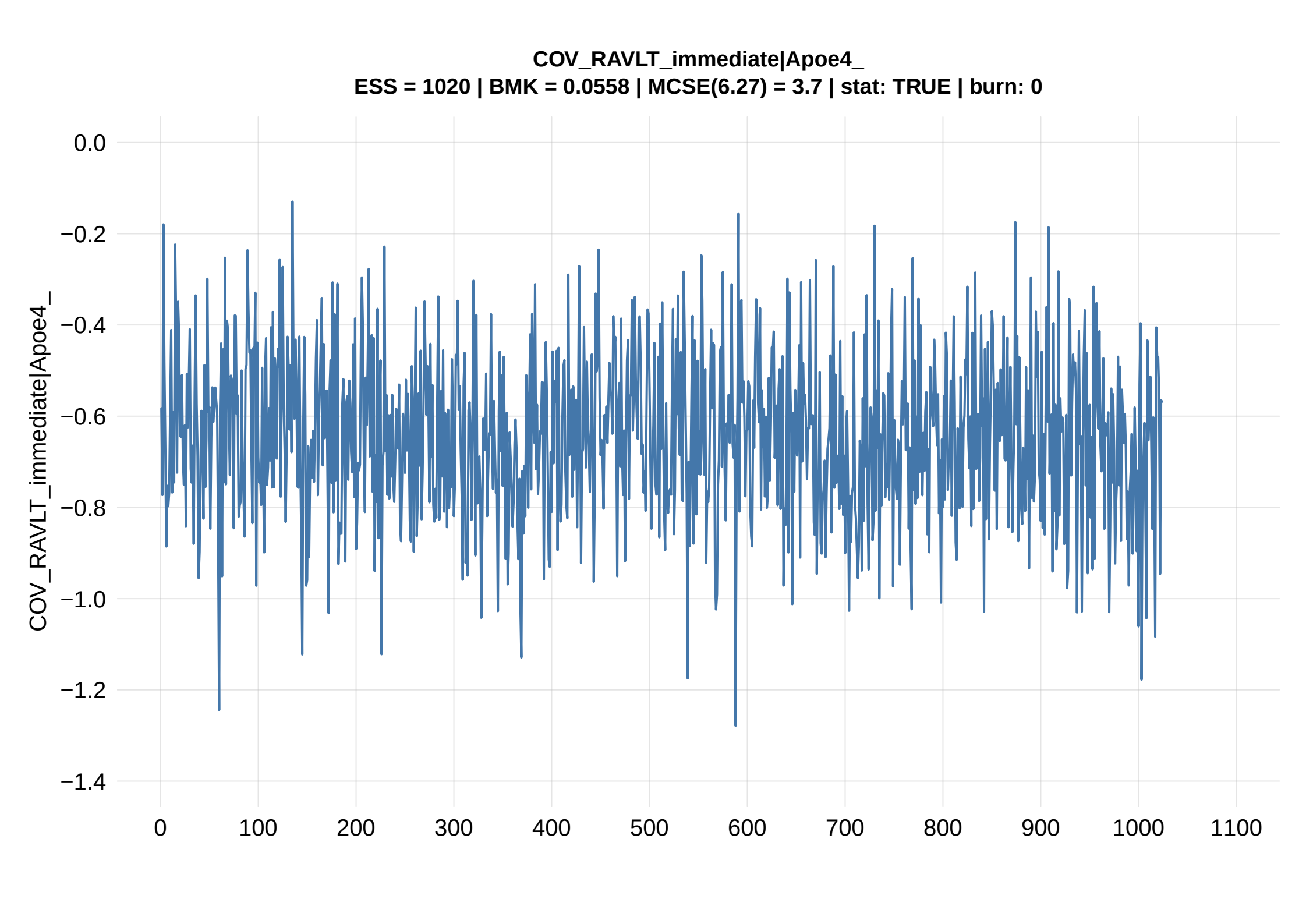

COV_RAVLT_immediate|AVDEL30MIN_neuro
ESS = 1020 | BMK = 0.0564 | MCSE(6.27) = 3.11 | stat: TRUE | burn: 0
COV_RAVLT_immediate|AVDEL30MIN_neuro
32
30
28
26
24
22
20
18
0
100
200
300
400
500
600
700
800
900
1000
1100

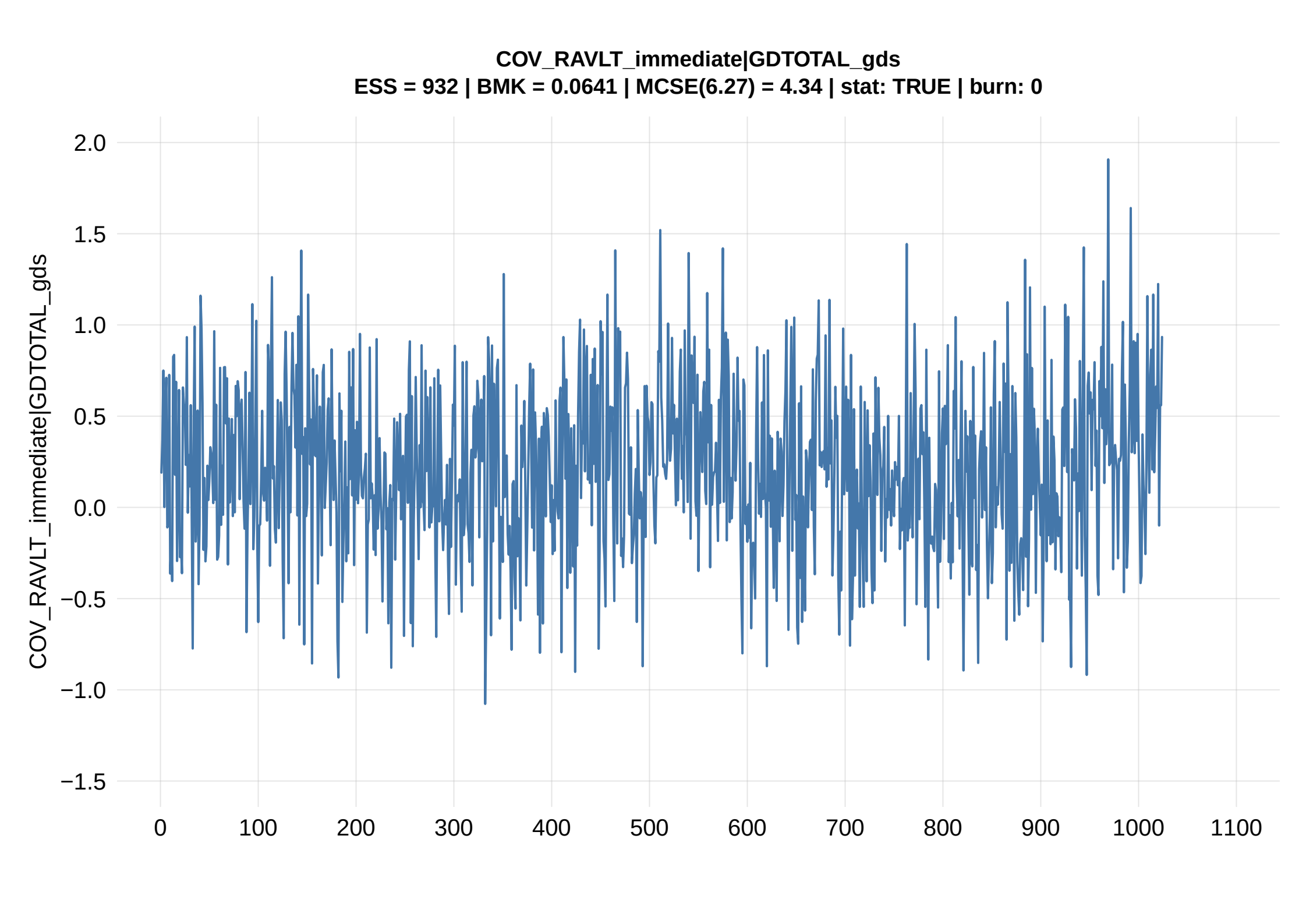

COV_RAVLT_immediate|AVDELTOT_neuro
ESS = 1020 | BMK = 0.068 | MCSE(6.27) = 3.7 | stat: TRUE | burn: 0
COV_RAVLT_immediate|AVDELTOT_neuro
22
21
20
19
18
17
16
15
14
13
0
100
200
300
400
500
600
700
800
900
1000
1100

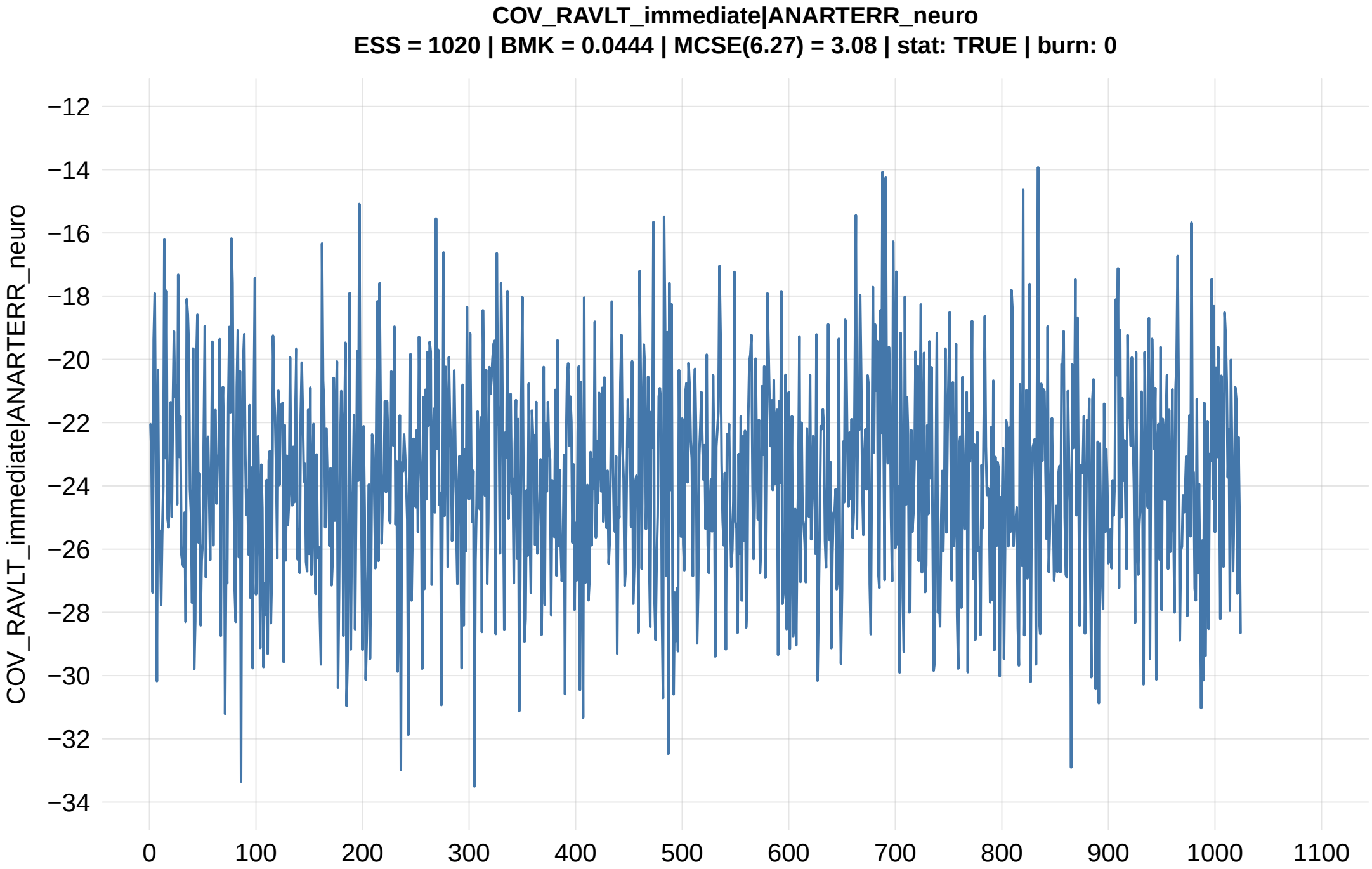

COV_RAVLT_immediate|TRAASCOR_neuro
ESS = 1020 | BMK = 0.0729 | MCSE(6.27) = 3.36 | stat: TRUE | burn: 0
COV_RAVLT_immediate|TRAASCOR_neuro
−30
−35
−40
−45
−50
−55
−60
−65
−70
0
100
200
300
400
500
600
700
800
900
1000
1100

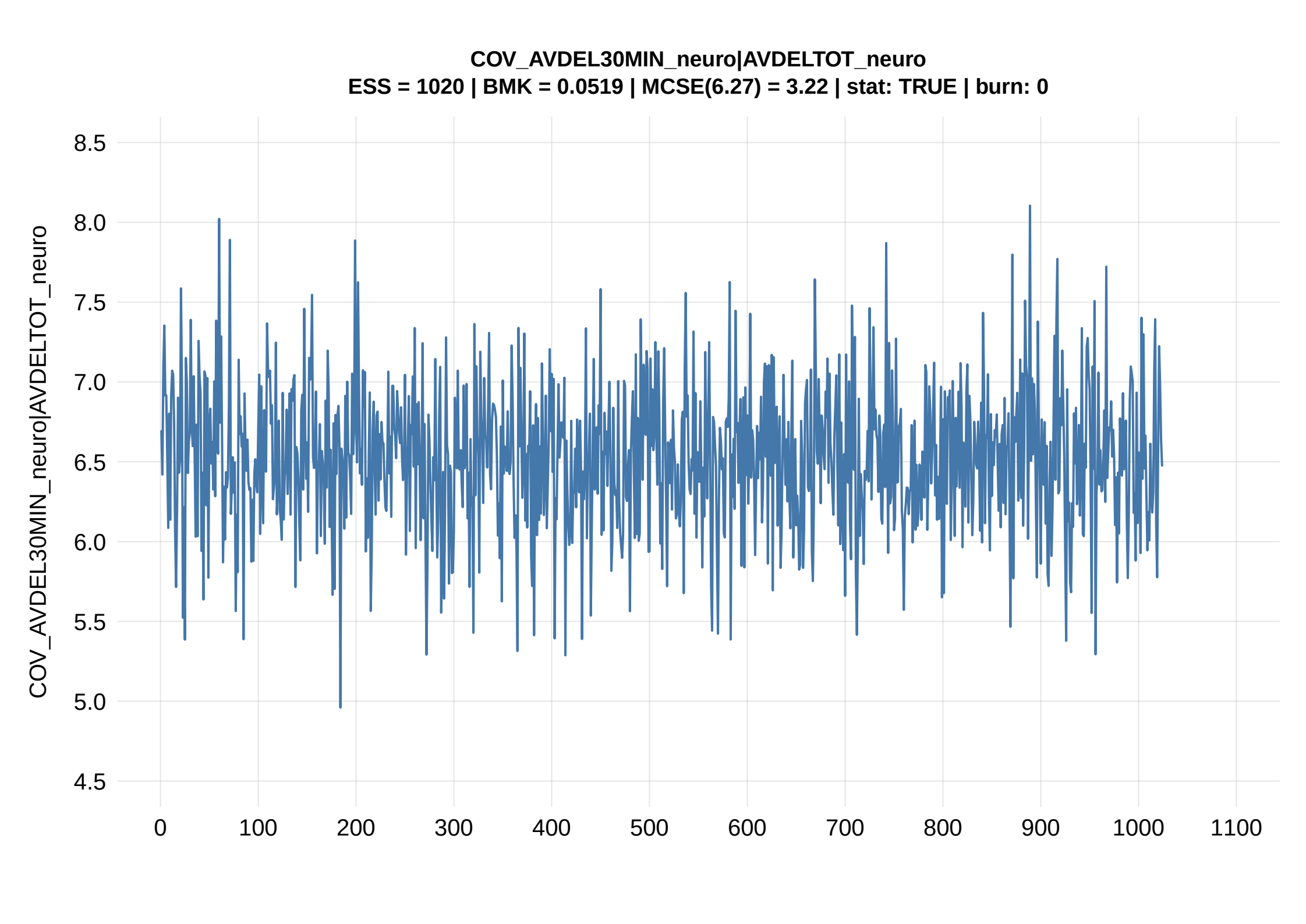

COV_RAVLT_immediate|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0443 | MCSE(6.27) = 2.47 | stat: TRUE | burn: 0
COV_RAVLT_immediate|TRABSCOR_neuro
−140
−160
−180
−200
−220
−240
−260
−280
−300
−320
0
100
200
300
400
500
600
700
800
900
1000
1100

