SETTINGS

Scenario: 1111

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

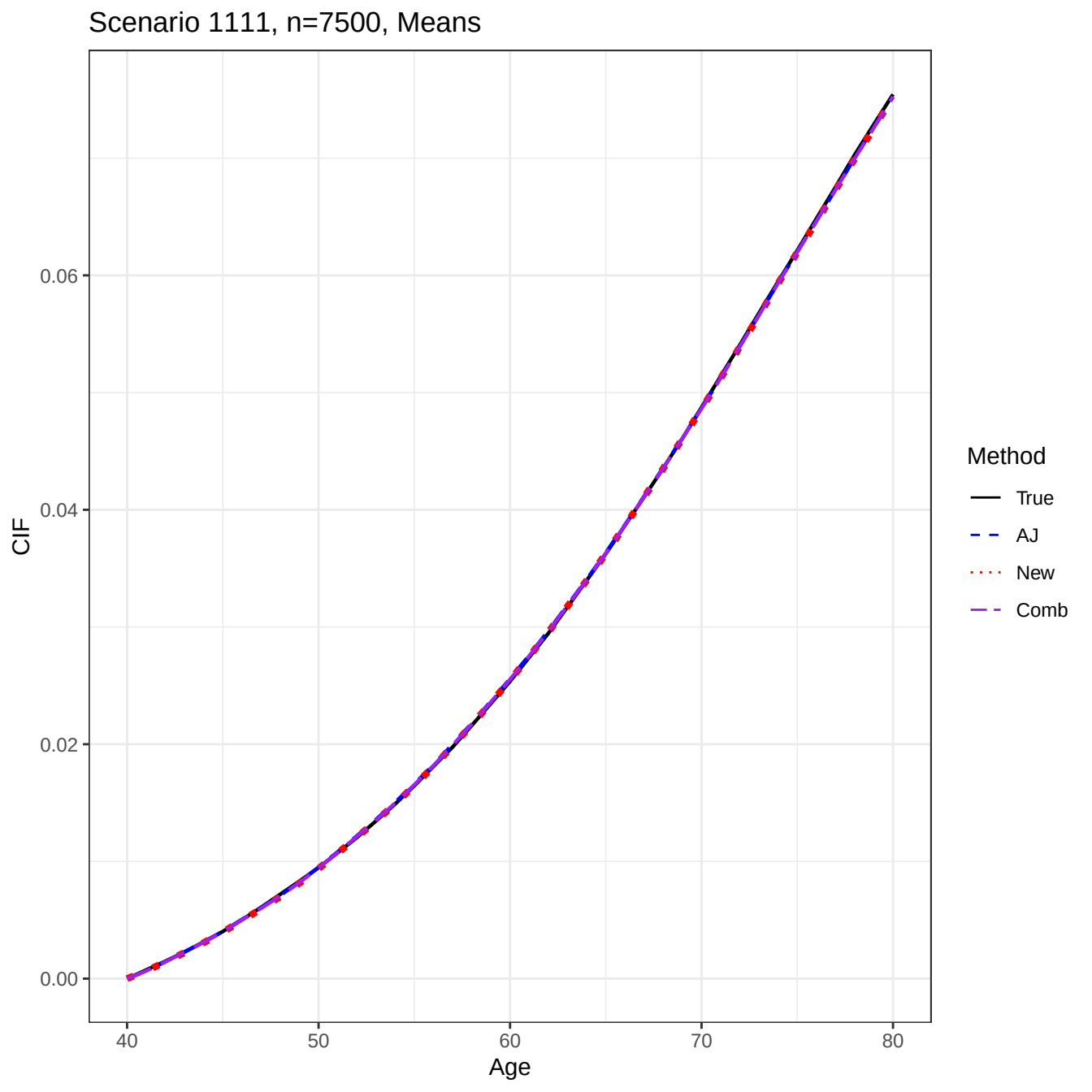
transformation: 0.5*pi − asin(sqrt(1−u))

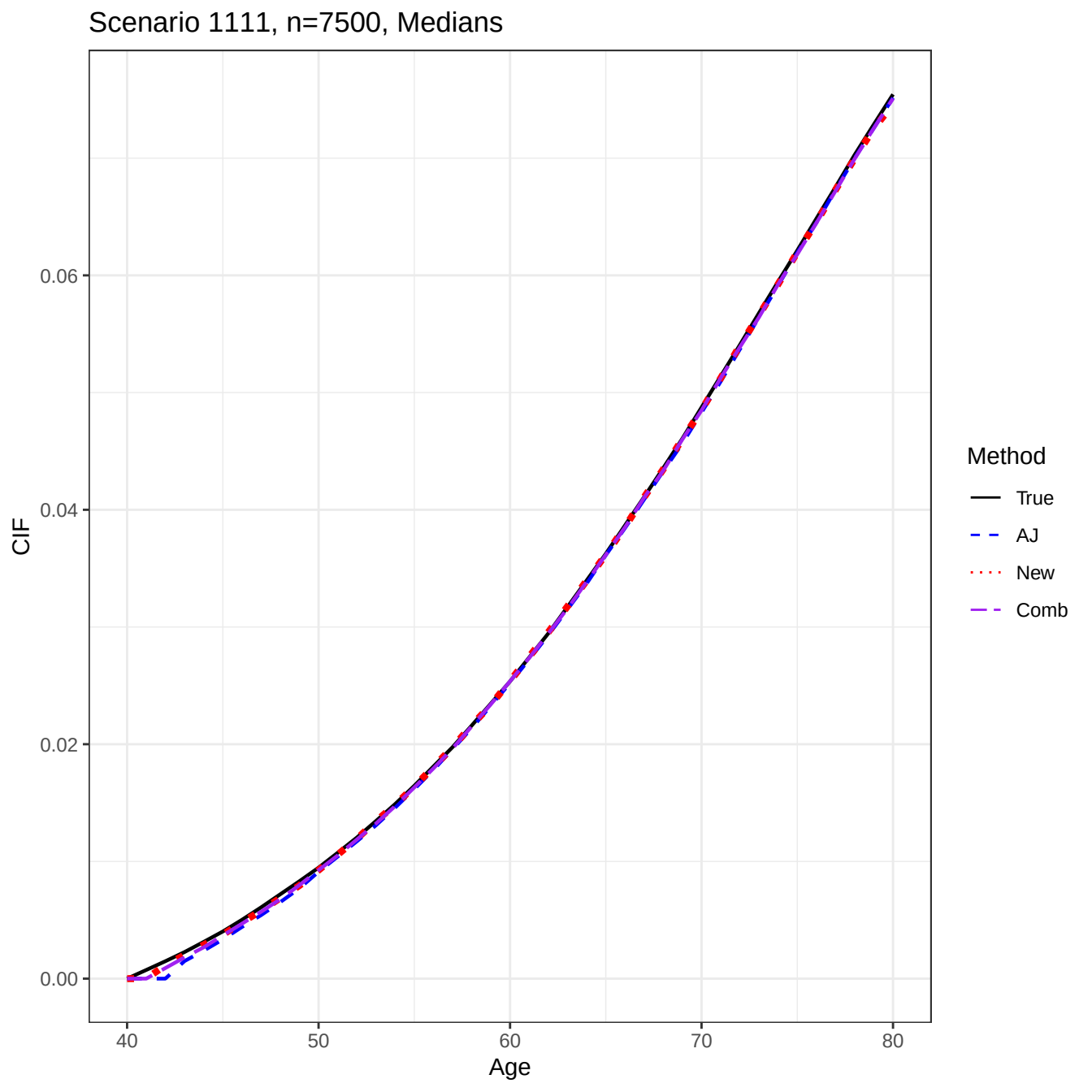
pointwise CI's done by: normal−theory

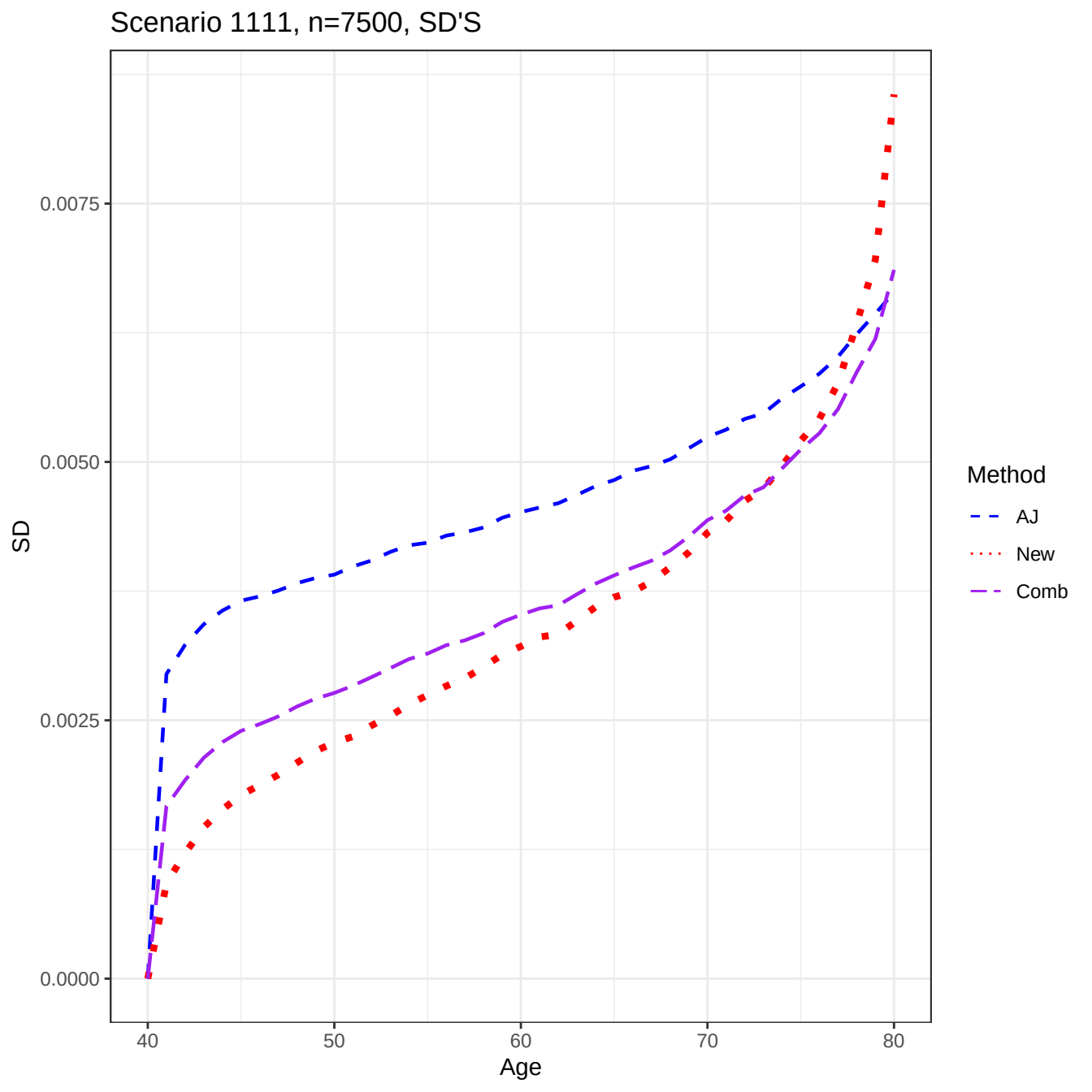
auxflg = FALSE

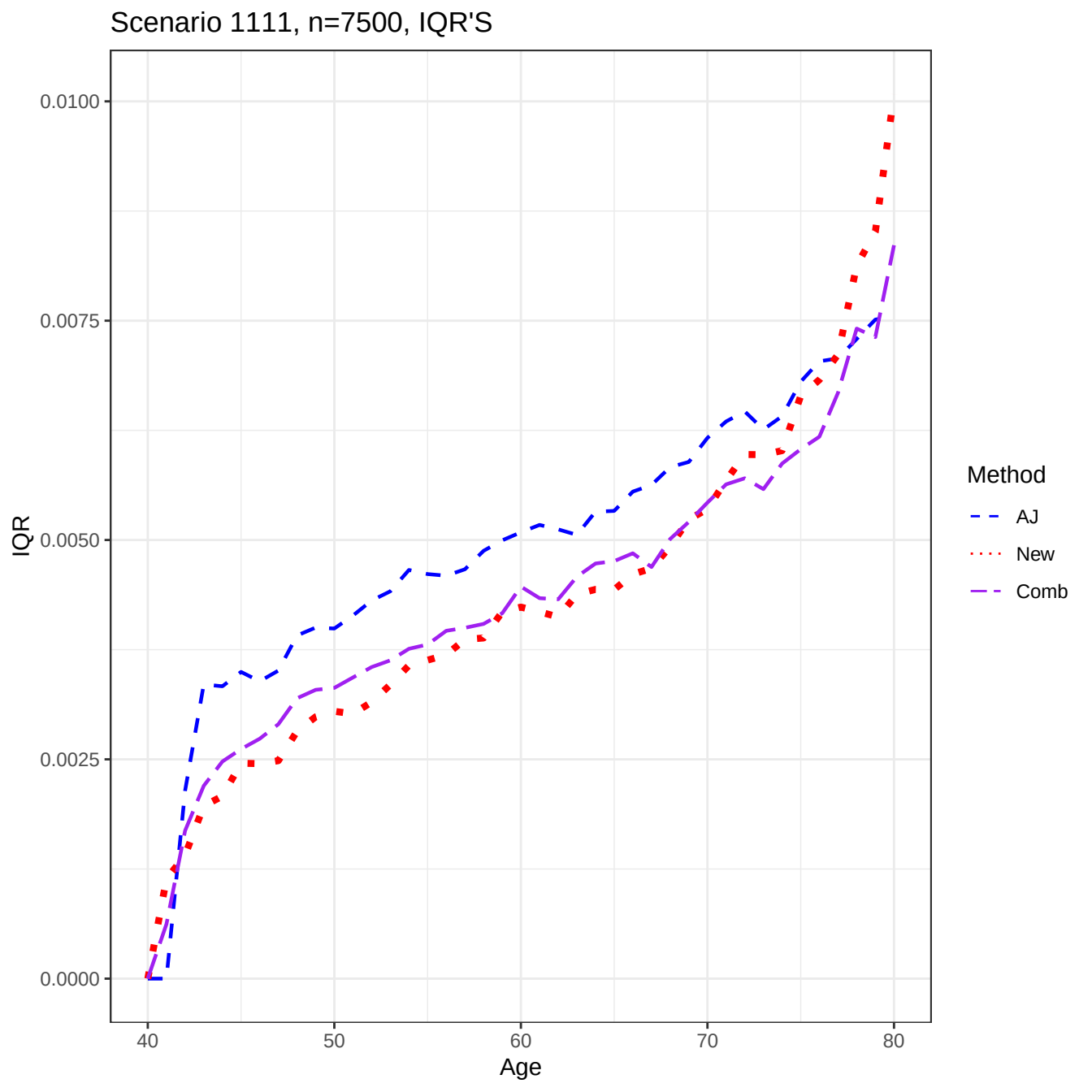
bootstrap weights: normal

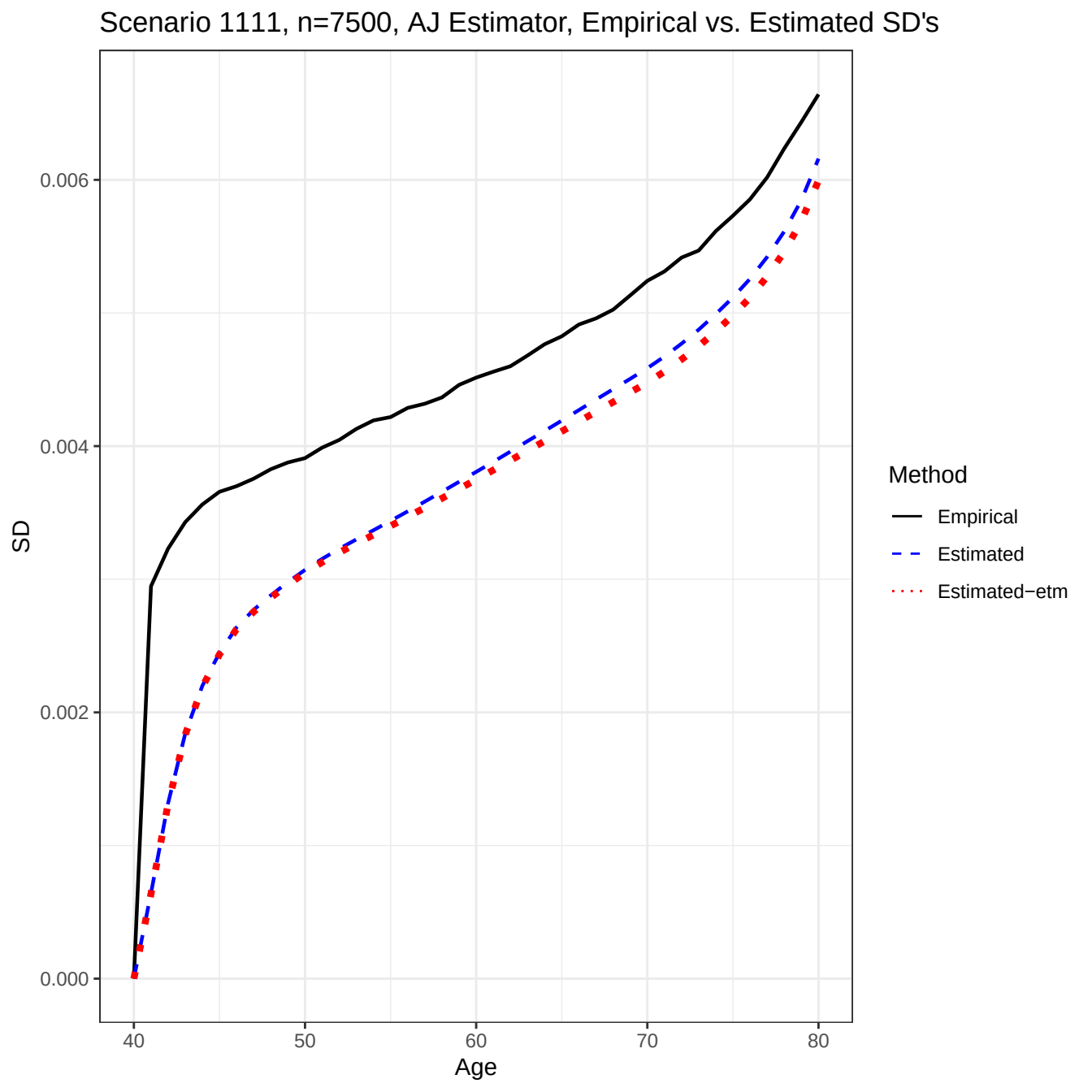
Date/Time: 2024−01−18 21:39:33.808045

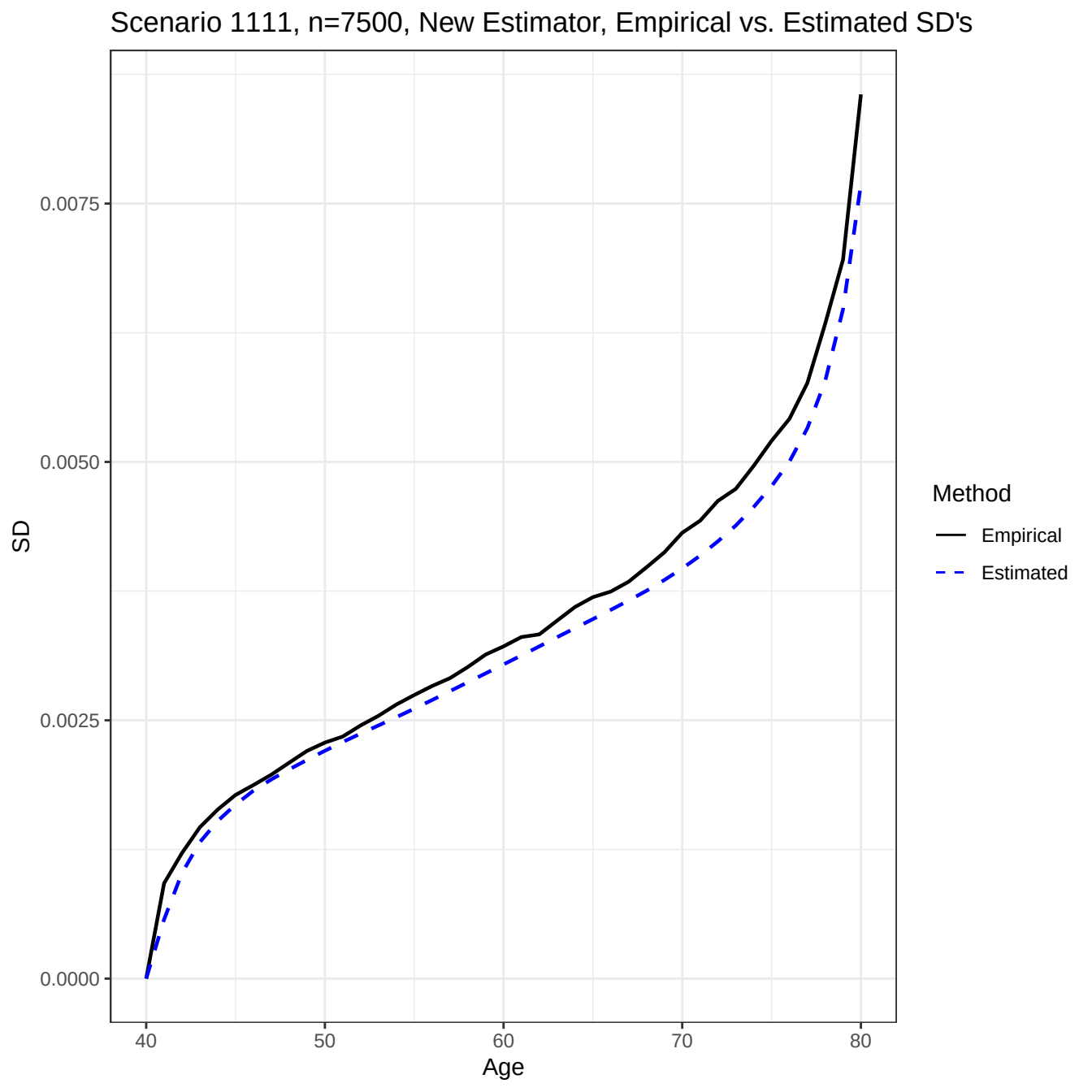

Scenario 1111, n=7500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

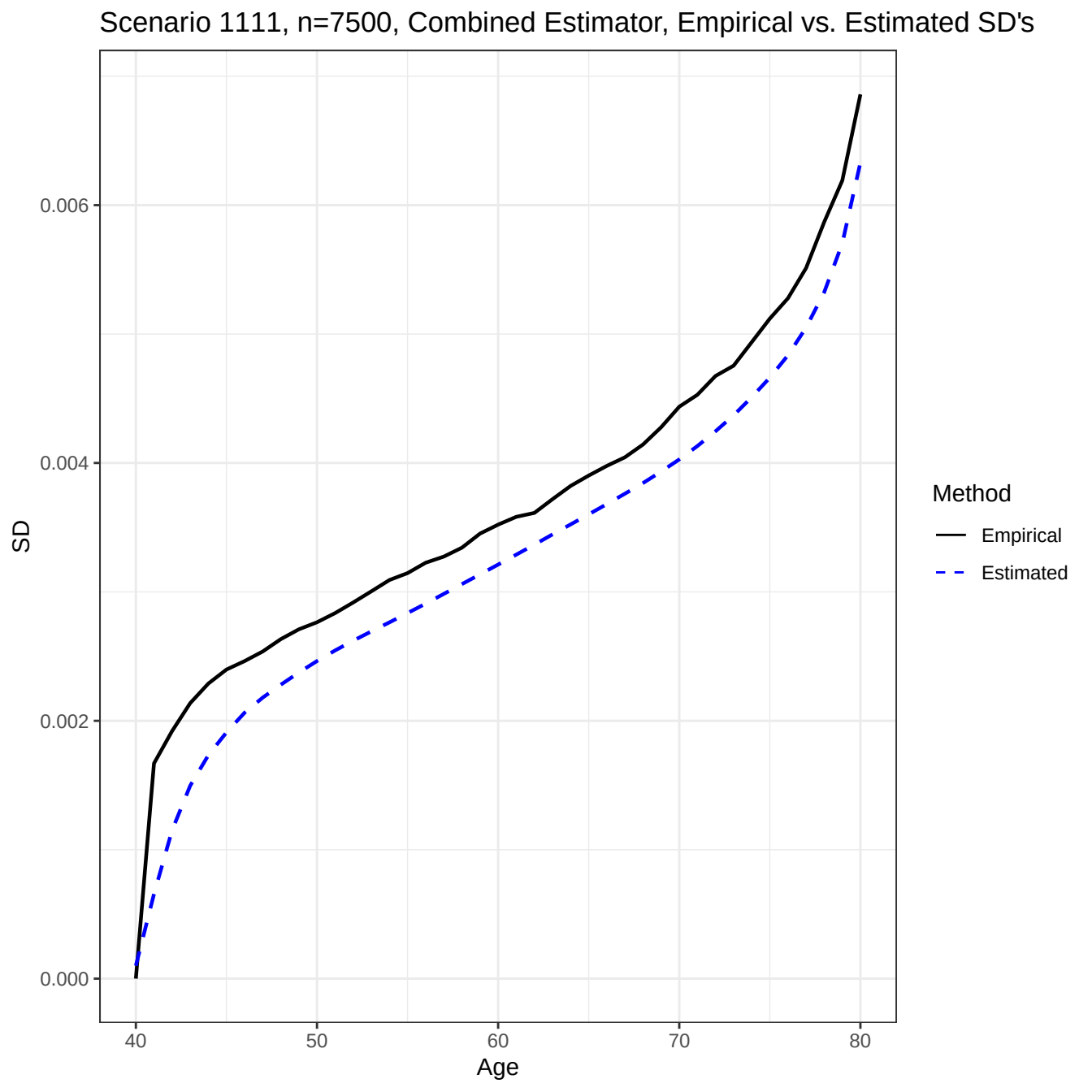

Scenario 1111, n=7500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

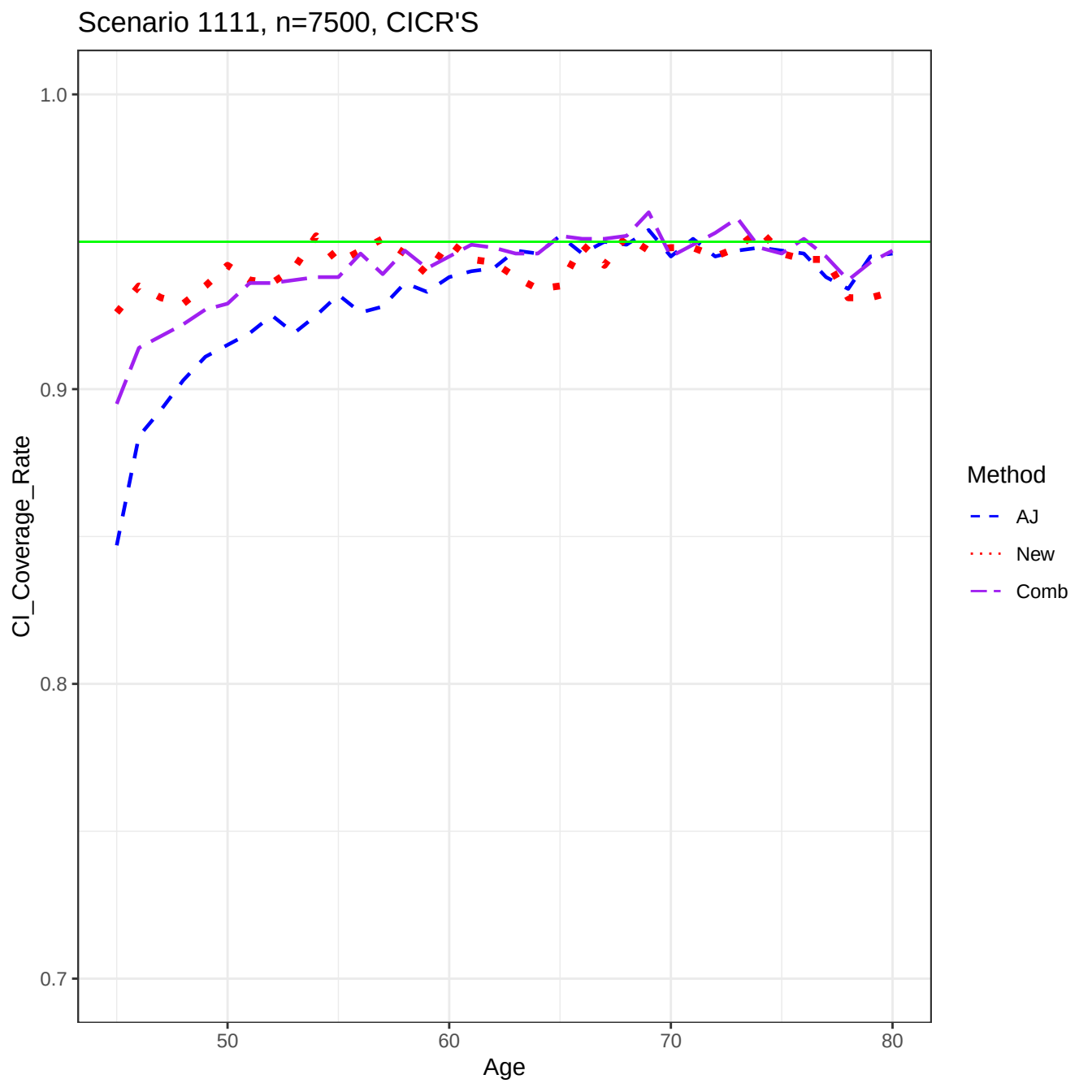

Scenario 1111, n=7500, SD'S
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
AJ
New
Comb

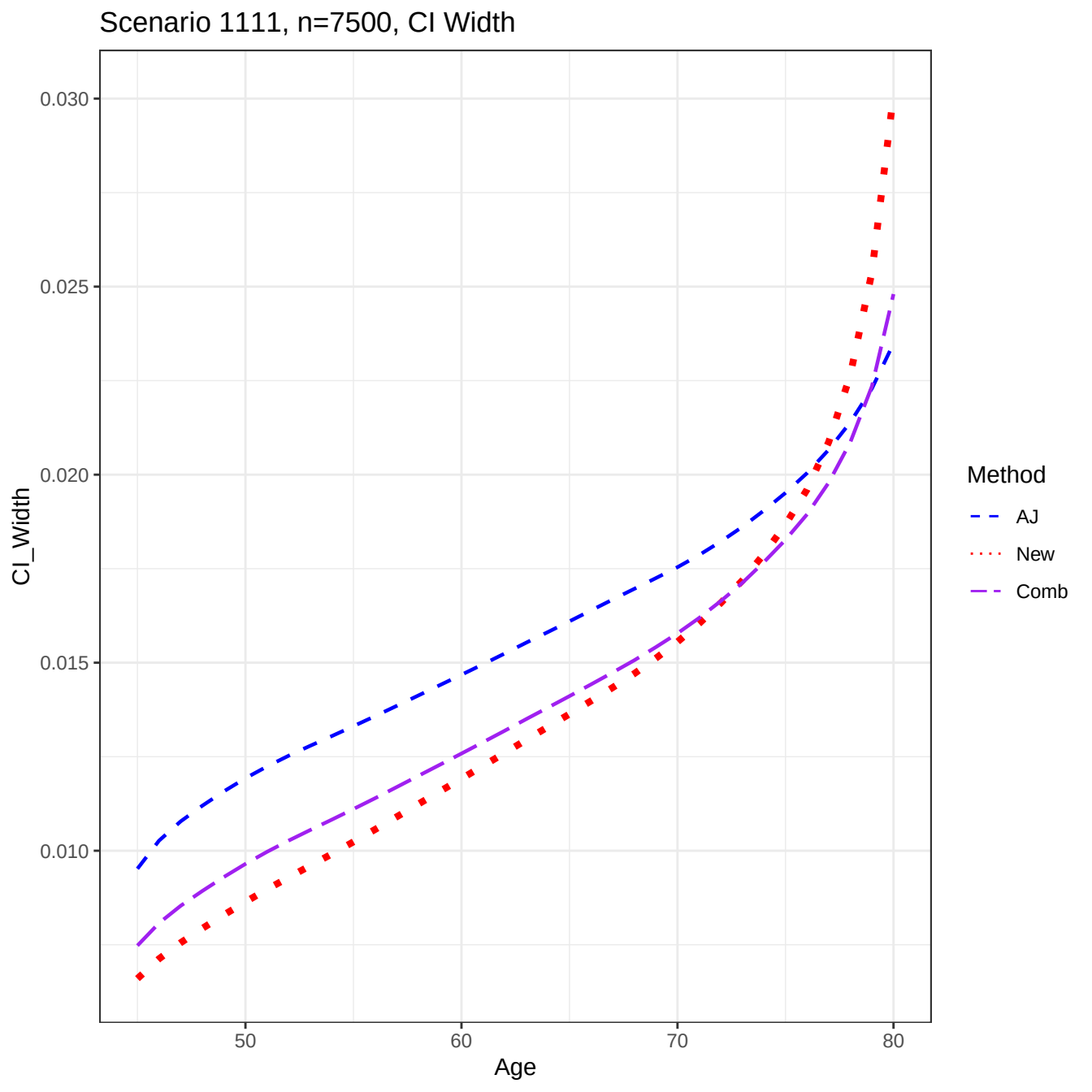

Scenario 1111, n=7500, IQR'S
IQR
0.0100
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1111, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.000
0.002
0.004
0.006
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1111, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1111, n=7500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1111, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1111, n=7500, CI Width
0.030
0.025
0.020
0.015
0.010
CI_Width
50
60
70
80
Age
Method
AJ
New
Comb

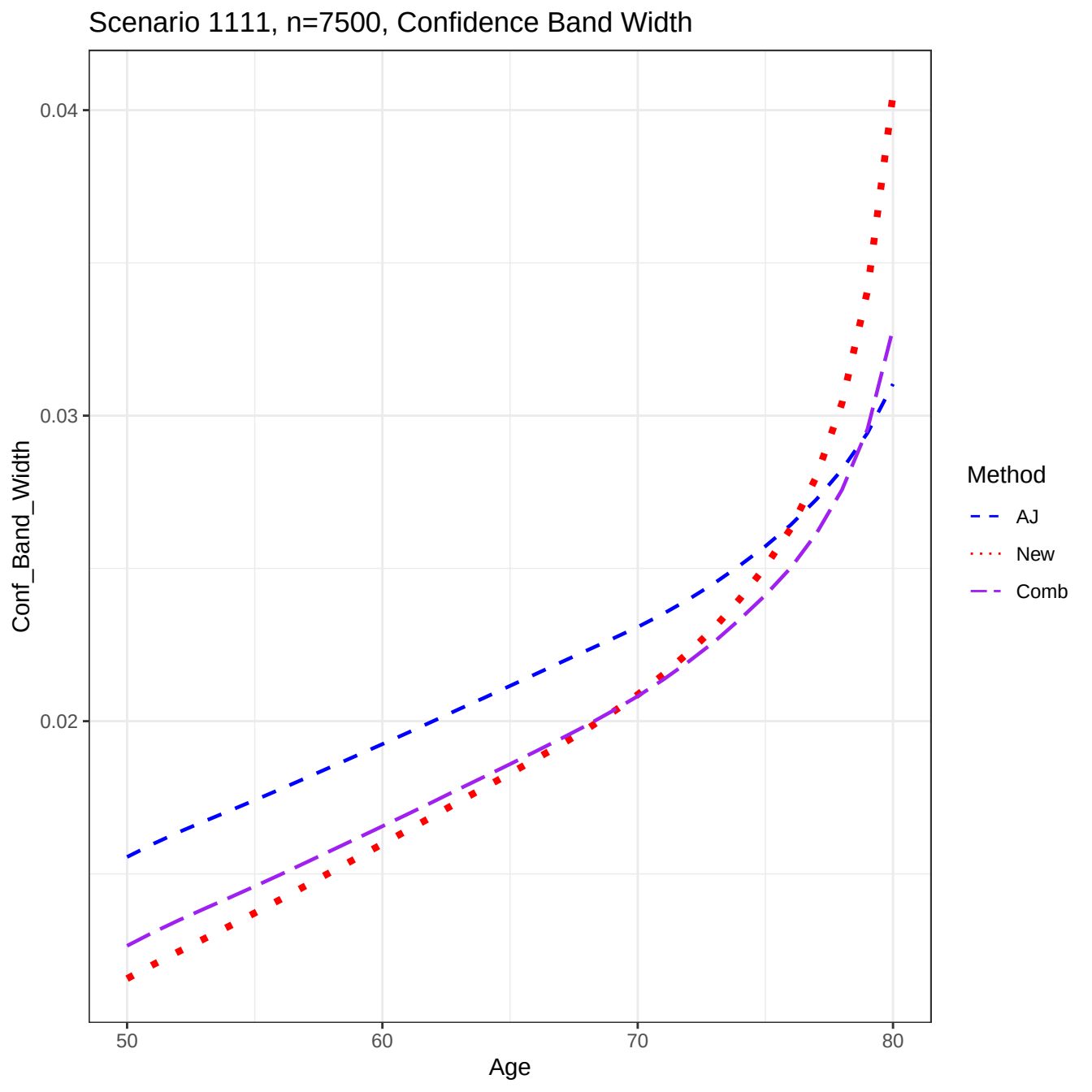
CONFIDENCE BAND COVERAGE RATES

Scenario: 1111

AJ: 0.937

new: 0.916

Combo: 0.931


Scenario 1111, n=7500, Confidence Band Width
Conf_Band_Width
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 1112

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

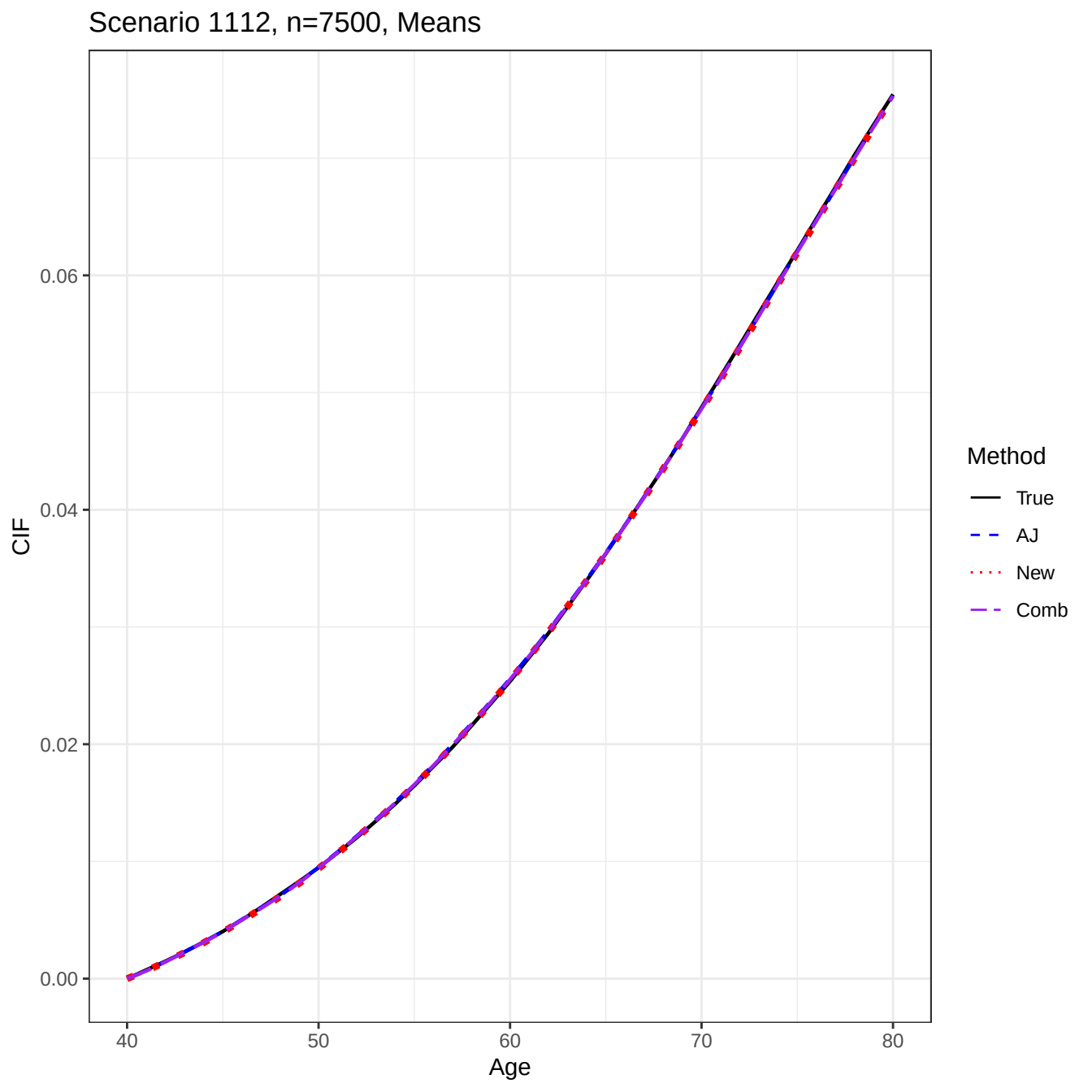
transformation: 0.5*pi − asin(sqrt(1−u))