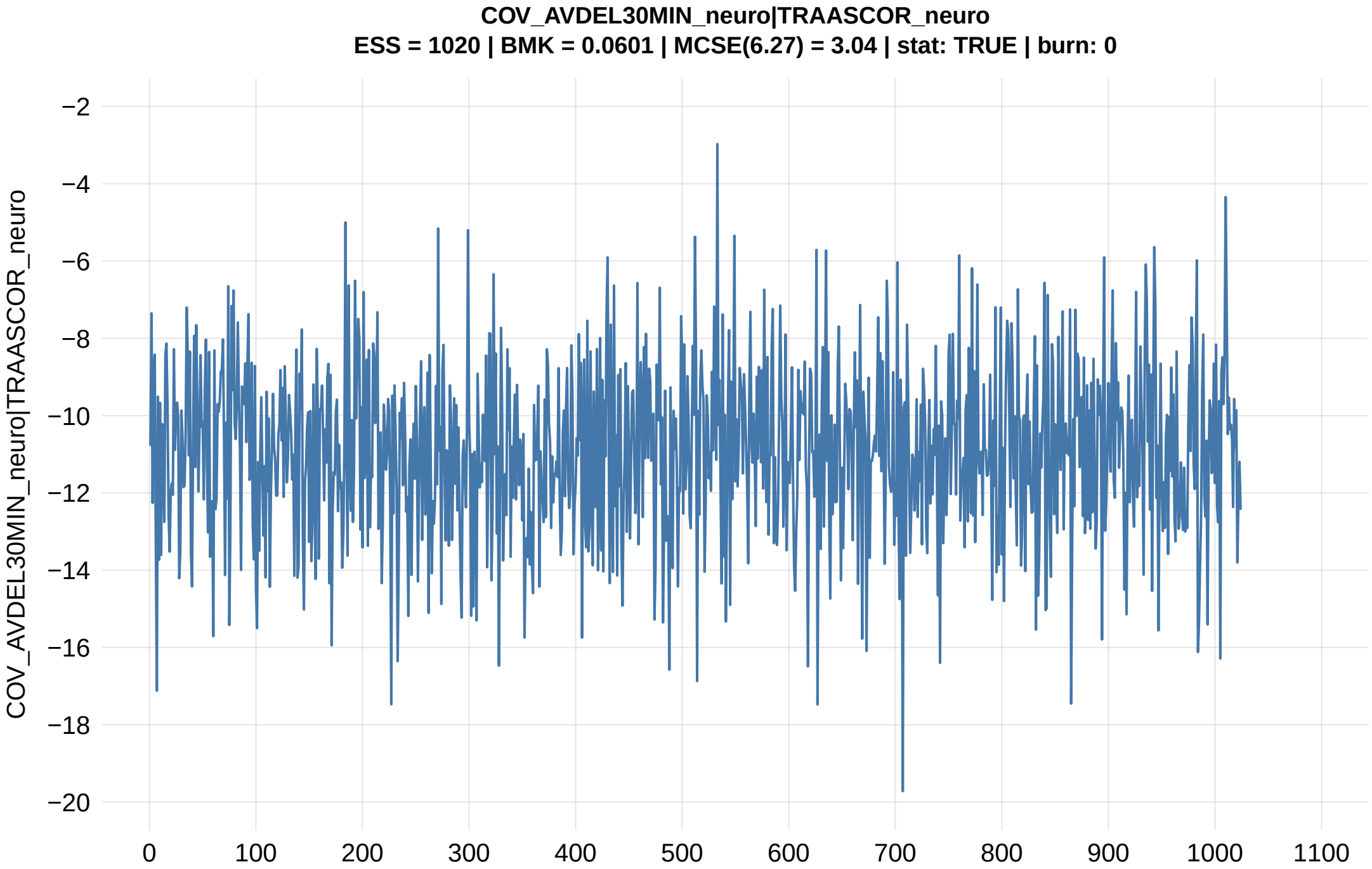

COV_RAVLT_immediate|CATANIMSC_neuro
ESS = 1010 | BMK = 0.0478 | MCSE(6.27) = 3.86 | stat: TRUE | burn: 0
COV_RAVLT_immediate|CATANIMSC_neuro
28
26
24
22
20
18
16
14
12
0
100
200
300
400
500
600
700
800
900
1000
1100

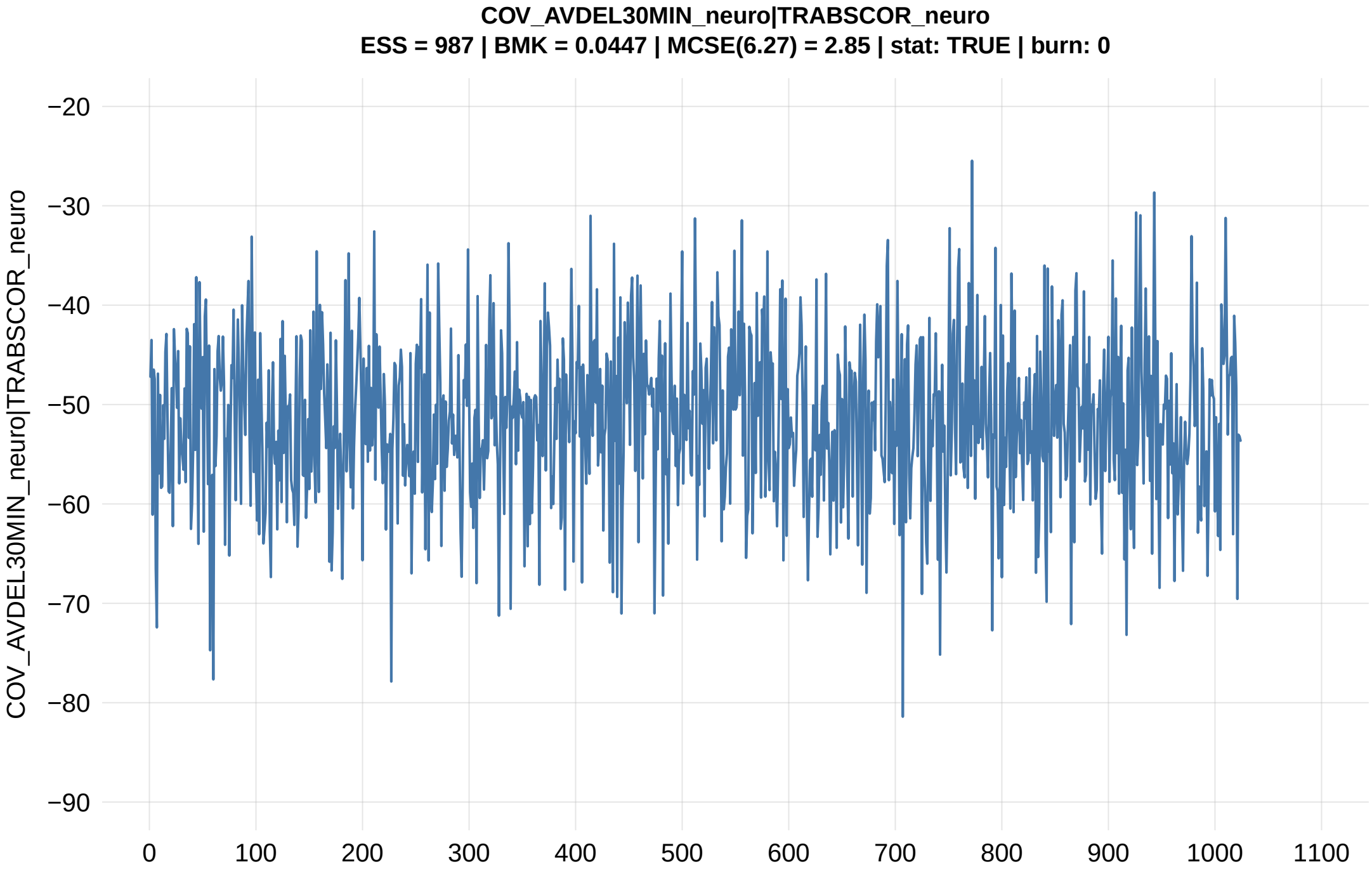

COV_RAVLT_immediate|Apoe4_
ESS = 1020 | BMK = 0.0558 | MCSE(6.27) = 3.7 | stat: TRUE | burn: 0
COV_RAVLT_immediate|Apoe4_
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
−1.4
0
100
200
300
400
500
600
700
800
900
1000
1100

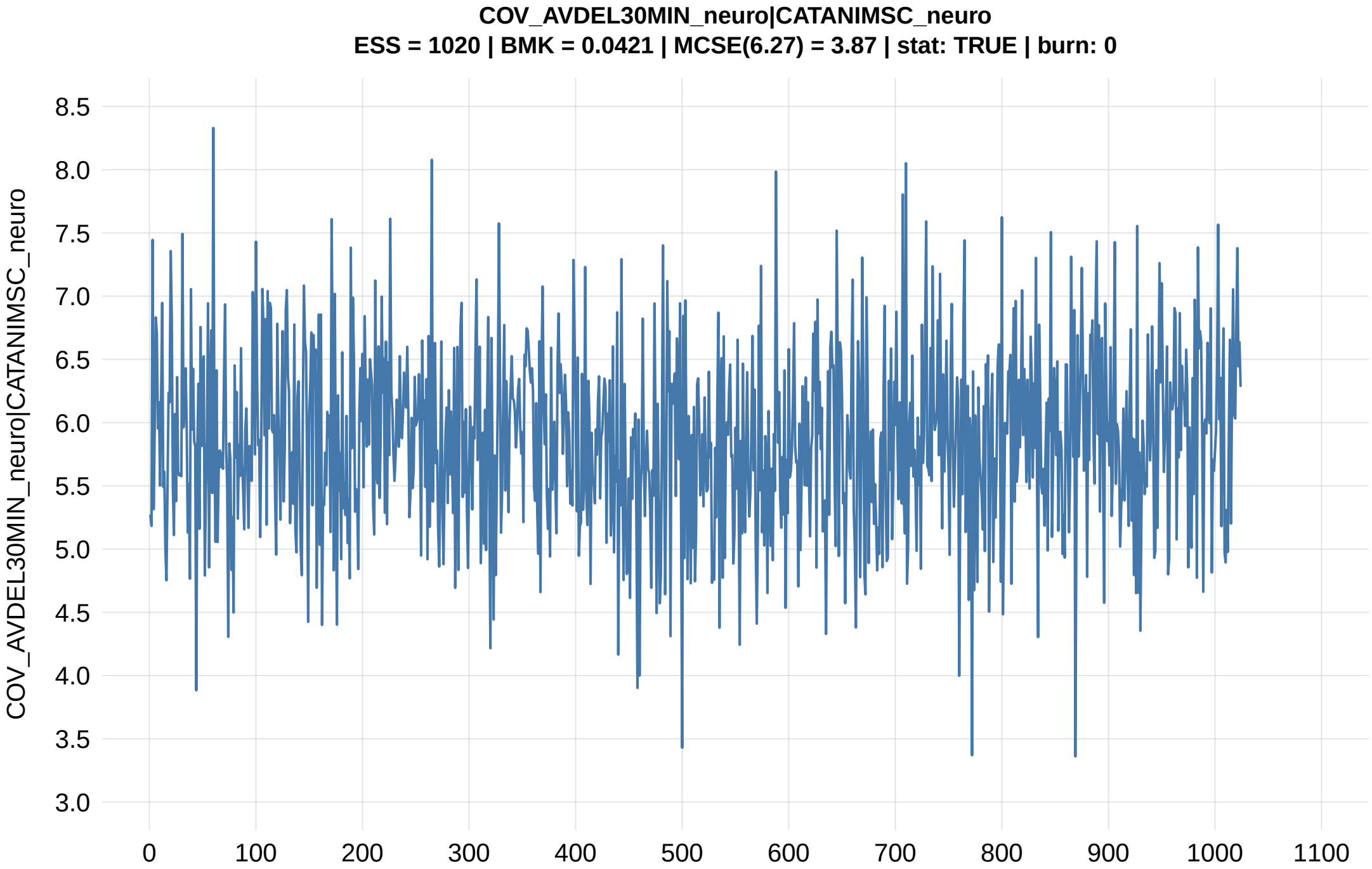

COV_RAVLT_immediate|GDTOTAL_gds
ESS = 932 | BMK = 0.0641 | MCSE(6.27) = 4.34 | stat: TRUE | burn: 0
COV_RAVLT_immediate|GDTOTAL_gds
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
0
100
200
300
400
500
600
700
800
900
1000
1100

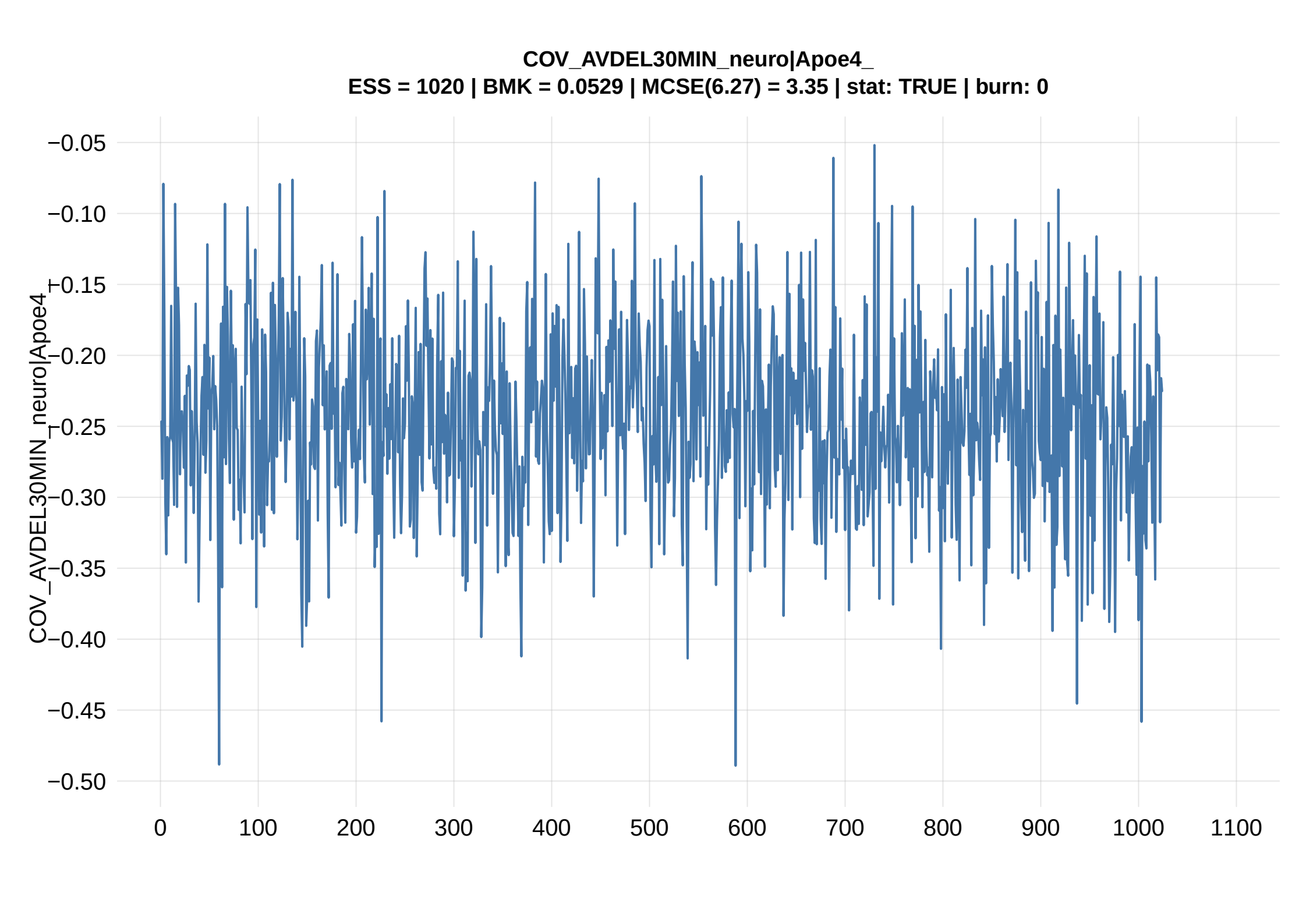

COV_RAVLT_immediate|ANARTERR_neuro
ESS = 1020 | BMK = 0.0444 | MCSE(6.27) = 3.08 | stat: TRUE | burn: 0
COV_RAVLT_immediate|ANARTERR_neuro
−12
−14
−16
−18
−20
−22
−24
−26
−28
−30
−32
−34
0
100
200
300
400
500
600
700
800
900
1000
1100

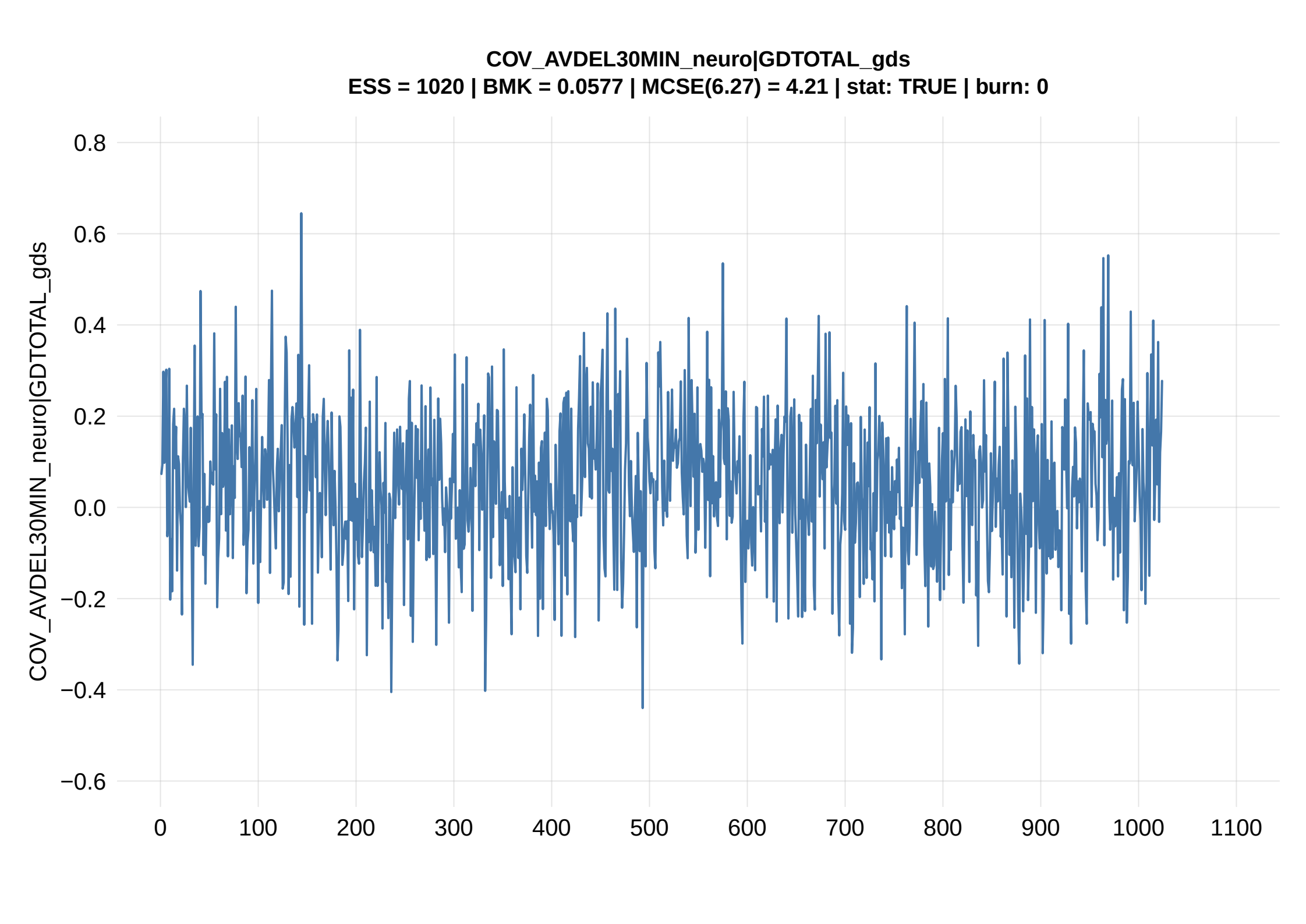

COV_AVDEL30MIN_neuro|AVDELTOT_neuro
ESS = 1020 | BMK = 0.0519 | MCSE(6.27) = 3.22 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|AVDELTOT_neuro
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
0
100
200
300
400
500
600
700
800
900
1000
1100

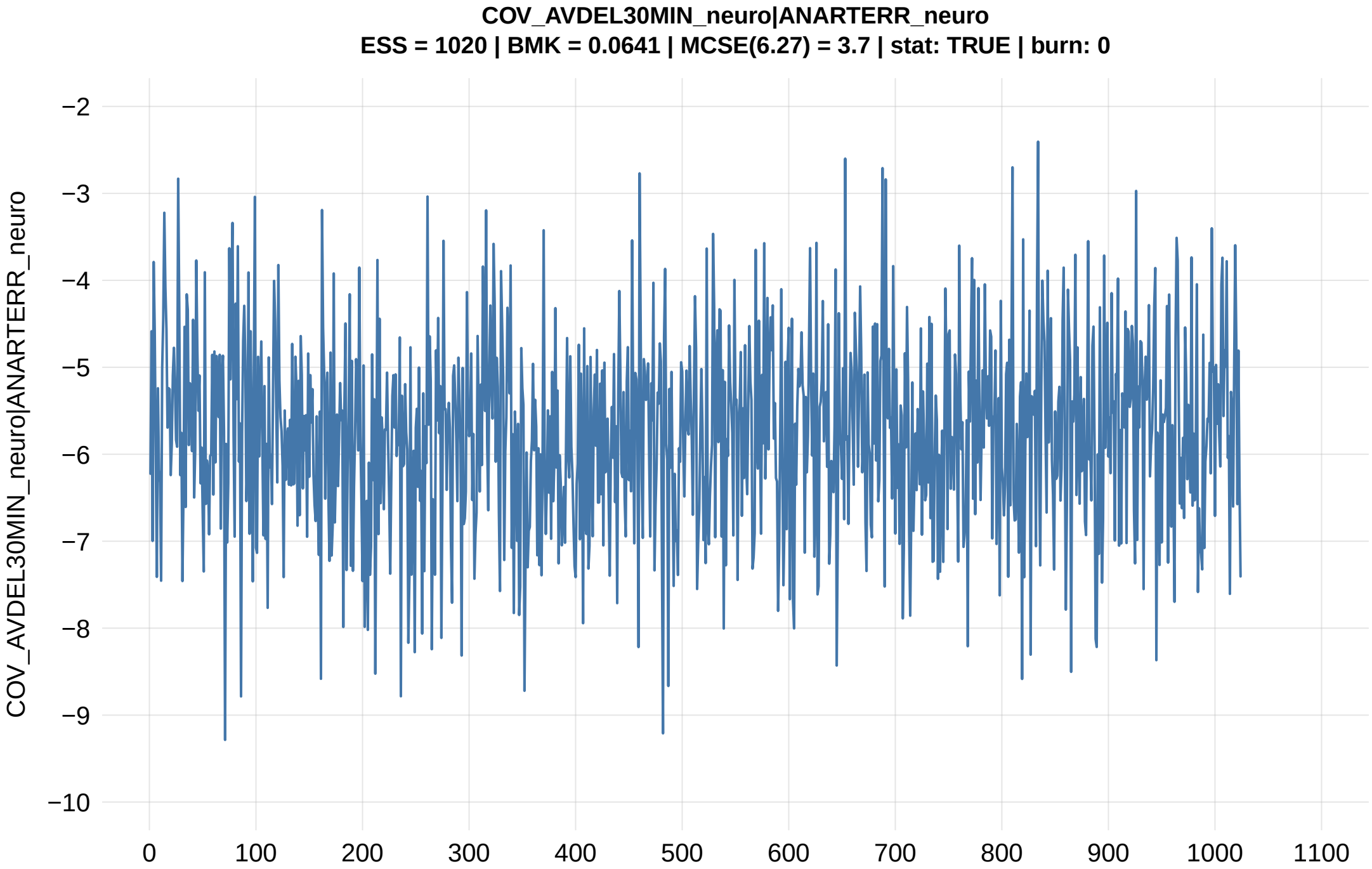

COV_AVDEL30MIN_neuro|TRAASCOR_neuro
ESS = 1020 | BMK = 0.0601 | MCSE(6.27) = 3.04 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|TRAASCOR_neuro
−2
−4
−6
−8
−10
−12
−14
−16
−18
−20
0
100
200
300
400
500
600
700
800
900
1000
1100

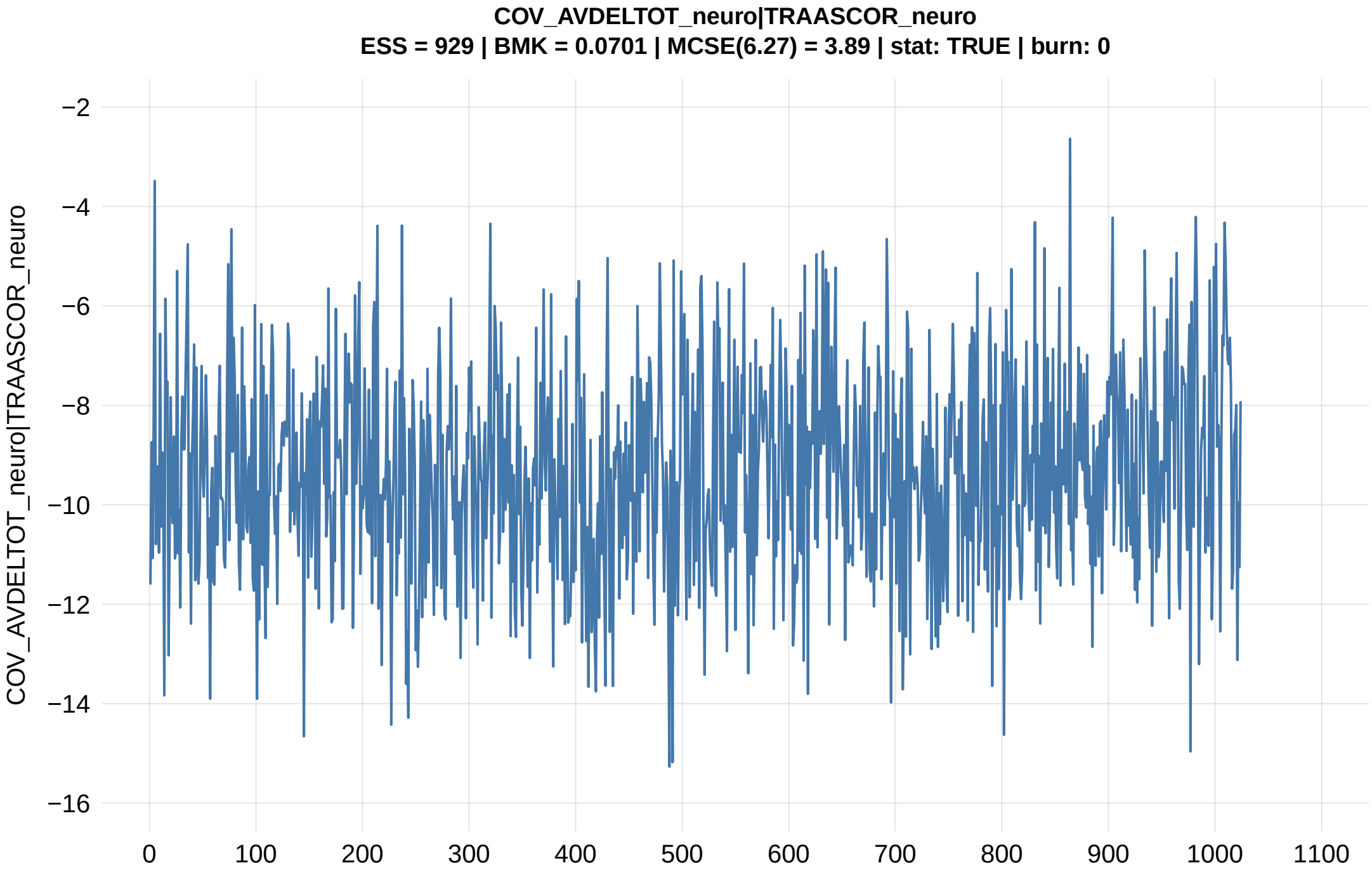

COV_AVDEL30MIN_neuro|TRABSCOR_neuro
ESS = 987 | BMK = 0.0447 | MCSE(6.27) = 2.85 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|TRABSCOR_neuro
−20
−30
−40
−50
−60
−70
−80
−90
0
100
200
300
400
500
600
700
800
900
1000
1100

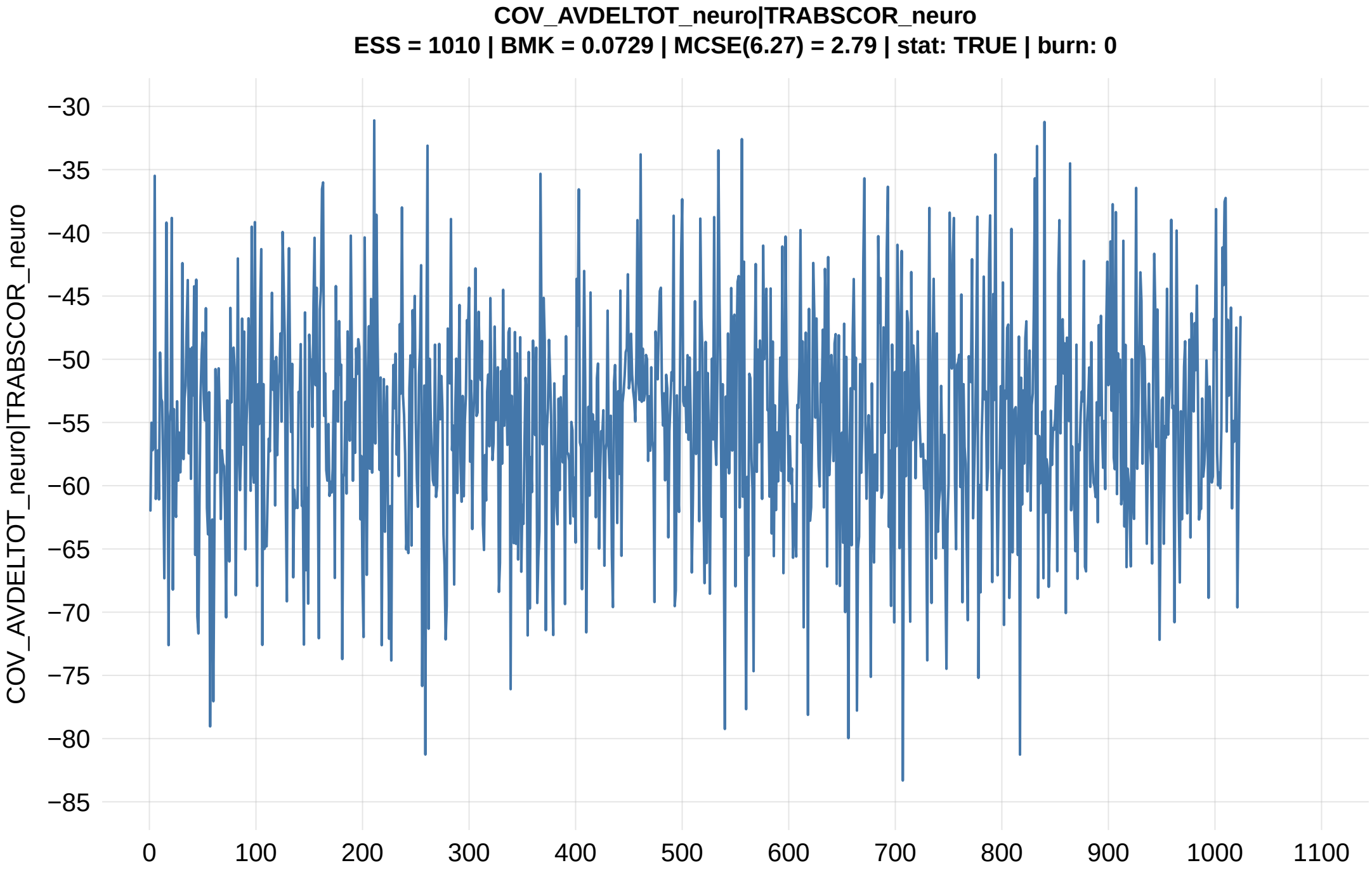

COV_AVDEL30MIN_neuro|CATANIMSC_neuro
ESS = 1020 | BMK = 0.0421 | MCSE(6.27) = 3.87 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|CATANIMSC_neuro
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
0
100
200
300
400
500
600
700
800
900
1000
1100