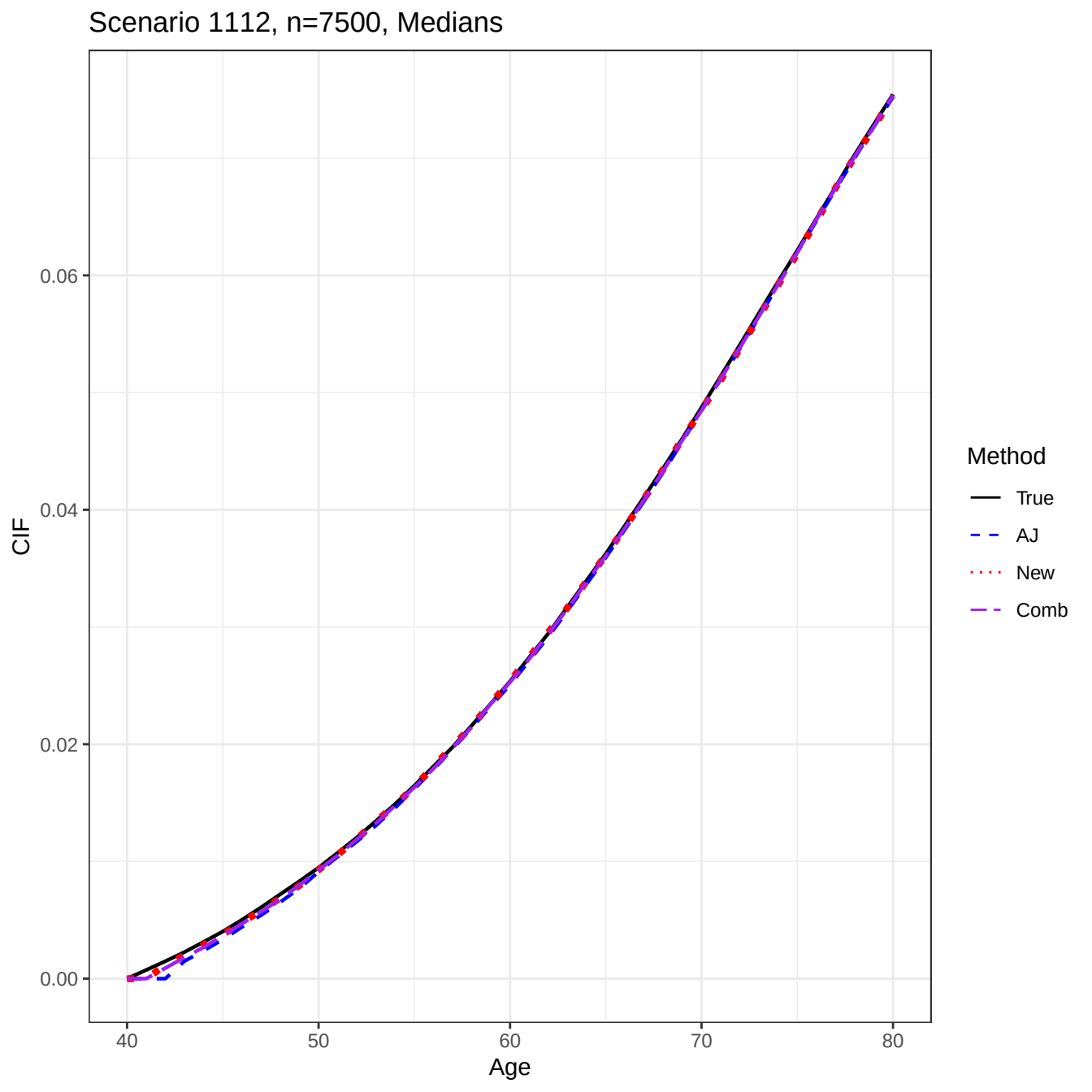
pointwise CI's done by: normal−theory

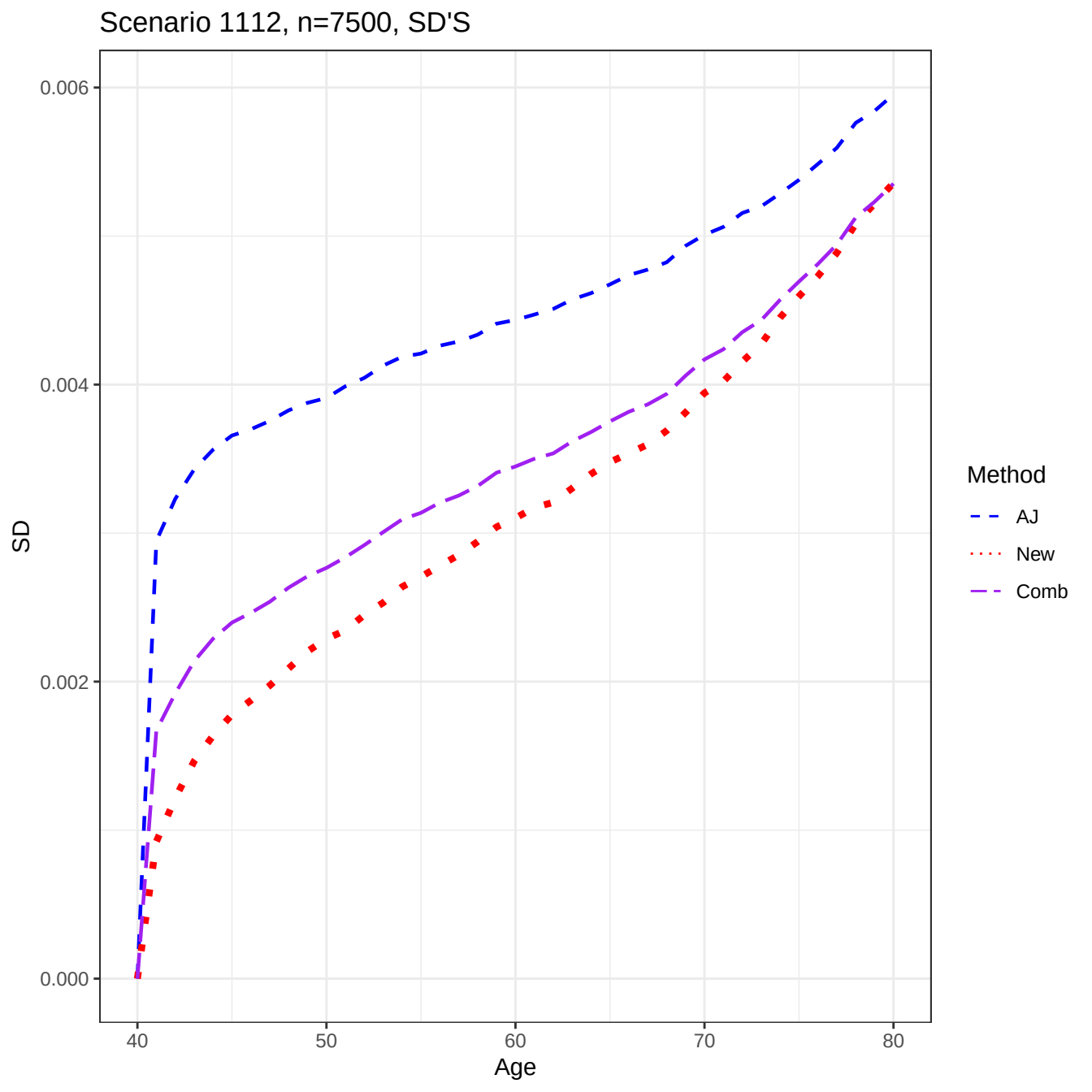
auxflg = FALSE

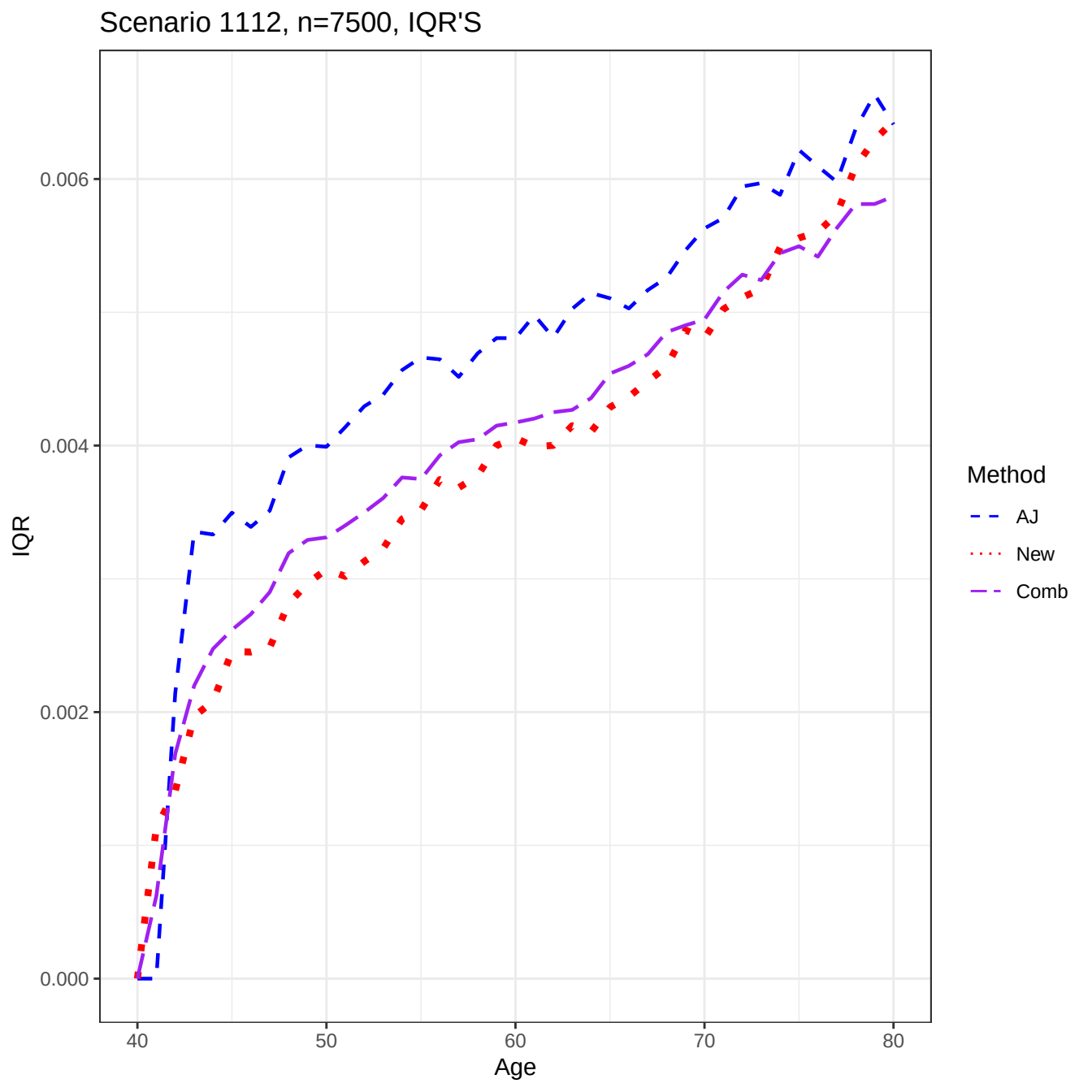
bootstrap weights: normal

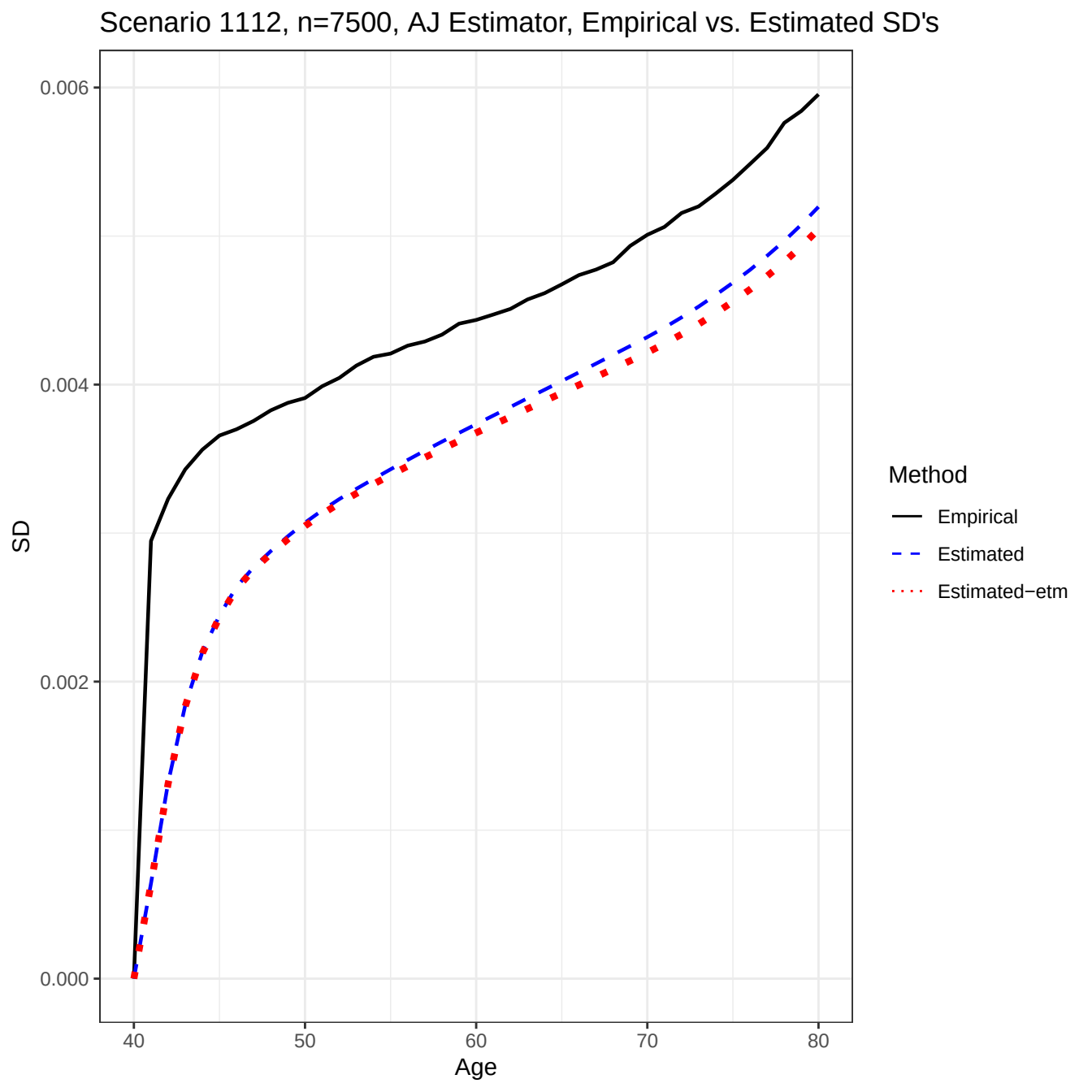
Date/Time: 2024−01−18 23:54:18.418479

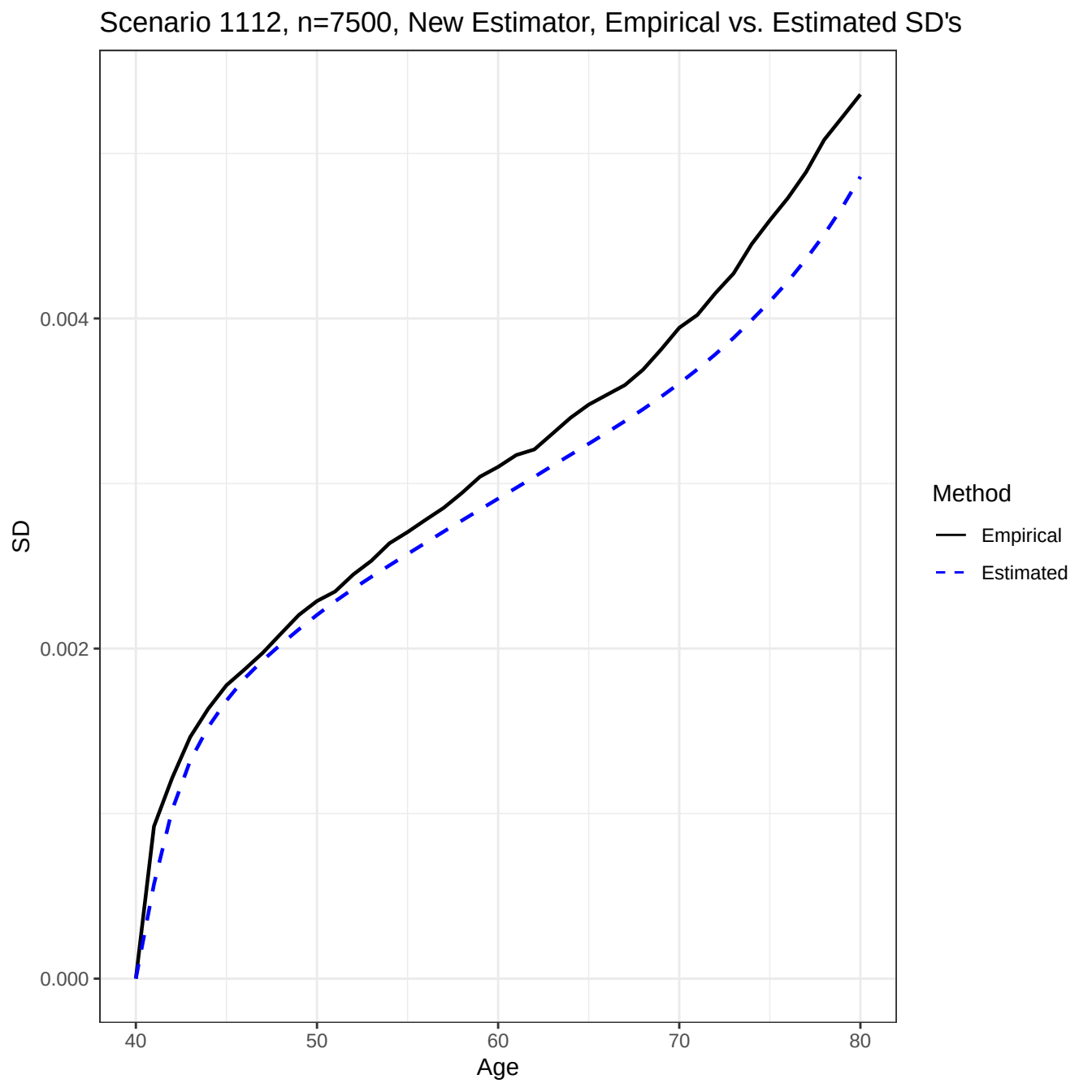

Scenario 1112, n=7500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

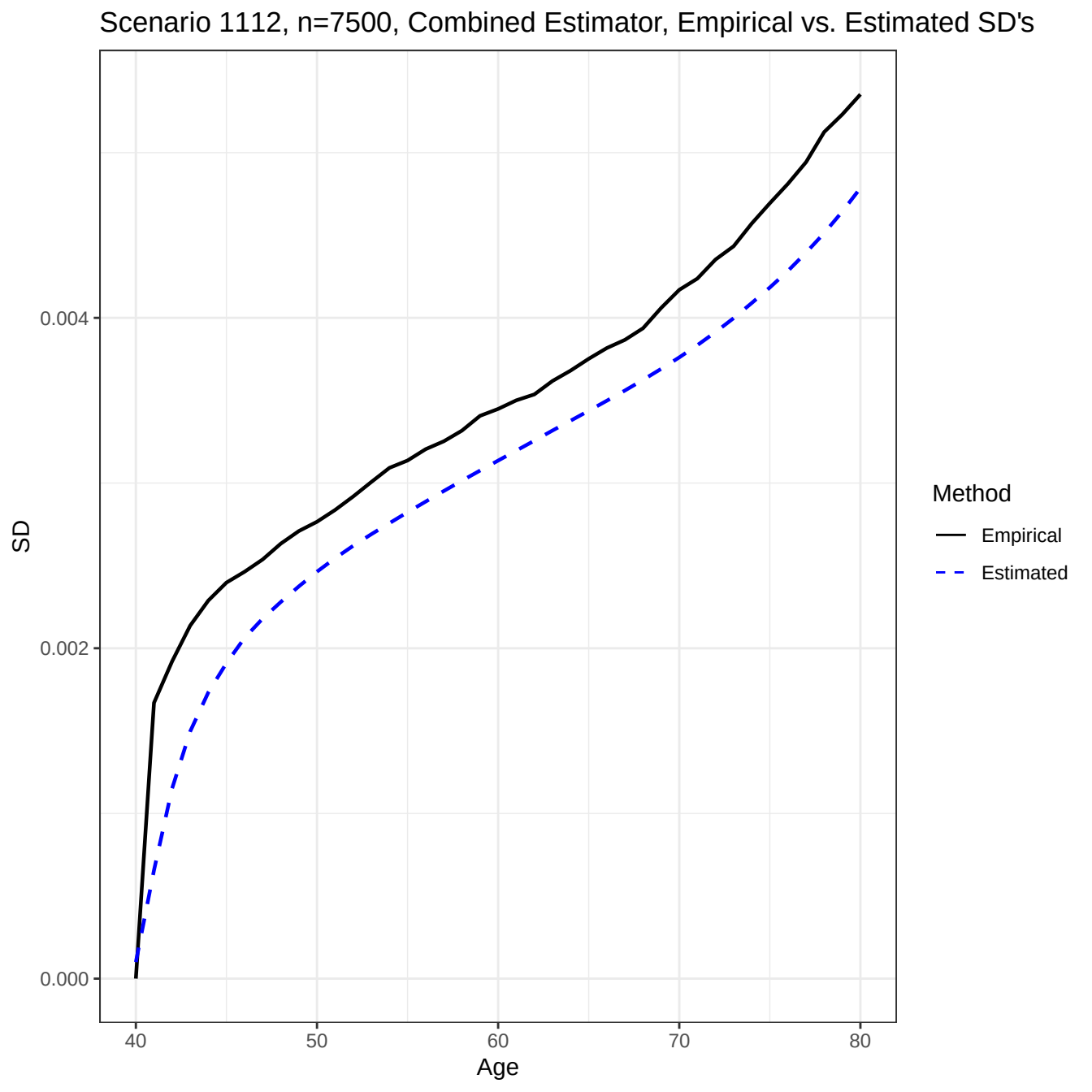

Scenario 1112, n=7500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

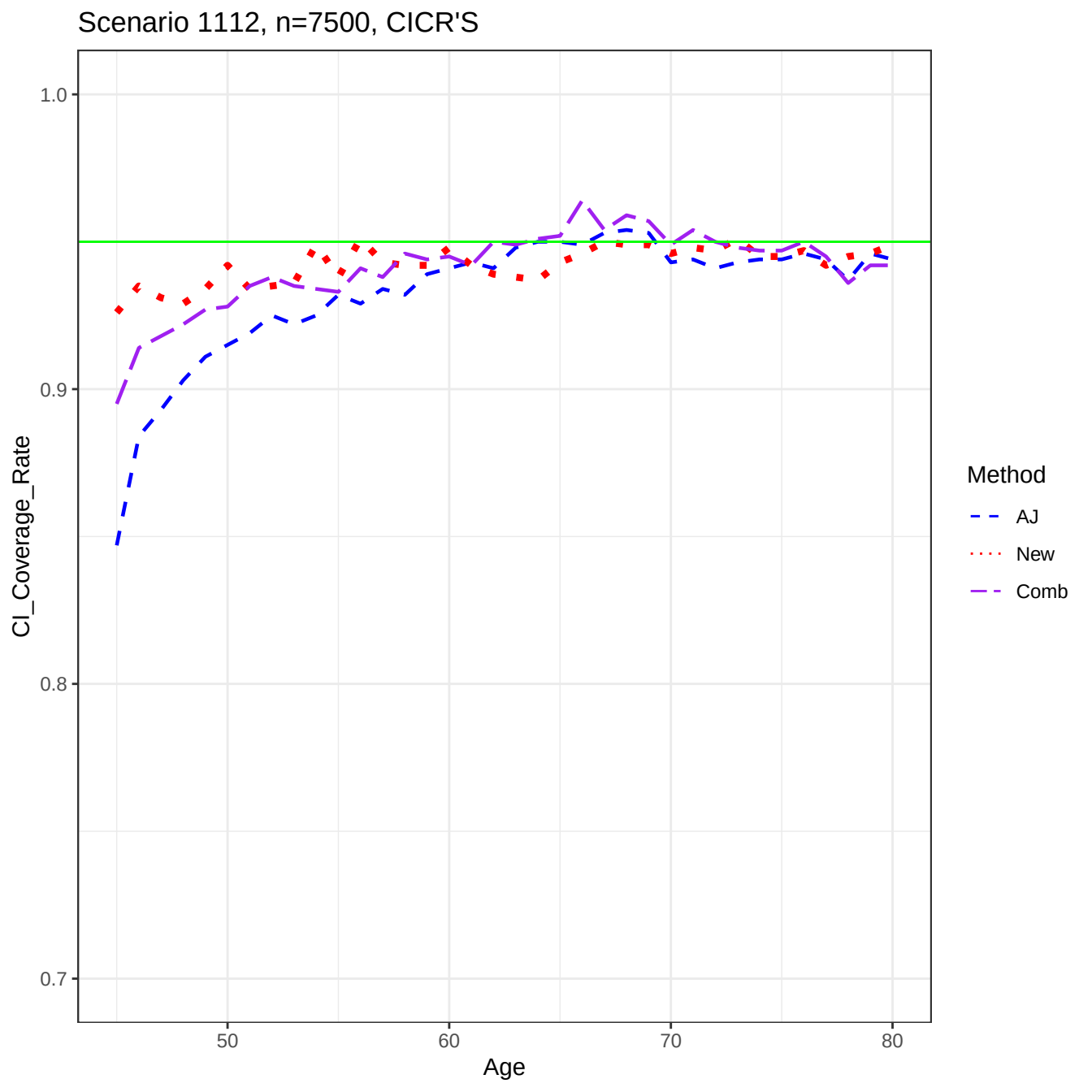

Scenario 1112, n=7500, SD'S
0.006
0.004
0.002
0.000
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

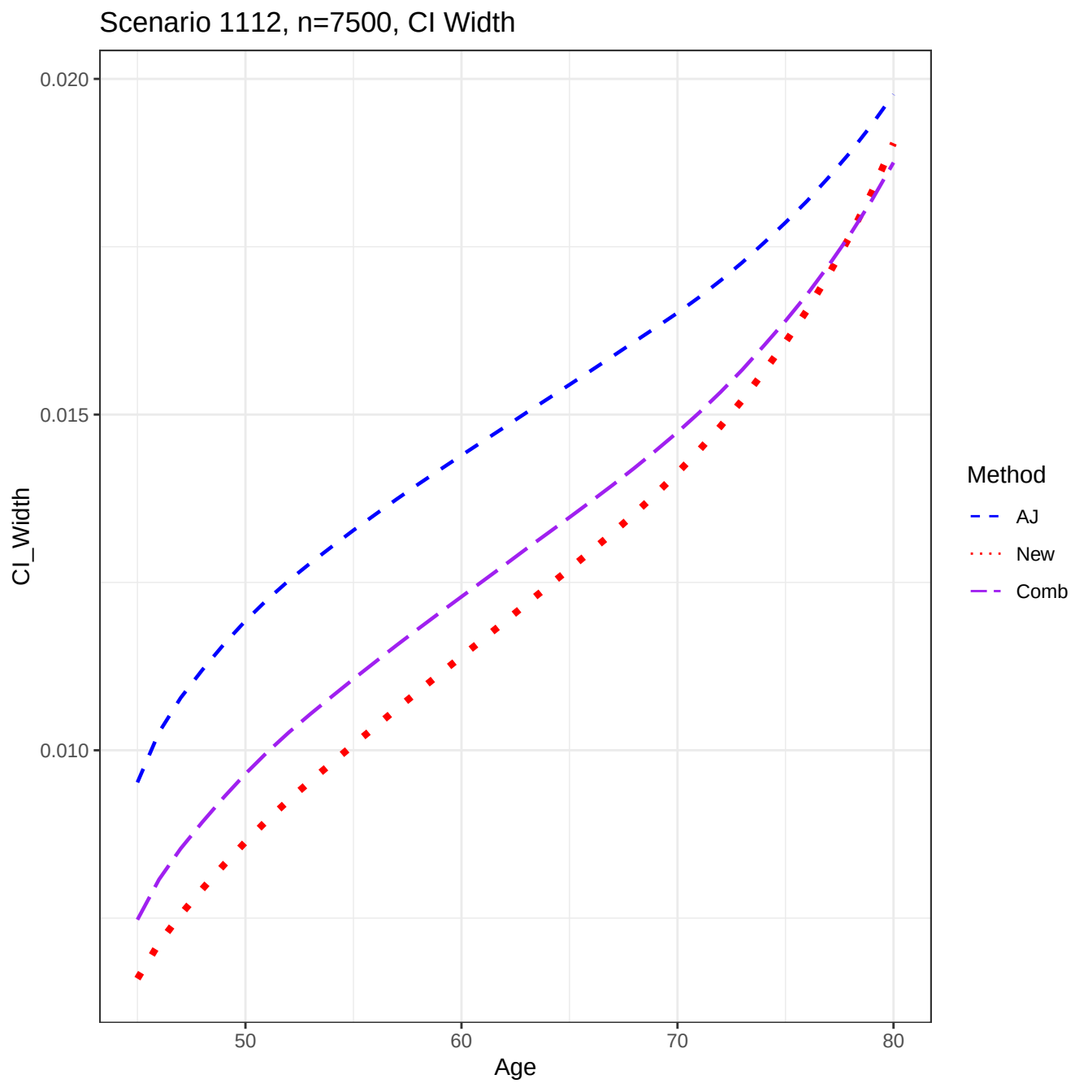

Scenario 1112, n=7500, IQR'S
IQR
0.000
0.002
0.004
0.006
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1112, n=7500, AJ Estimator, Empirical vs. Estimated SD's
0.006
0.004
0.002
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1112, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.000
0.002
0.004
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1112, n=7500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1112, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1112, n=7500, CI Width
0.020
0.015
0.010
CI_Width
50
60
70
80
Age
Method
AJ
New
Comb

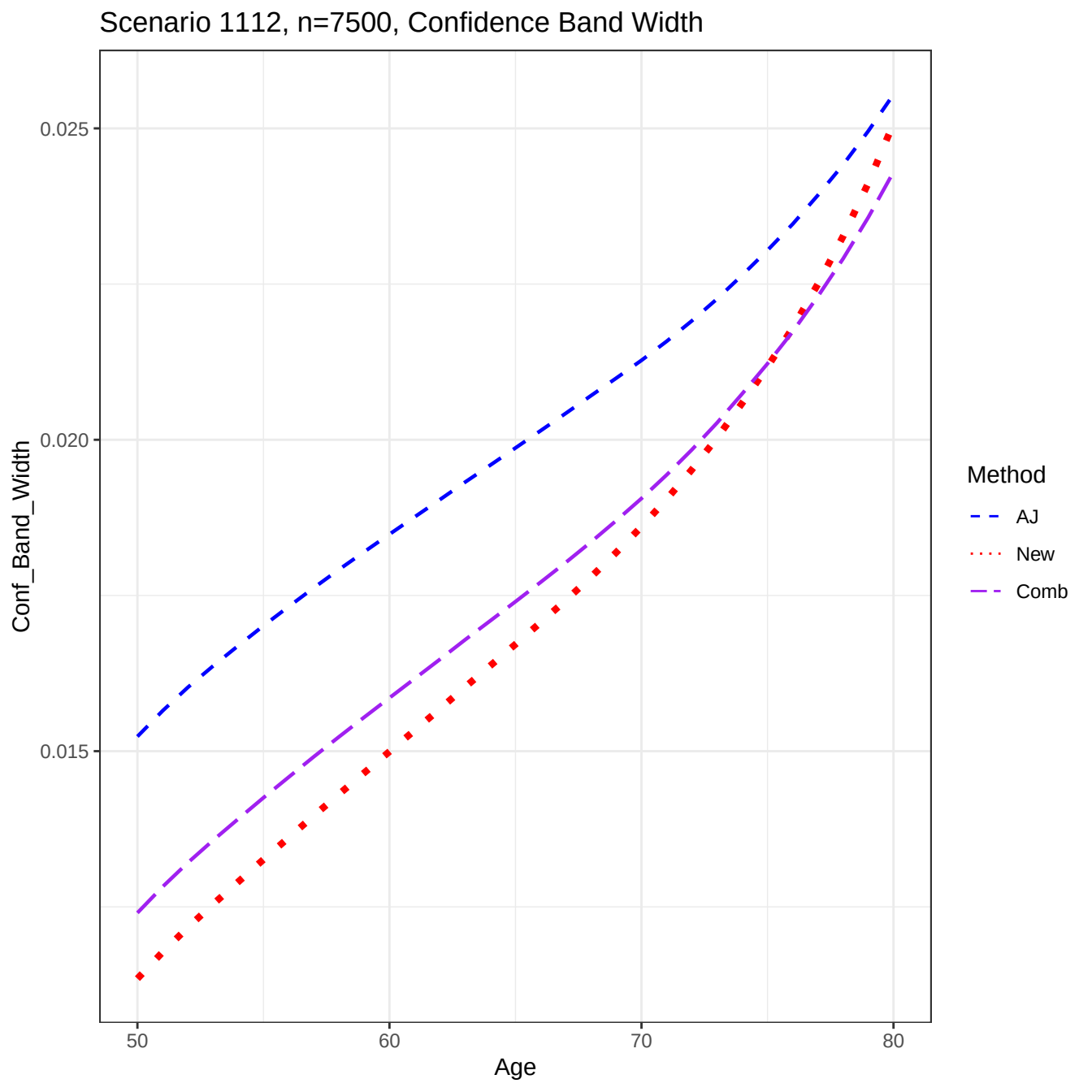
CONFIDENCE BAND COVERAGE RATES

Scenario: 1112

AJ: 0.937

new: 0.933

Combo: 0.94


Scenario 1112, n=7500, Confidence Band Width
Conf_Band_Width
0.025
0.020
0.015
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 1121

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

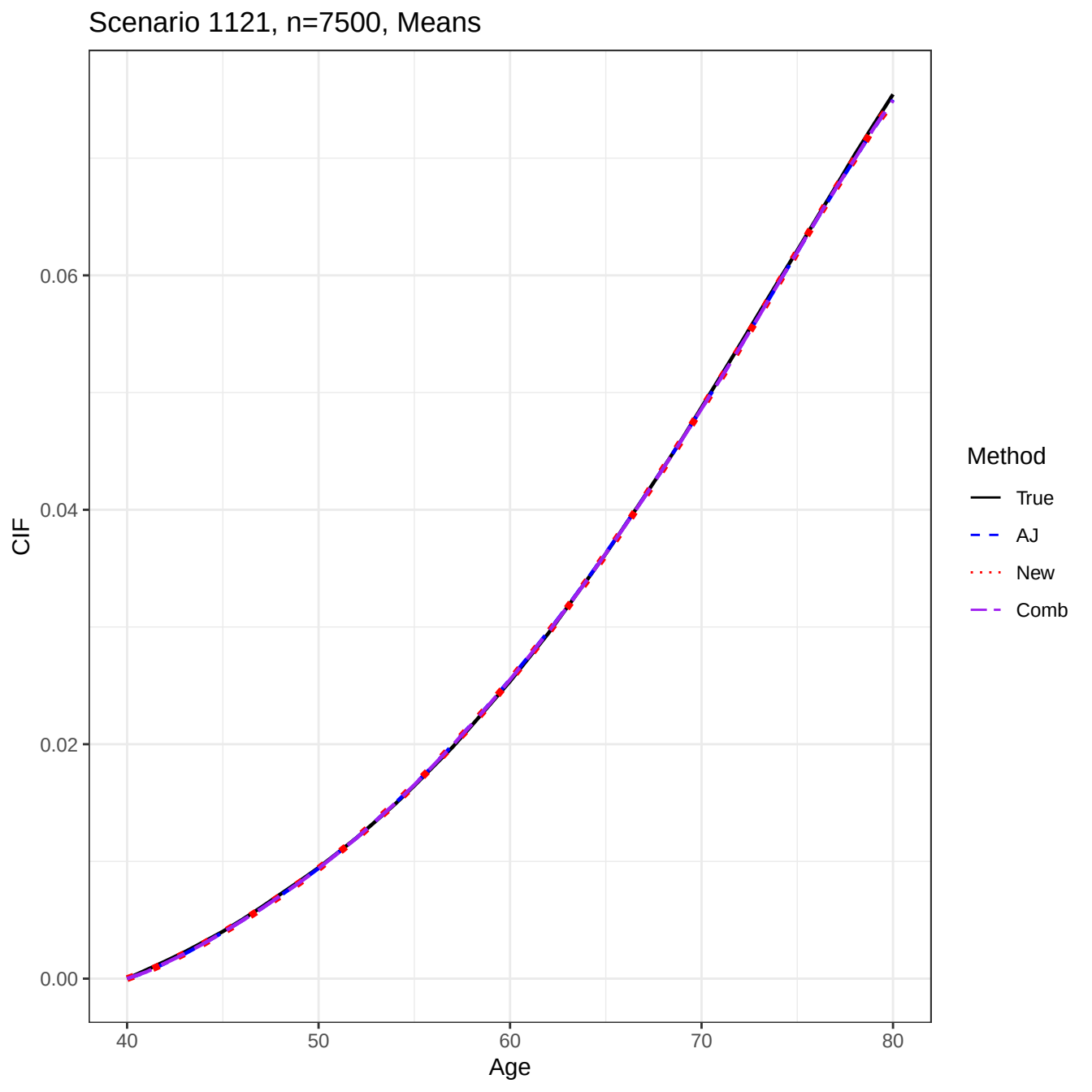
transformation: 0.5*pi − asin(sqrt(1−u))