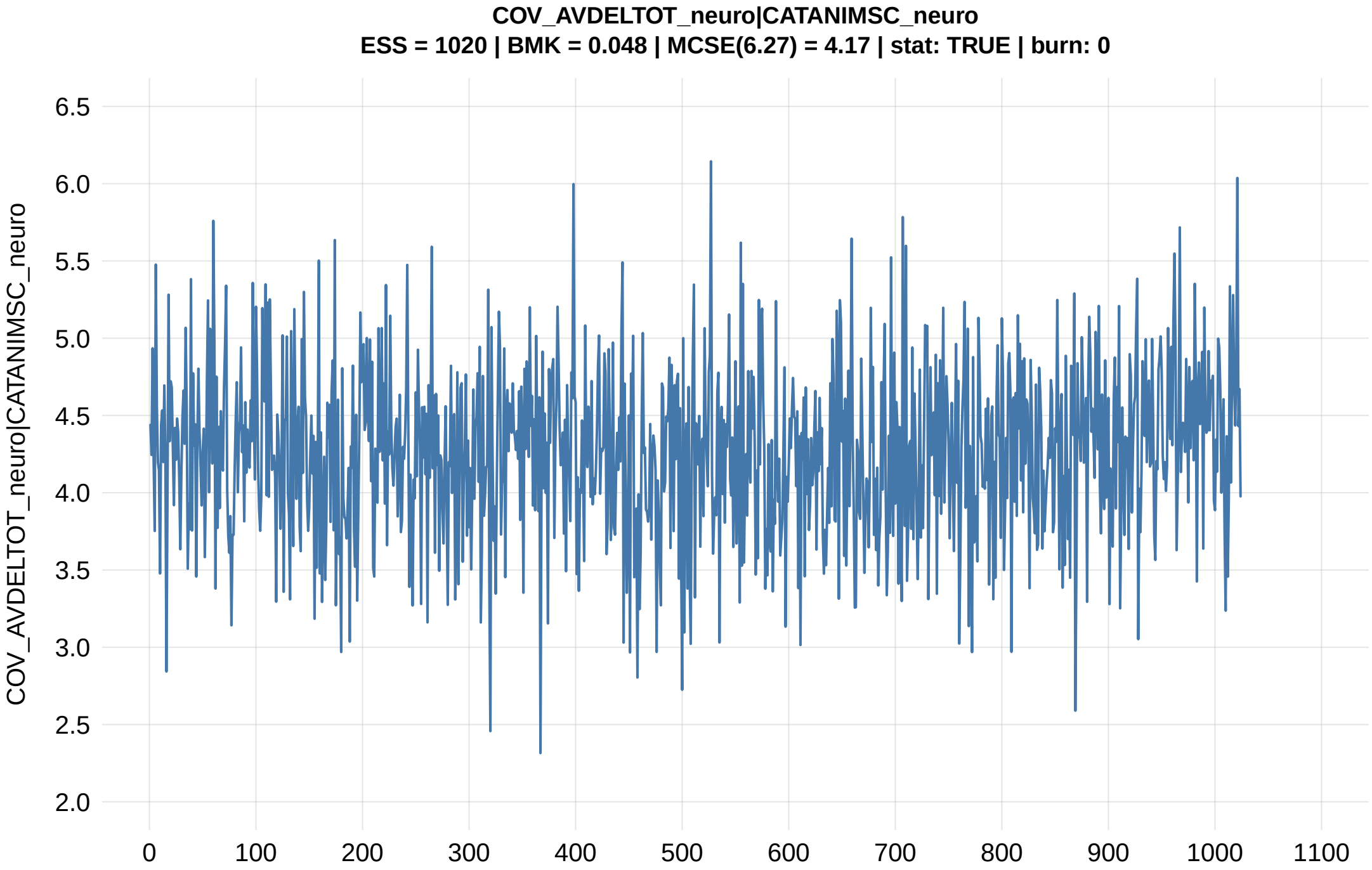

COV_AVDEL30MIN_neuro|Apoe4_
ESS = 1020 | BMK = 0.0529 | MCSE(6.27) = 3.35 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|Apoe4
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
−0.35
−0.40
−0.45
−0.50
0
100
200
300
400
500
600
700
800
900
1000
1100

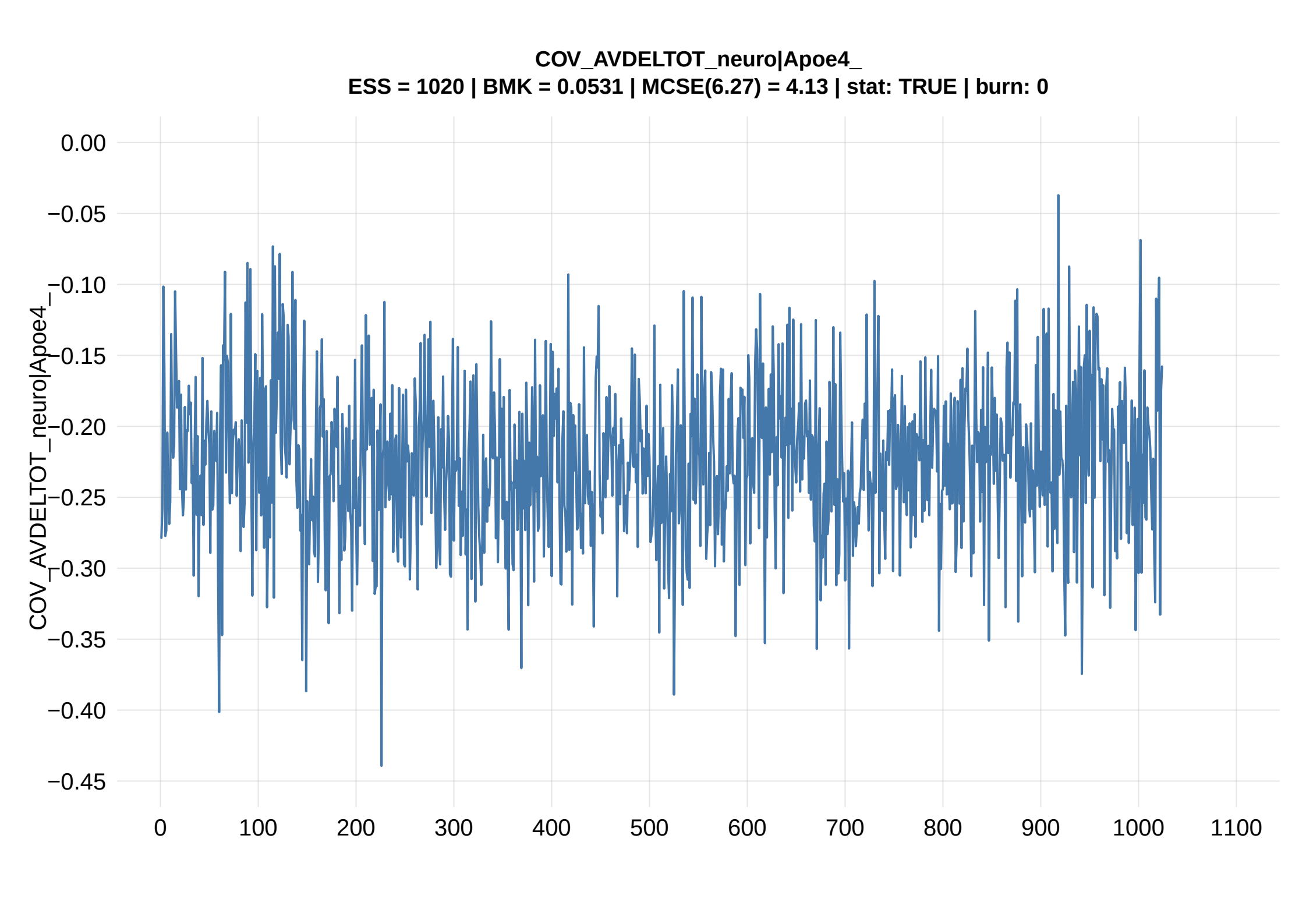

COV_AVDEL30MIN_neuro|GDTOTAL_gds
ESS = 1020 | BMK = 0.0577 | MCSE(6.27) = 4.21 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|GDTOTAL_gds
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
0
100
200
300
400
500
600
700
800
900
1000
1100

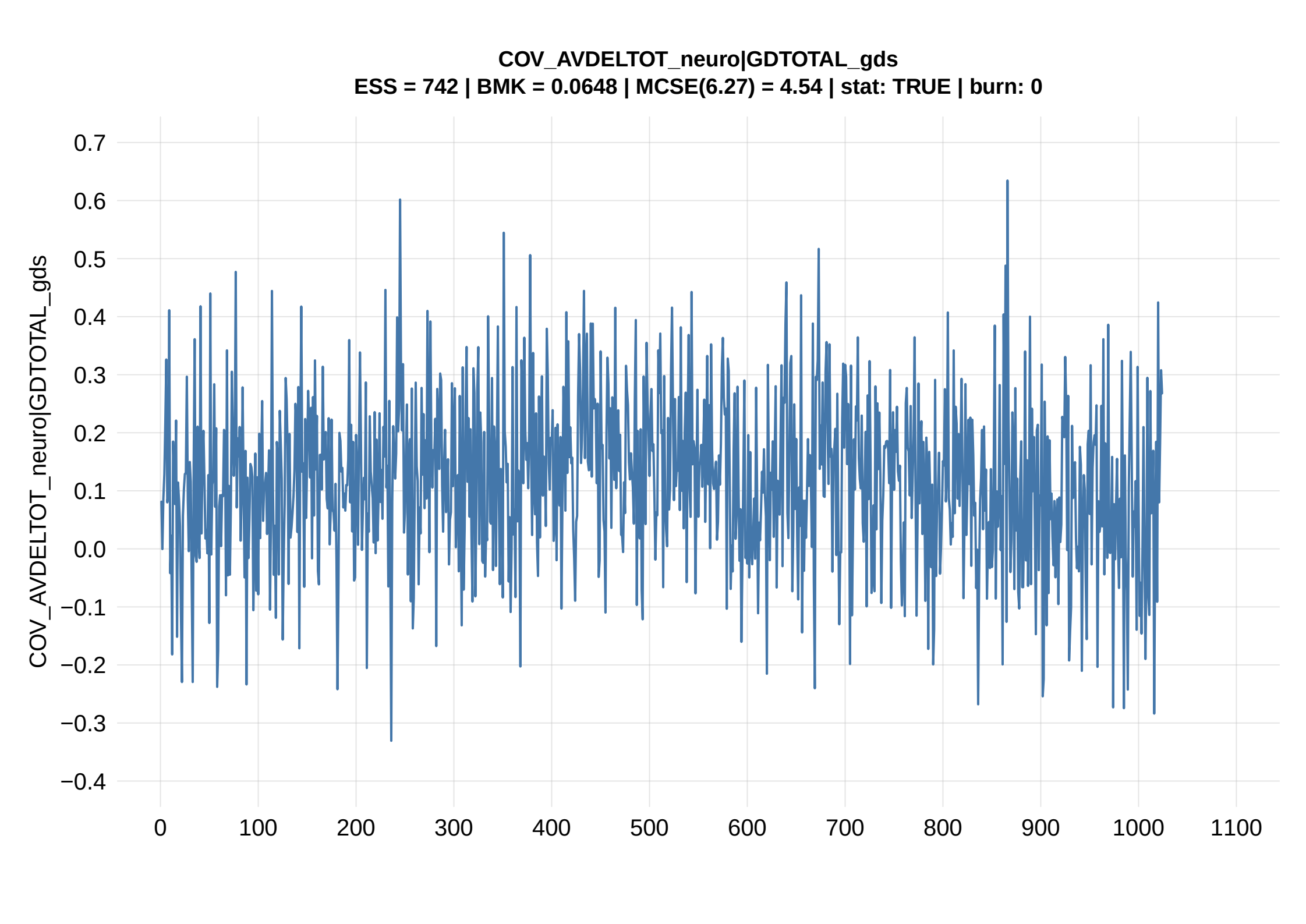

COV_AVDEL30MIN_neuro|ANARTERR_neuro
ESS = 1020 | BMK = 0.0641 | MCSE(6.27) = 3.7 | stat: TRUE | burn: 0
COV_AVDEL30MIN_neuro|ANARTERR_neuro
−2
−3
−4
−5
−6
−7
−8
−9
−10
0
100
200
300
400
500
600
700
800
900
1000
1100

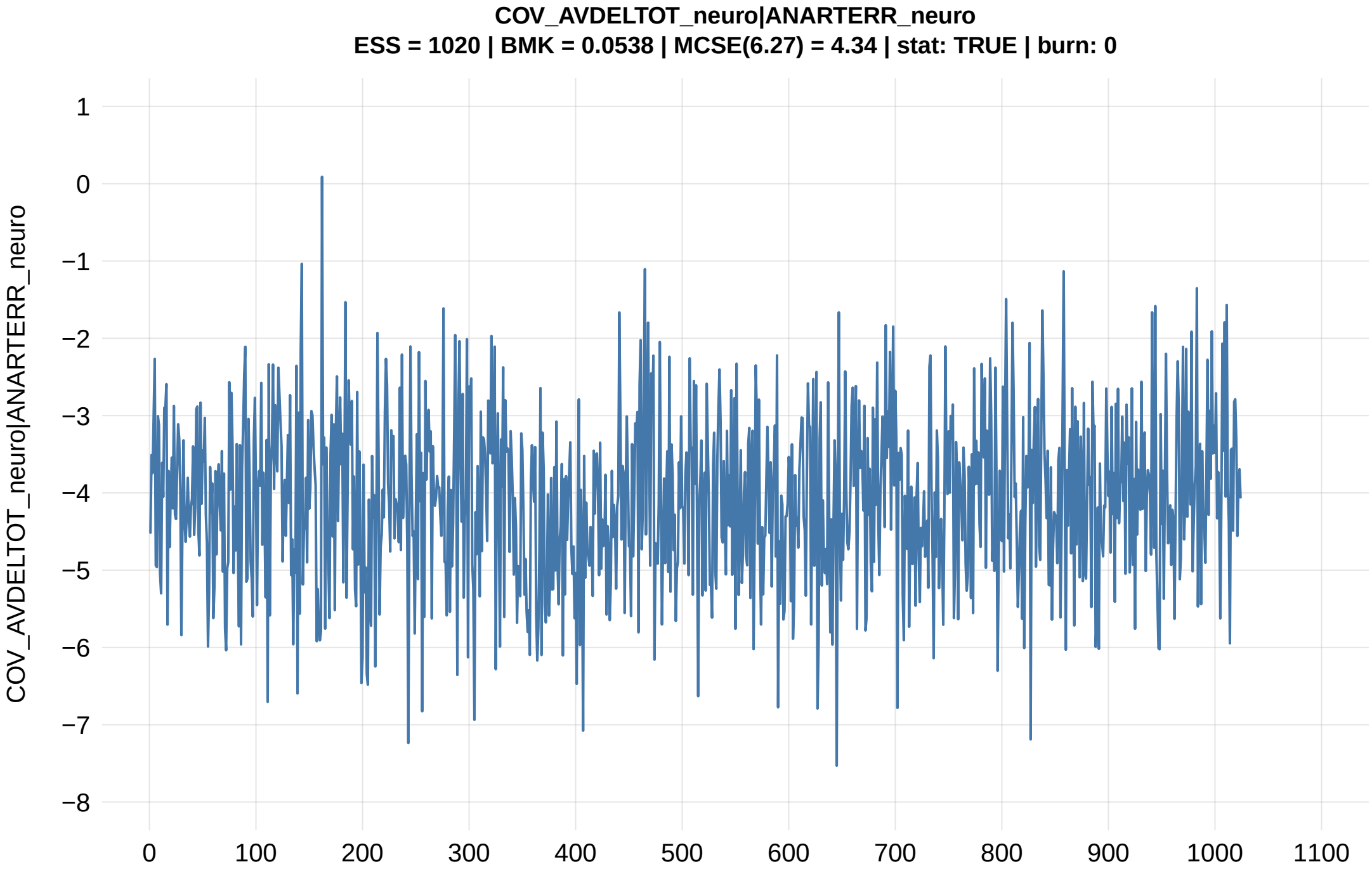

COV_AVDELTOT_neuro|TRAASCOR_neuro
ESS = 929 | BMK = 0.0701 | MCSE(6.27) = 3.89 | stat: TRUE | burn: 0
COV_AVDELTOT_neuro|TRAASCOR_neuro
−2
−4
−6
−8
−10
−12
−14
−16
0
100
200
300
400
500
600
700
800
900
1000
1100