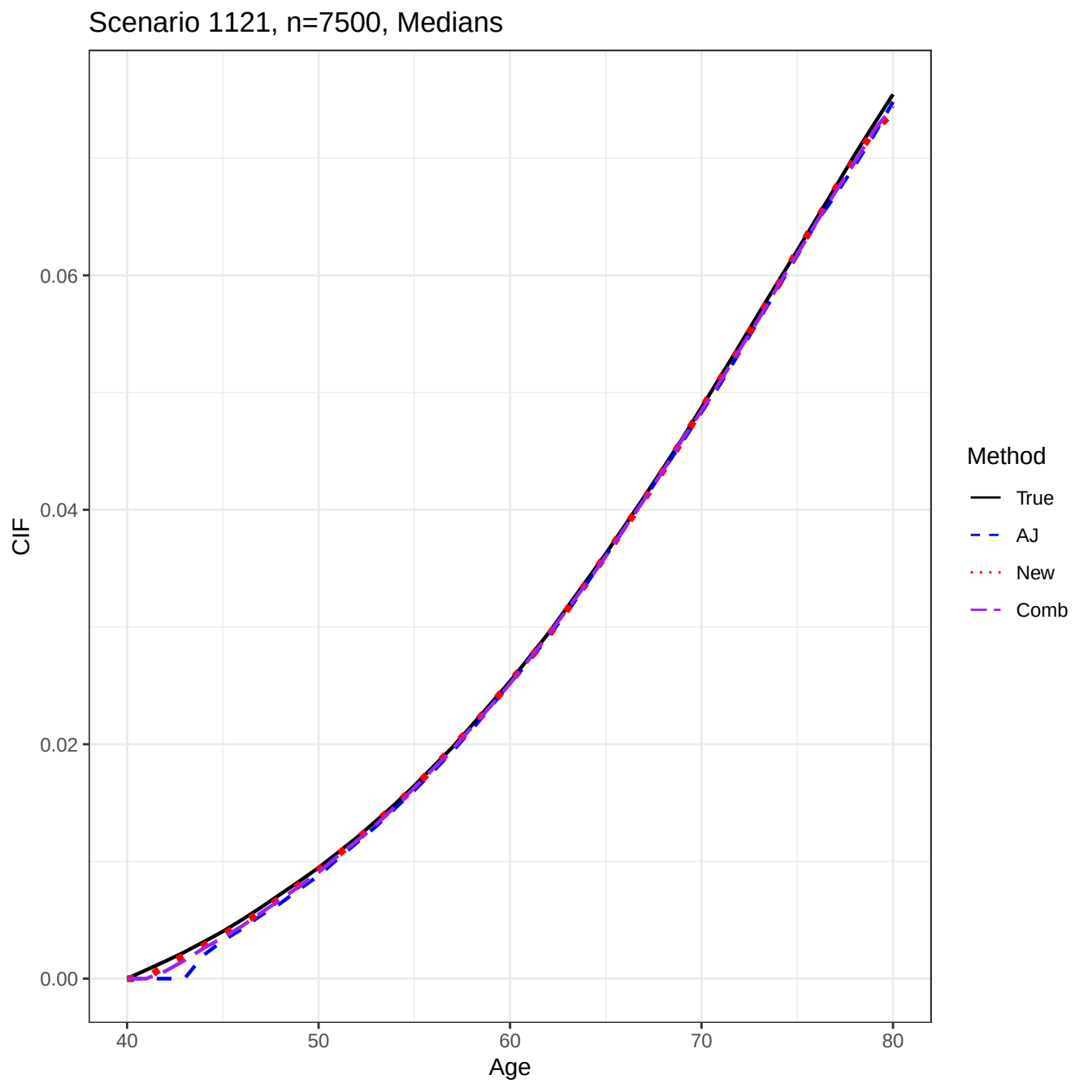
pointwise CI's done by: normal−theory

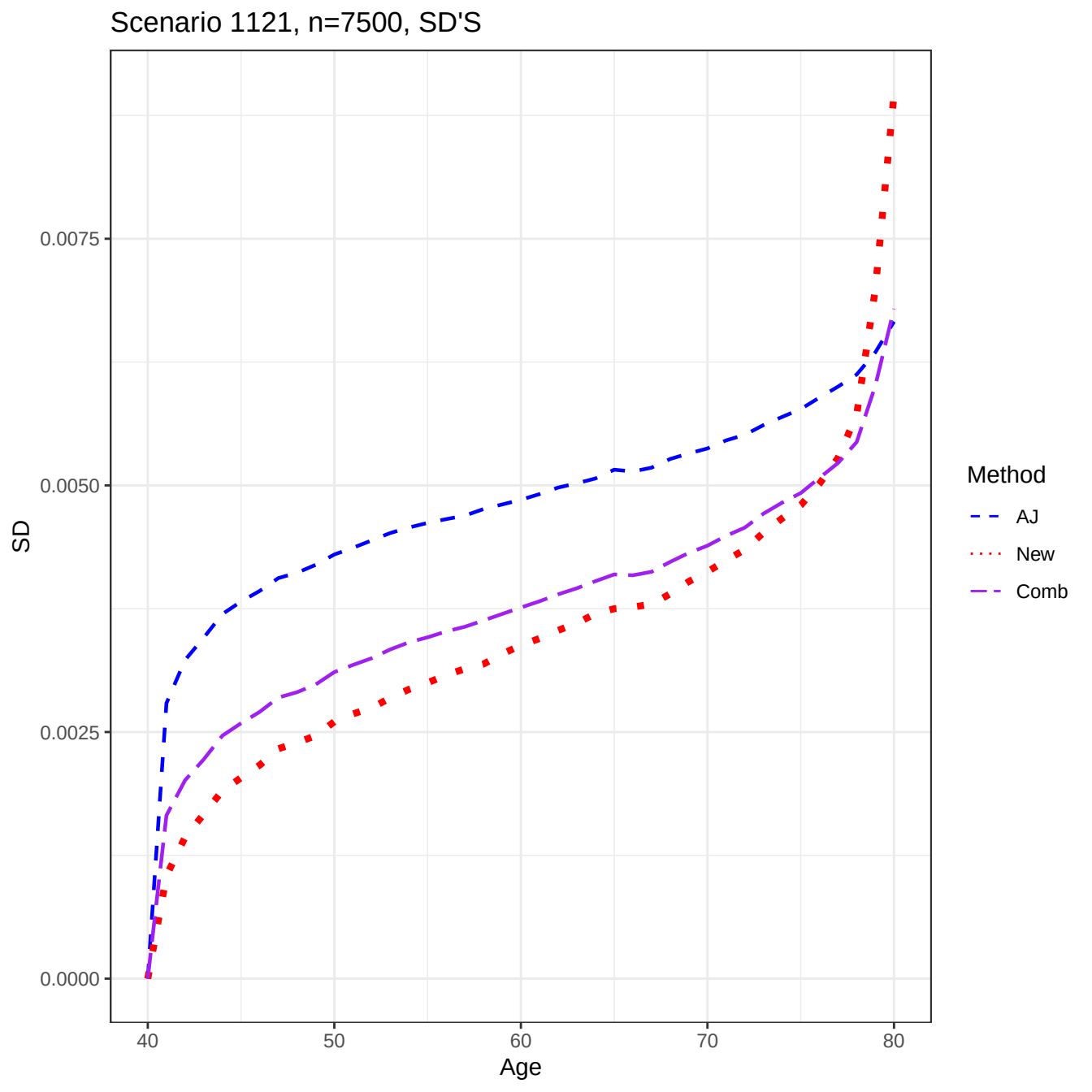
auxflg = FALSE

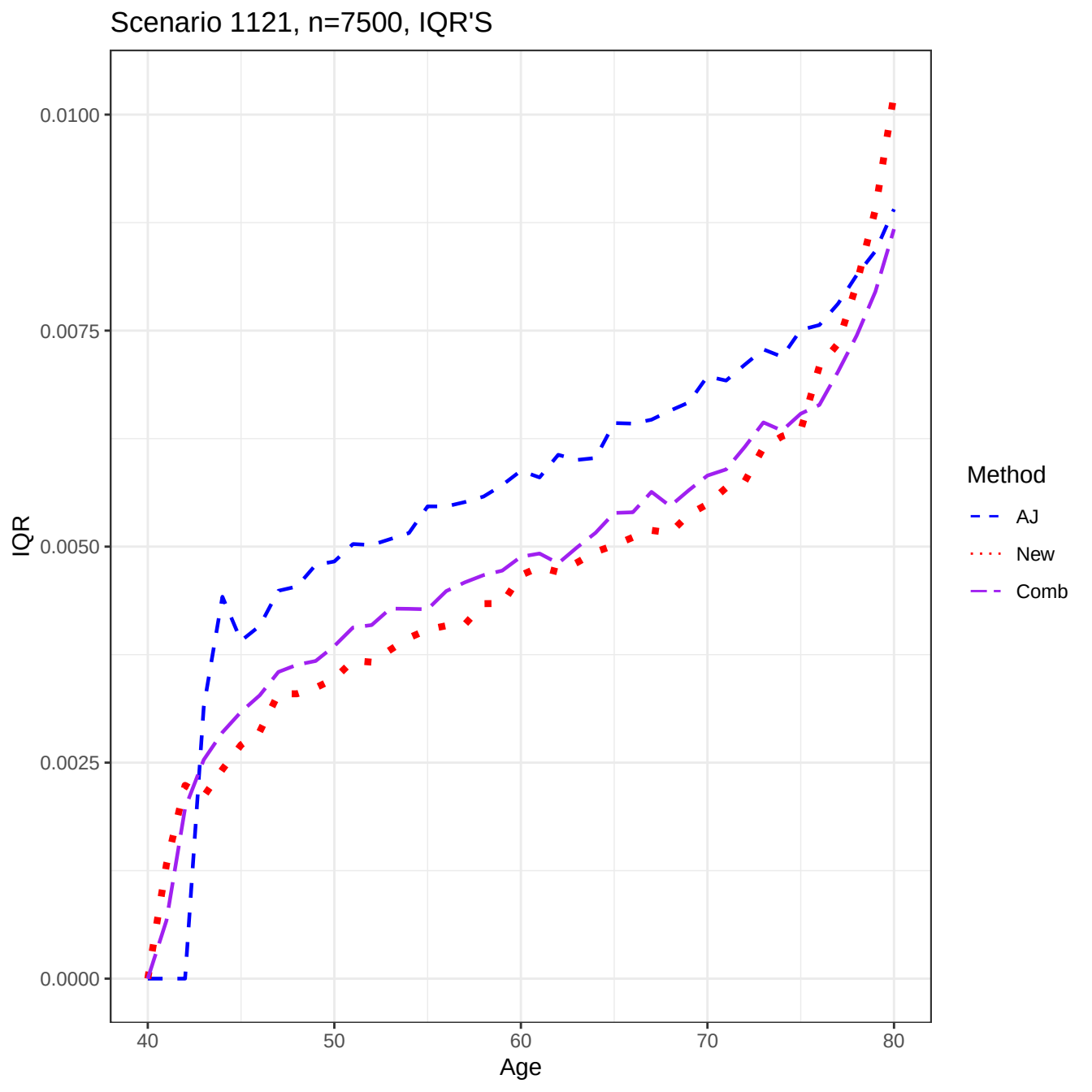
bootstrap weights: normal

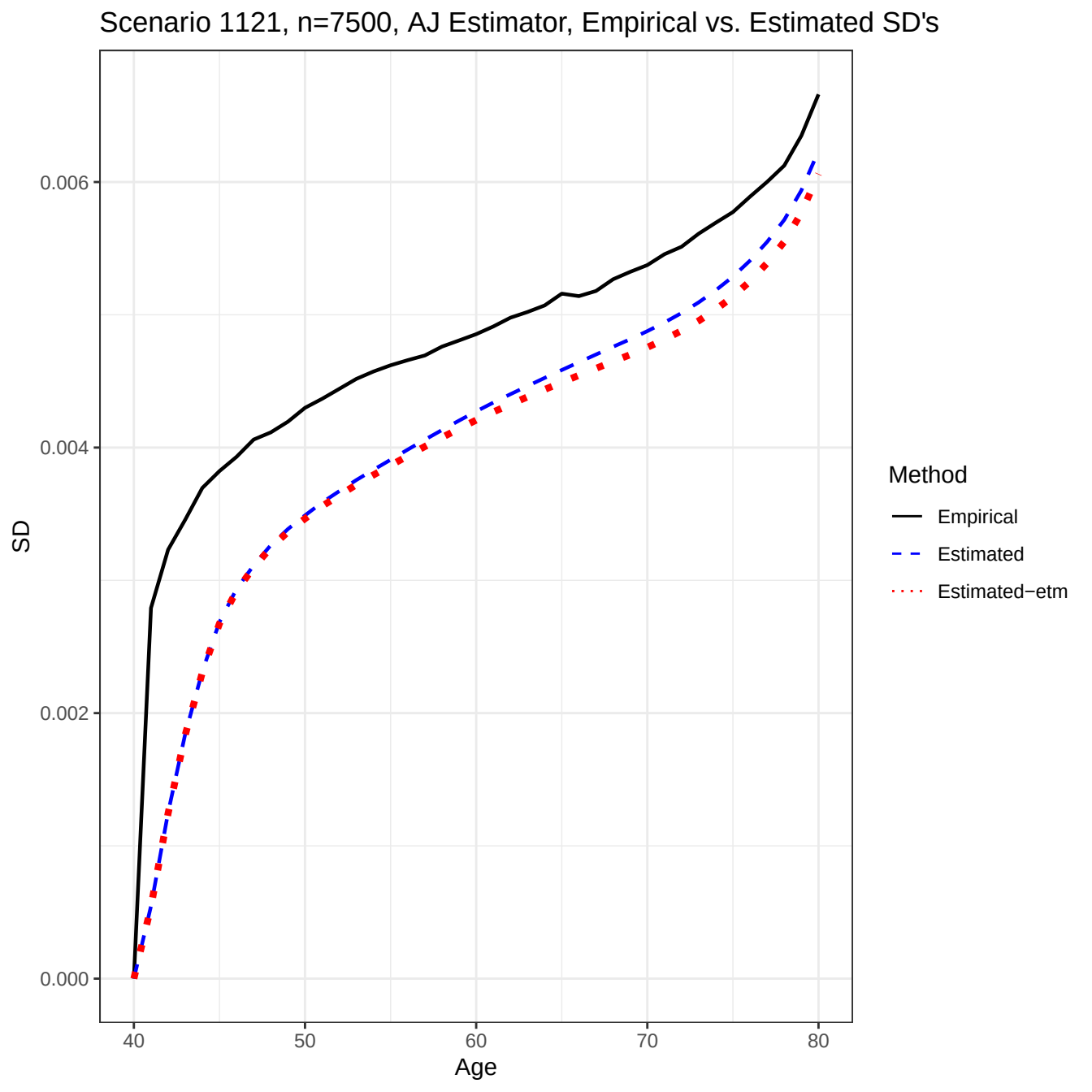
Date/Time: 2024−01−19 01:32:41.802869

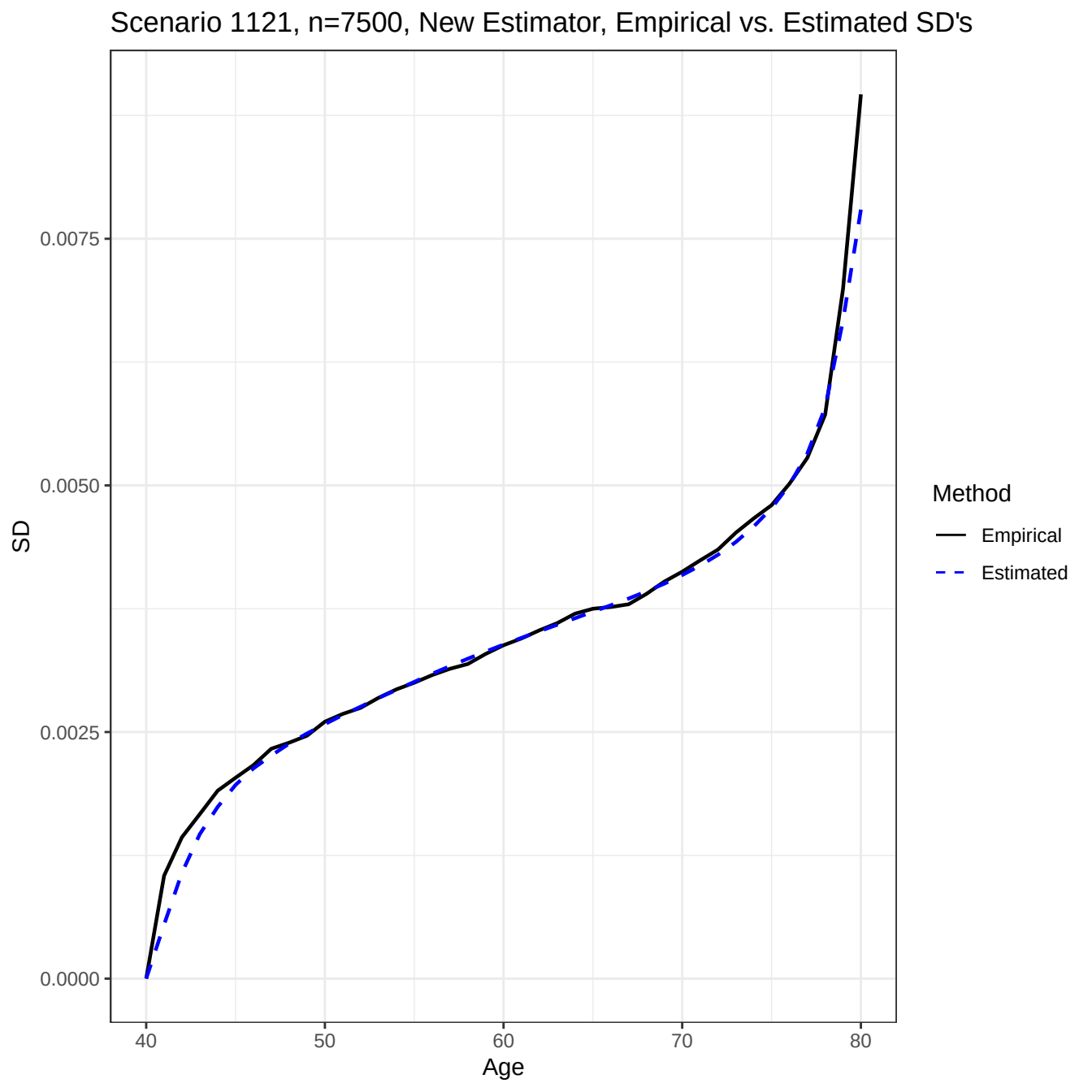

Scenario 1121, n=7500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

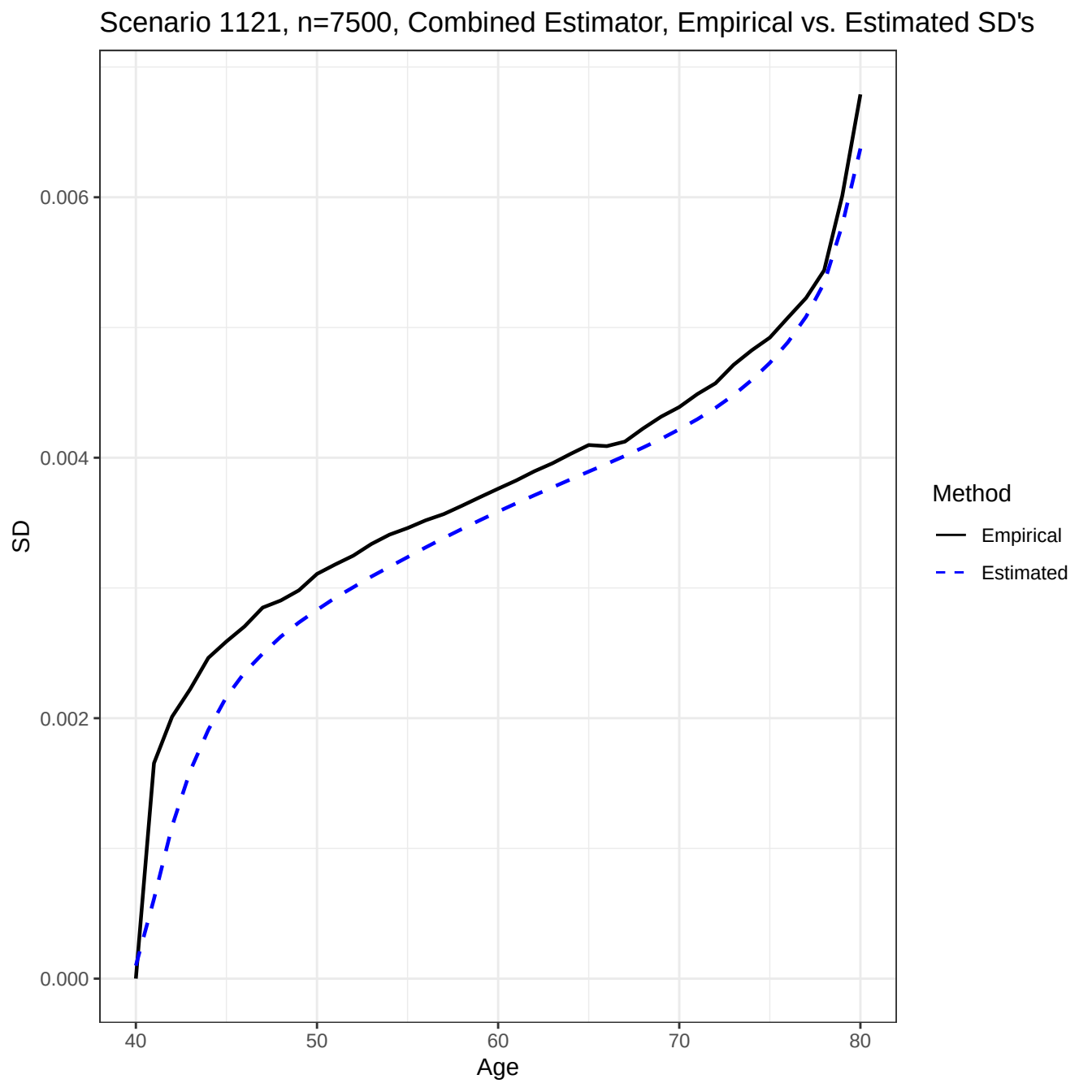

Scenario 1121, n=7500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

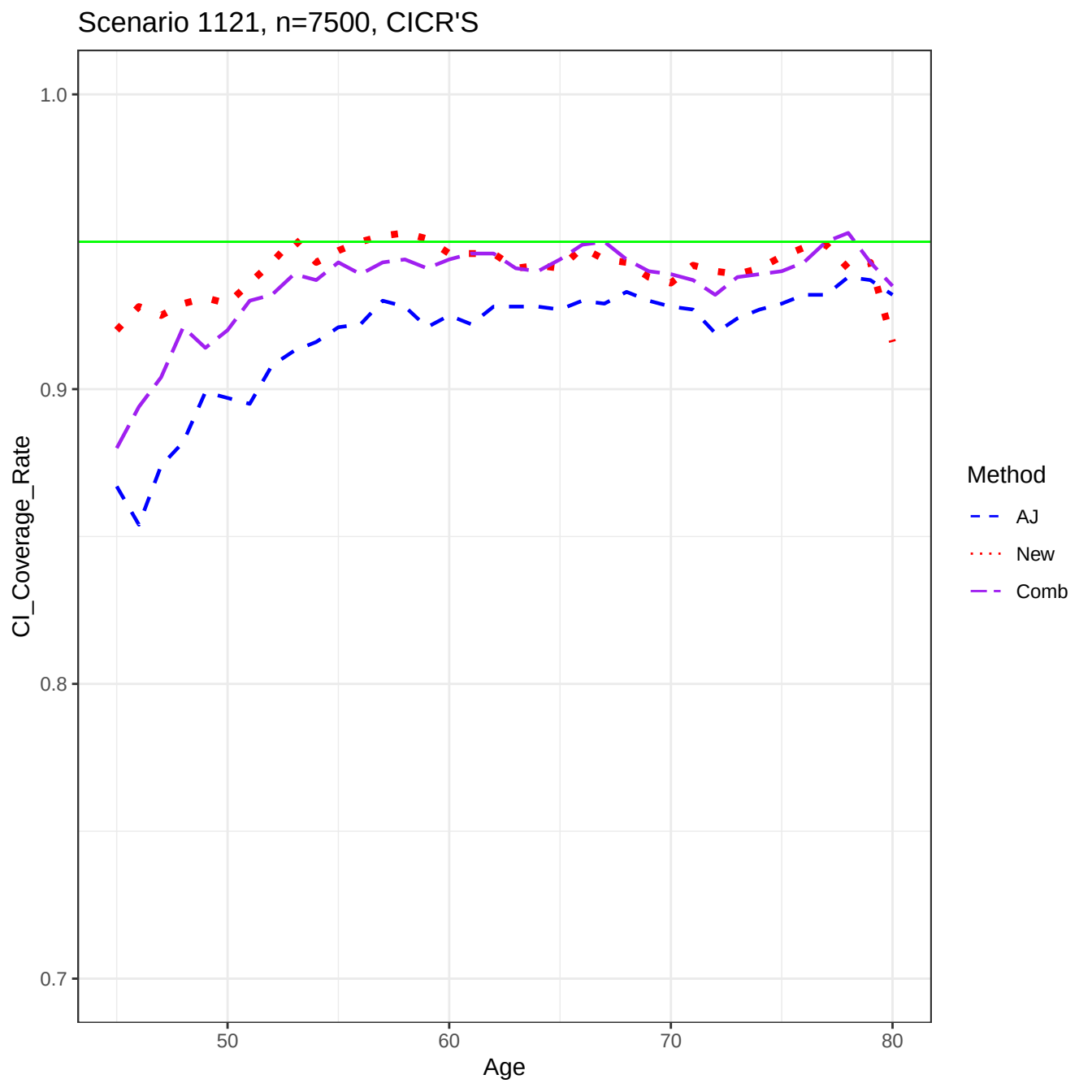

Scenario 1121, n=7500, SD'S
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
AJ
New
Comb

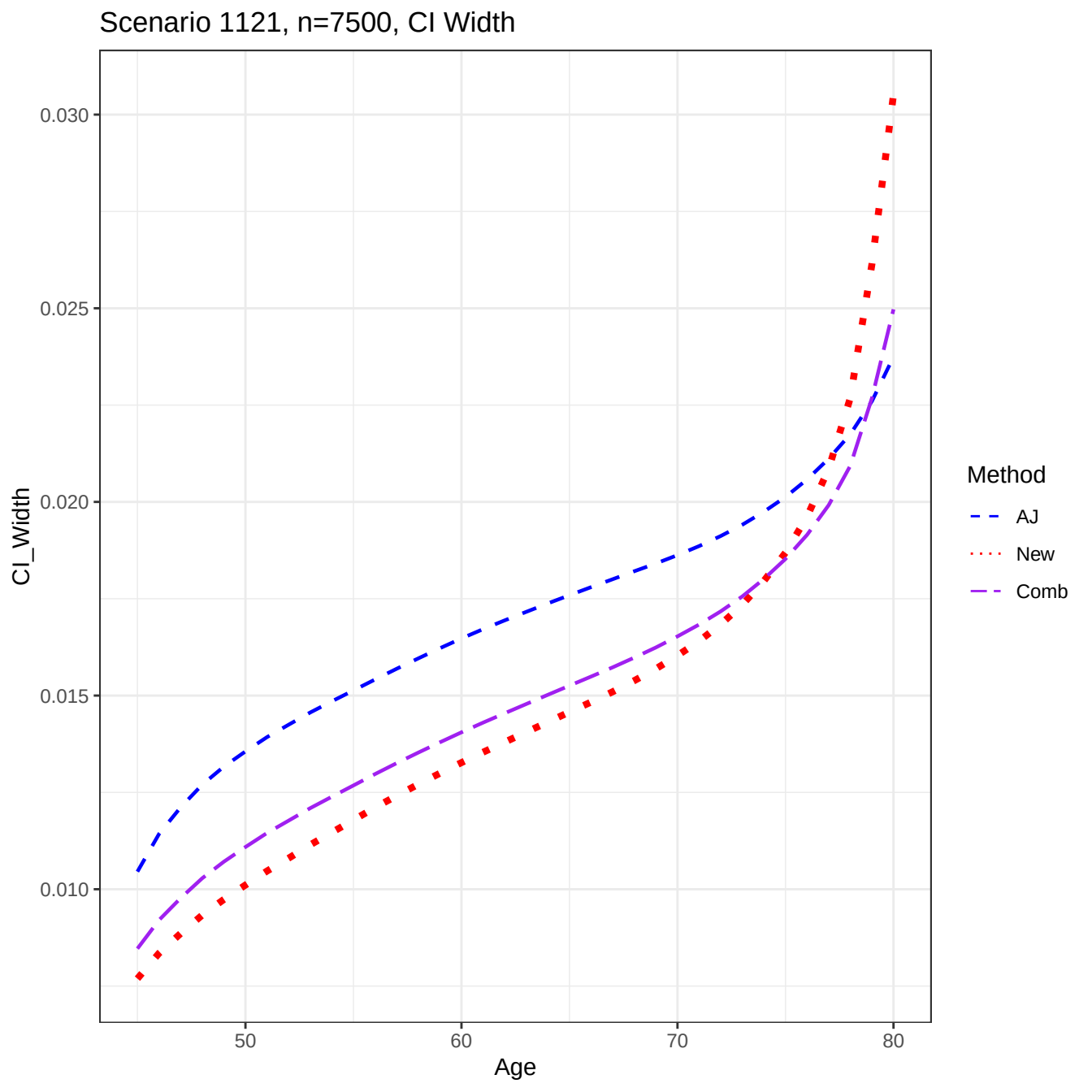

Scenario 1121, n=7500, IQR'S
IQR
0.0100
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1121, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.000
0.002
0.004
0.006
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1121, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1121, n=7500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1121, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1121, n=7500, CI Width
0.030
0.025
0.020
0.015
0.010
CI_Width
50
60
70
80
Age
Method
AJ
New
Comb

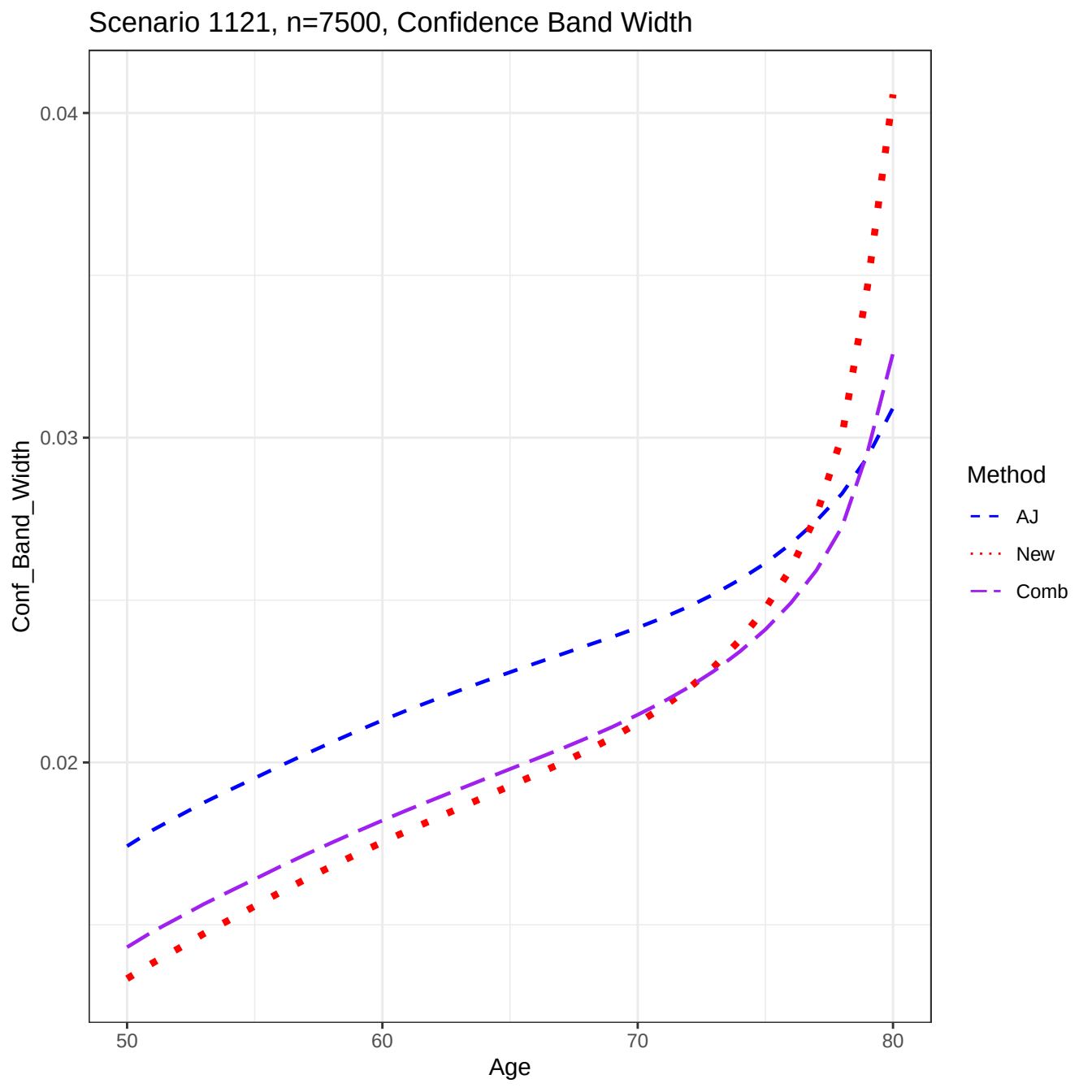
CONFIDENCE BAND COVERAGE RATES

Scenario: 1121

AJ: 0.909

new: 0.925

Combo: 0.913


Scenario 1121, n=7500, Confidence Band Width
Conf_Band_Width
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 1122

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

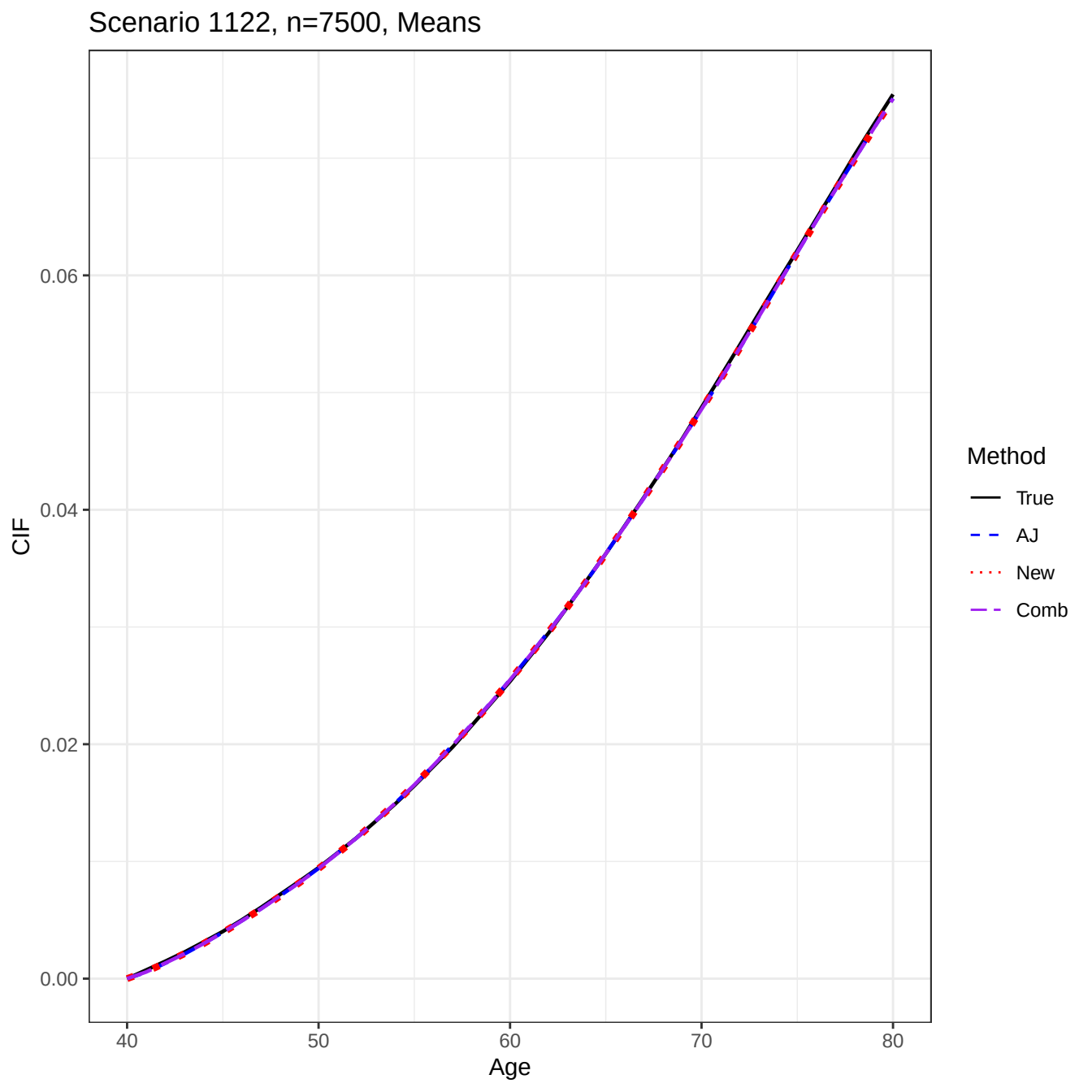
transformation: 0.5*pi − asin(sqrt(1−u))

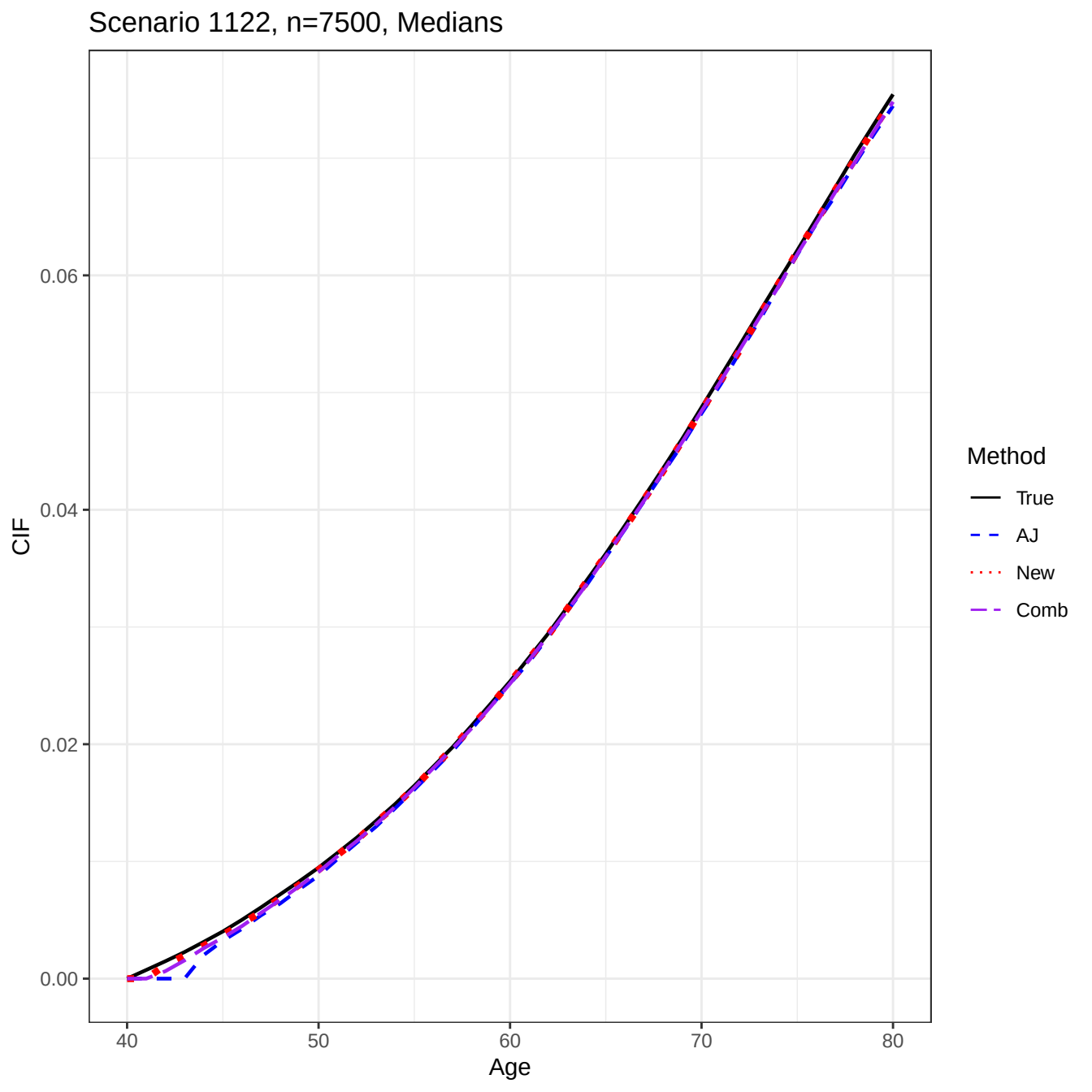
pointwise CI's done by: normal−theory

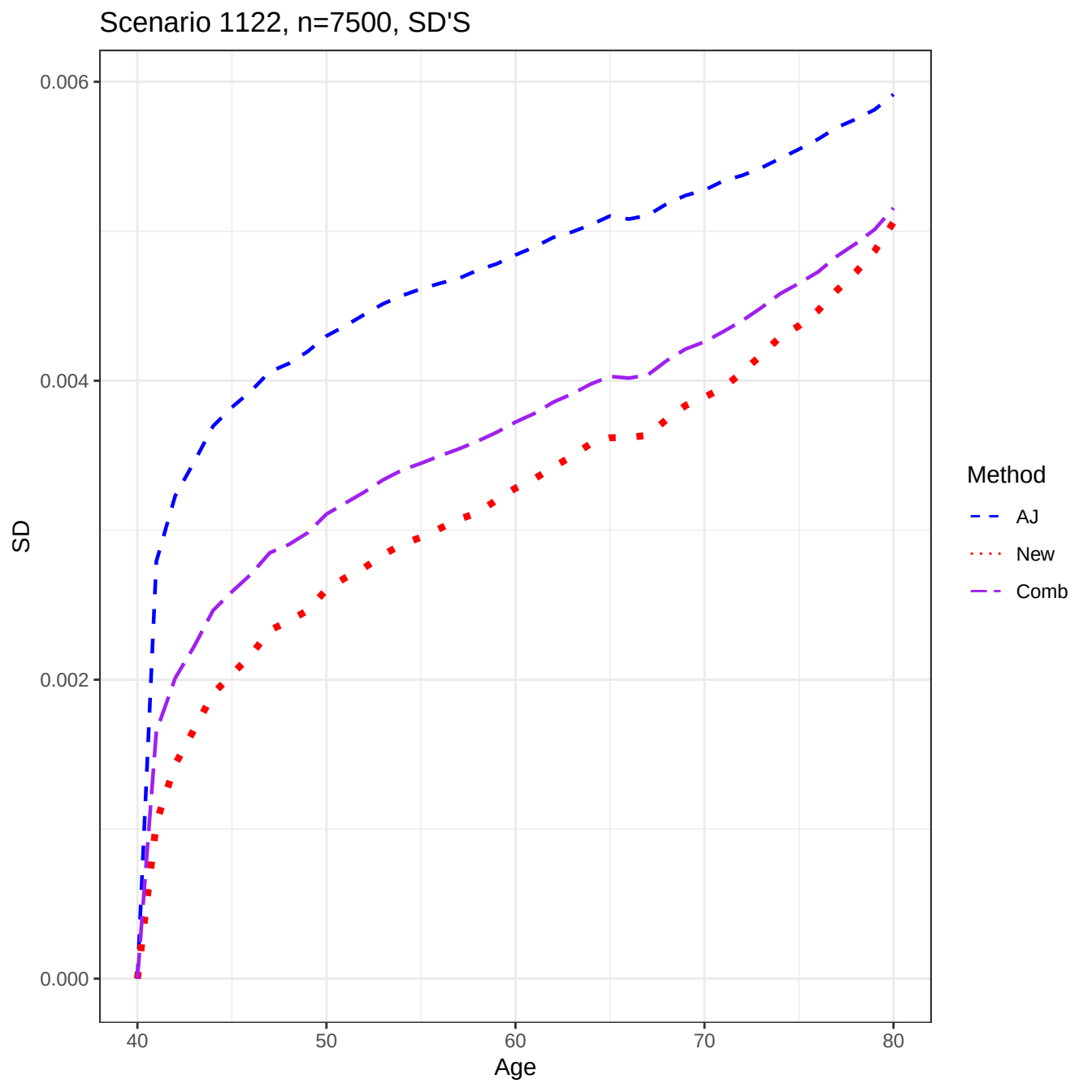
auxflg = FALSE

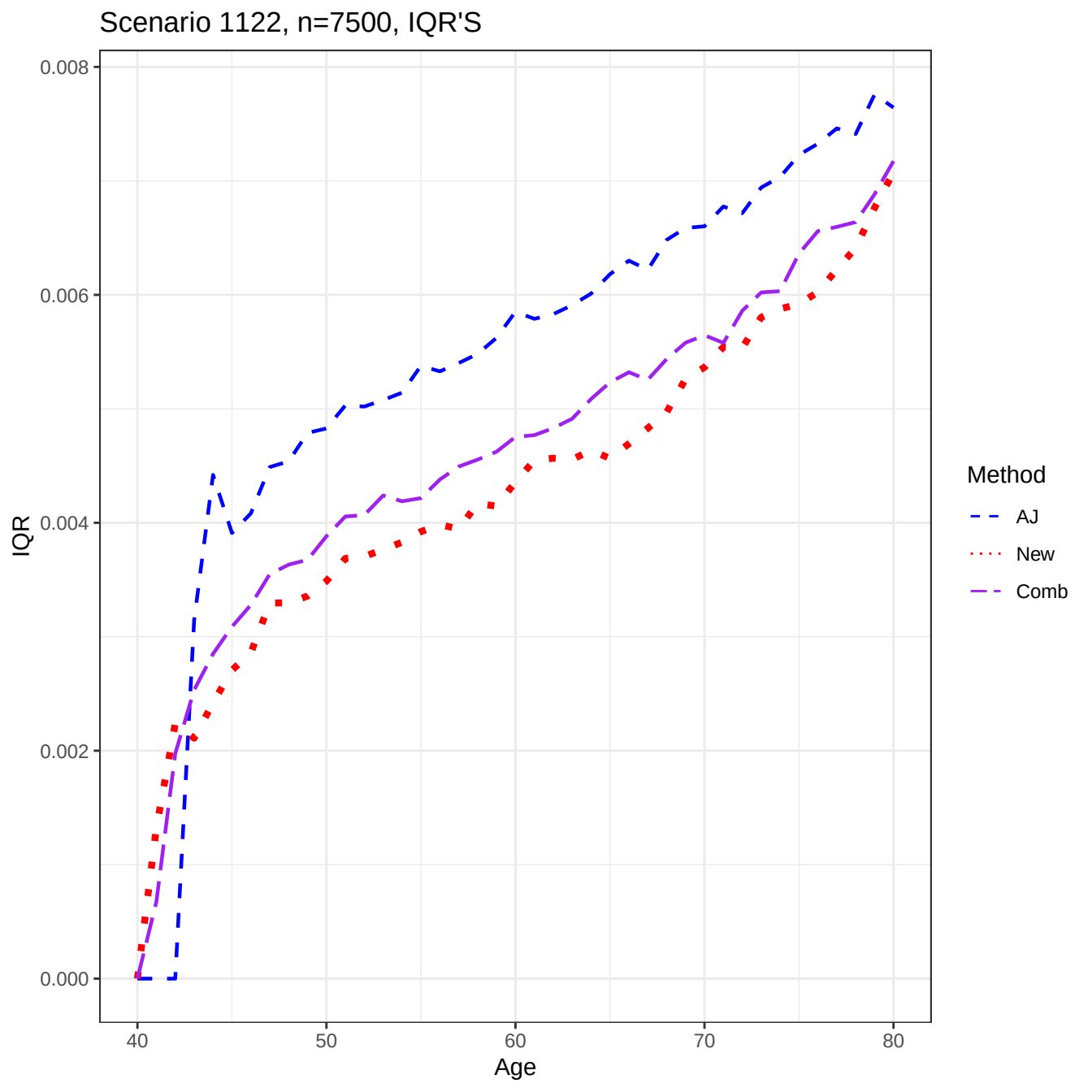
bootstrap weights: normal

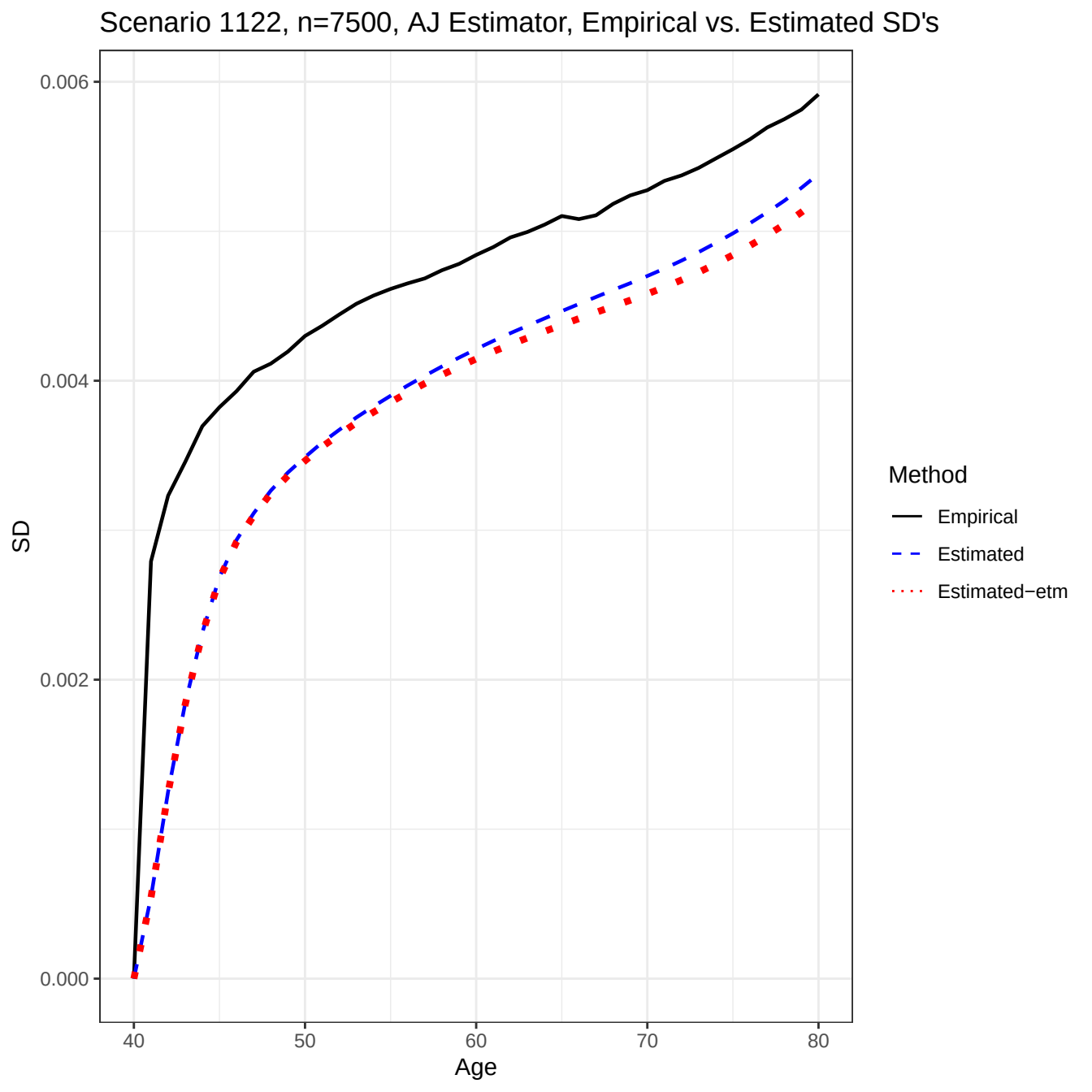
Date/Time: 2024−01−19 12:00:52.496487

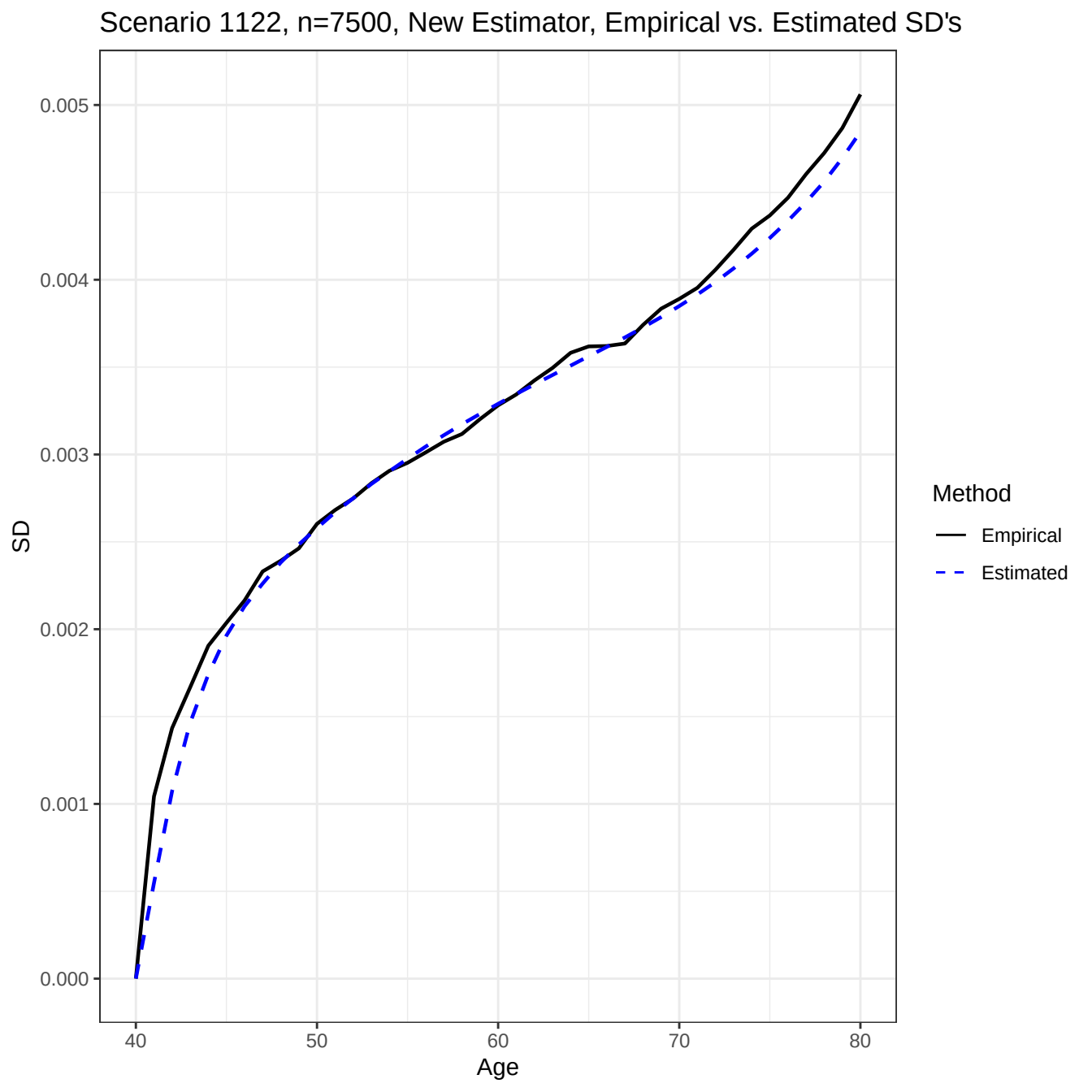

Scenario 1122, n=7500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

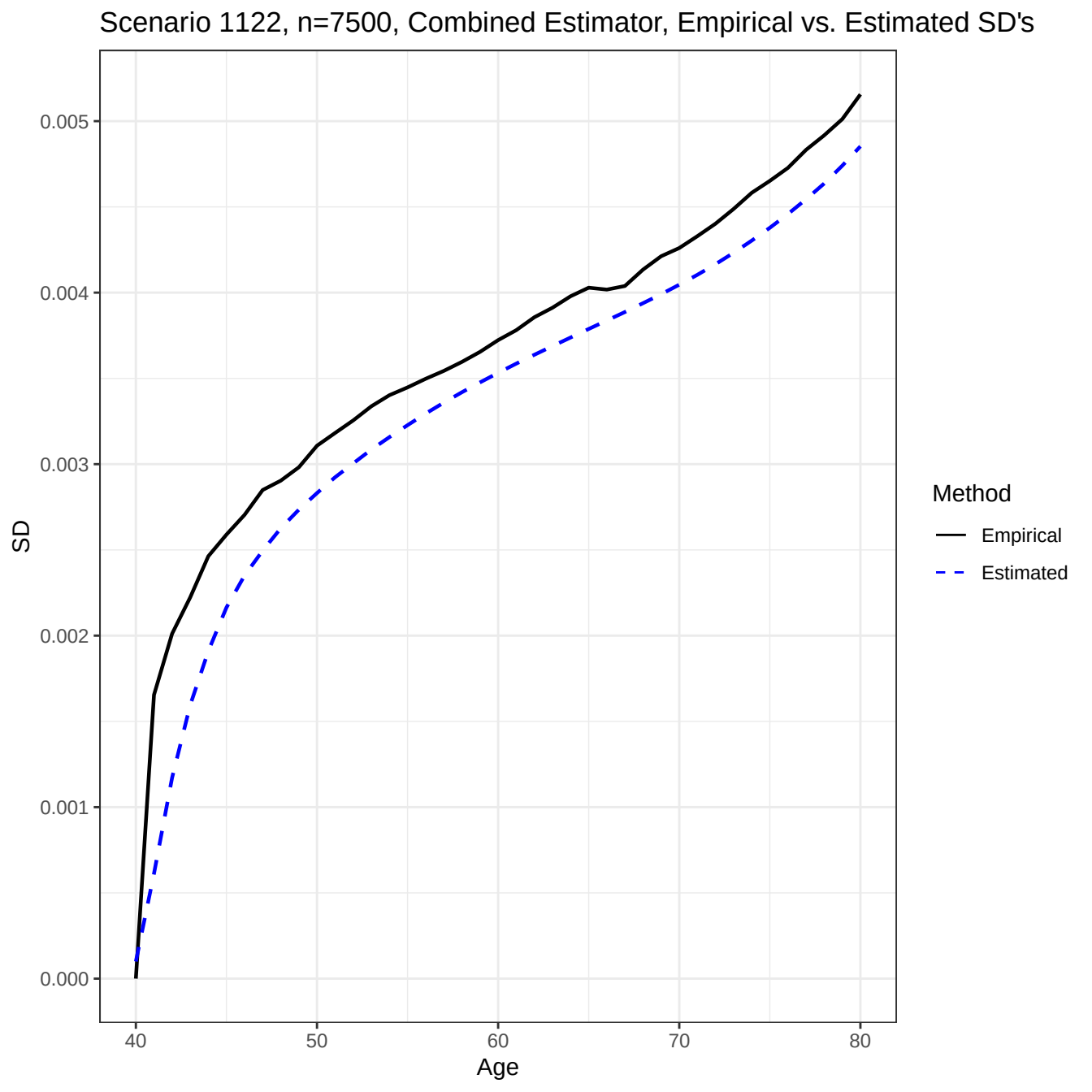

Scenario 1122, n=7500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

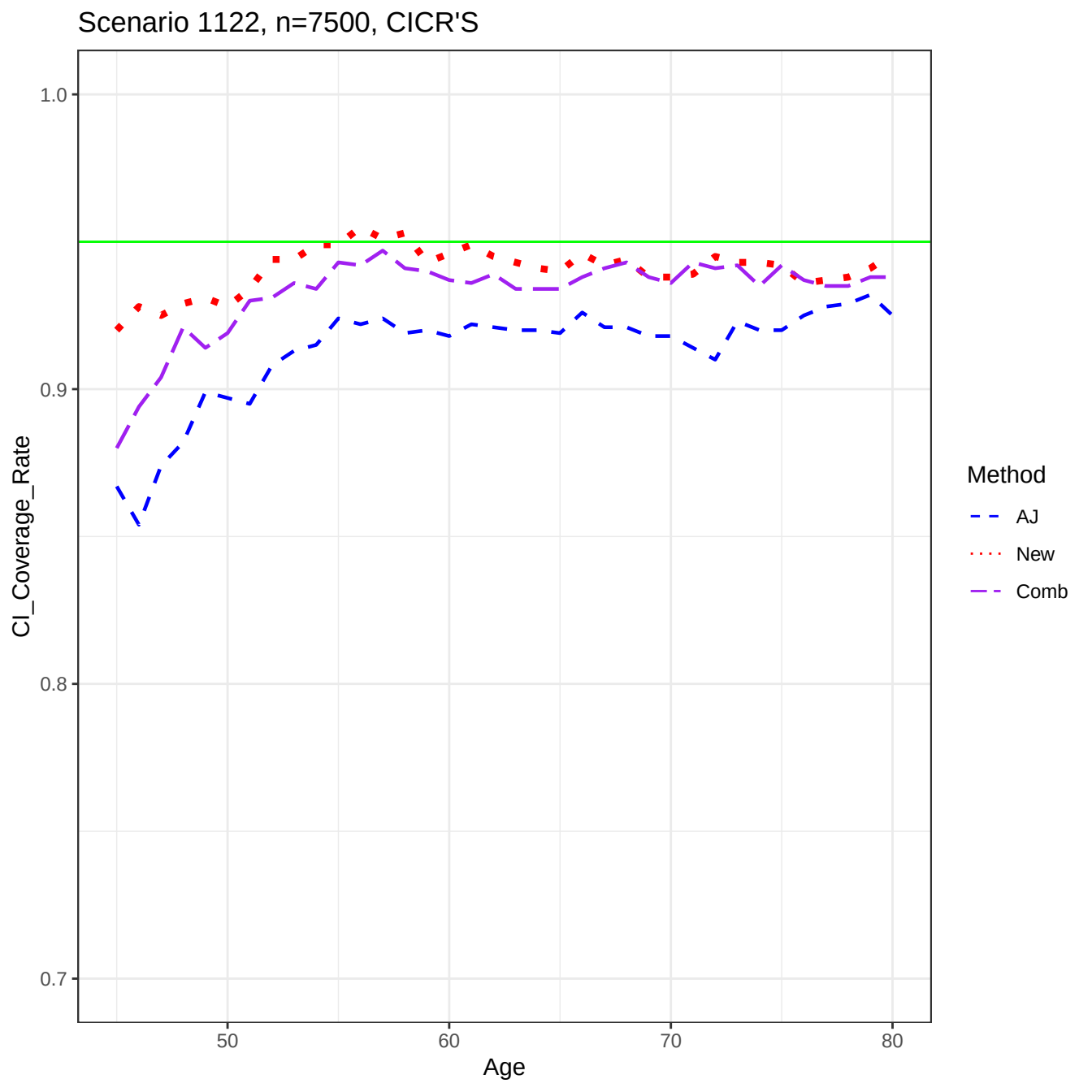

Scenario 1122, n=7500, SD'S
0.006
0.004
0.002
0.000
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

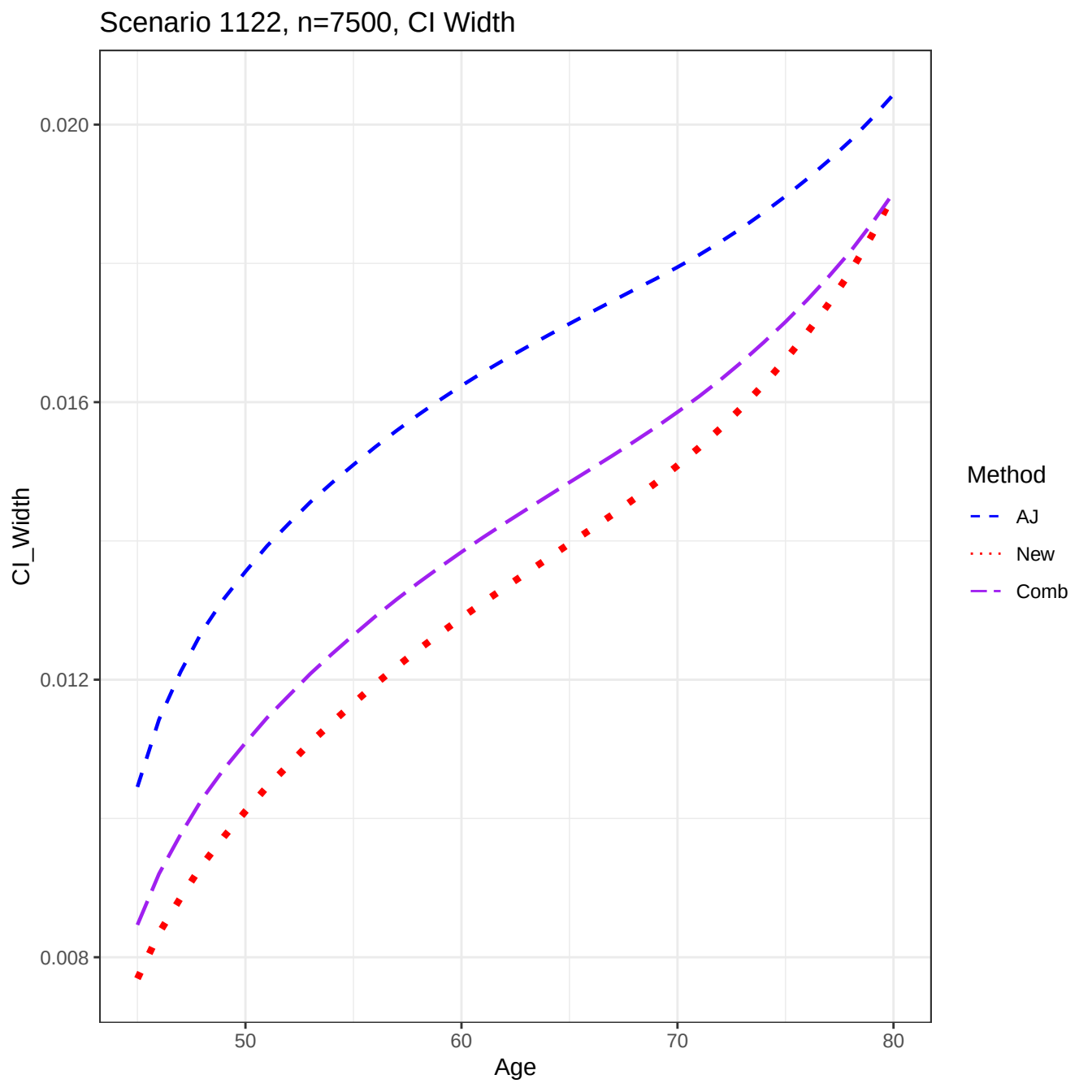

Scenario 1122, n=7500, IQR'S
0.008
0.006
0.004
0.002
0.000
IQR
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1122, n=7500, AJ Estimator, Empirical vs. Estimated SD's
0.006
0.004
0.002
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1122, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.005
0.004
0.003
0.002
0.001
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1122, n=7500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.005
0.004
0.003
0.002
0.001
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1122, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1122, n=7500, CI Width
0.020
0.016
0.012
0.008
CI_Width
50
60
70
80
Age
Method
AJ
New
Comb

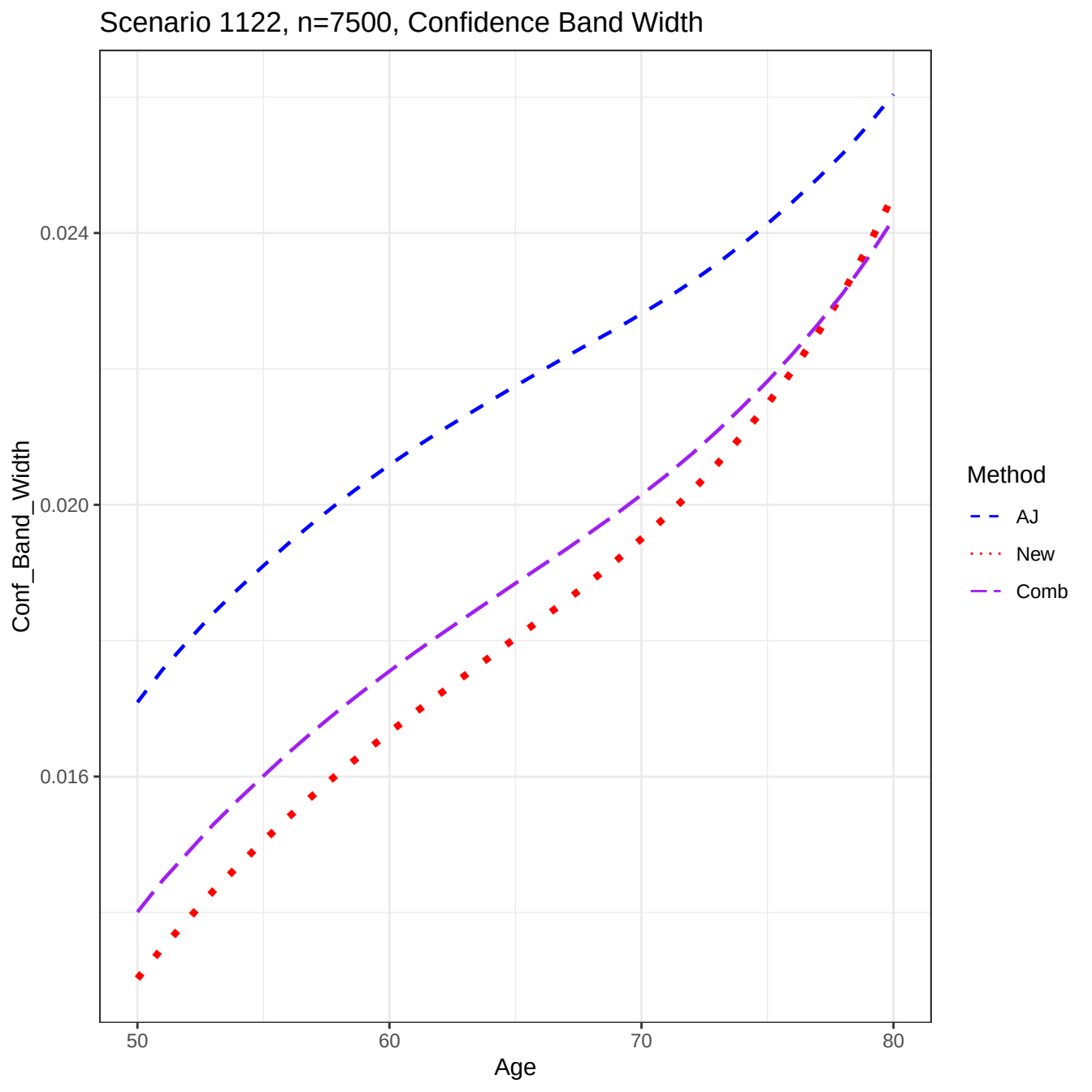
CONFIDENCE BAND COVERAGE RATES

Scenario: 1122

AJ: 0.902

new: 0.919

Combo: 0.914


Scenario 1122, n=7500, Confidence Band Width
Conf_Band_Width
0.024
0.020
0.016
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 1211

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

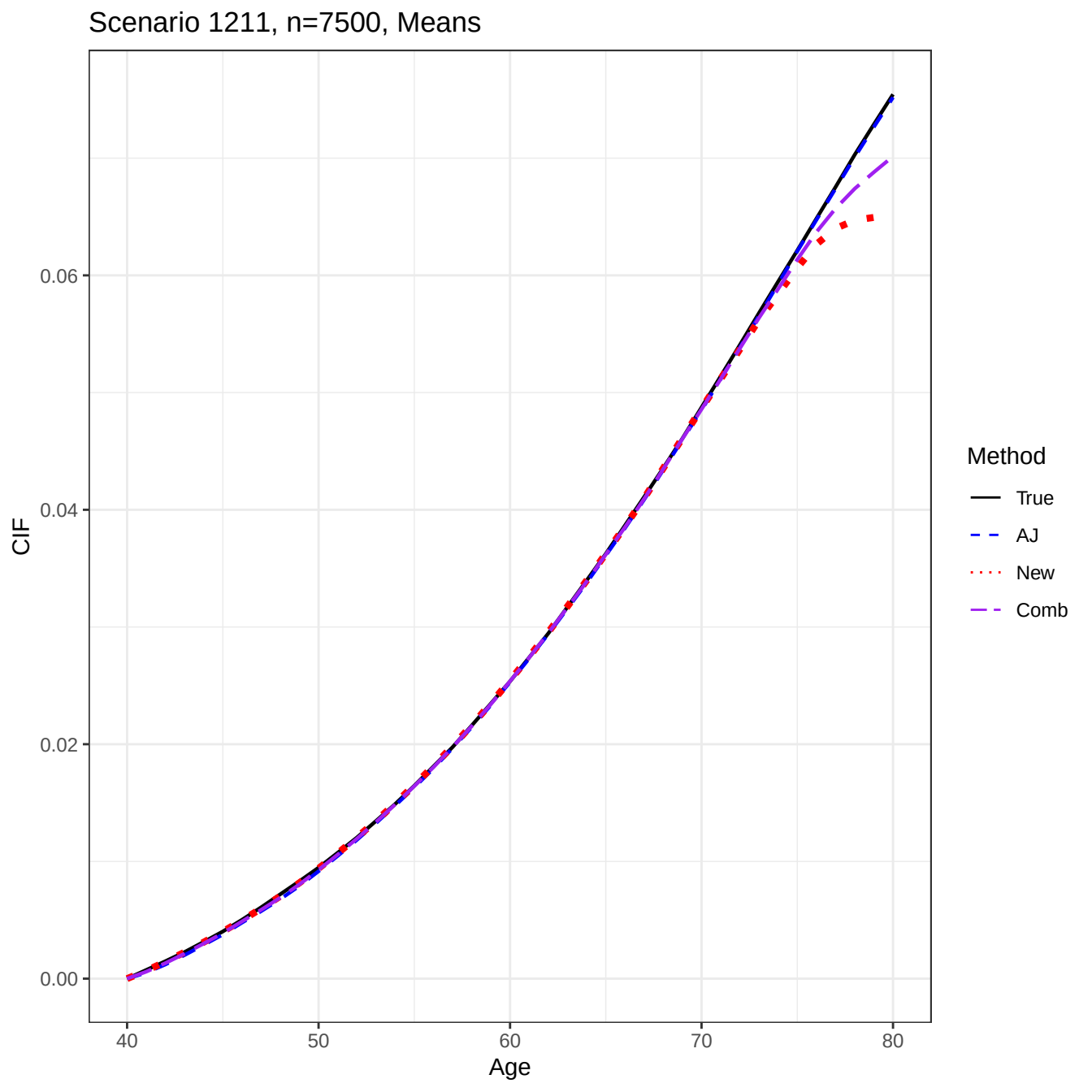
transformation: 0.5*pi − asin(sqrt(1−u))