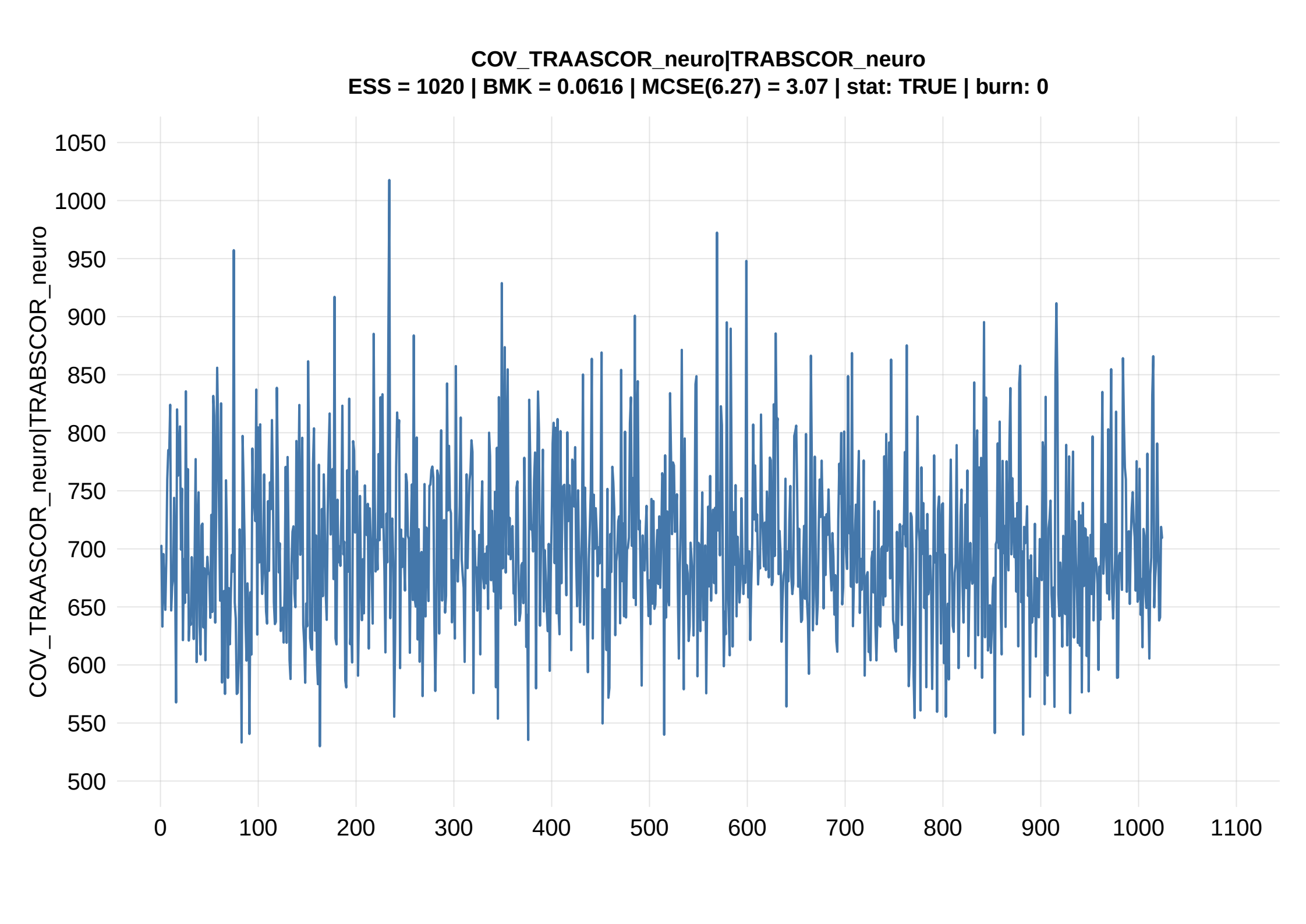

COV_AVDELTOT_neuro|TRABSCOR_neuro
ESS = 1010 | BMK = 0.0729 | MCSE(6.27) = 2.79 | stat: TRUE | burn: 0
COV_AVDELTOT_neuro|TRABSCOR_neuro
−30
−35
−40
−45
−50
−55
−60
−65
−70
−75
−80
−85
0
100
200
300
400
500
600
700
800
900
1000
1100

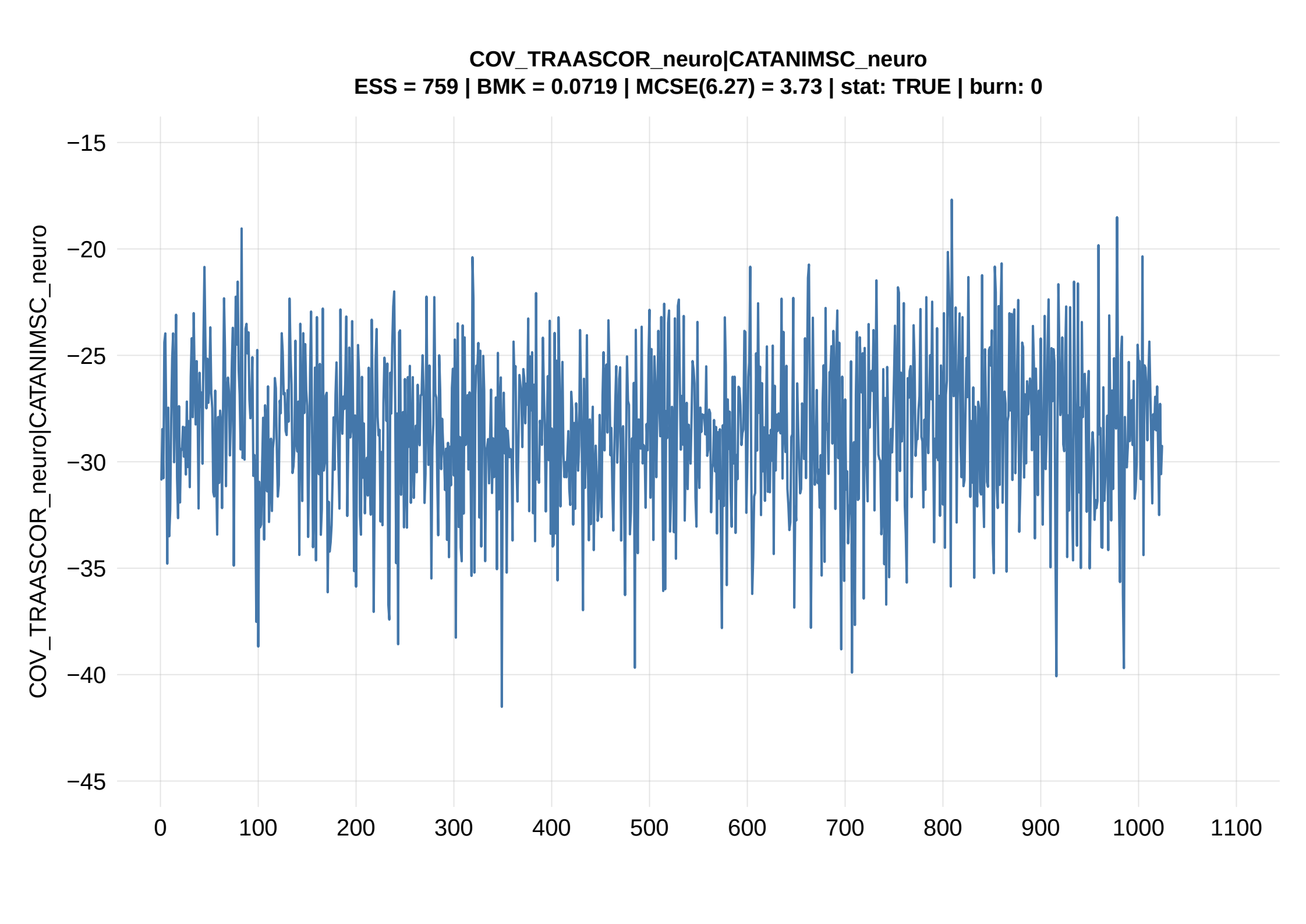

COV_AVDELTOT_neuro|CATANIMSC_neuro
ESS = 1020 | BMK = 0.048 | MCSE(6.27) = 4.17 | stat: TRUE | burn: 0
COV_AVDELTOT_neuro|CATANIMSC_neuro
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
0
100
200
300
400
500
600
700
800
900
1000
1100

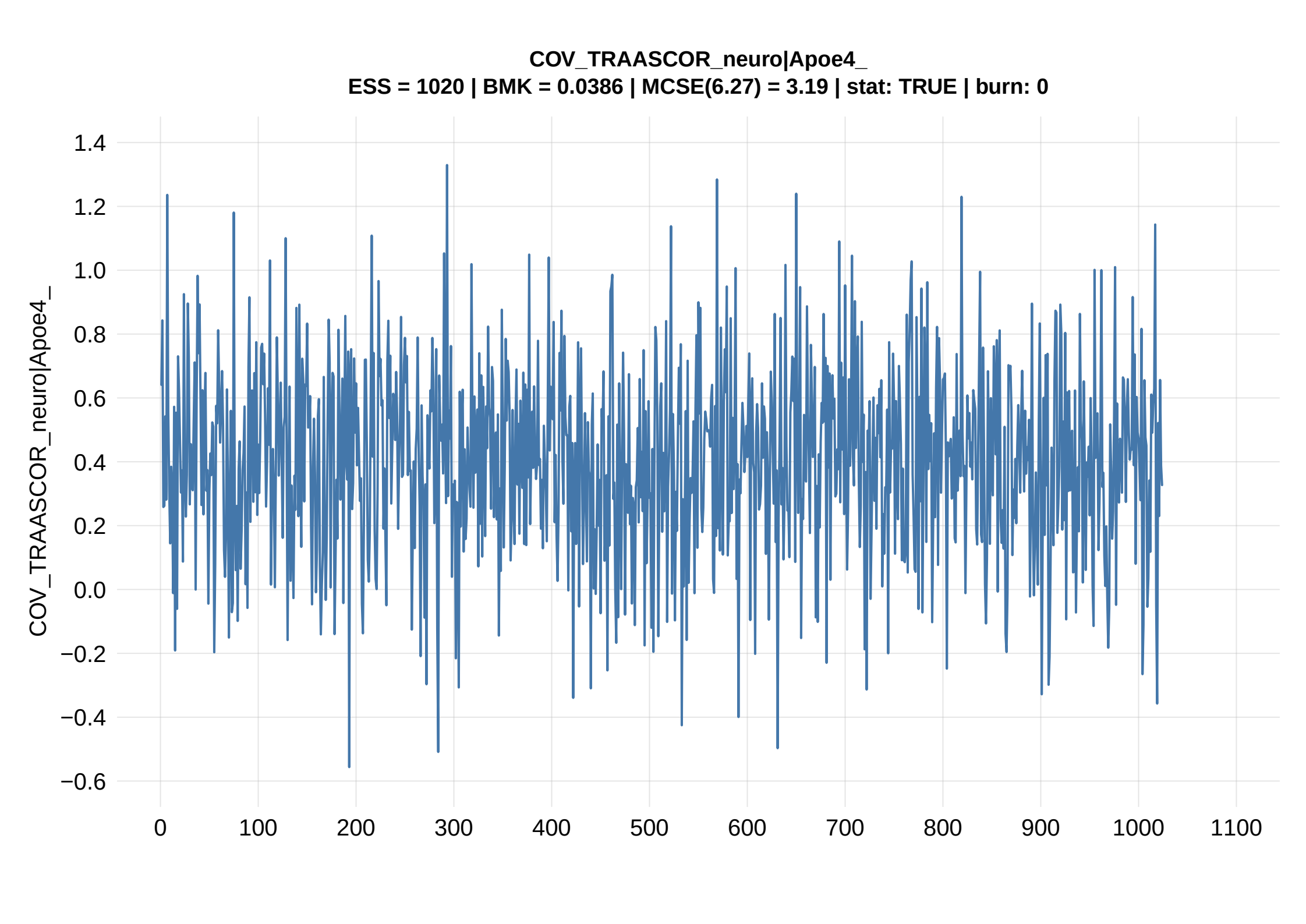

COV_AVDELTOT_neuro|Apoe4_
ESS = 1020 | BMK = 0.0531 | MCSE(6.27) = 4.13 | stat: TRUE | burn: 0
COV_AVDELTOT_neuro|Apoe4_
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
−0.35
−0.40
−0.45
0
100
200
300
400
500
600
700
800
900
1000
1100

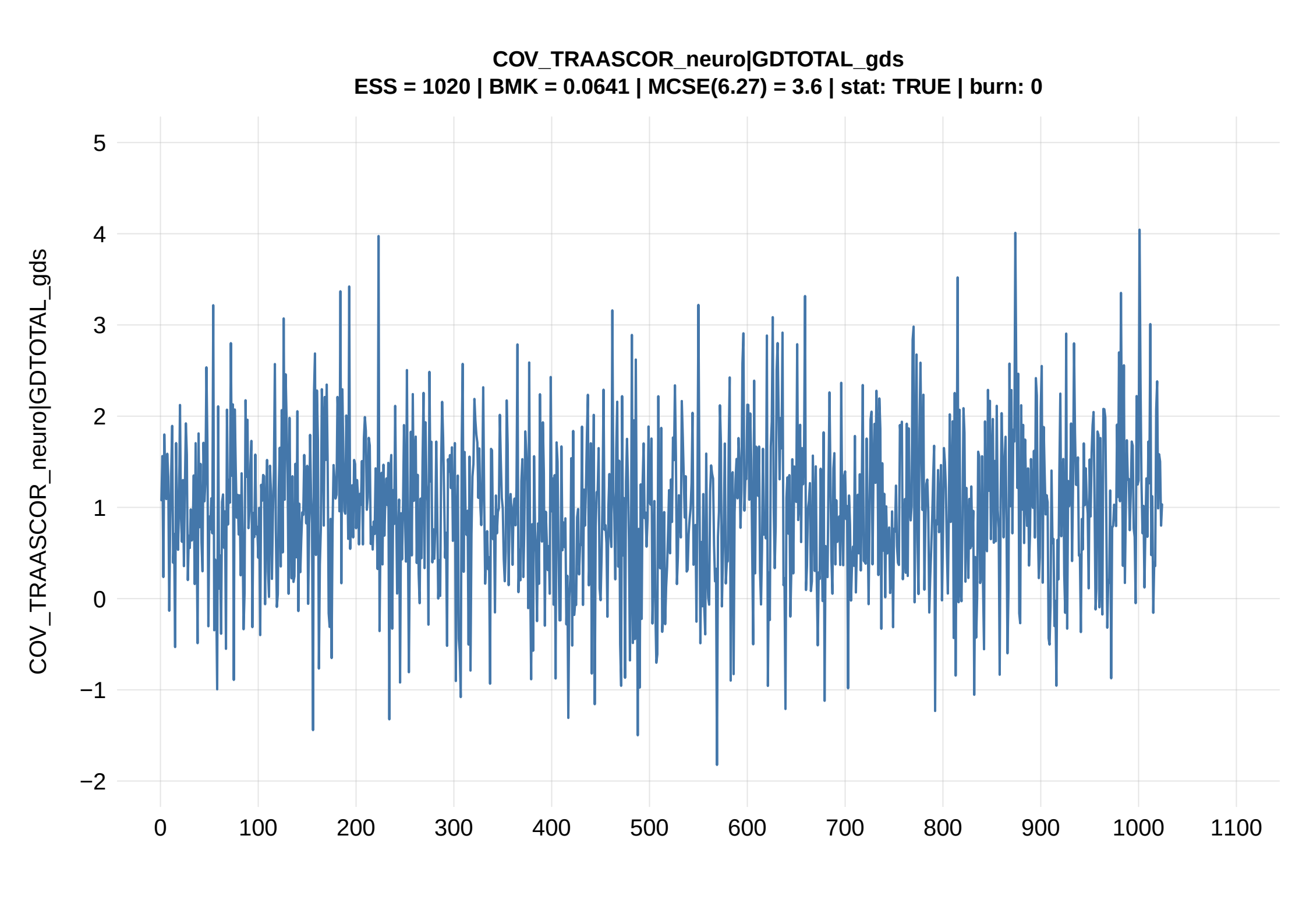

COV_AVDELTOT_neuro|GDTOTAL_gds
ESS = 742 | BMK = 0.0648 | MCSE(6.27) = 4.54 | stat: TRUE | burn: 0
COV_AVDELTOT_neuro|GDTOTAL_gds
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400
500
600
700
800
900
1000
1100