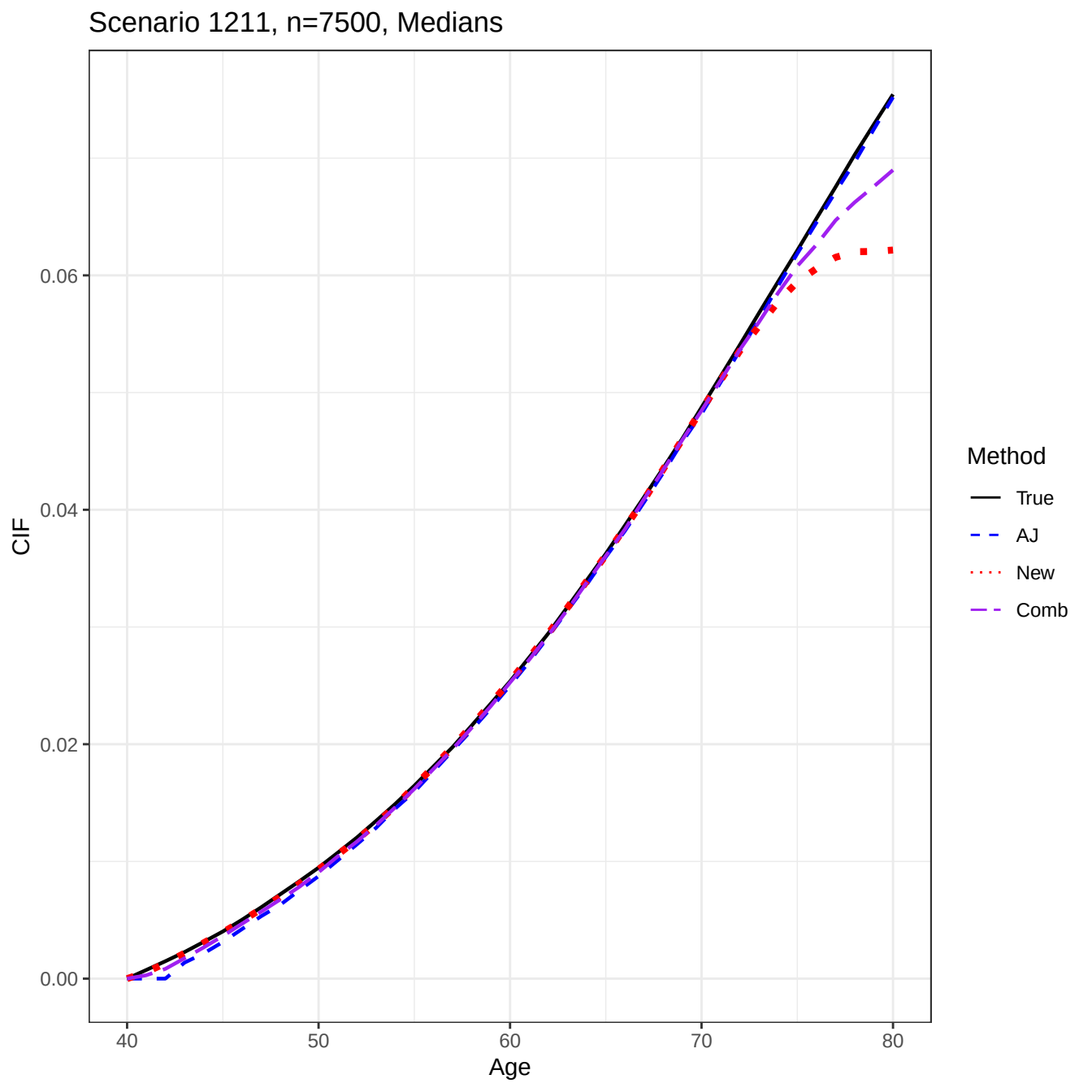
pointwise CI's done by: normal−theory

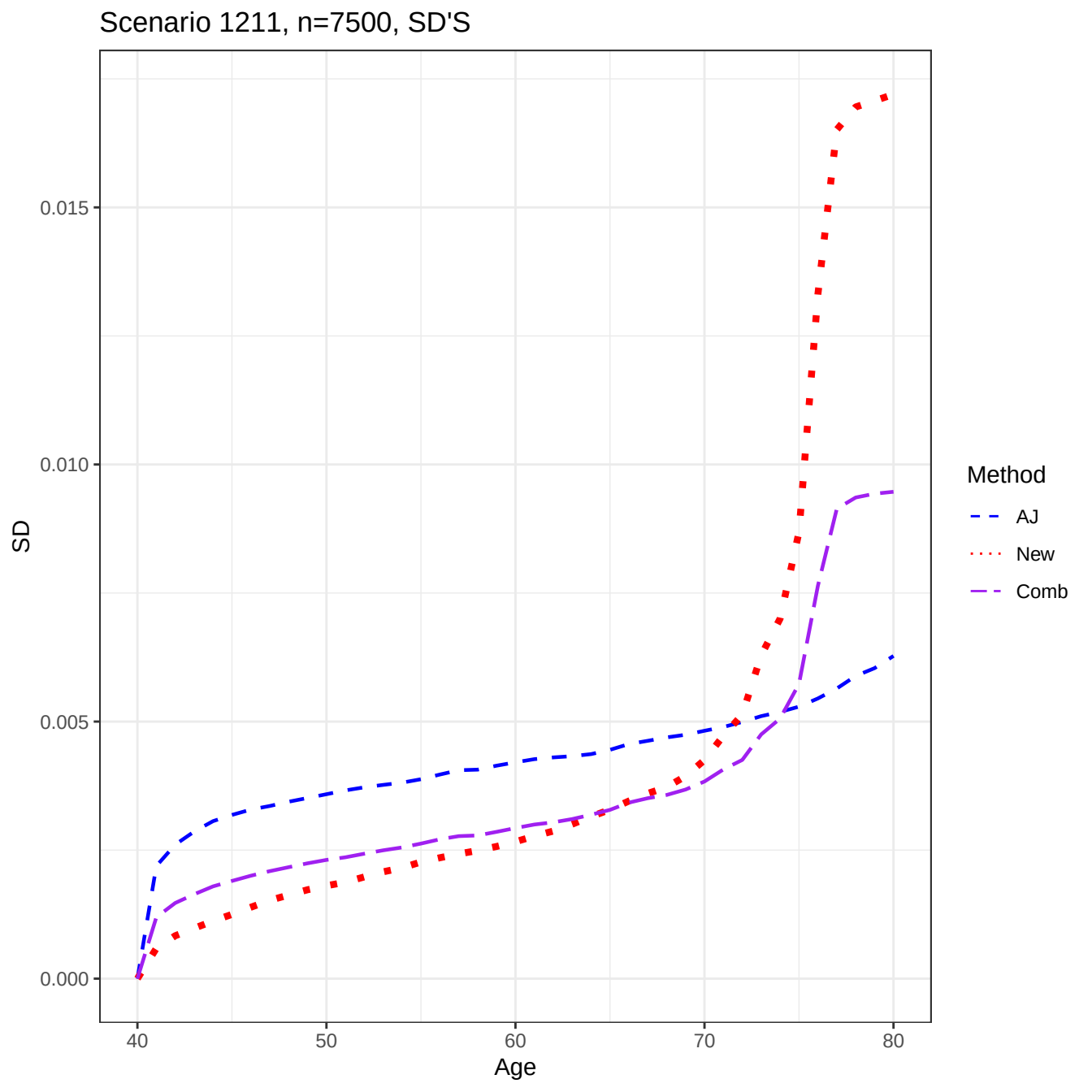
auxflg = FALSE

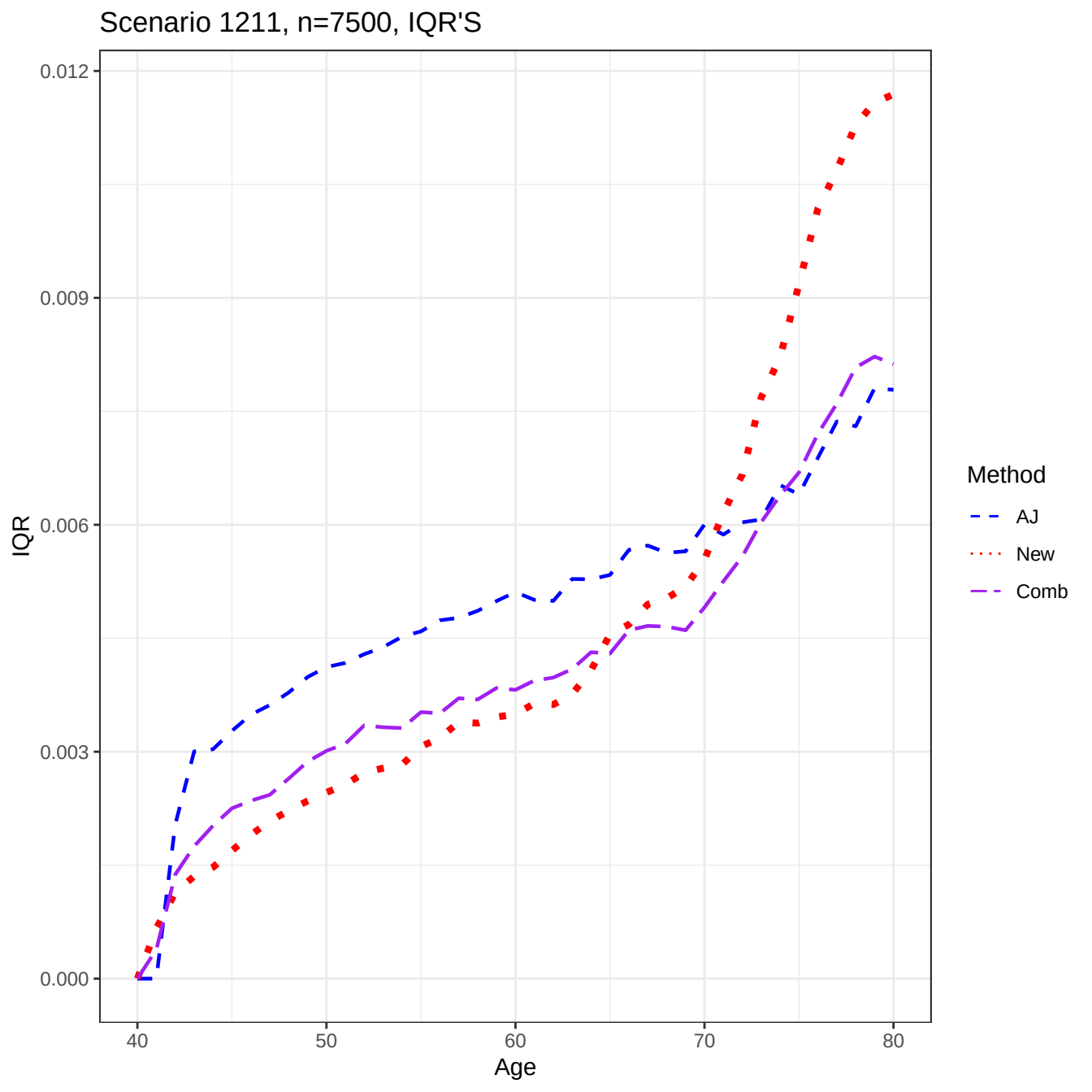
bootstrap weights: normal

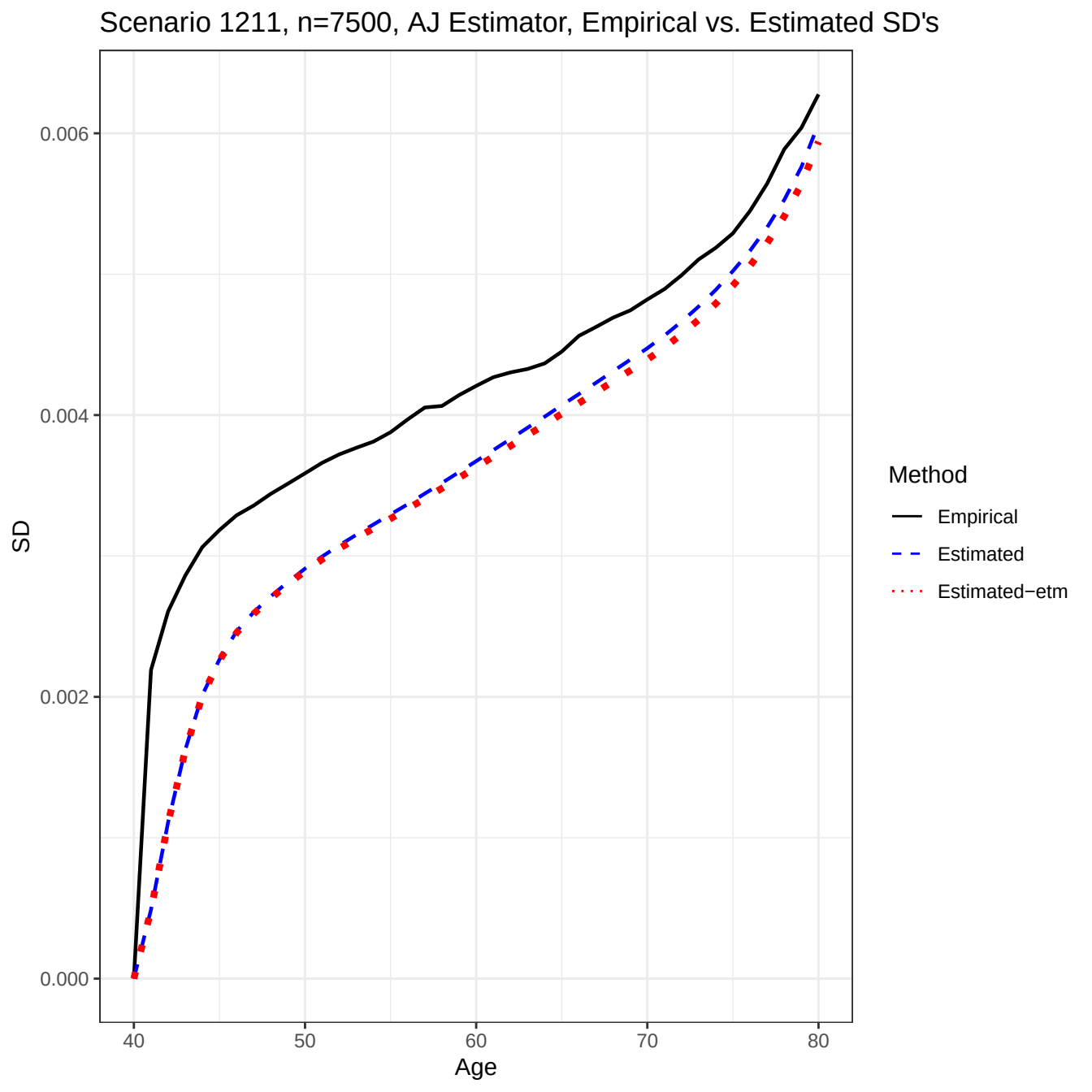
Date/Time: 2024−01−19 13:47:27.923788

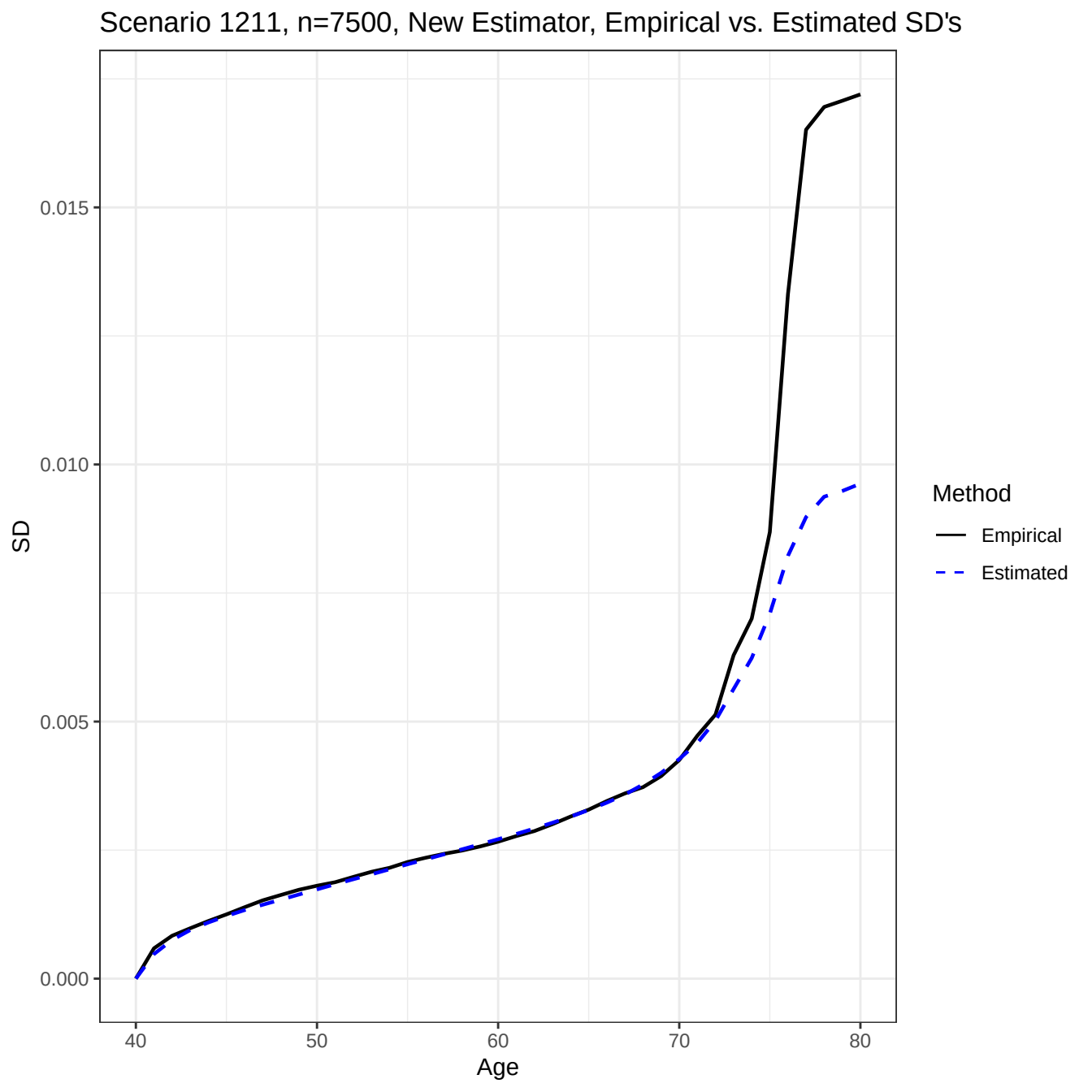

Scenario 1211, n=7500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

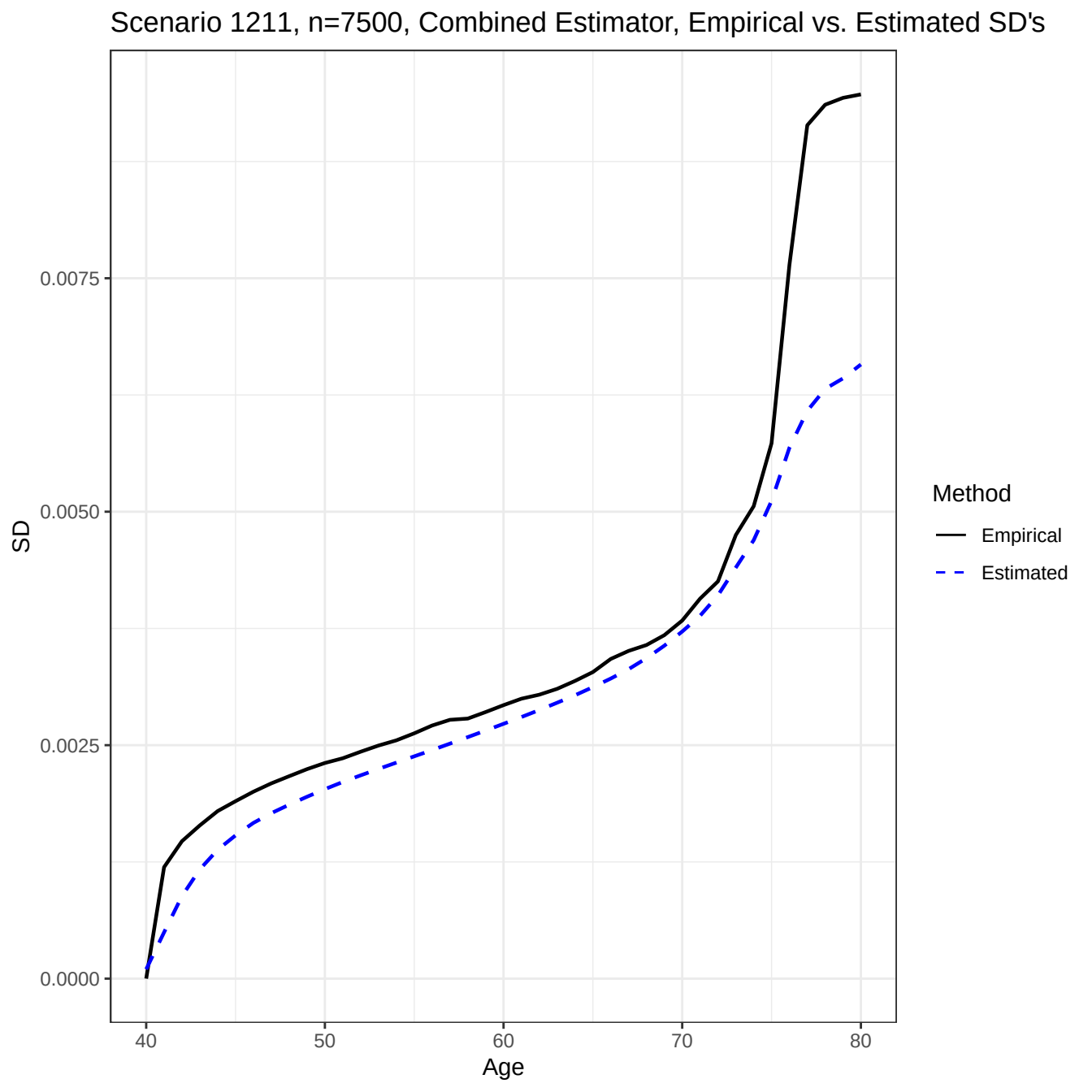

Scenario 1211, n=7500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

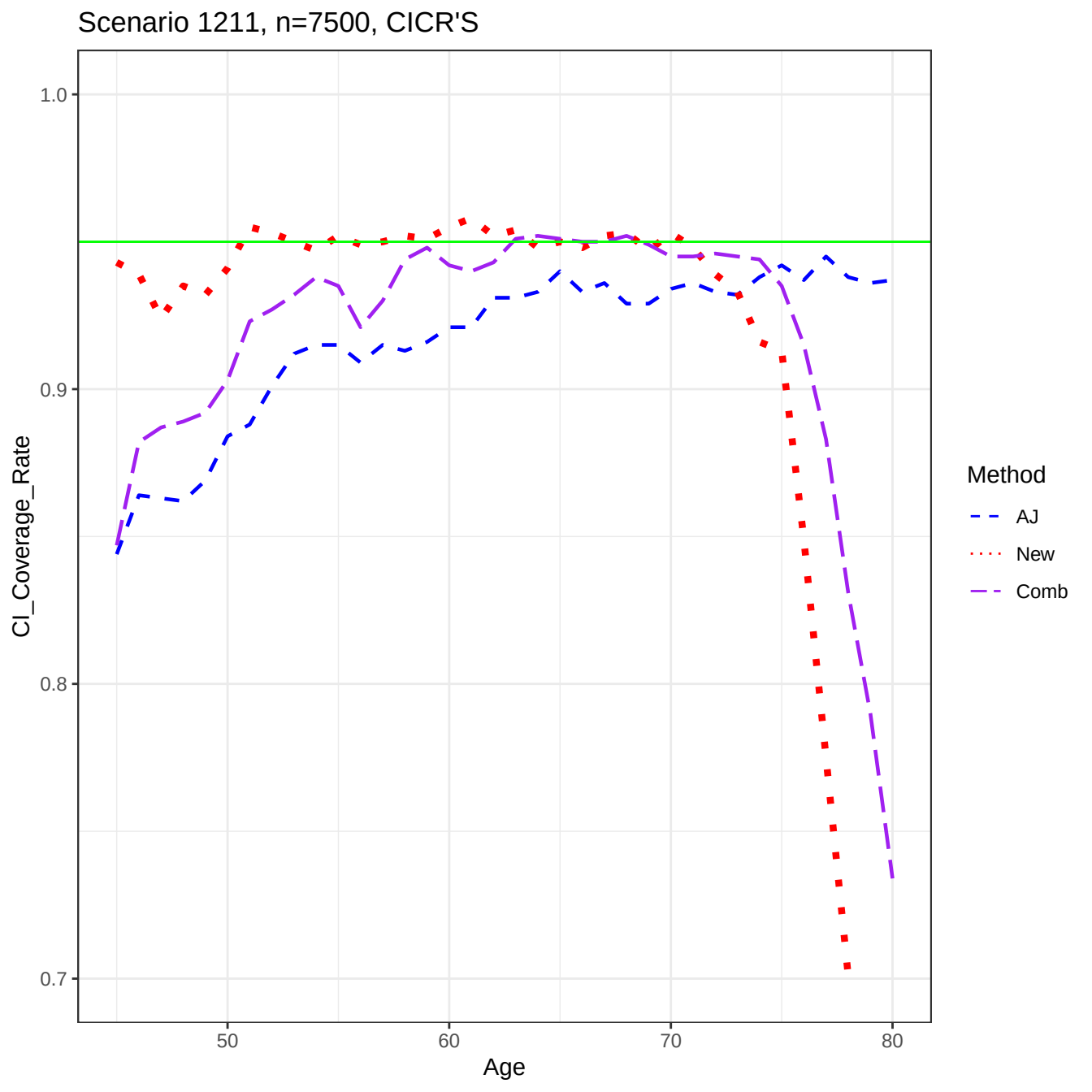

Scenario 1211, n=7500, SD'S
SD
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb

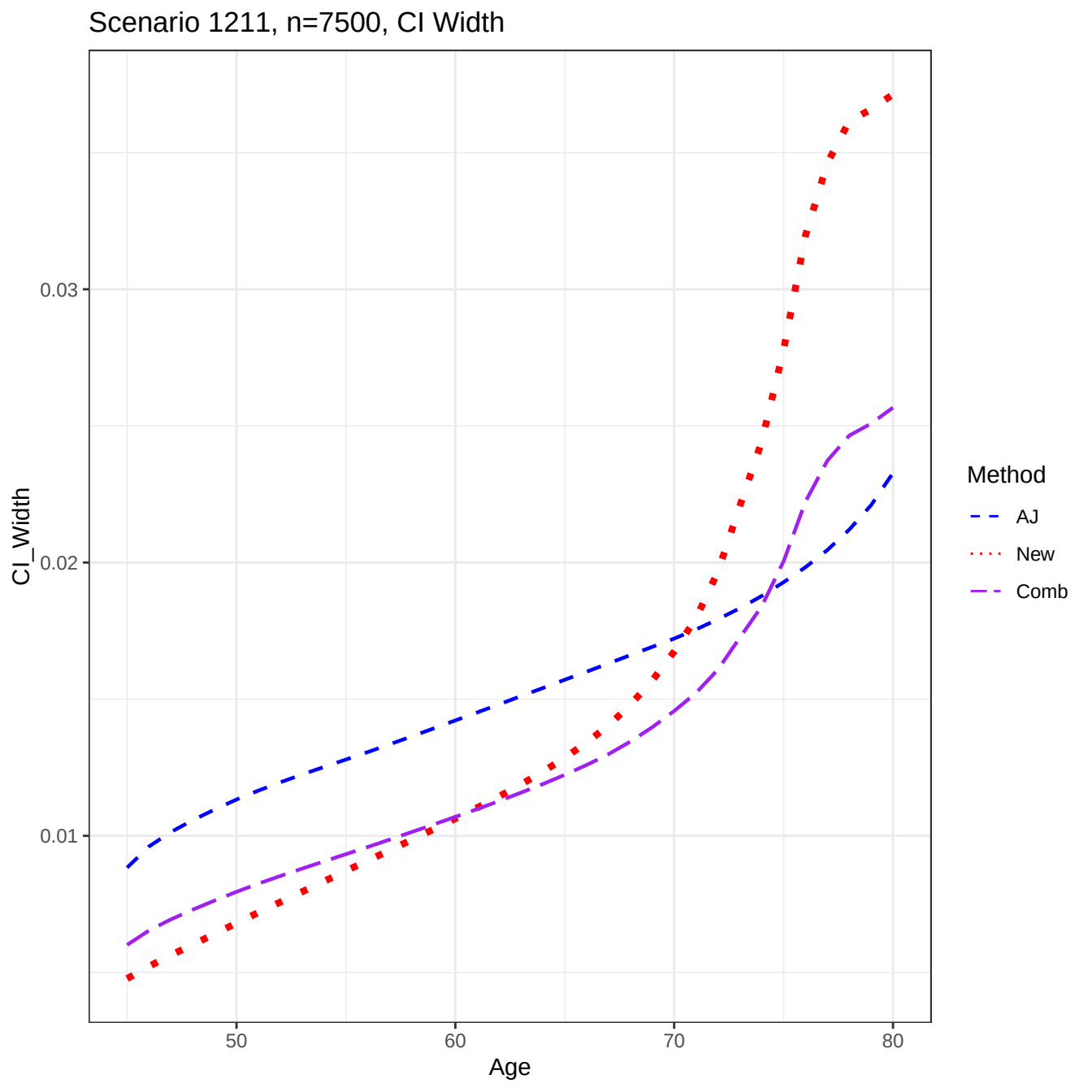

Scenario 1211, n=7500, IQR'S
0.012
0.009
0.006
0.003
0.000
IQR
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1211, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1211, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1211, n=7500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1211, n=7500, CICR'S
CI_Coverage_Rate
1.0
0.9
0.8
0.7
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1211, n=7500, CI Width
CI_Width
0.03
0.02
0.01
50
60
70
80
Age
Method
AJ
New
Comb

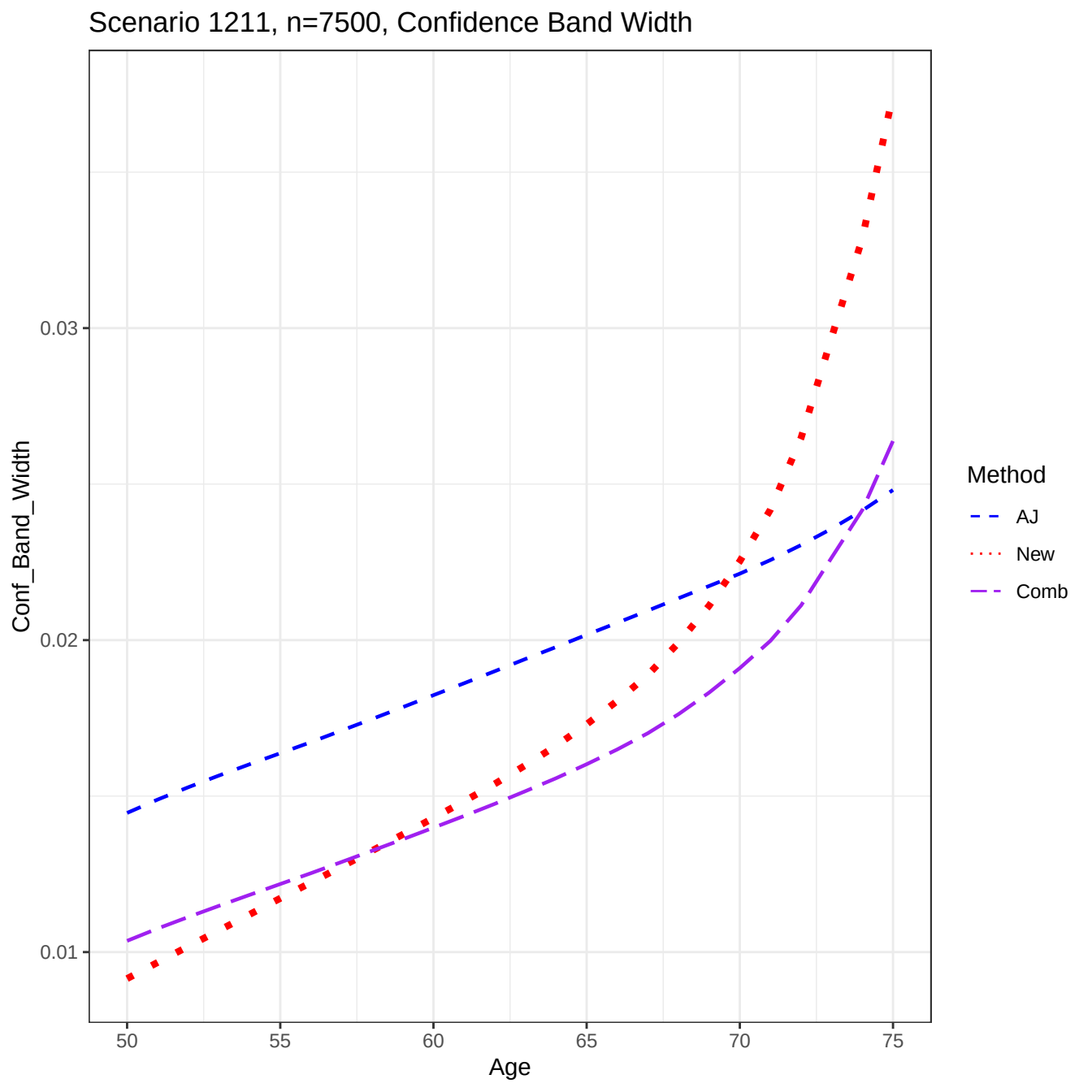
CONFIDENCE BAND COVERAGE RATES

Scenario: 1211

AJ: 0.897

new: 0.905

Combo: 0.92


Scenario 1211, n=7500, Confidence Band Width
Conf_Band_Width
0.03
0.02
0.01
50
55
60
65
70
75
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 1212

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

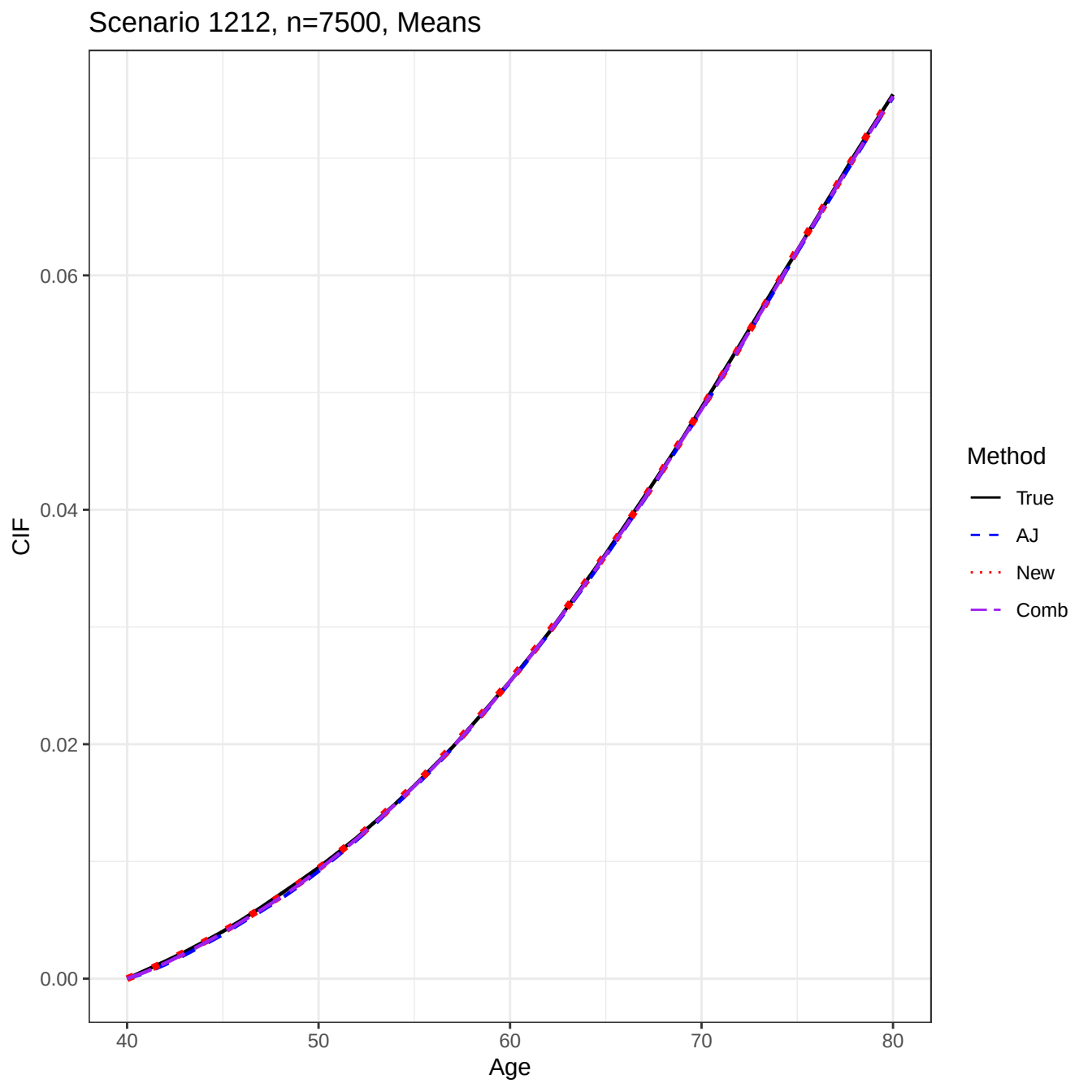
transformation: 0.5*pi − asin(sqrt(1−u))

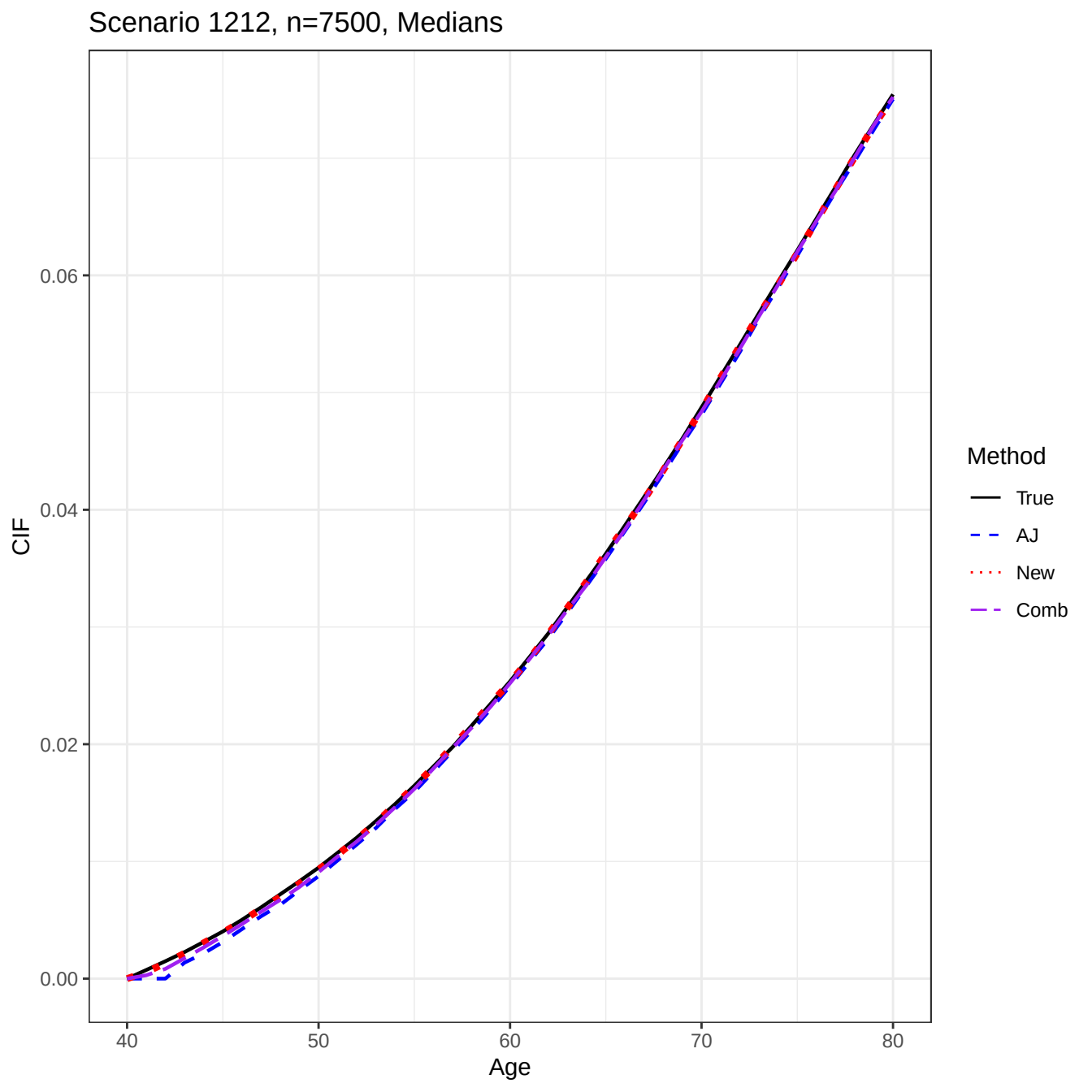
pointwise CI's done by: normal−theory

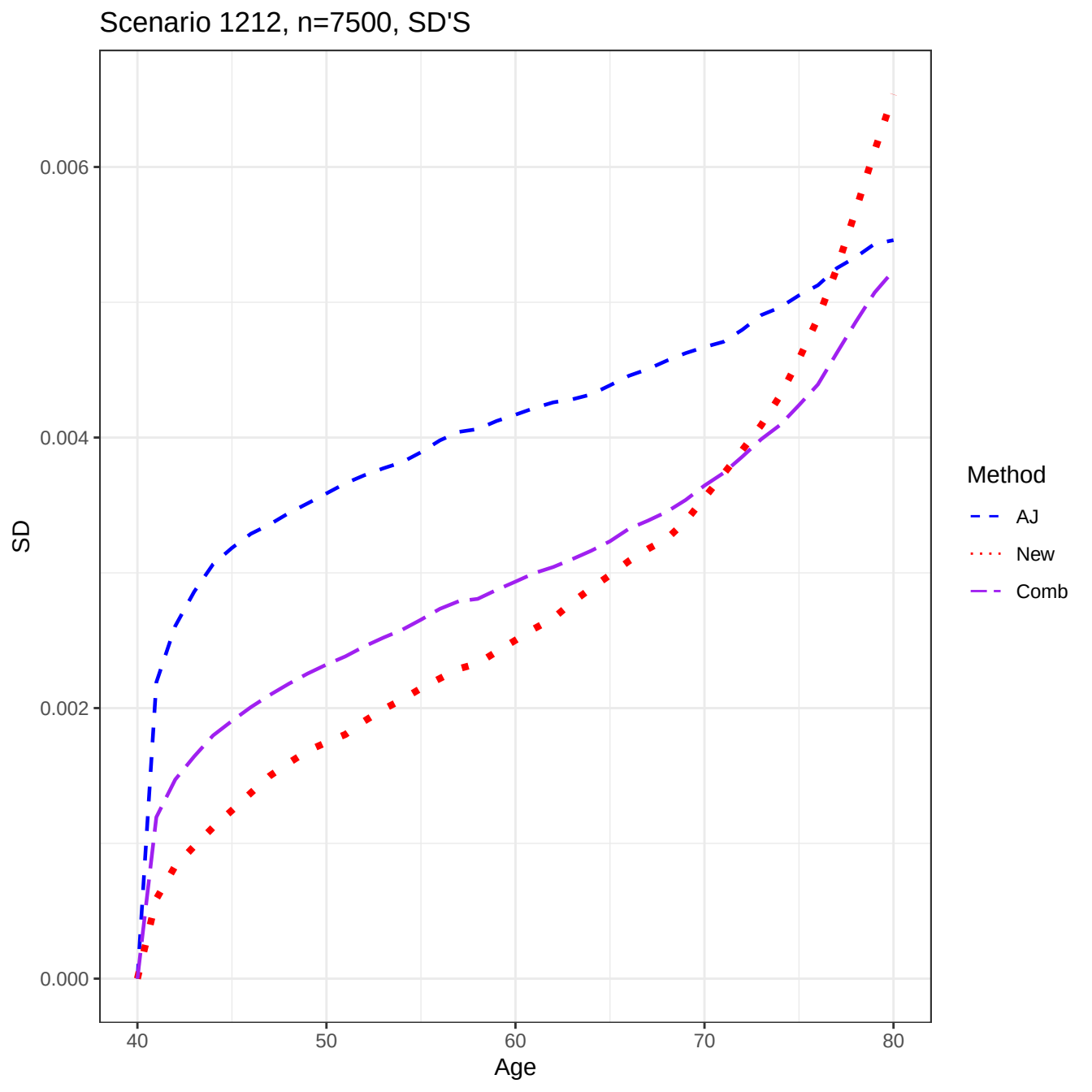
auxflg = FALSE

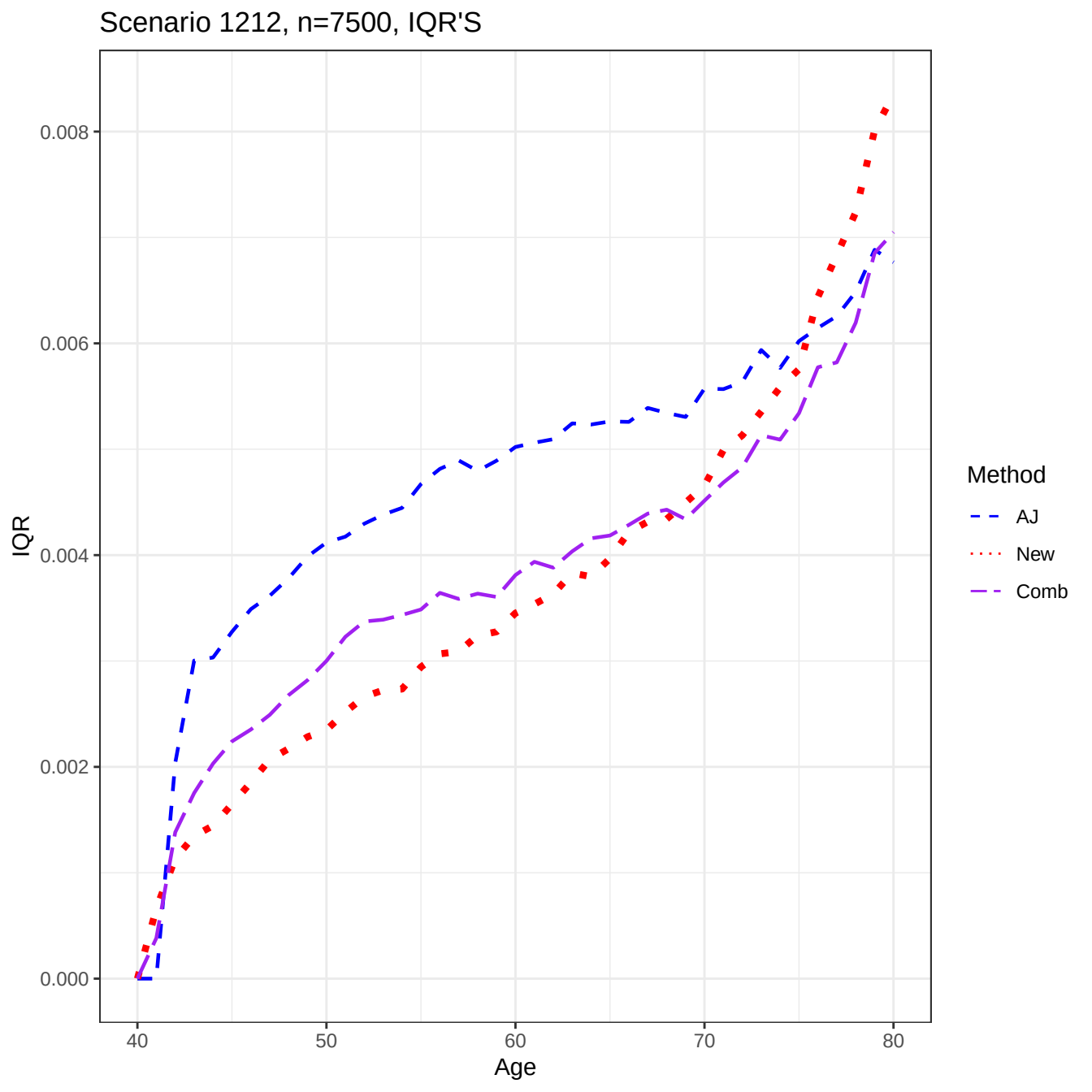
bootstrap weights: normal

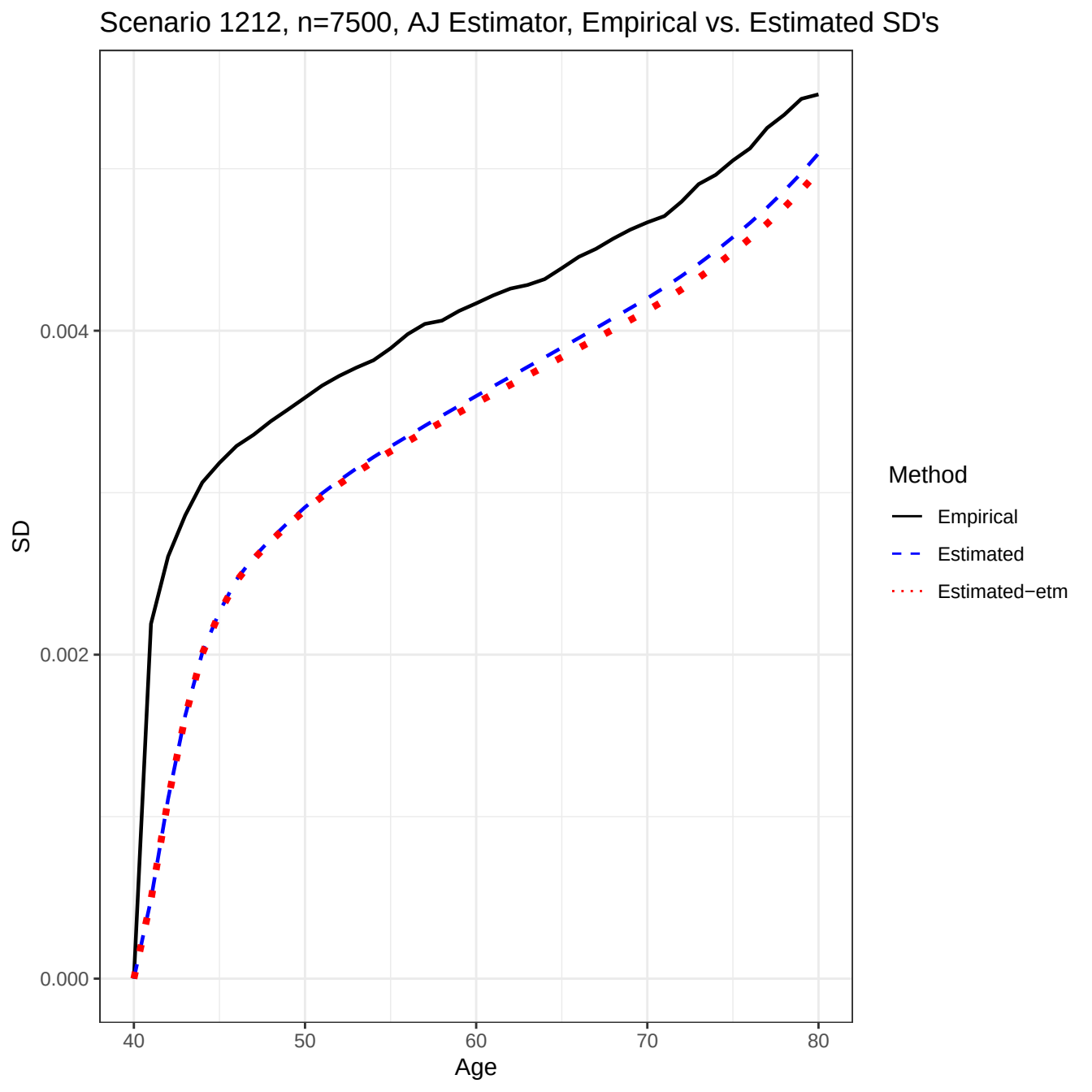
Date/Time: 2024−01−19 16:22:44.593502

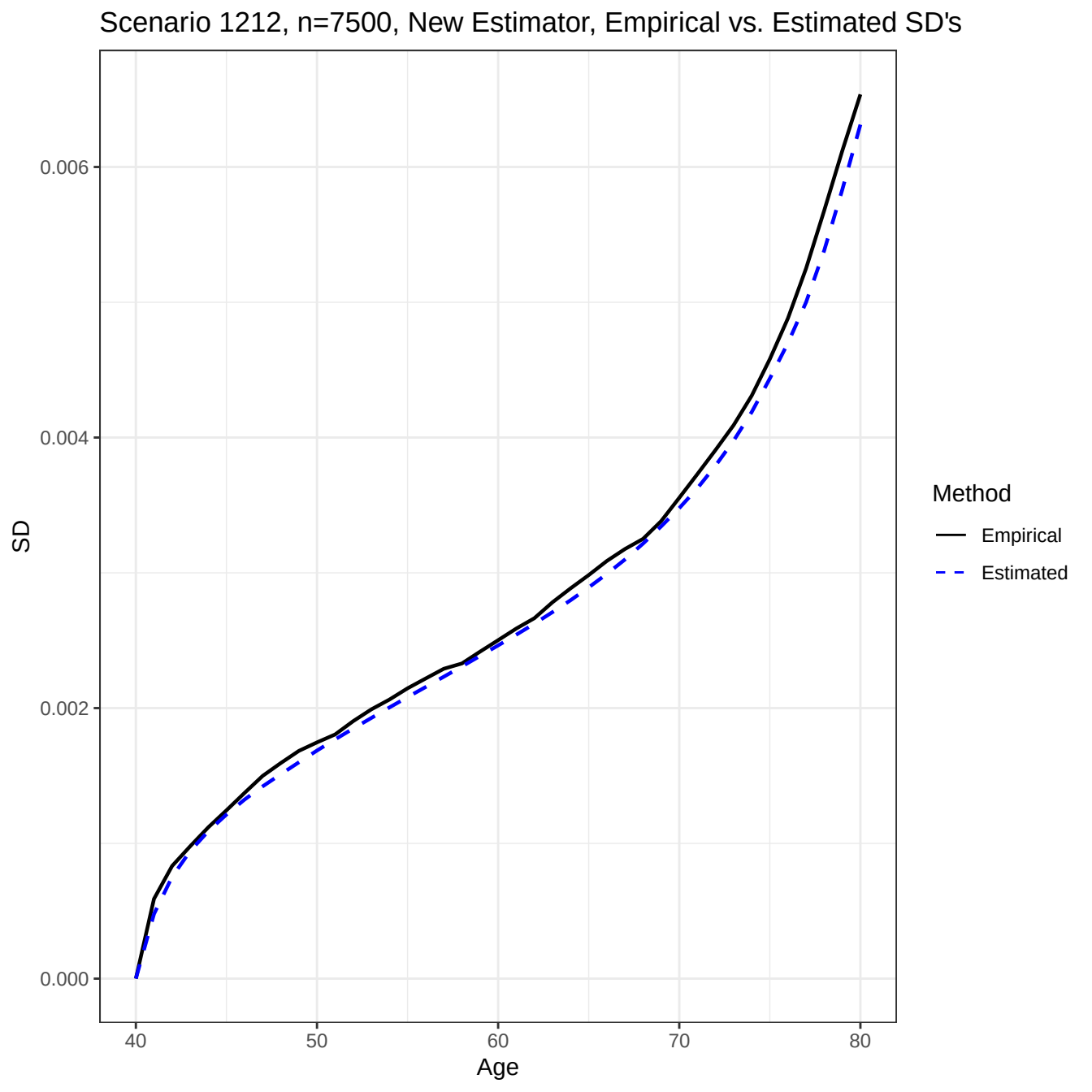

Scenario 1212, n=7500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

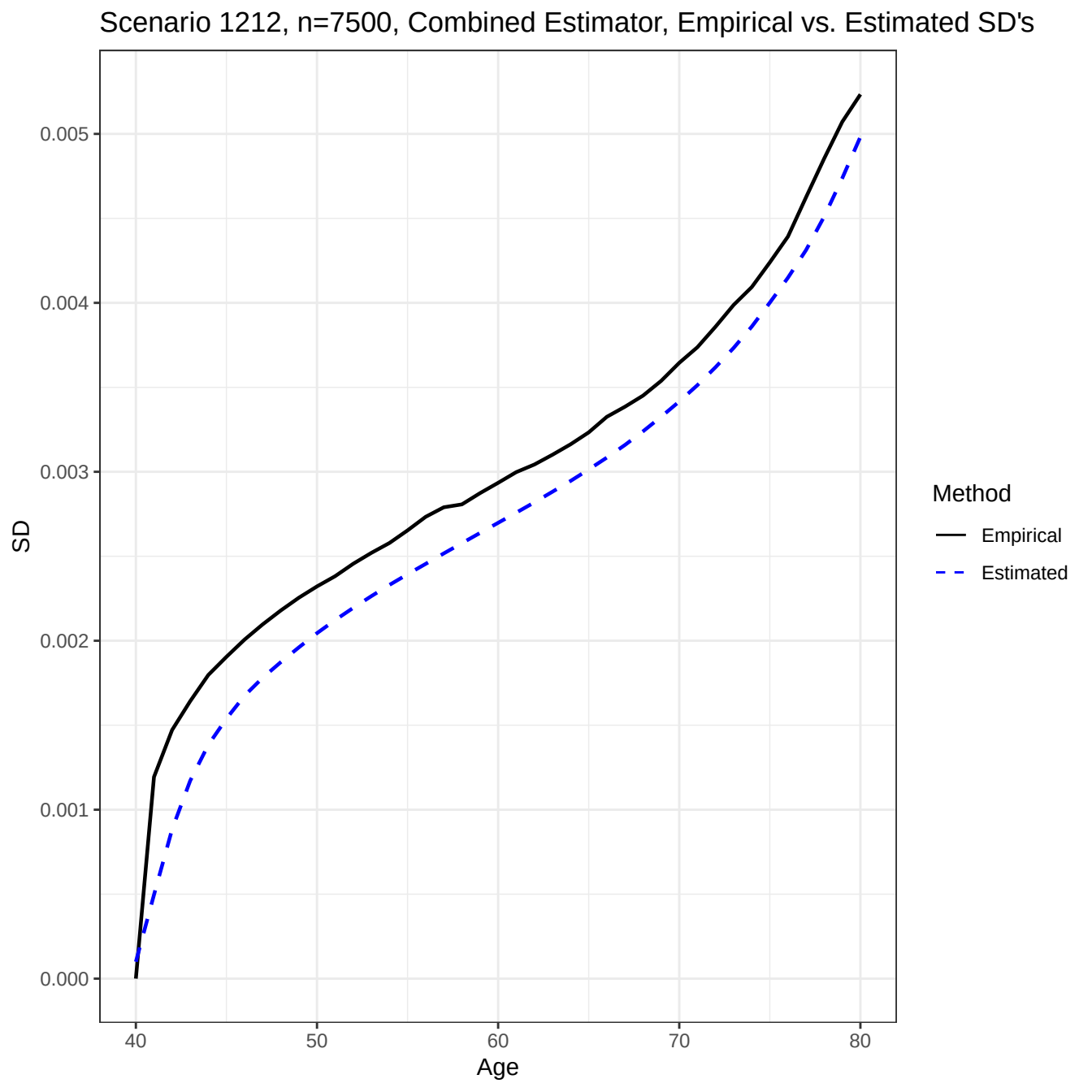

Scenario 1212, n=7500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

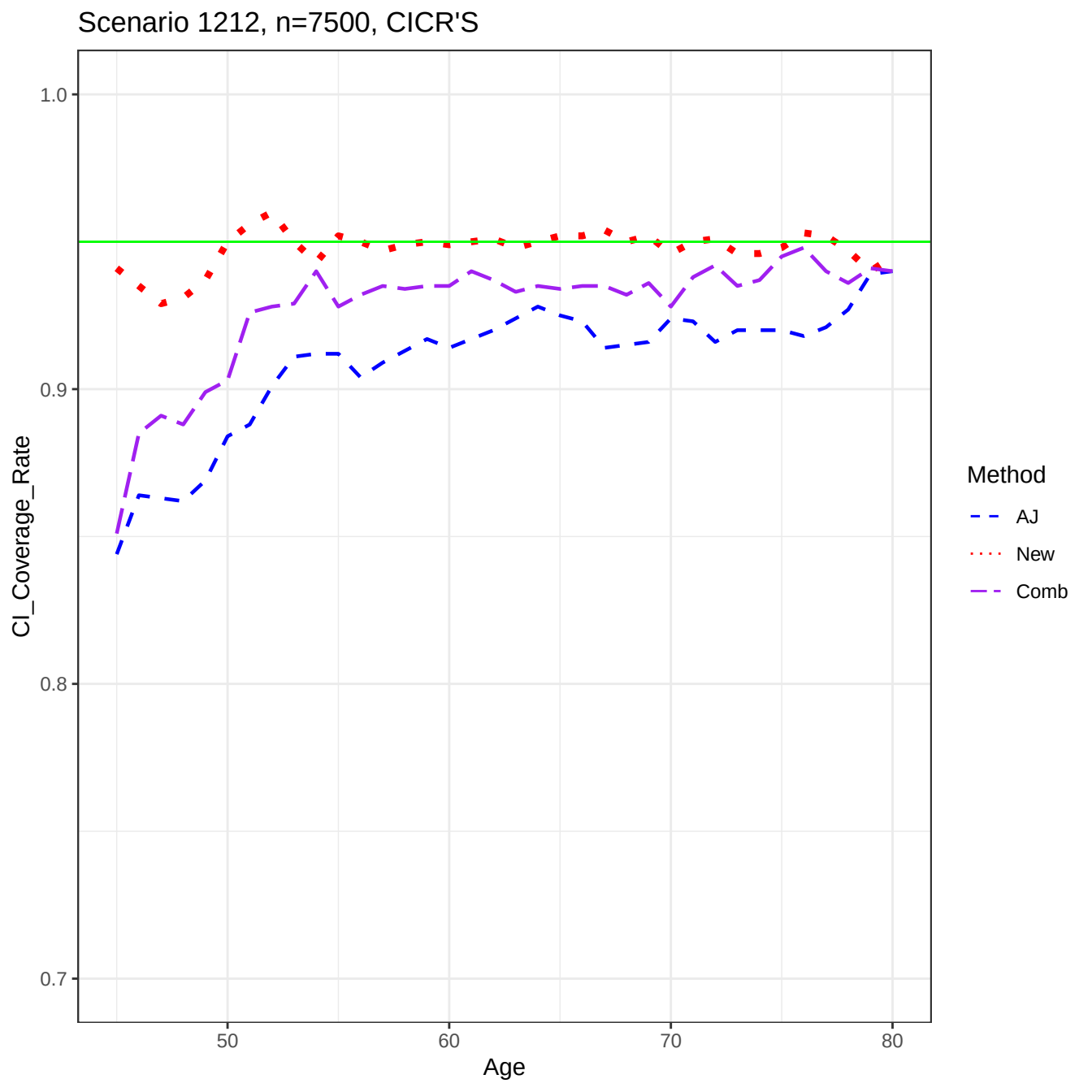

Scenario 1212, n=7500, SD'S
0.006
0.004
0.002
0.000
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

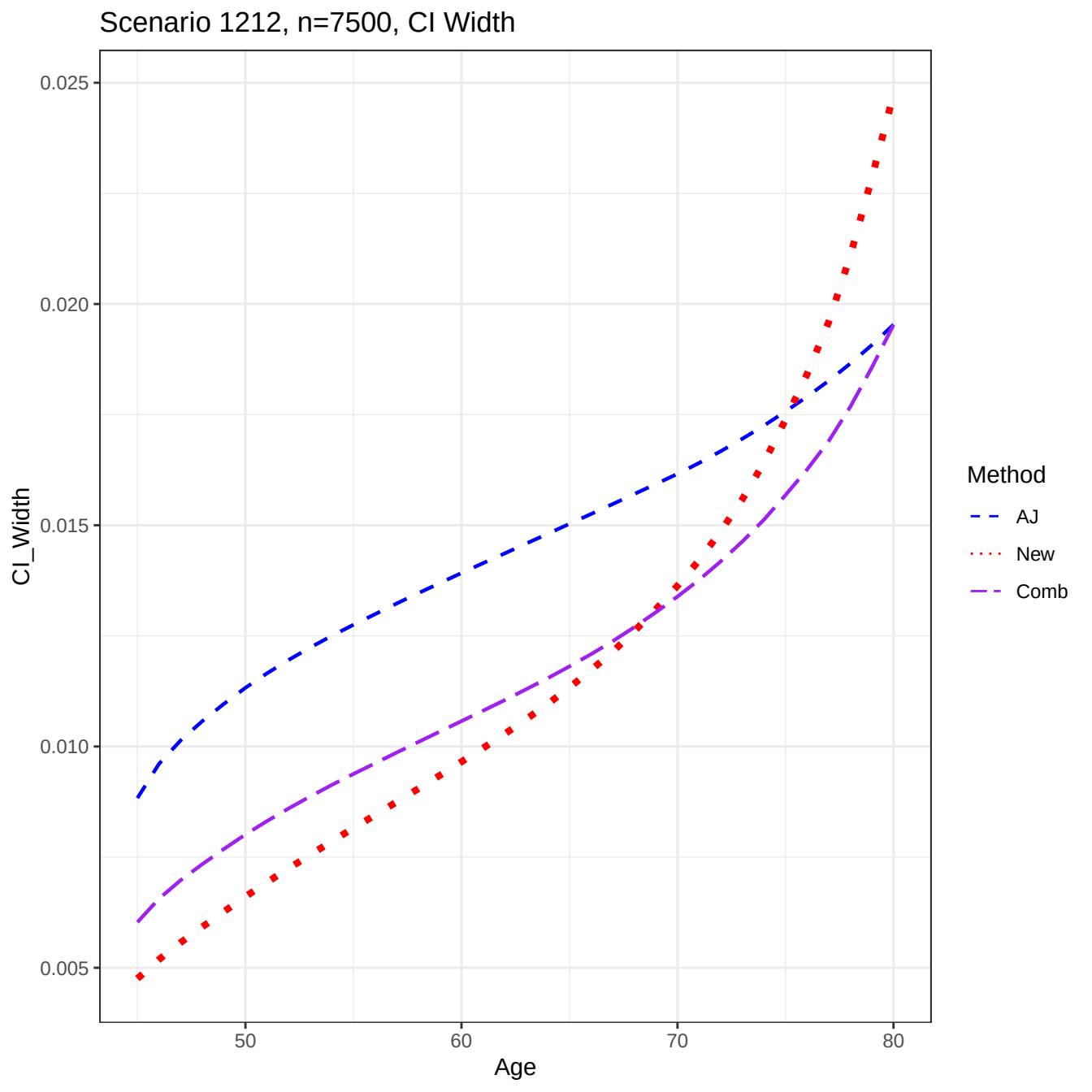

Scenario 1212, n=7500, IQR'S
IQR
0.000
0.002
0.004
0.006
0.008
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1212, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.000
0.002
0.004
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1212, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1212, n=7500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.005
0.004
0.003
0.002
0.001
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1212, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1212, n=7500, CI Width
0.025
0.020
0.015
0.010
0.005
CI_Width
50
60
70
80
Age
Method
AJ
New
Comb

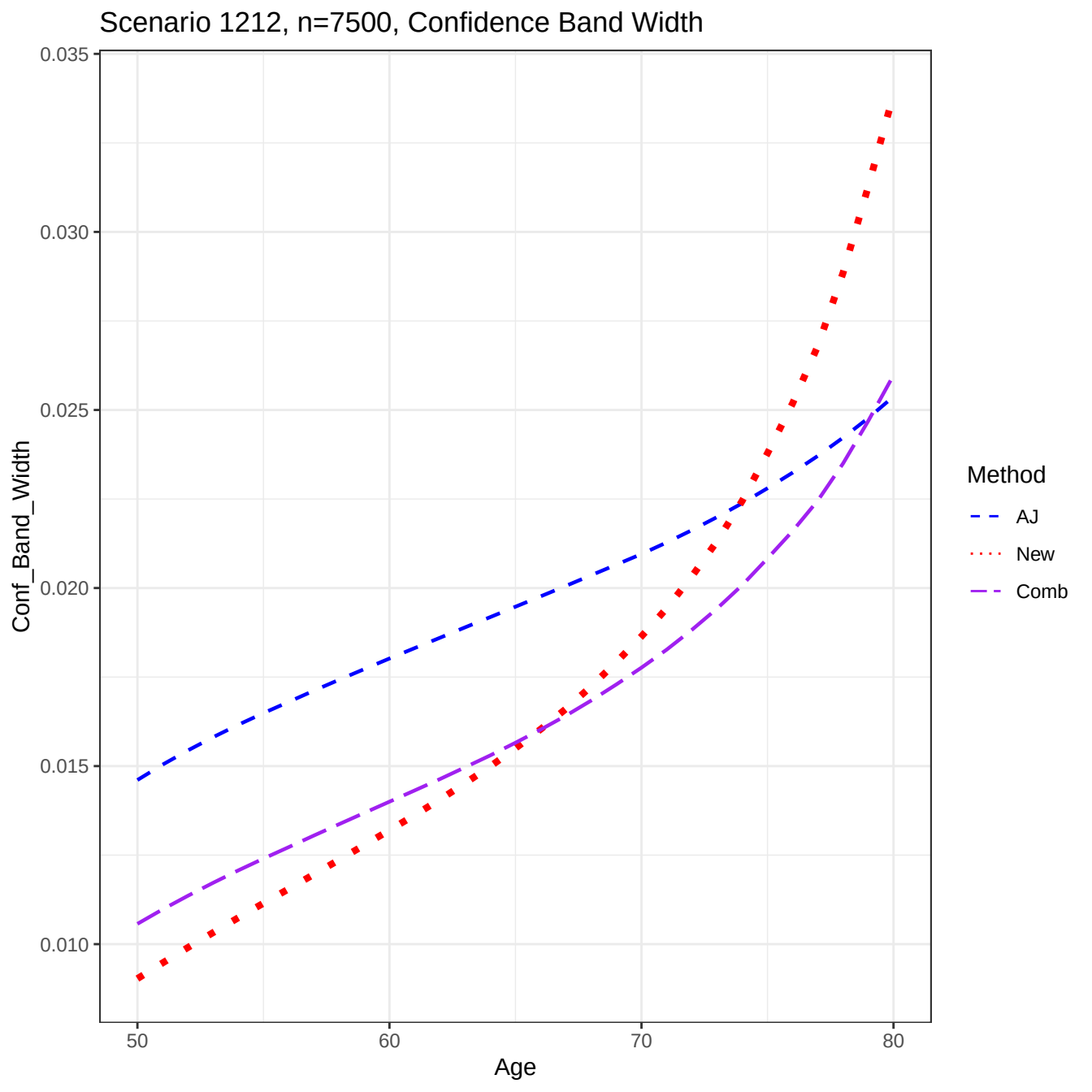
CONFIDENCE BAND COVERAGE RATES

Scenario: 1212

AJ: 0.895

new: 0.941

Combo: 0.927


Scenario 1212, n=7500, Confidence Band Width
Conf_Band_Width
0.035
0.030
0.025
0.020
0.015
0.010
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 1221

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

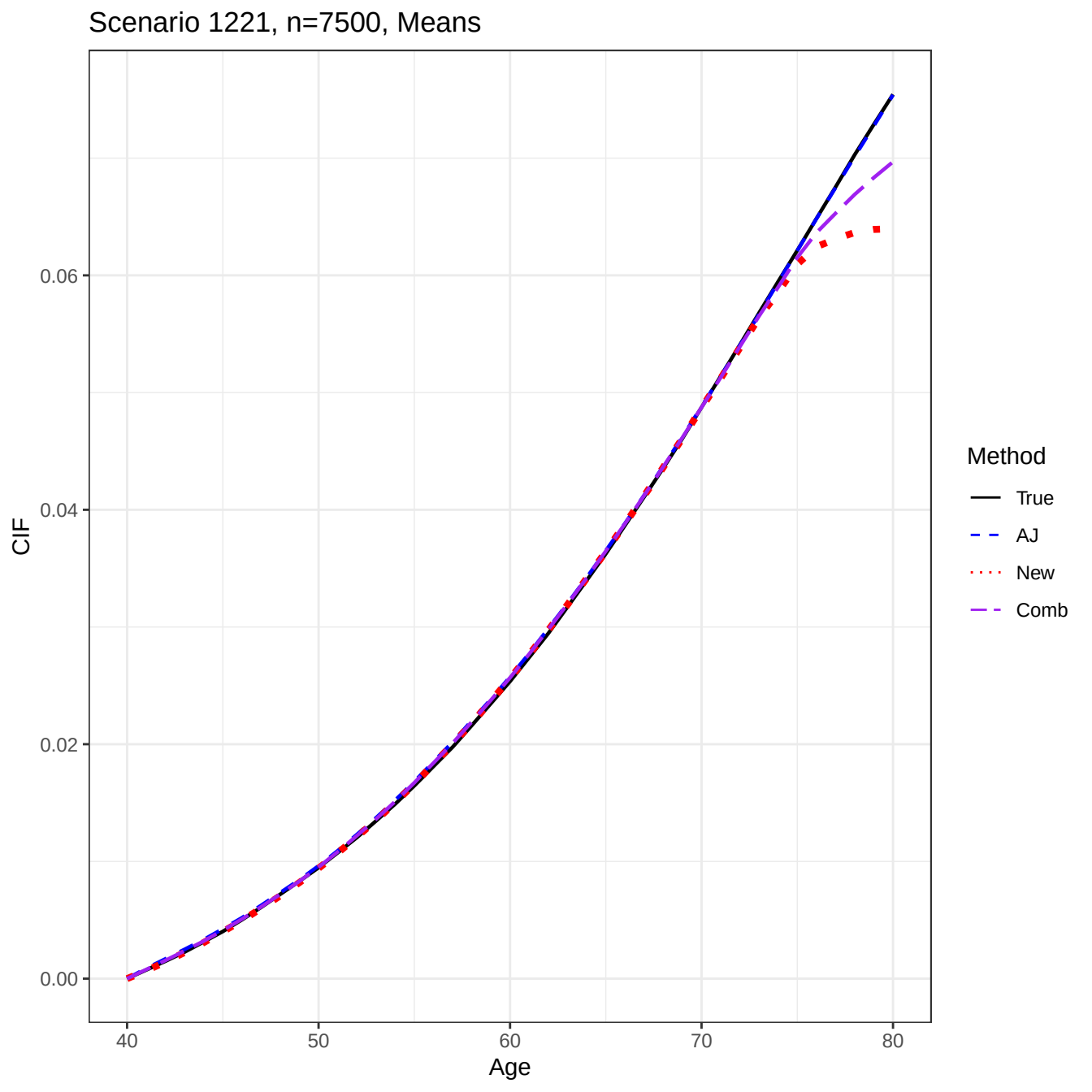
transformation: 0.5*pi − asin(sqrt(1−u))