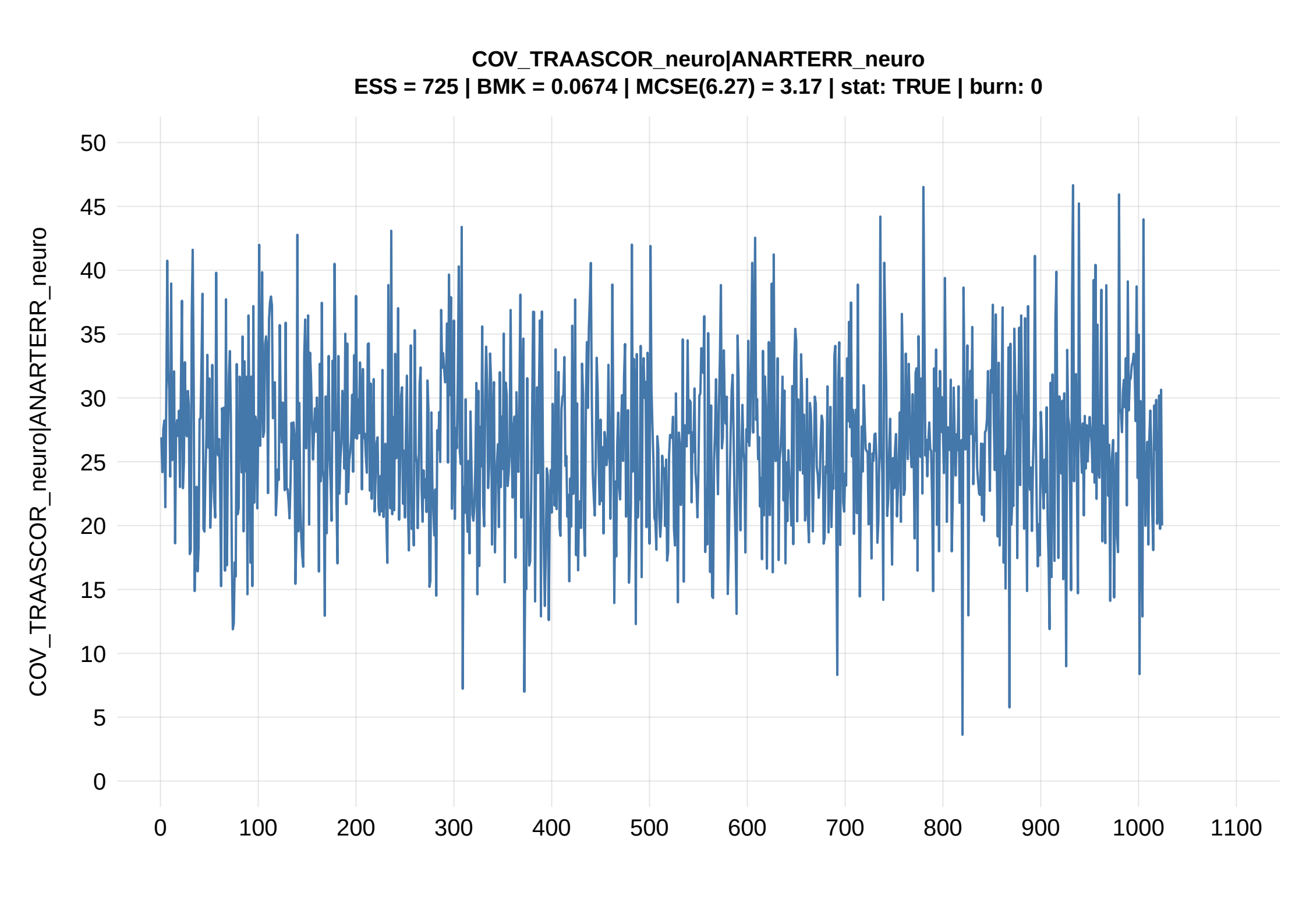

COV_AVDELTOT_neuro|ANARTERR_neuro
ESS = 1020 | BMK = 0.0538 | MCSE(6.27) = 4.34 | stat: TRUE | burn: 0
COV_AVDELTOT_neuro|ANARTERR_neuro
1
0
−1
−2
−3
−4
−5
−6
−7
−8
0
100
200
300
400
500
600
700
800
900
1000
1100

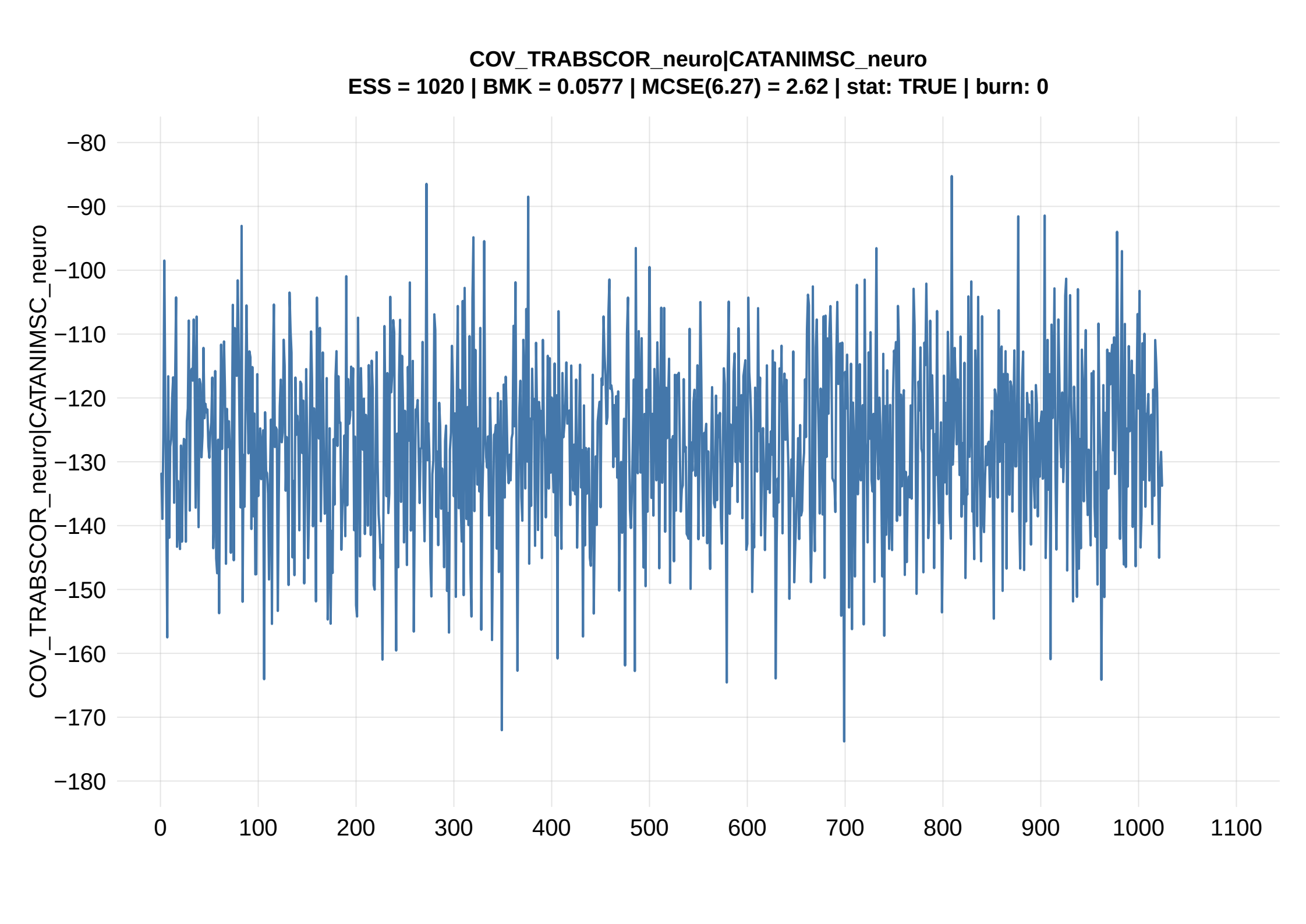

COV_TRAASCOR_neuro|TRABSCOR_neuro
ESS = 1020 | BMK = 0.0616 | MCSE(6.27) = 3.07 | stat: TRUE | burn: 0
COV_TRAASCOR_neuro|TRABSCOR_neuro
1050
1000
950
900
850
800
750
700
650
600
550
500
0
100
200
300
400
500
600
700
800
900
1000
1100

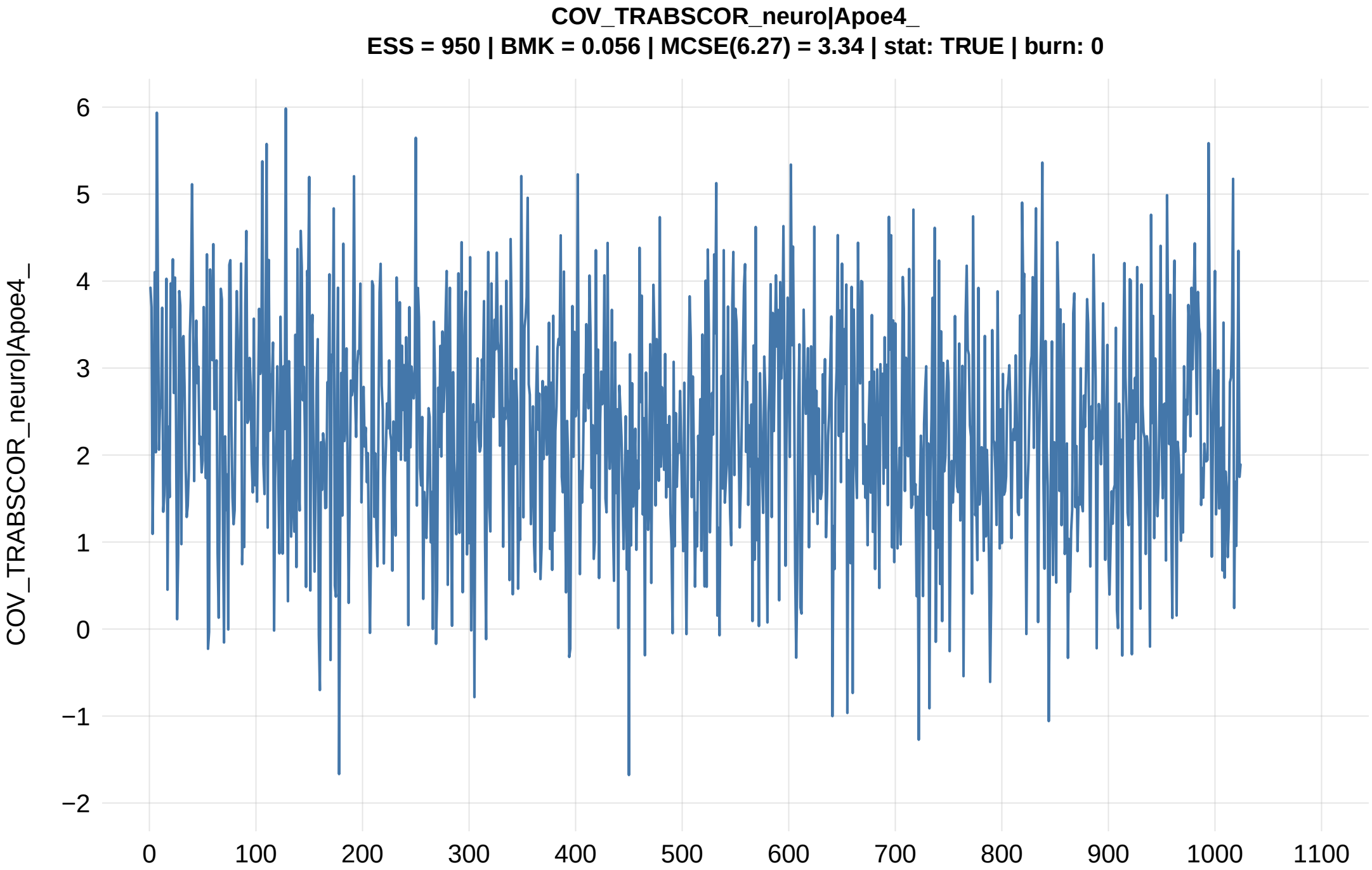

COV_TRAASCOR_neuro|CATANIMSC_neuro
ESS = 759 | BMK = 0.0719 | MCSE(6.27) = 3.73 | stat: TRUE | burn: 0
COV_TRAASCOR_neuro|CATANIMSC_neuro
−15
−20
−25
−30
−35
−40
−45
0
100
200
300
400
500
600
700
800
900
1000
1100

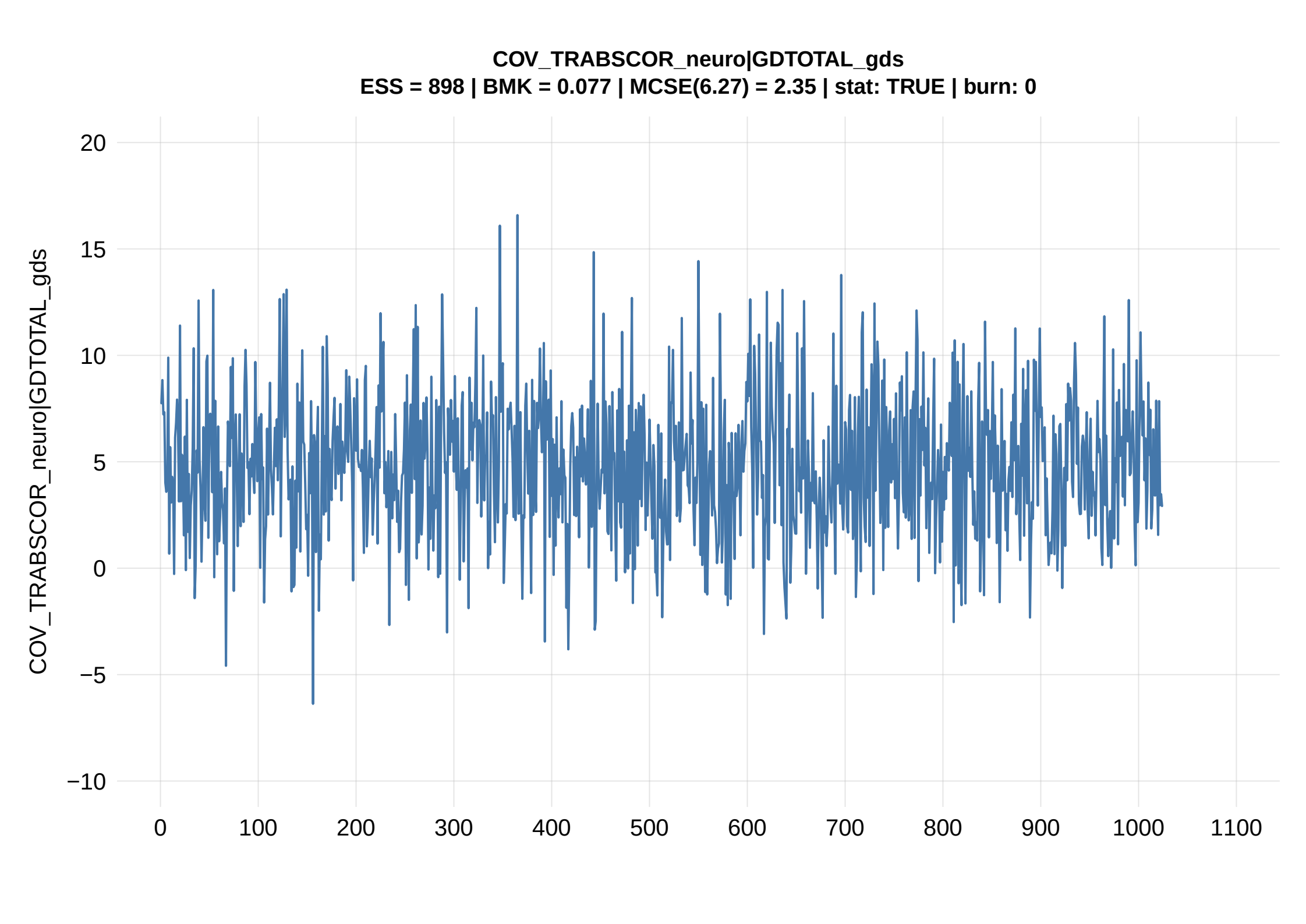

COV_TRAASCOR_neuro|Apoe4_
ESS = 1020 | BMK = 0.0386 | MCSE(6.27) = 3.19 | stat: TRUE | burn: 0
COV_TRAASCOR_neuro|Apoe4_
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
0
100
200
300
400
500
600
700
800
900
1000
1100

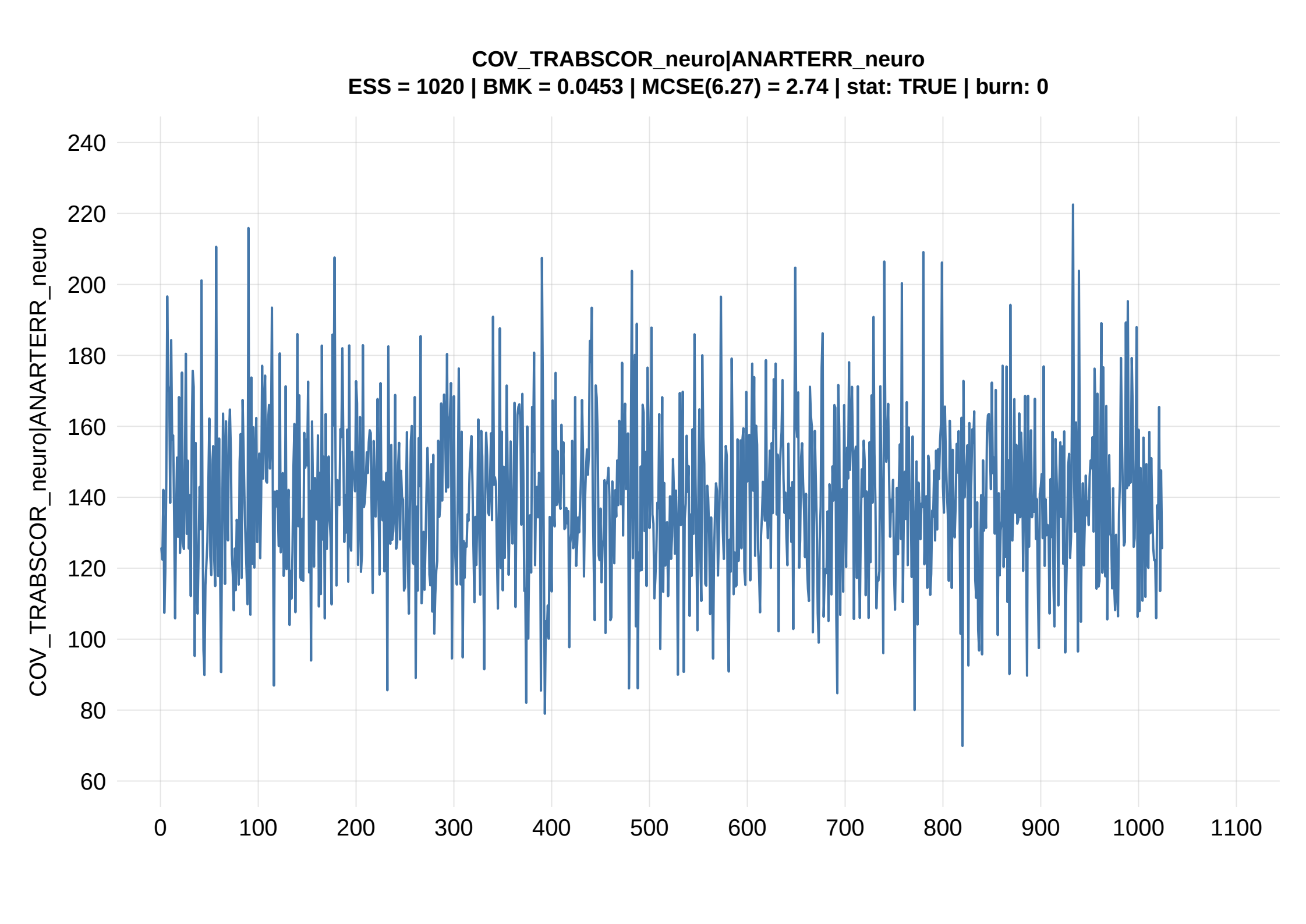

COV_TRAASCOR_neuro|GDTOTAL_gds
ESS = 1020 | BMK = 0.0641 | MCSE(6.27) = 3.6 | stat: TRUE | burn: 0
COV_TRAASCOR_neuro|GDTOTAL_gds
5
4
3
2
1
0
−1
−2
0
100
200
300
400
500
600
700
800
900
1000
1100

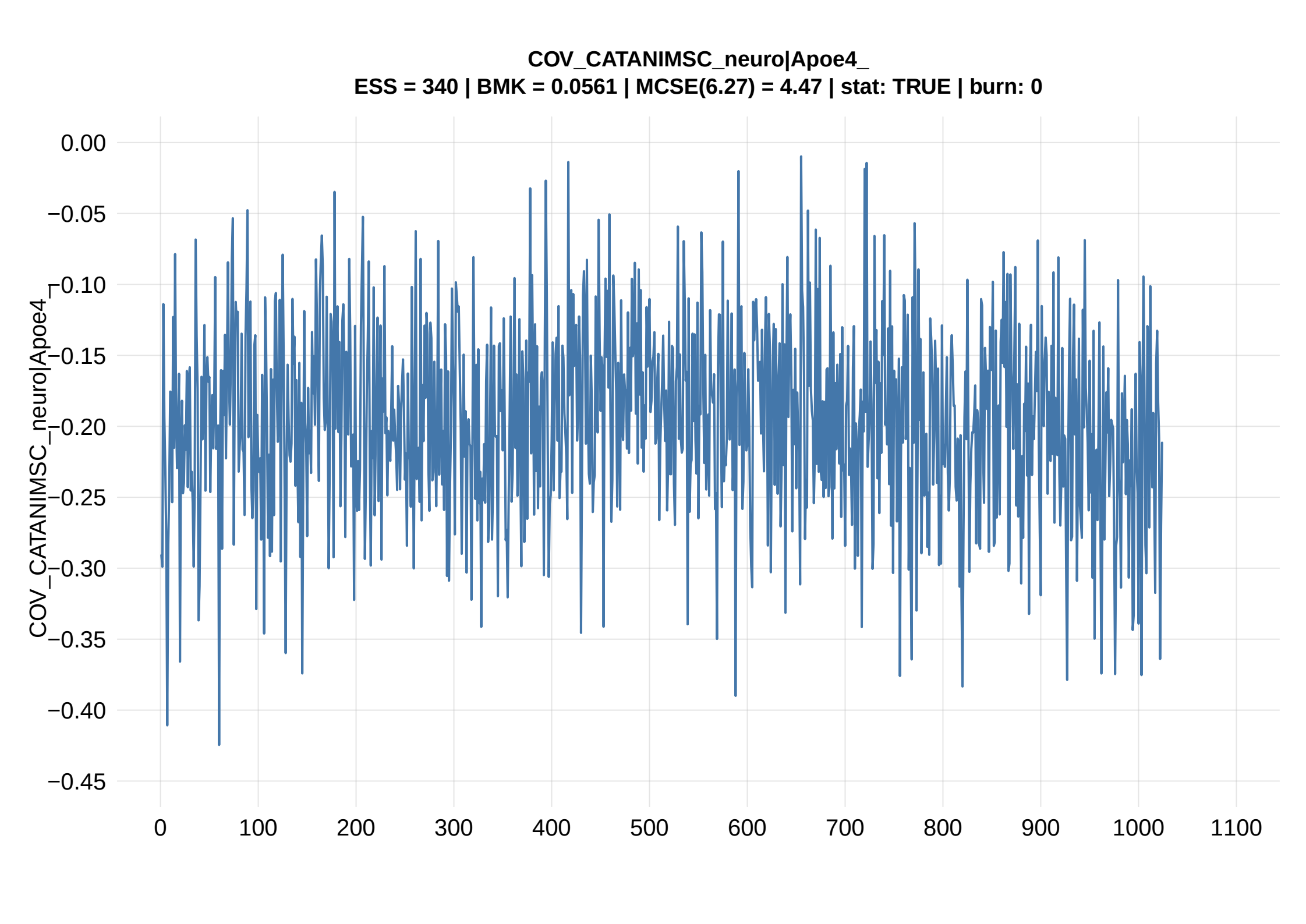

COV_TRAASCOR_neuro|ANARTERR_neuro
ESS = 725 | BMK = 0.0674 | MCSE(6.27) = 3.17 | stat: TRUE | burn: 0
COV_TRAASCOR_neuro|ANARTERR_neuro
50
45
40
35
30
25
20
15
10
5
0
0
100
200
300
400
500
600
700
800
900
1000
1100

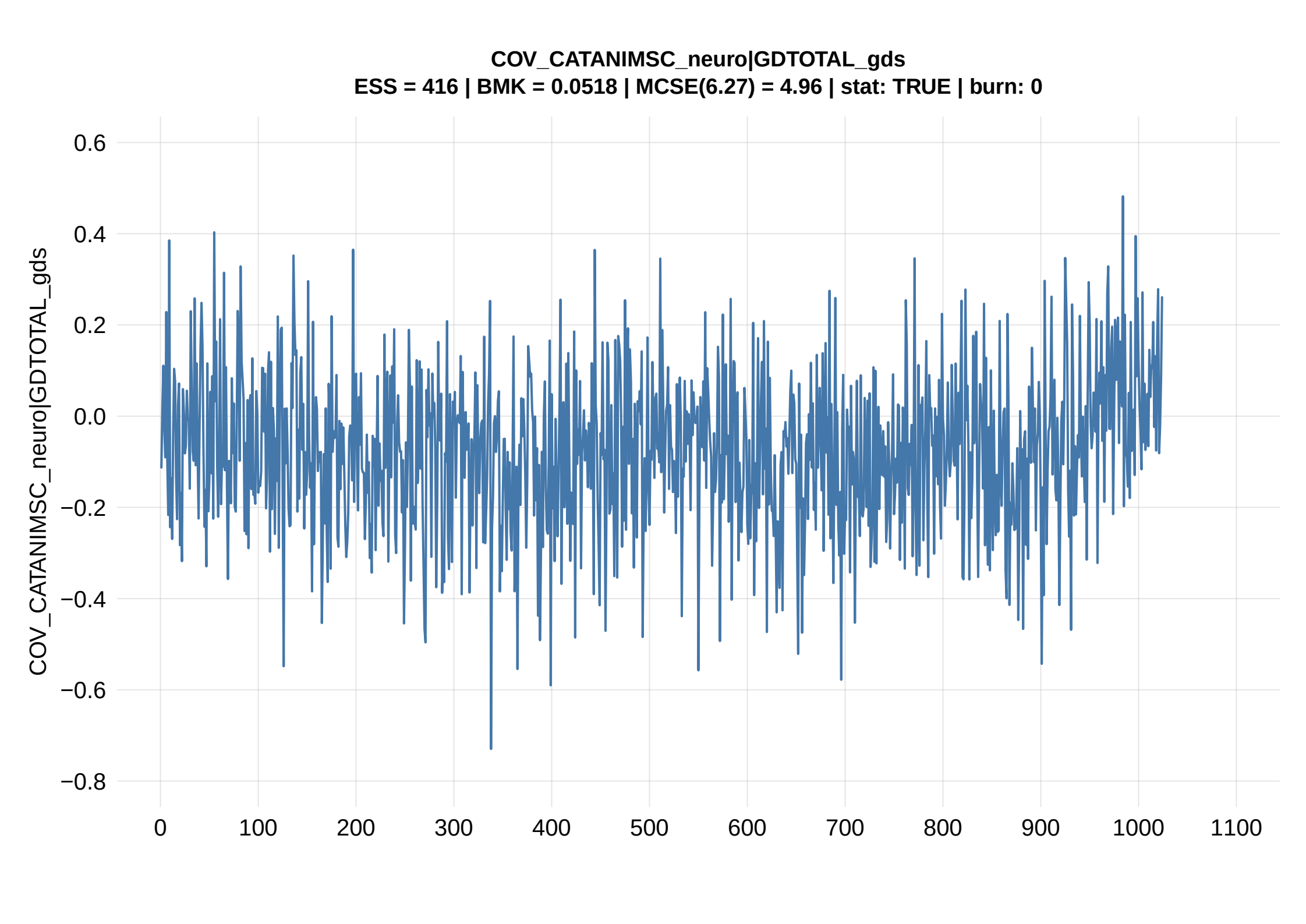

COV_TRABSCOR_neuro|CATANIMSC_neuro
ESS = 1020 | BMK = 0.0577 | MCSE(6.27) = 2.62 | stat: TRUE | burn: 0
COV_TRABSCOR_neuro|CATANIMSC_neuro
−80
−90
−100
−110
−120
−130
−140
−150
−160
−170
−180
0
100
200
300
400
500
600
700
800
900
1000
1100