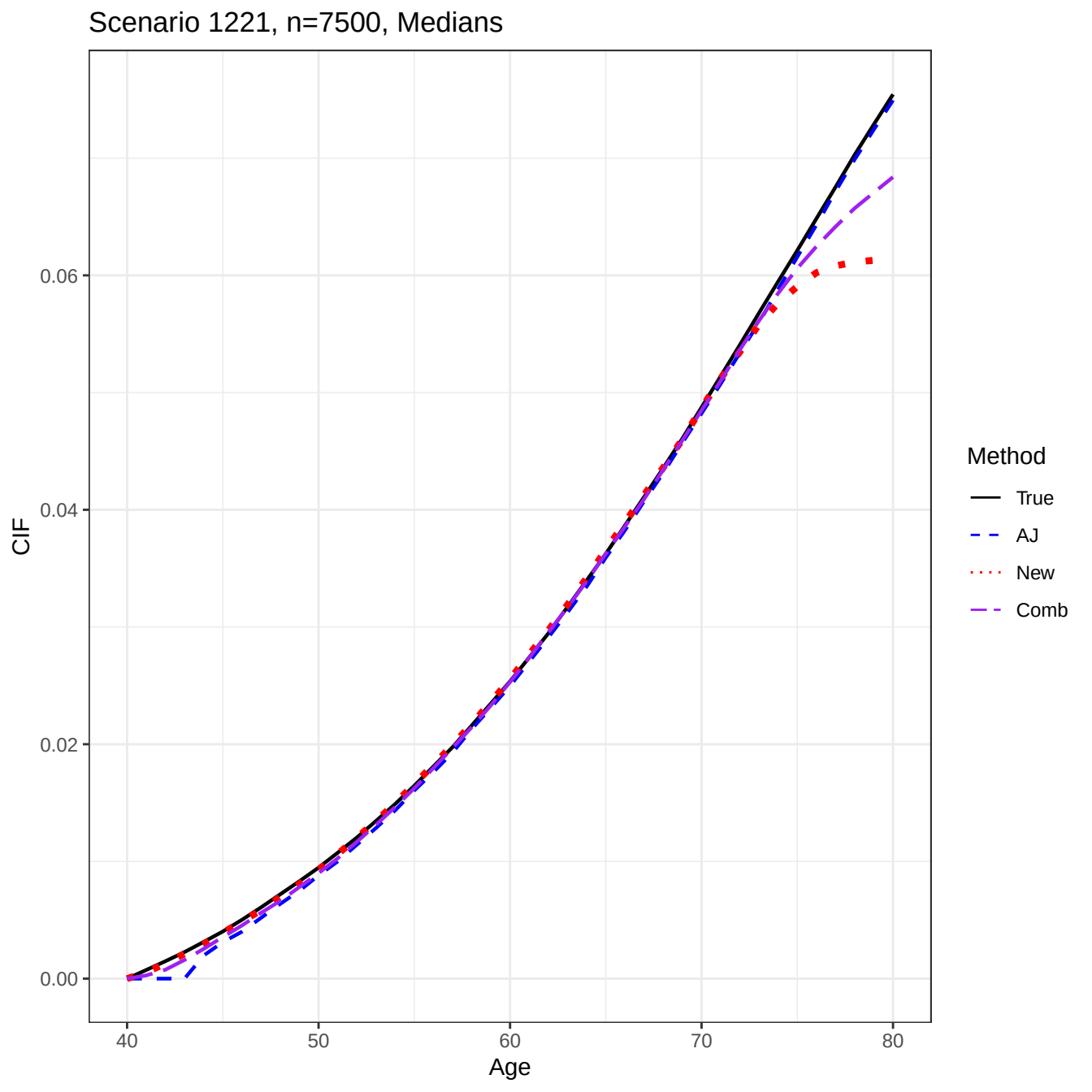
pointwise CI's done by: normal−theory

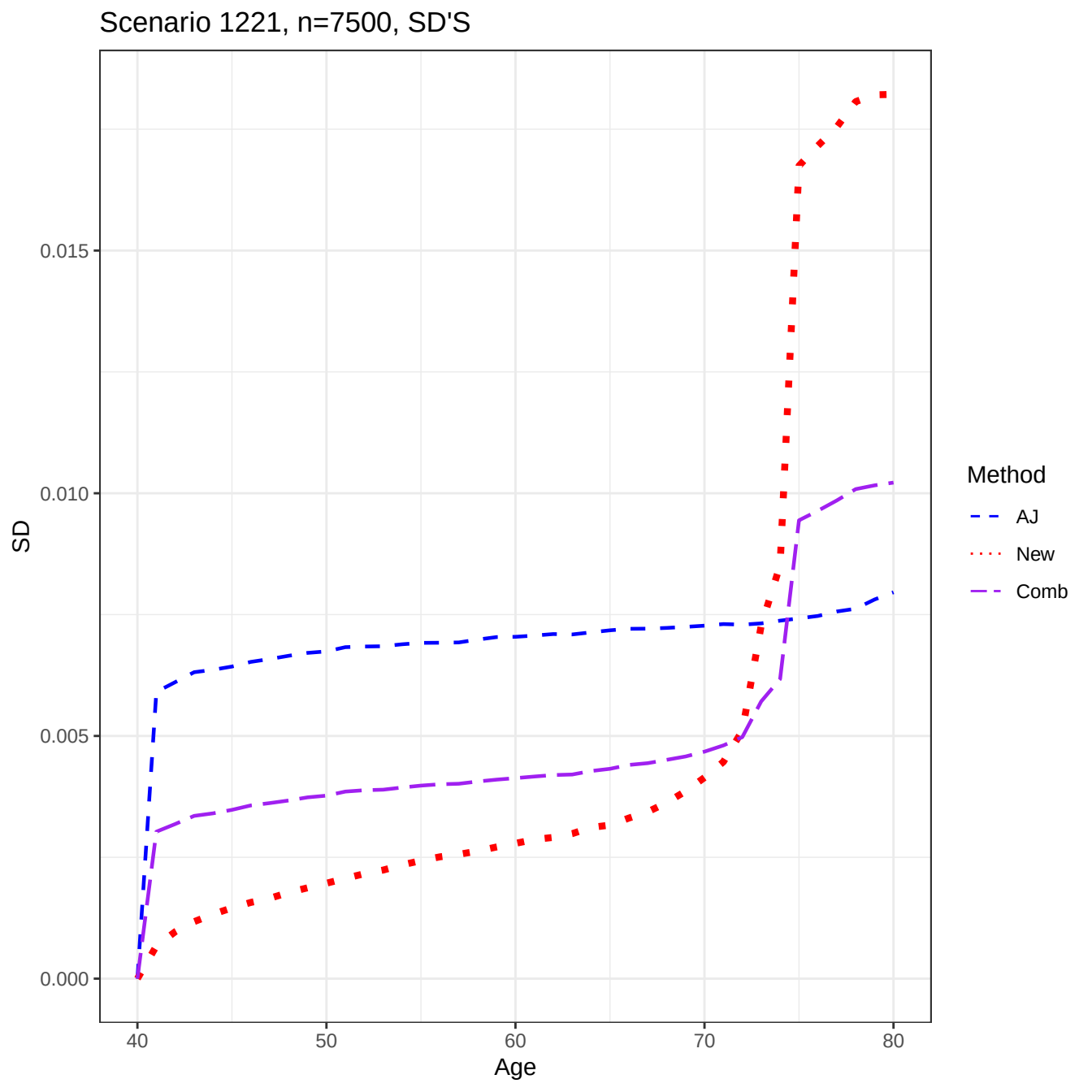
auxflg = FALSE

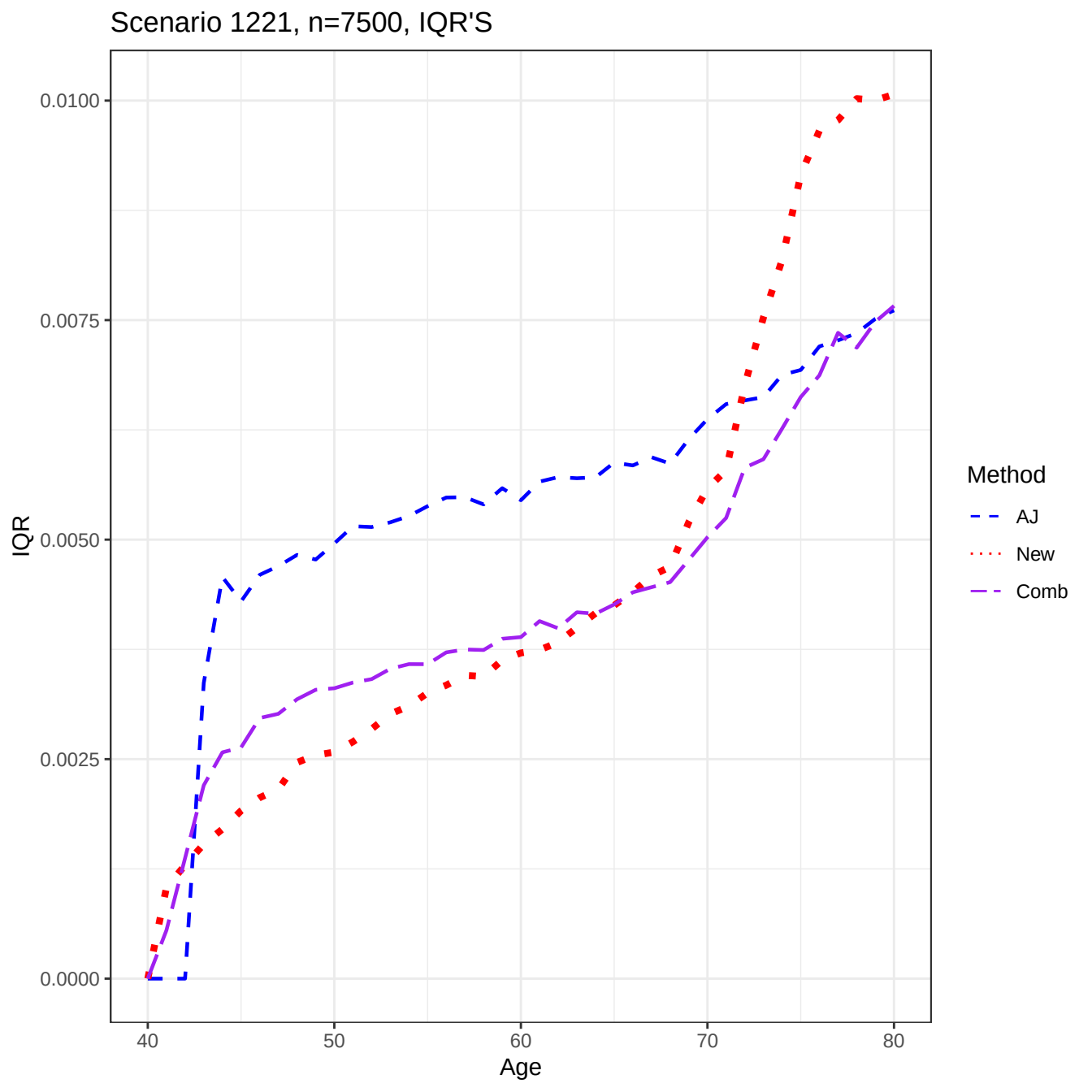
bootstrap weights: normal

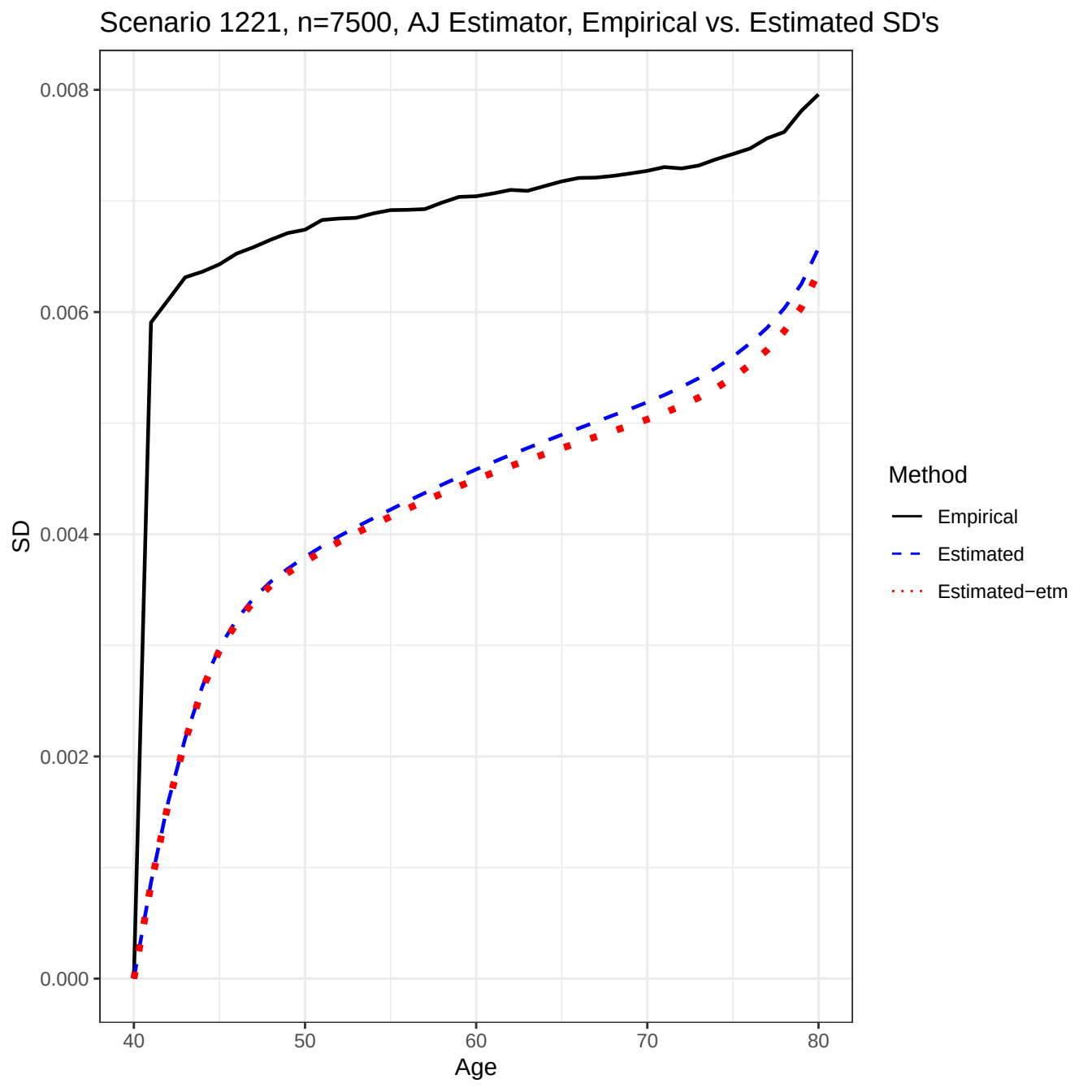
Date/Time: 2024−01−21 00:02:32.244163

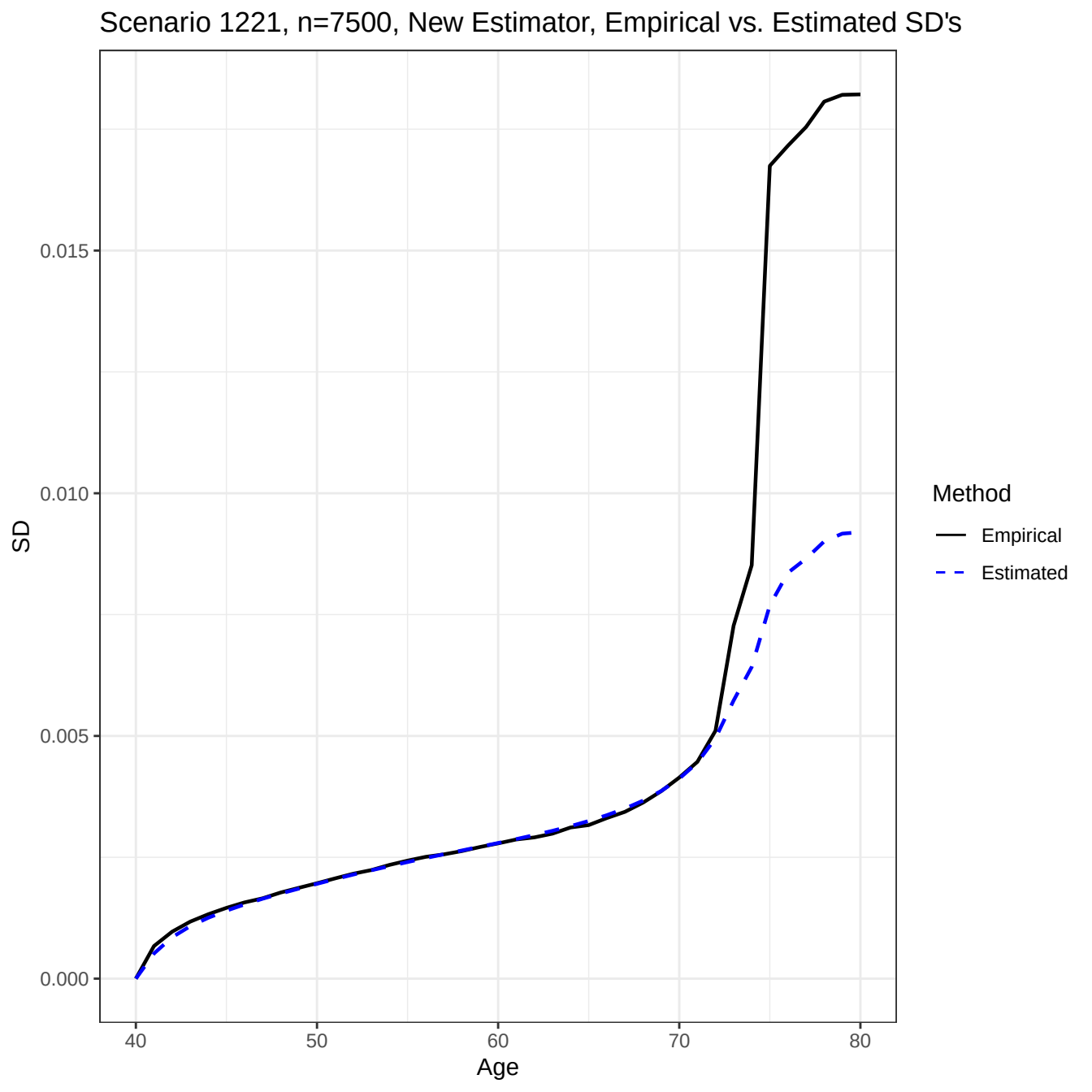

Scenario 1221, n=7500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

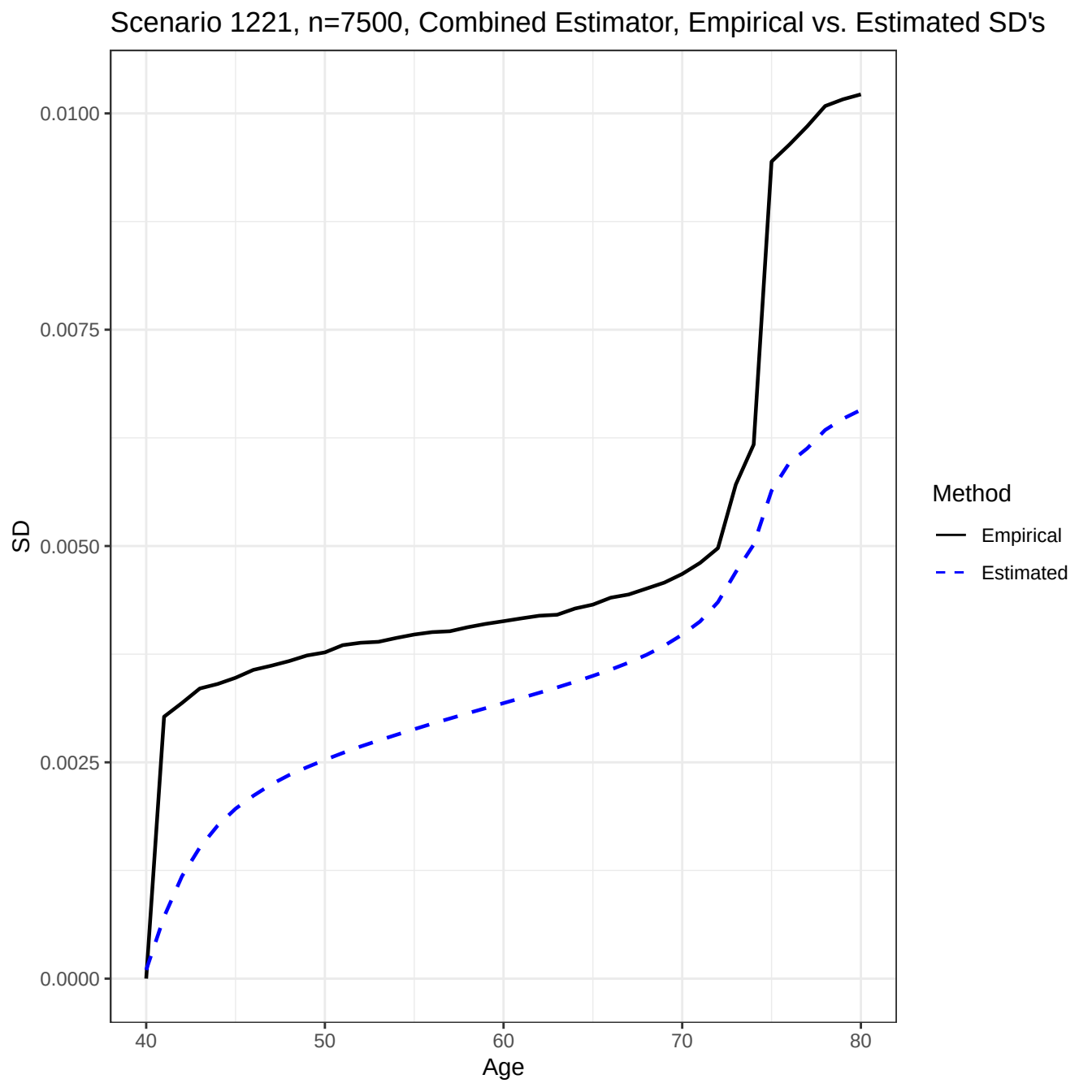

Scenario 1221, n=7500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

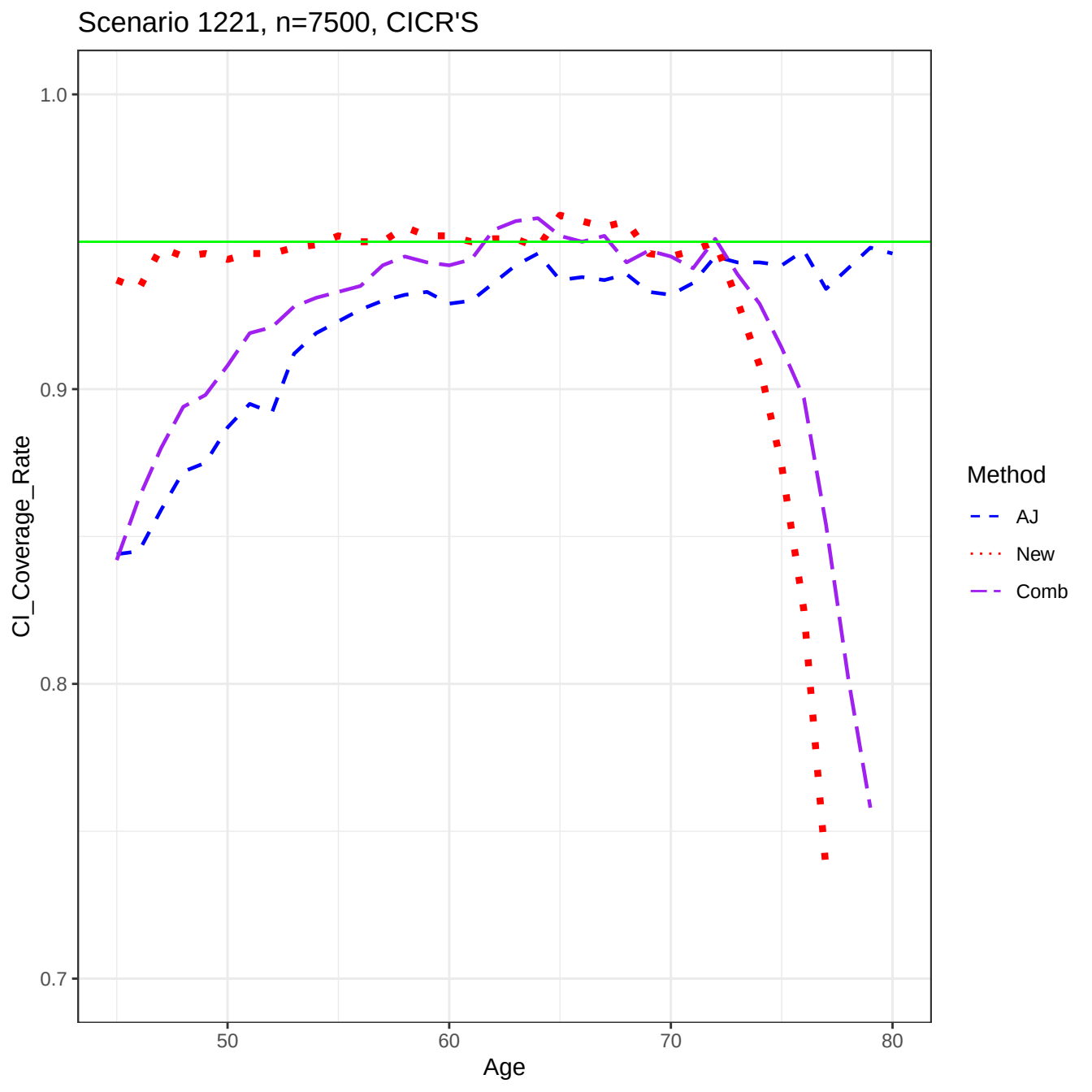

Scenario 1221, n=7500, SD'S
SD
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb

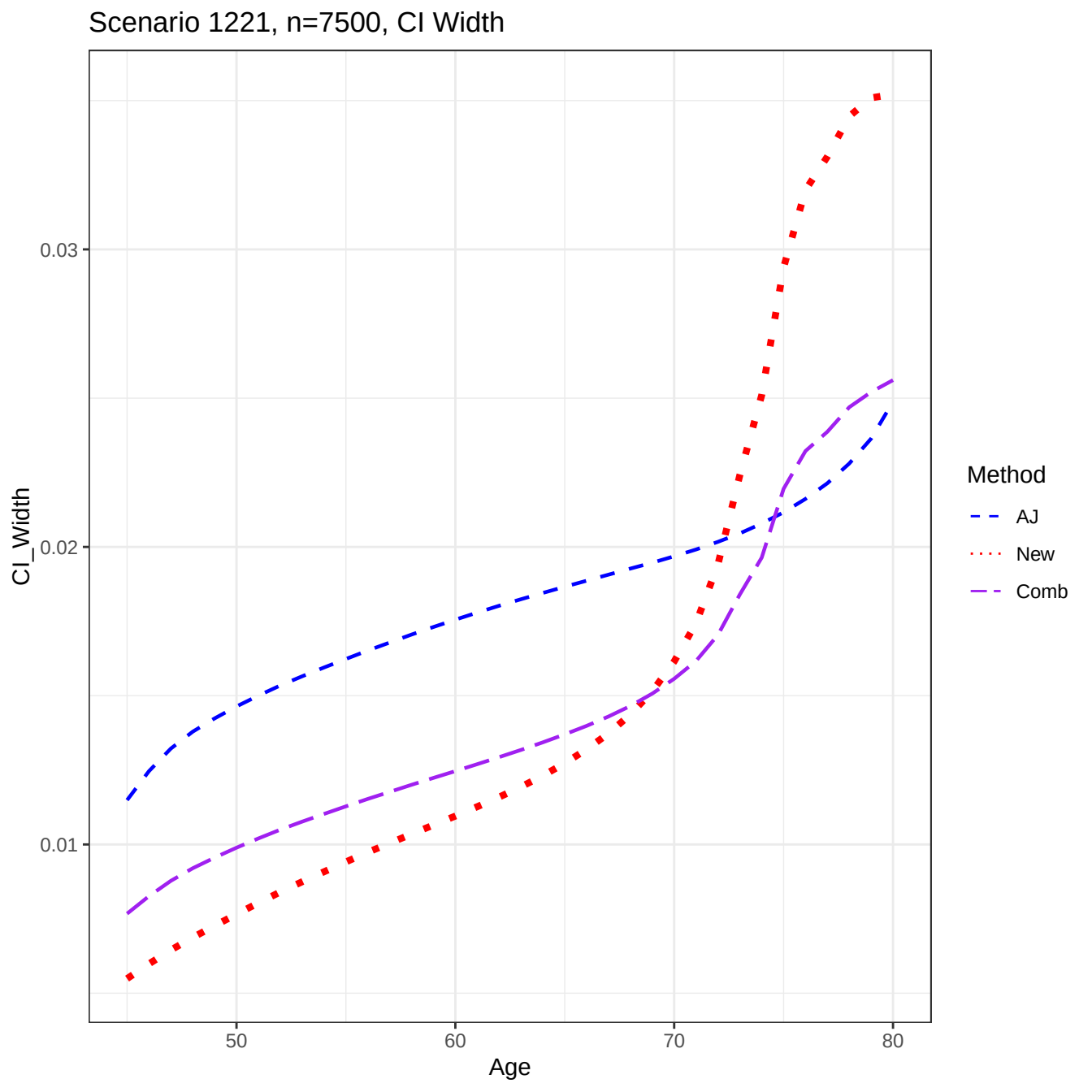

Scenario 1221, n=7500, IQR'S
IQR
0.0100
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1221, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.008
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1221, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1221, n=7500, Combined Estimator, Empirical vs. Estimated SD's
0.0100
0.0075
0.0050
0.0025
0.0000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1221, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1221, n=7500, CI Width
CI_Width
0.03
0.02
0.01
50
60
70
80
Age
Method
AJ
New
Comb

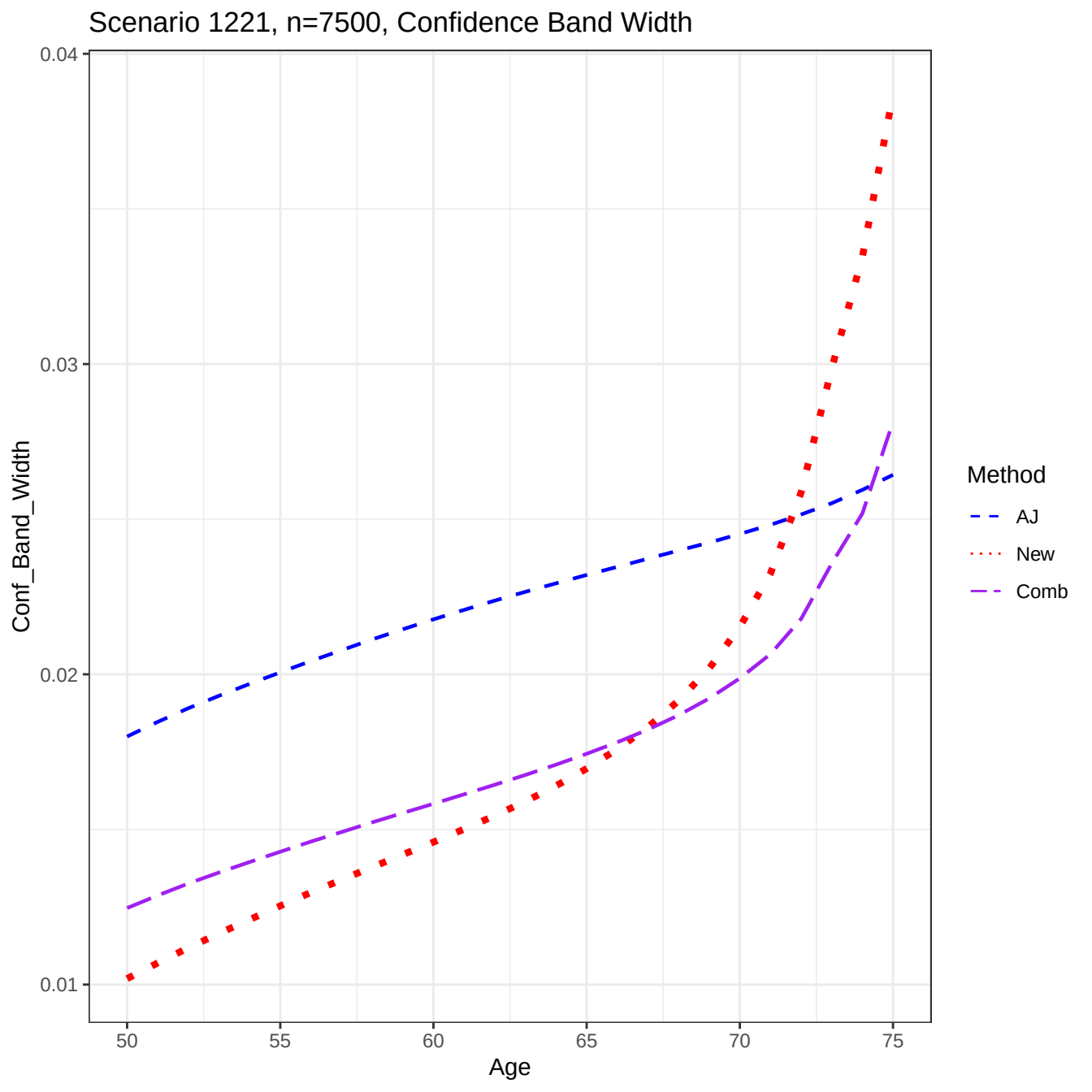
CONFIDENCE BAND COVERAGE RATES

Scenario: 1221

AJ: 0.908

new: 0.908

Combo: 0.918


Scenario 1221, n=7500, Confidence Band Width
0.04
0.03
0.02
0.01
Conf_Band_Width
50
55
60
65
70
75
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 1222

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

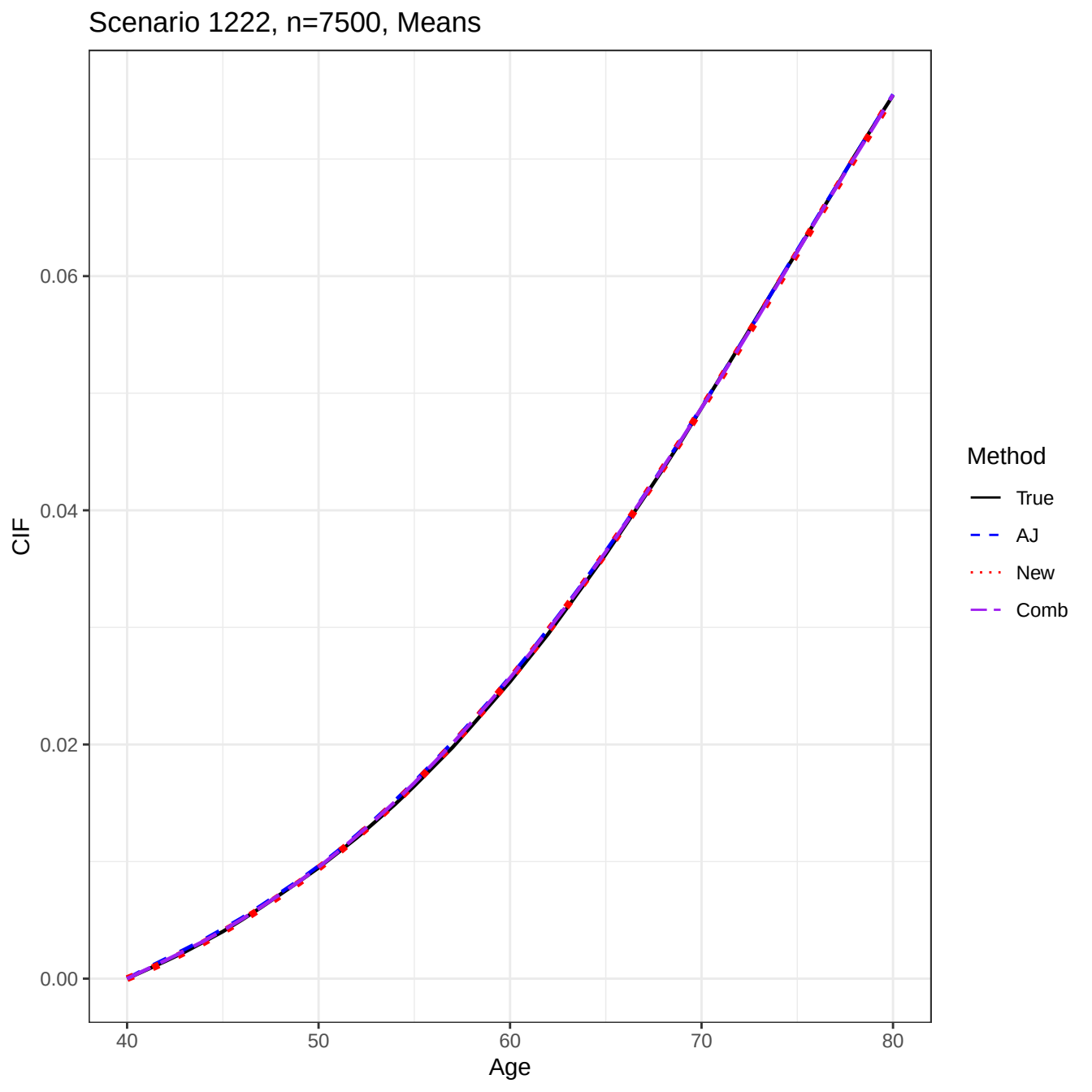
transformation: 0.5*pi − asin(sqrt(1−u))