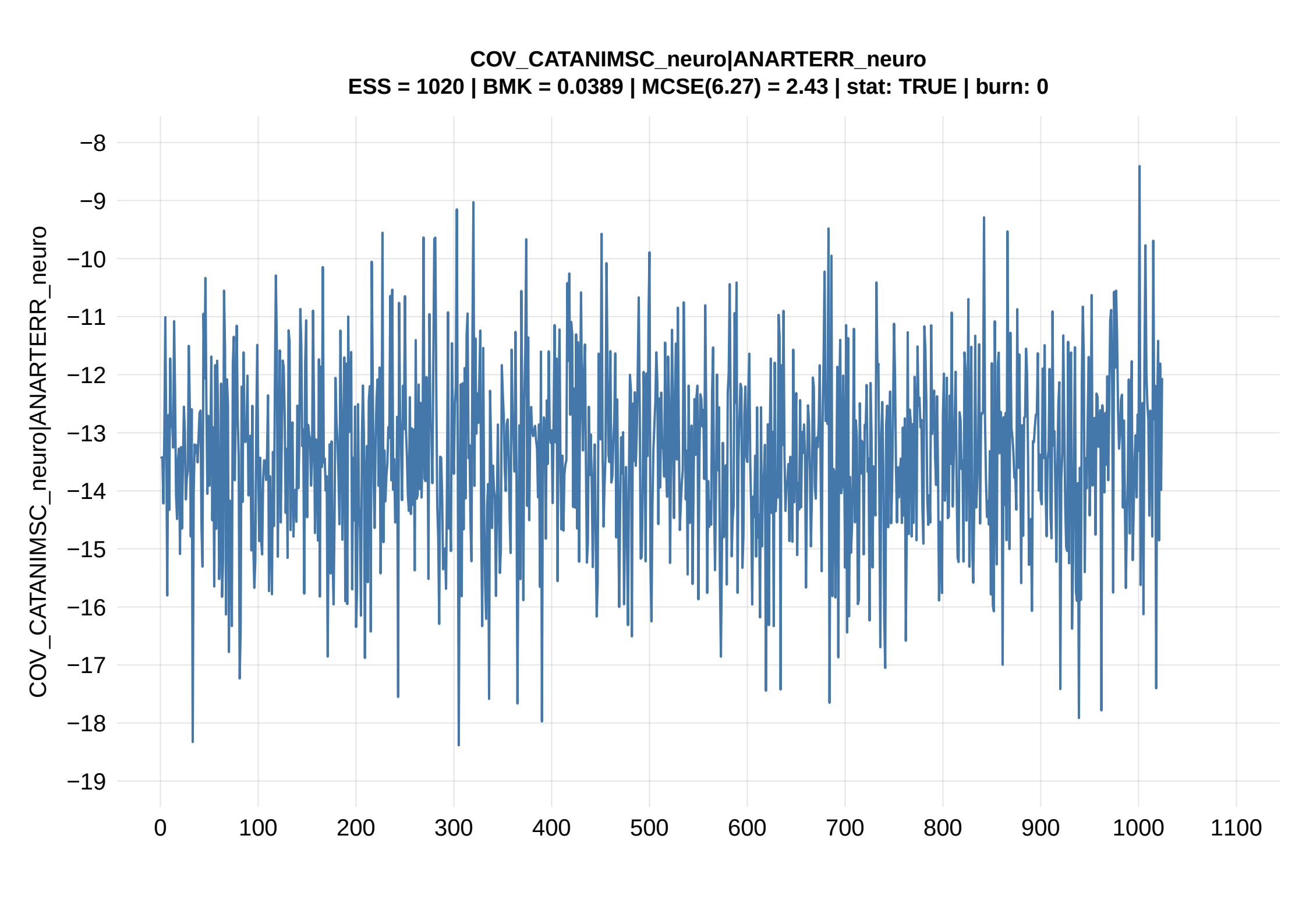

COV_TRABSCOR_neuro|Apoe4_
ESS = 950 | BMK = 0.056 | MCSE(6.27) = 3.34 | stat: TRUE | burn: 0
COV_TRABSCOR_neuro|Apoe4_
6
5
4
3
2
1
0
−1
−2
0
100
200
300
400
500
600
700
800
900
1000
1100

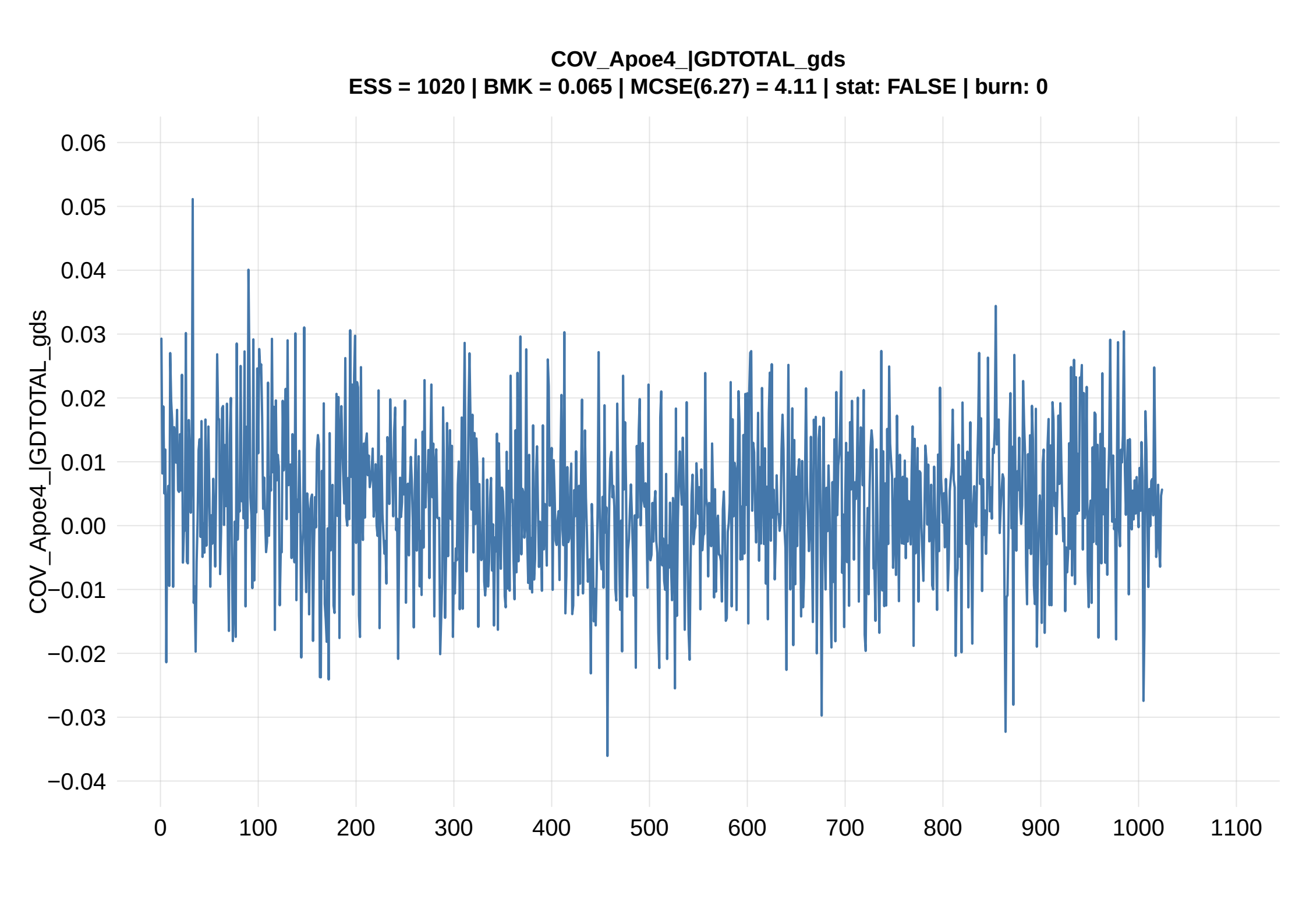

COV_TRABSCOR_neuro|GDTOTAL_gds
ESS = 898 | BMK = 0.077 | MCSE(6.27) = 2.35 | stat: TRUE | burn: 0
COV_TRABSCOR_neuro|GDTOTAL_gds
20
15
10
5
0
−5
−10
0
100
200
300
400
500
600
700
800
900
1000
1100

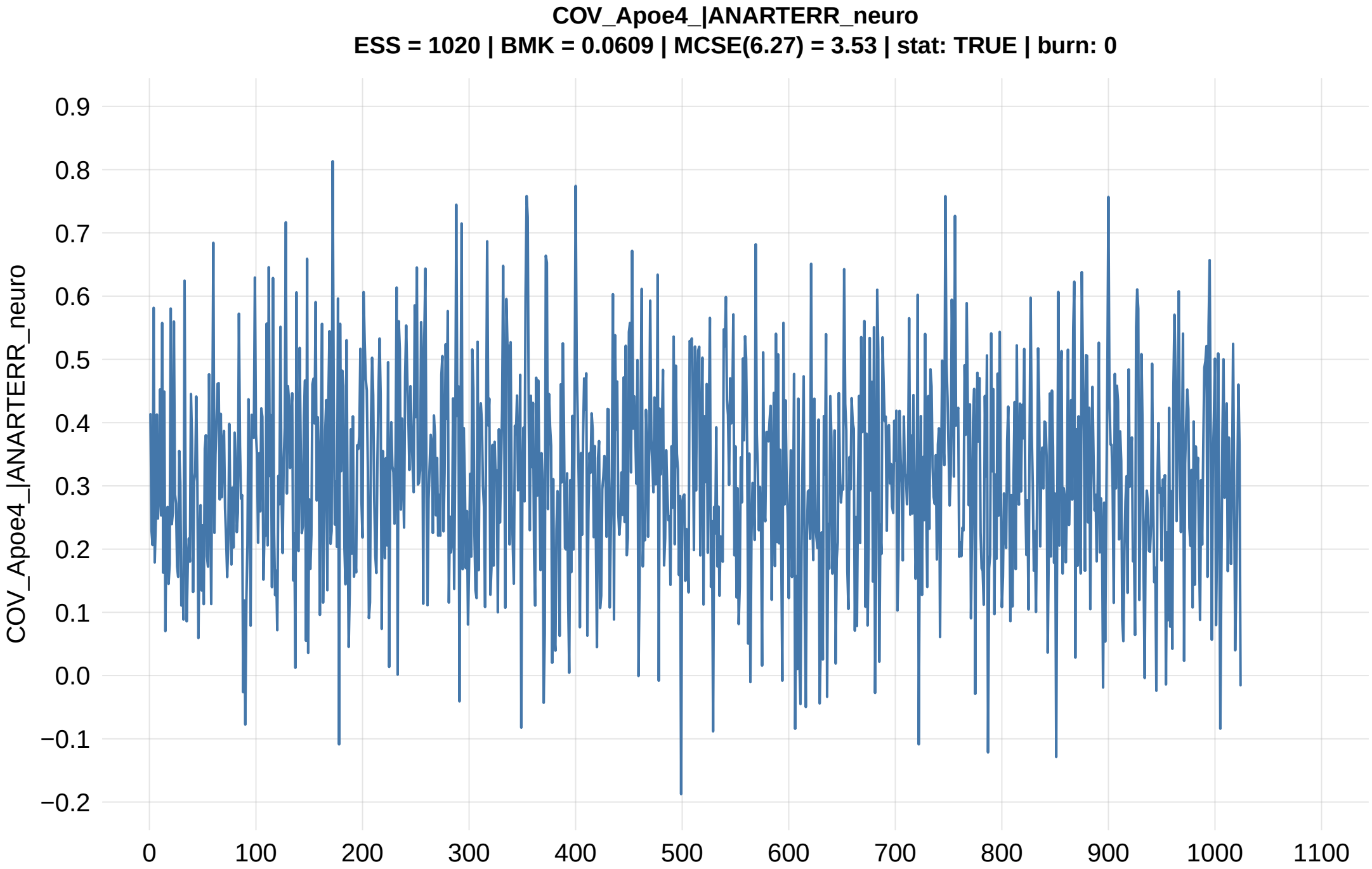

COV_TRABSCOR_neuro|ANARTERR_neuro
ESS = 1020 | BMK = 0.0453 | MCSE(6.27) = 2.74 | stat: TRUE | burn: 0
COV_TRABSCOR_neuro|ANARTERR_neuro
240
220
200
180
160
140
120
100
80
60
0
100
200
300
400
500
600
700
800
900
1000
1100

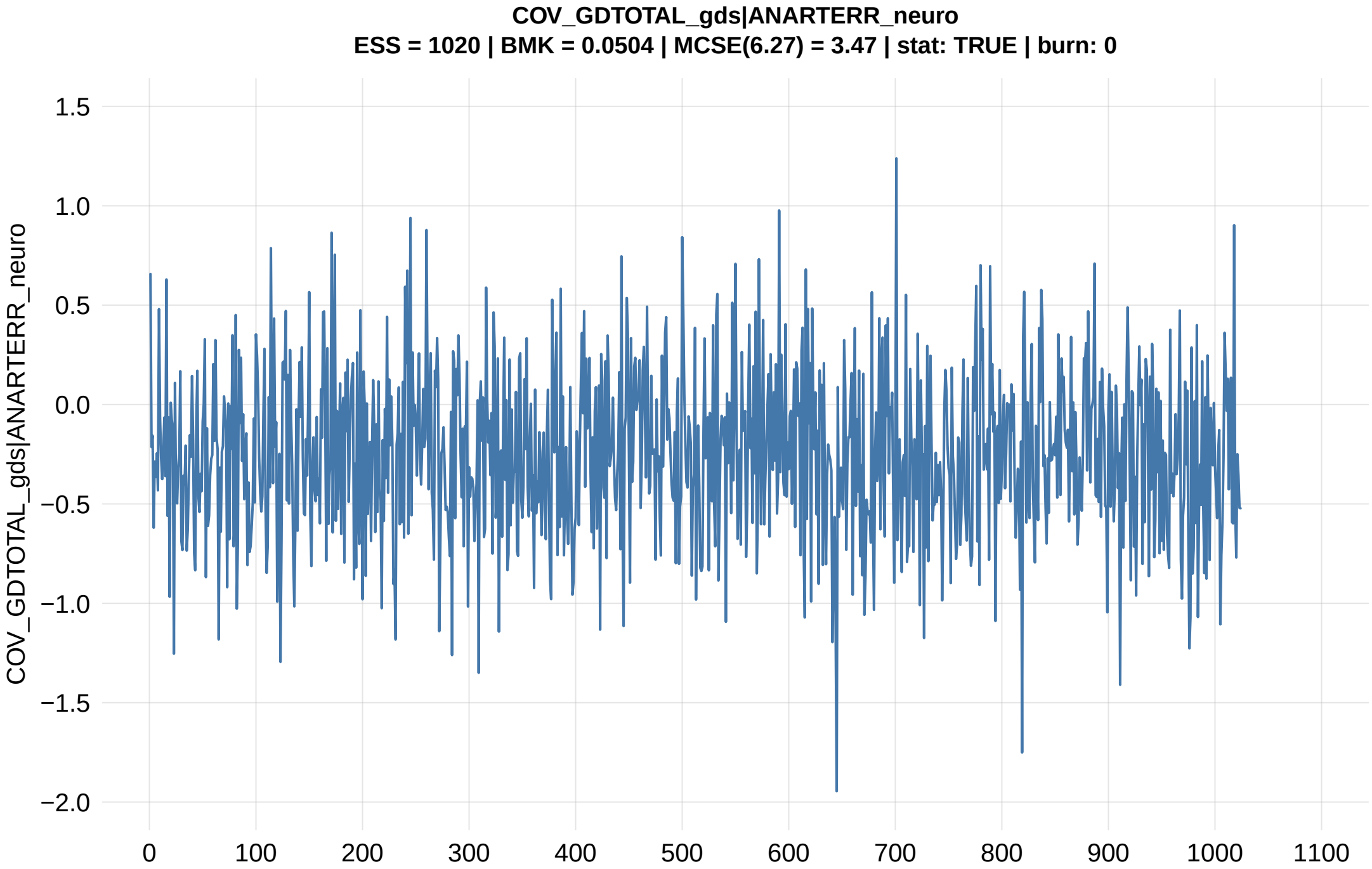

COV_CATANIMSC_neuro|Apoe4_
ESS = 340 | BMK = 0.0561 | MCSE(6.27) = 4.47 | stat: TRUE | burn: 0
COV_CATANIMSC_neuro|Apoe4_
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
−0.35
−0.40
−0.45
0
100
200
300
400
500
600
700
800
900
1000
1100


COV_CATANIMSC_neuro|GDTOTAL_gds
ESS = 416 | BMK = 0.0518 | MCSE(6.27) = 4.96 | 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 = 1020 | BMK = 0.0389 | MCSE(6.27) = 2.43 | stat: TRUE | burn: 0
COV_CATANIMSC_neuro|ANARTERR_neuro
−8
−9
−10
−11
−12
−13
−14
−15
−16
−17
−18
−19
0
100
200
300
400
500
600
700
800
900
1000
1100


COV_Apoe4_|GDTOTAL_gds
ESS = 1020 | BMK = 0.065 | MCSE(6.27) = 4.11 | stat: FALSE | burn: 0
COV_Apoe4_|GDTOTAL_gds
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_Apoe4_|ANARTERR_neuro
ESS = 1020 | BMK = 0.0609 | MCSE(6.27) = 3.53 | stat: TRUE | burn: 0
COV_Apoe4_|ANARTERR_neuro
0.9
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 = 0.0504 | MCSE(6.27) = 3.47 | stat: TRUE | burn: 0
COV_GDTOTAL_gds|ANARTERR_neuro
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