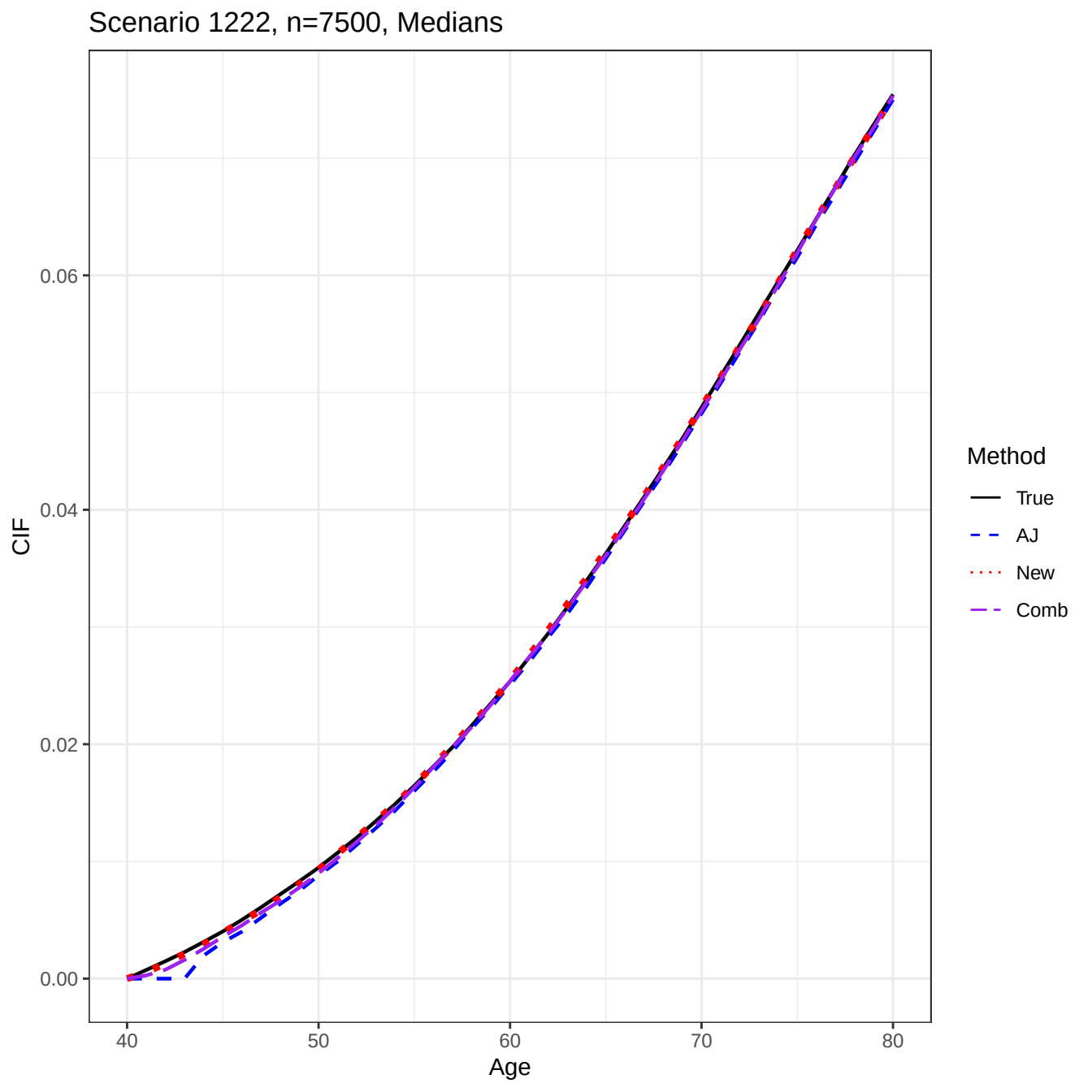
pointwise CI's done by: normal−theory

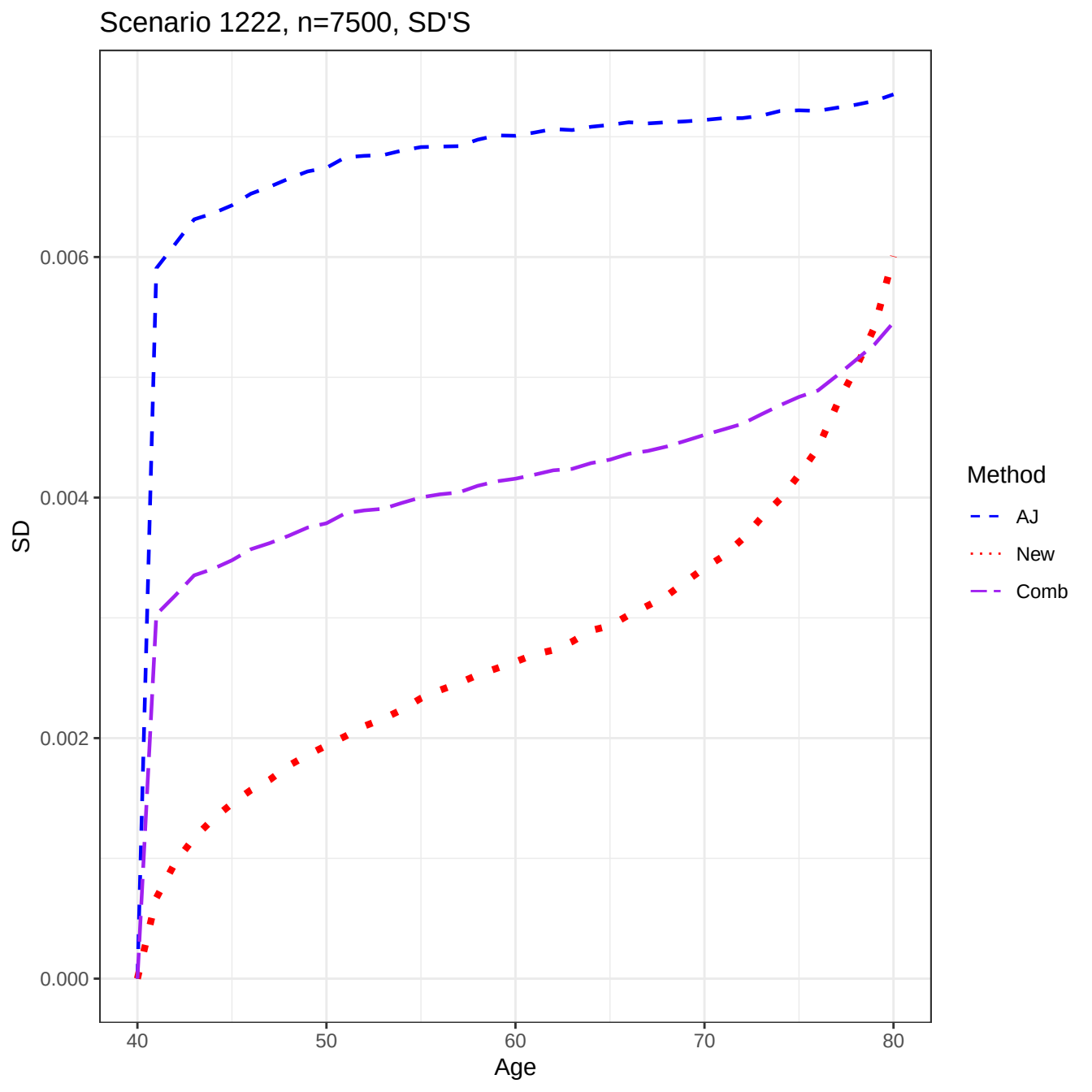
auxflg = FALSE

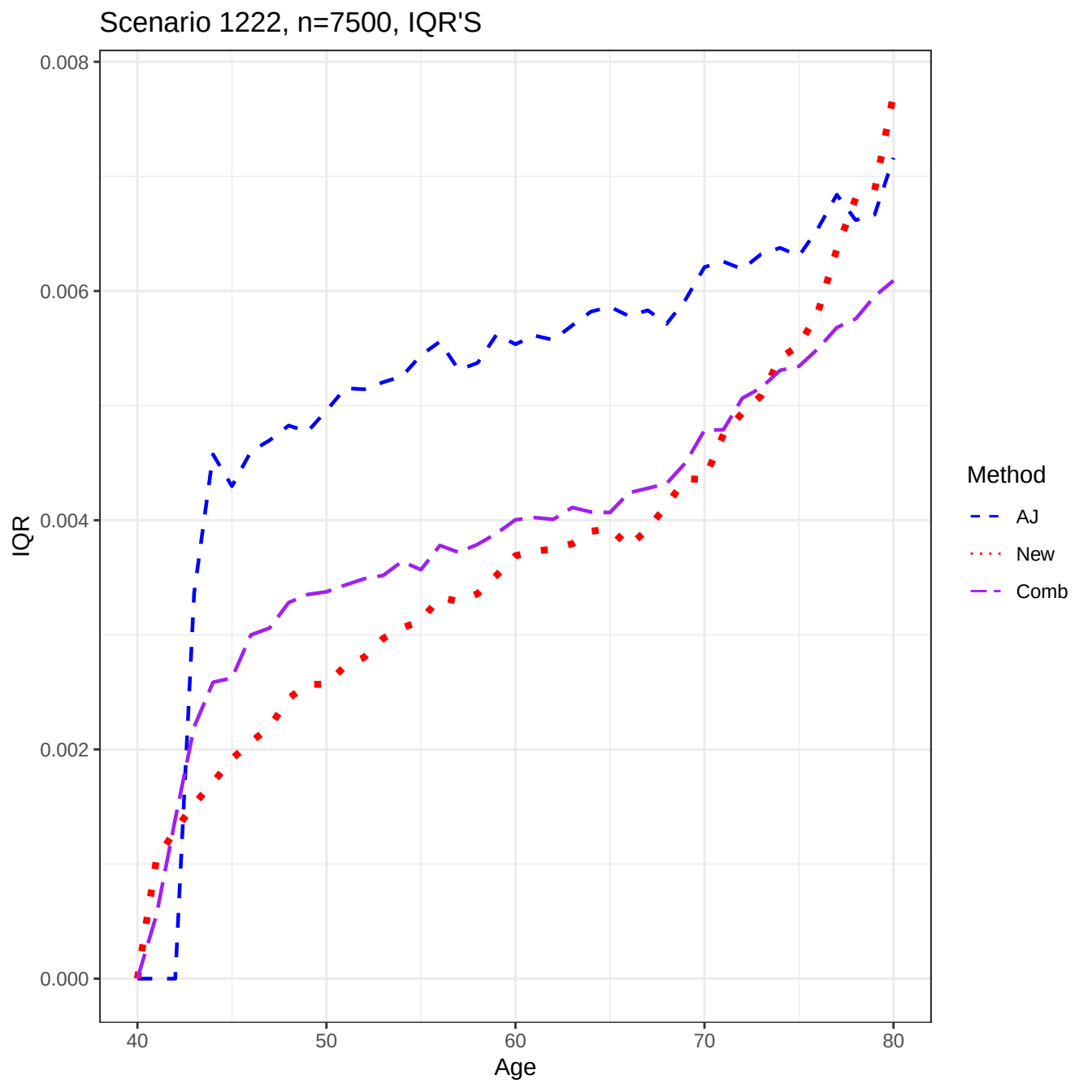
bootstrap weights: normal

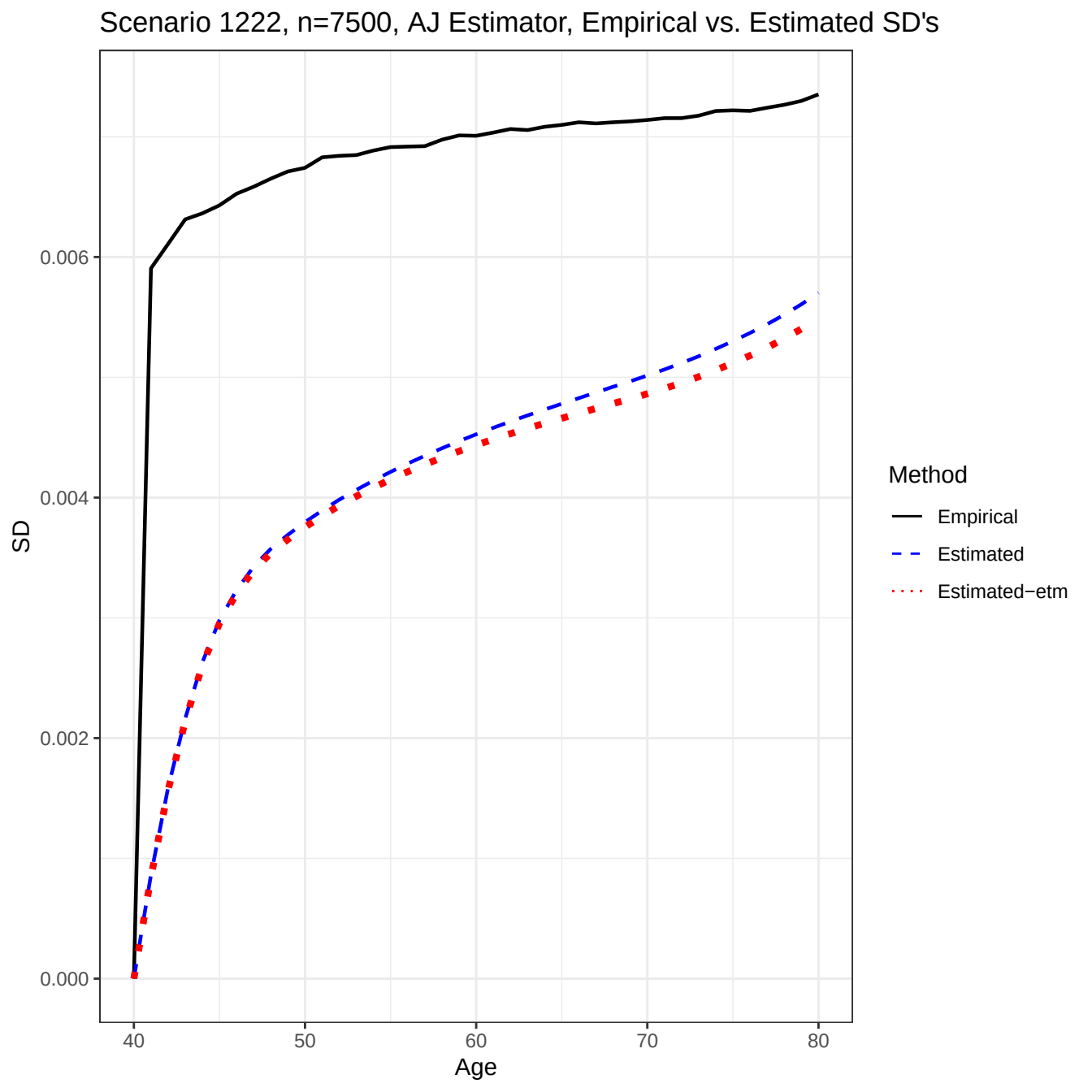
Date/Time: 2024−01−21 02:20:37.975101

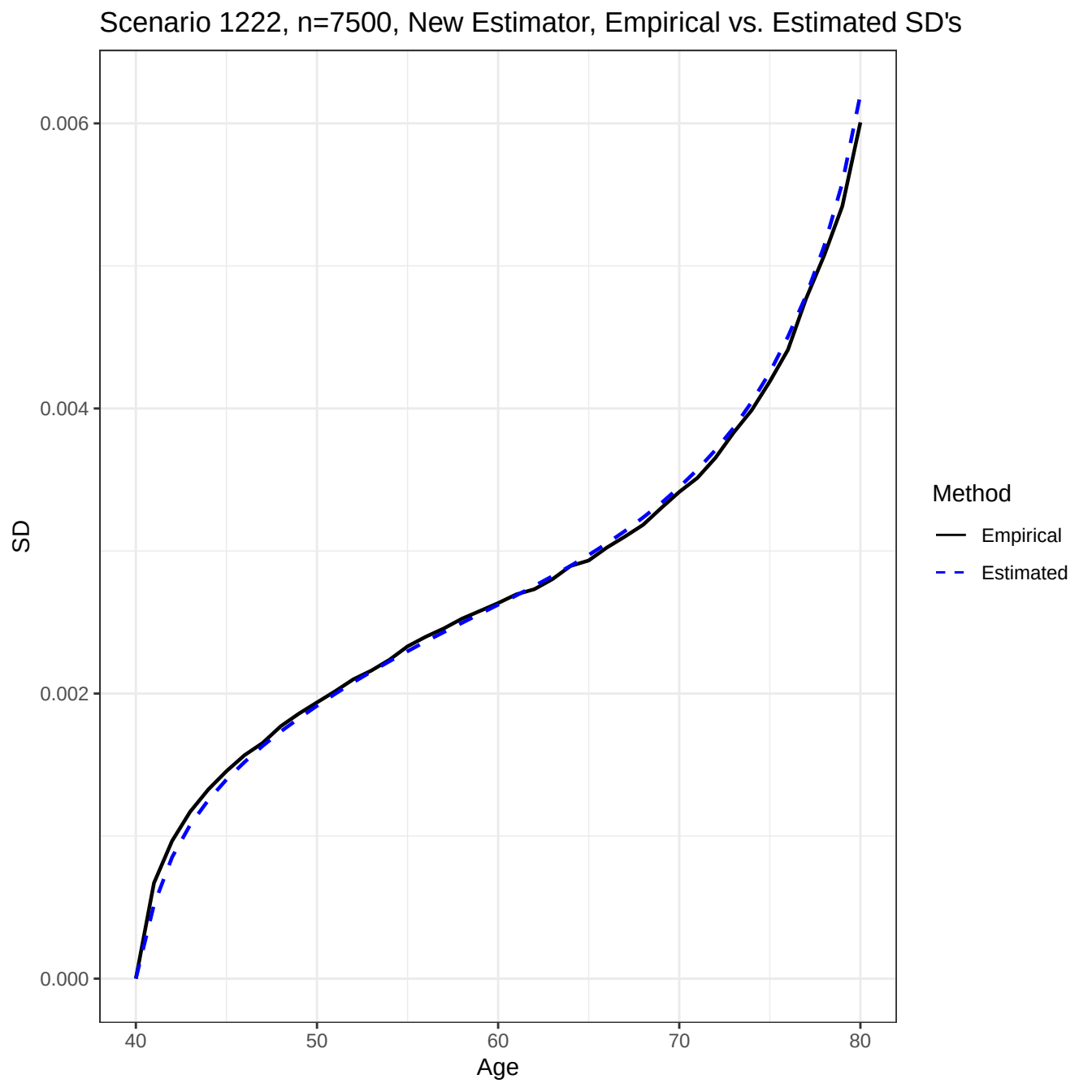

Scenario 1222, n=7500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

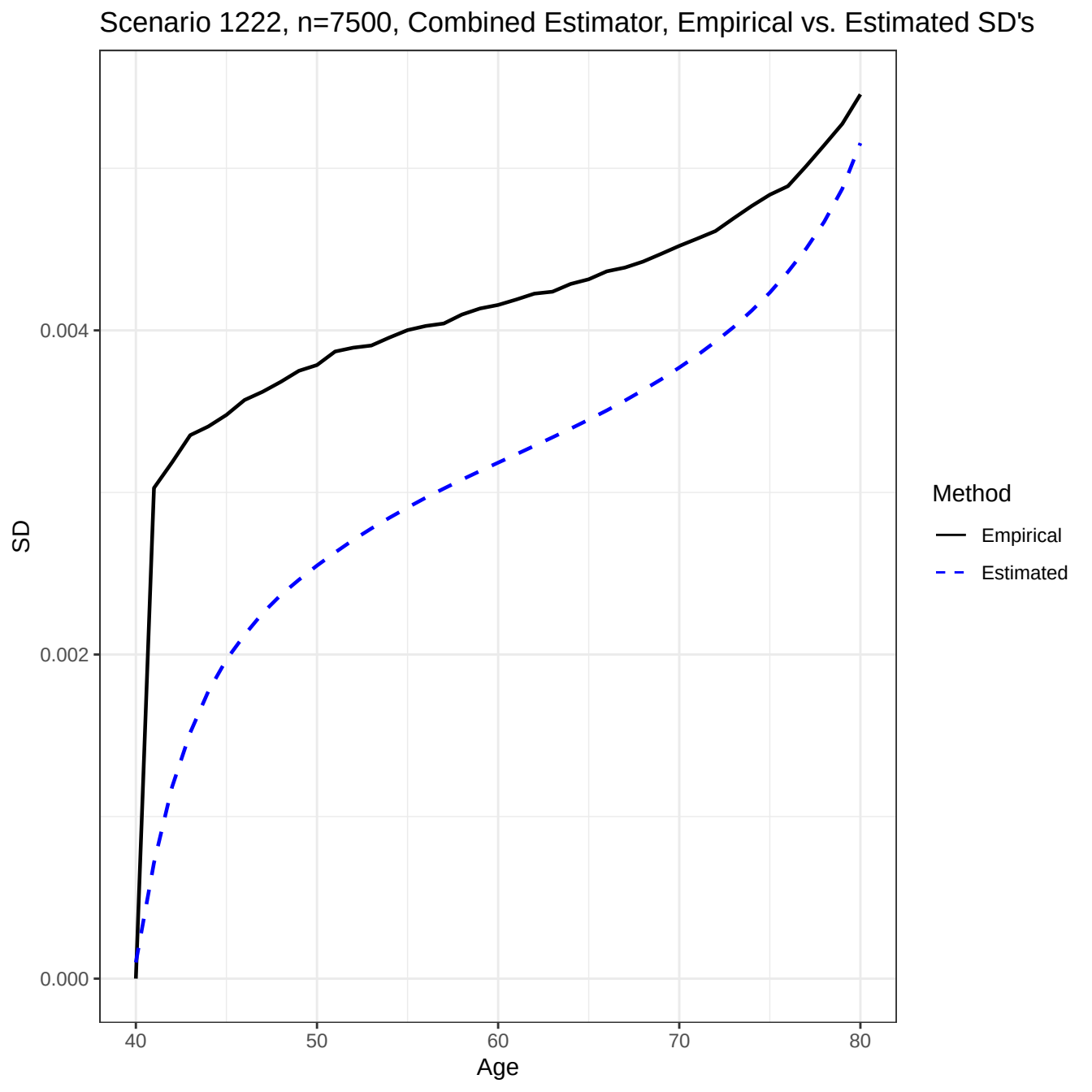

Scenario 1222, n=7500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

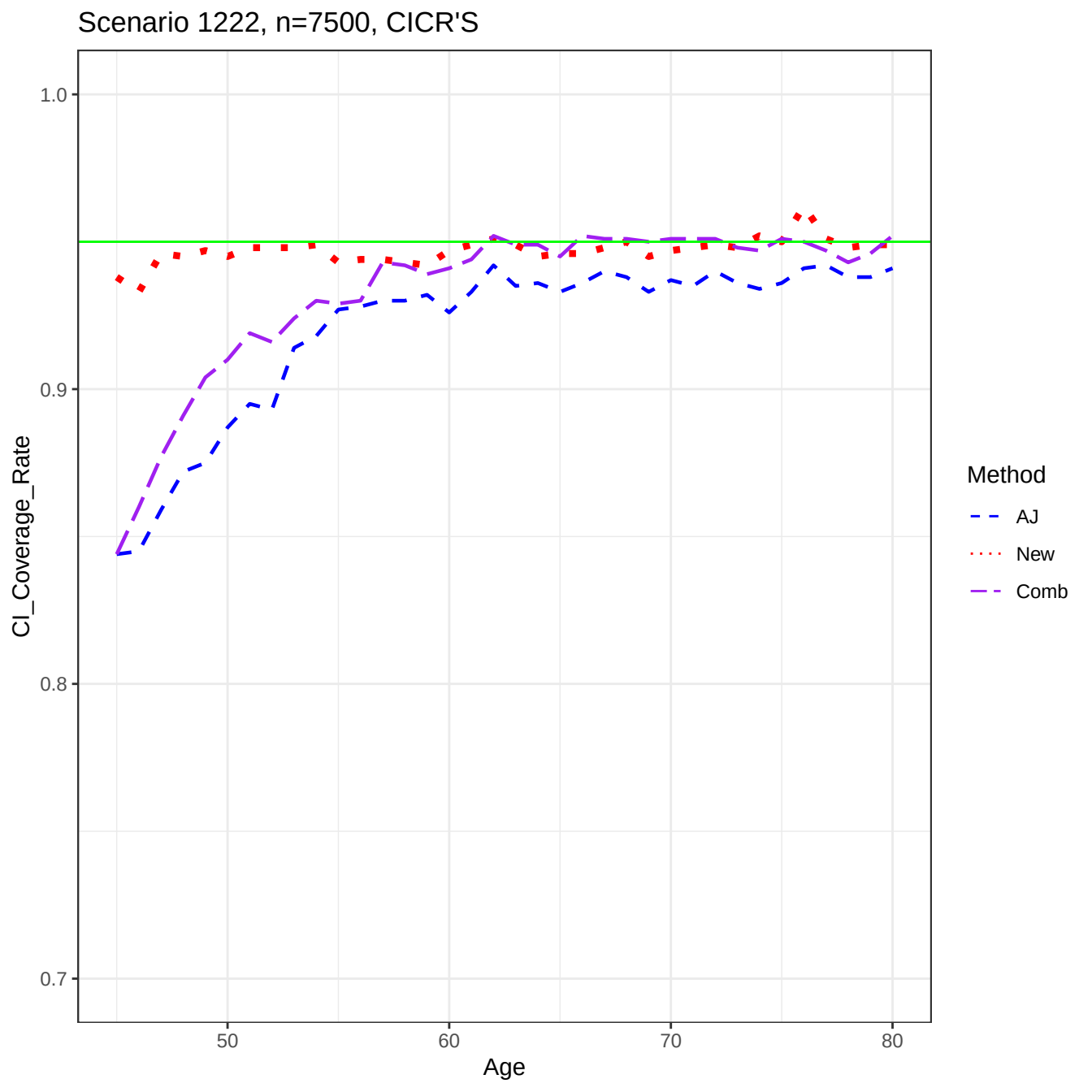

Scenario 1222, n=7500, SD'S
SD
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb

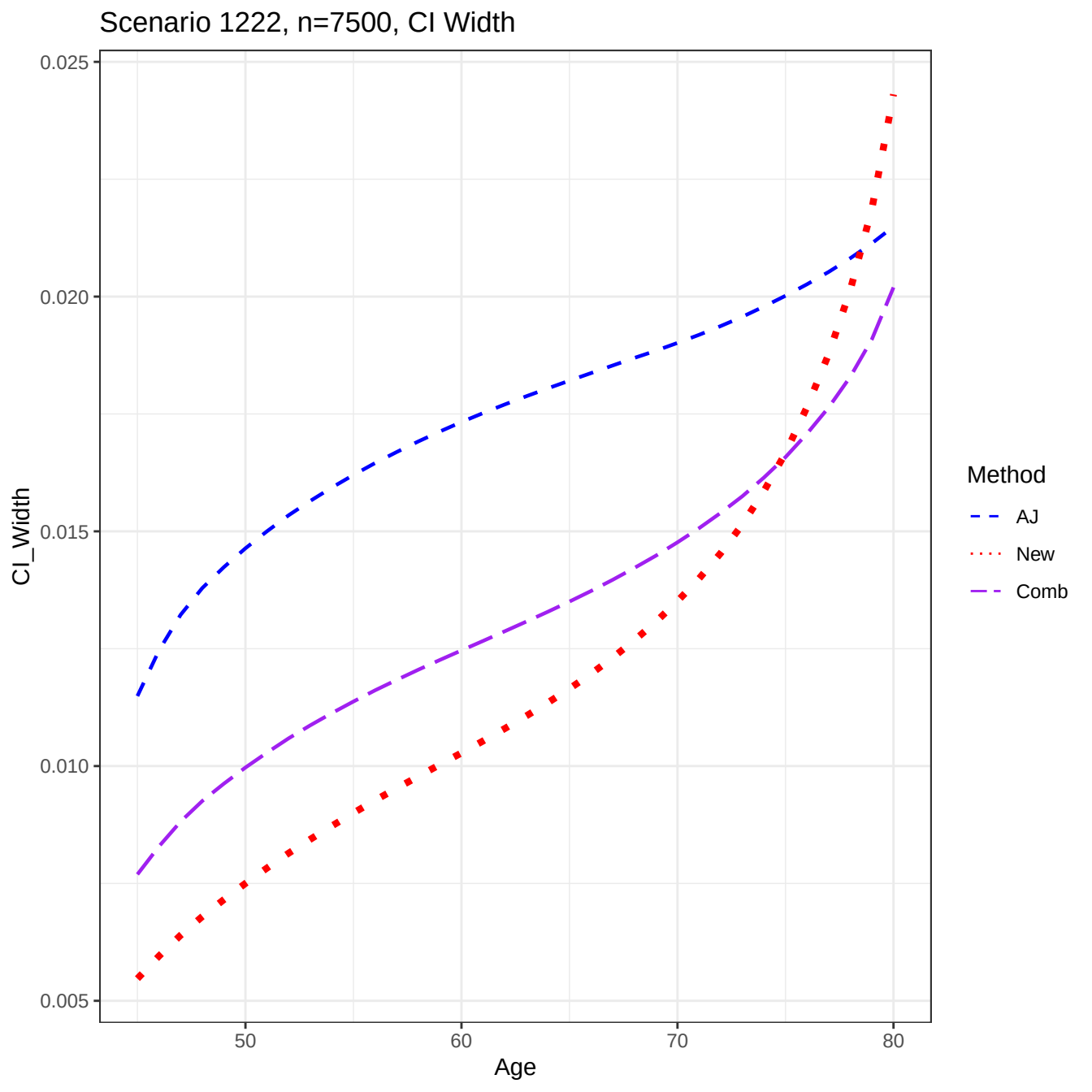

Scenario 1222, n=7500, IQR'S
0.008
0.006
0.004
0.002
0.000
IQR
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1222, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.000
0.002
0.004
0.006
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1222, n=7500, New Estimator, Empirical vs. Estimated SD's
0.006
0.004
0.002
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1222, n=7500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1222, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1222, n=7500, CI Width
0.025
0.020
0.015
0.010
0.005
CI_Width
50
60
70
80
Age
Method
AJ
New
Comb

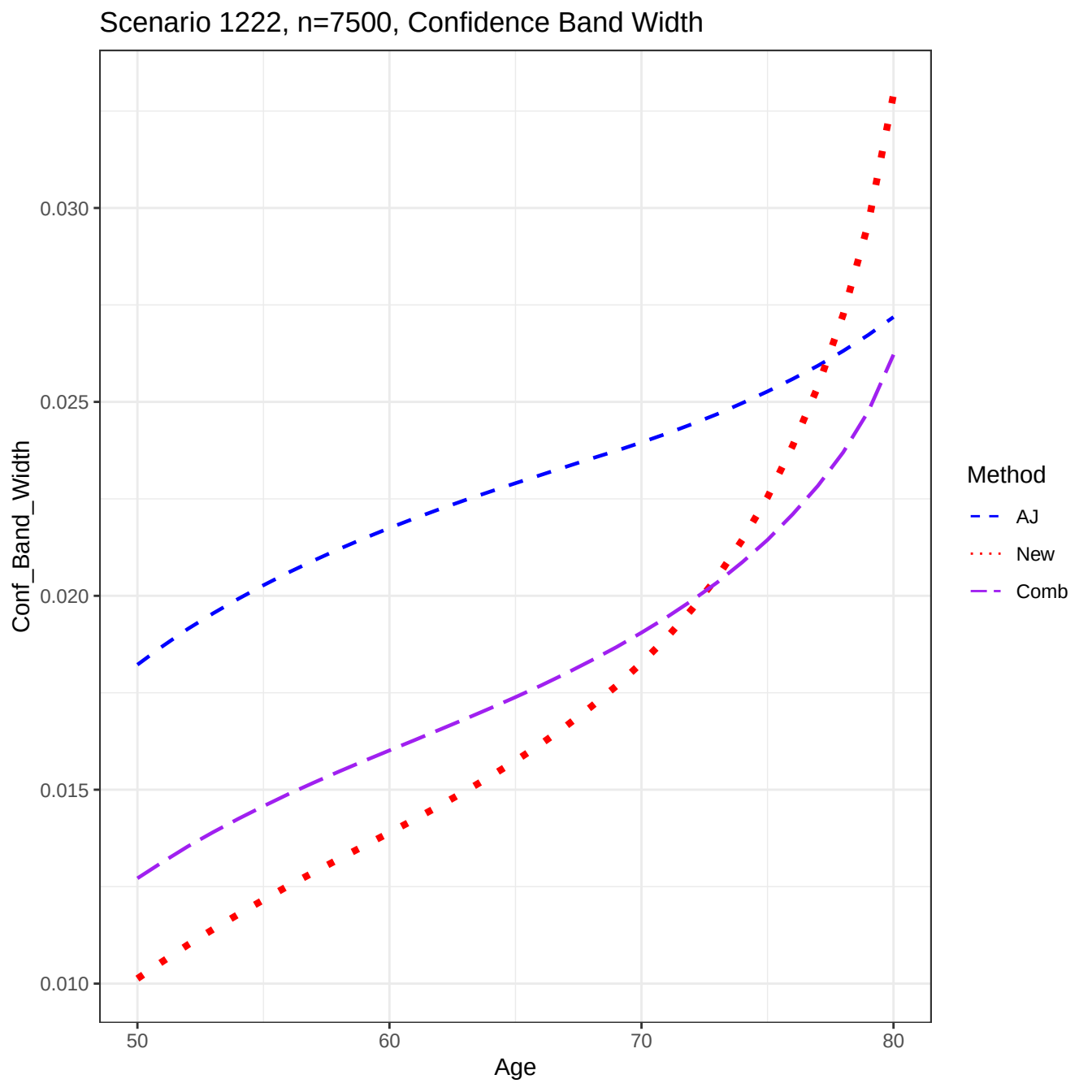
CONFIDENCE BAND COVERAGE RATES

Scenario: 1222

AJ: 0.912

new: 0.939

Combo: 0.925


Scenario 1222, n=7500, Confidence Band Width
Conf_Band_Width
0.030
0.025
0.020
0.015
0.010
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2111

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

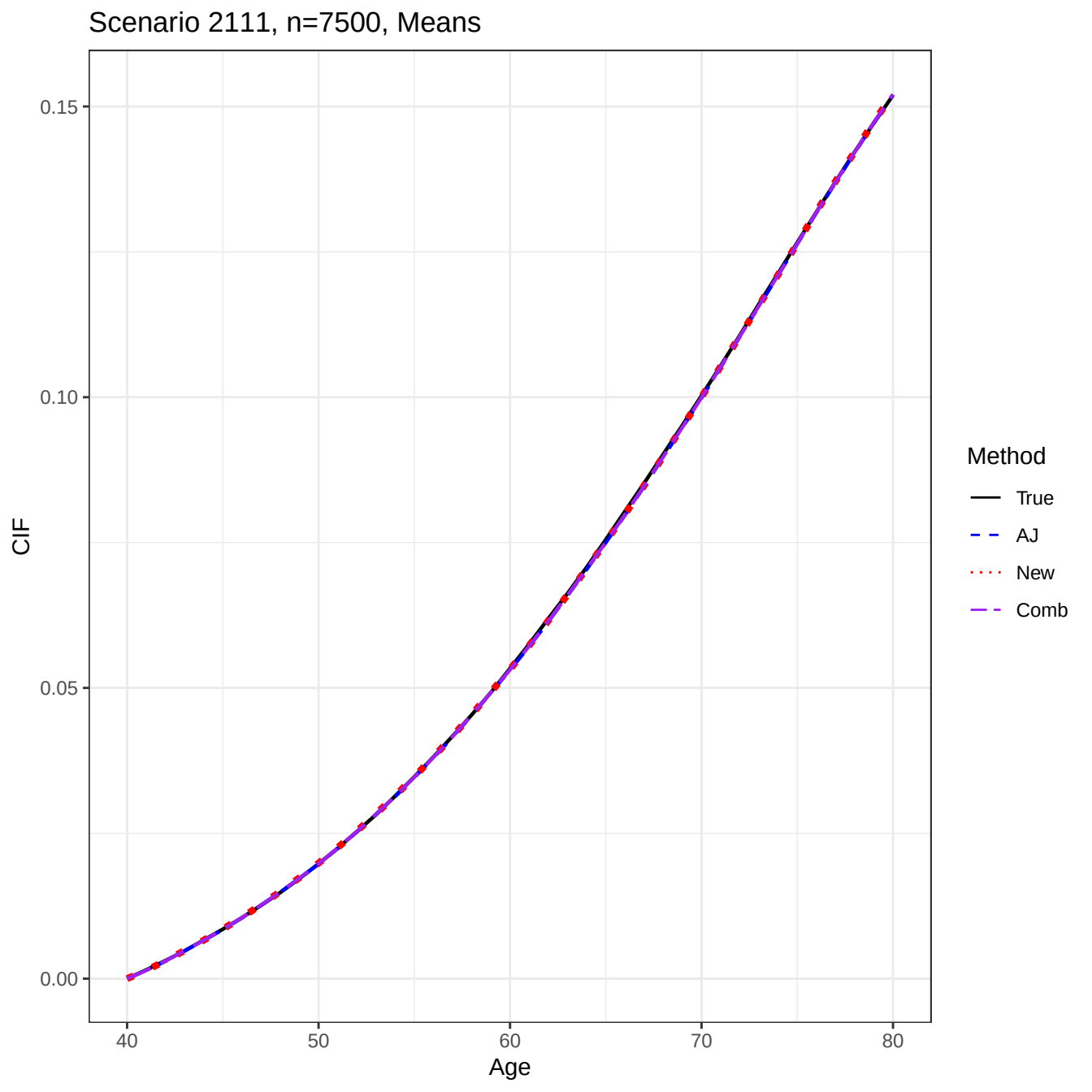
transformation: 0.5*pi − asin(sqrt(1−u))

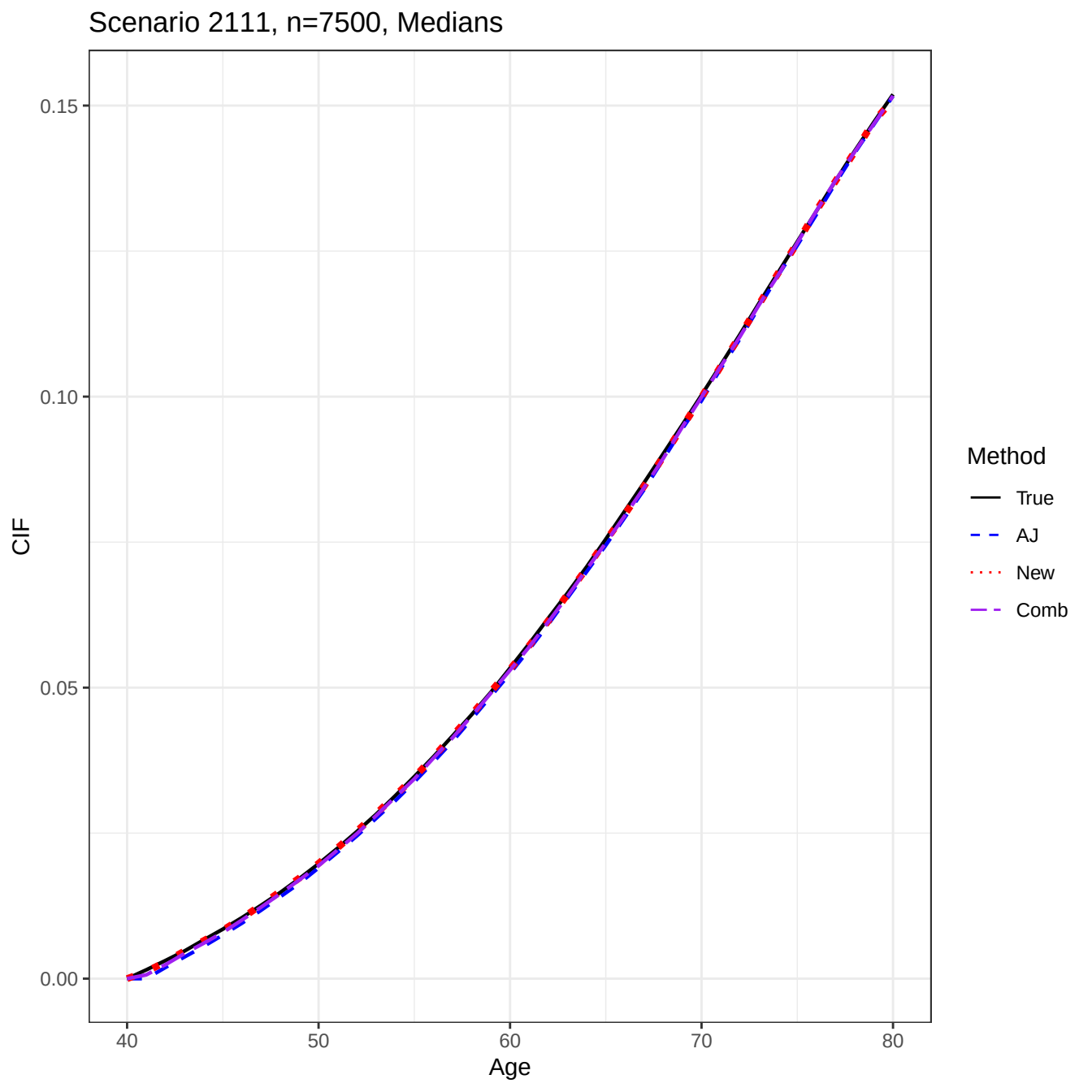
pointwise CI's done by: normal−theory

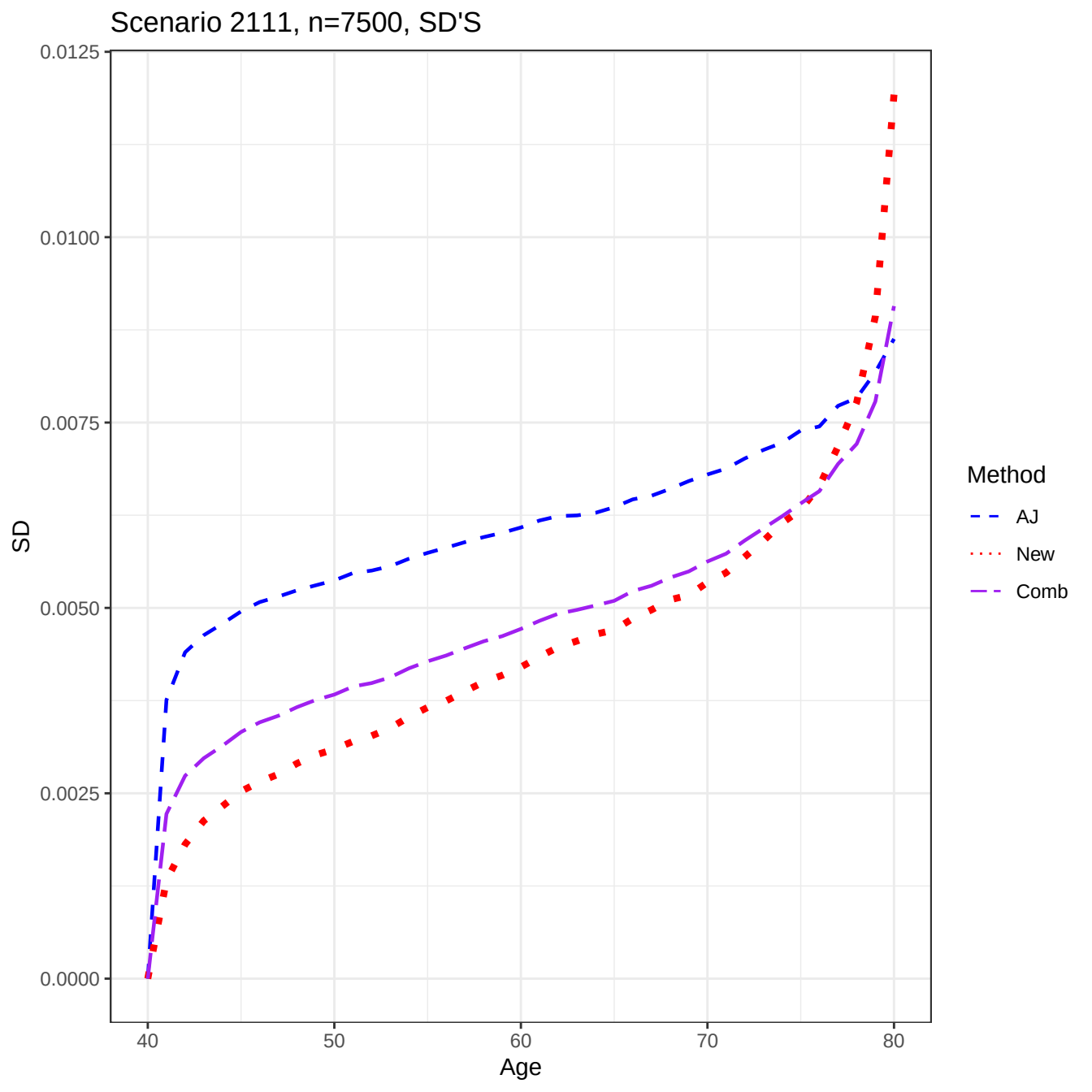
auxflg = FALSE

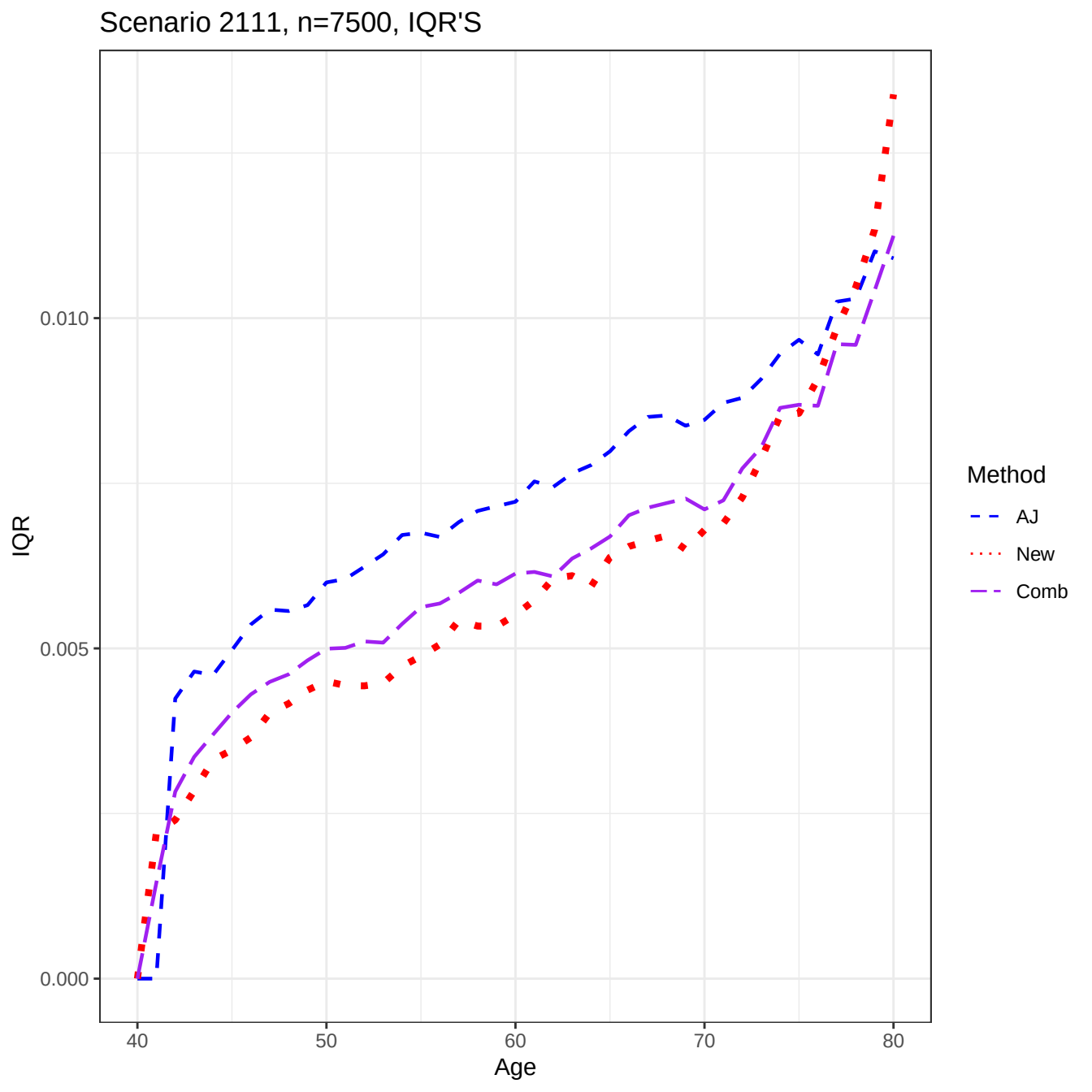
bootstrap weights: normal

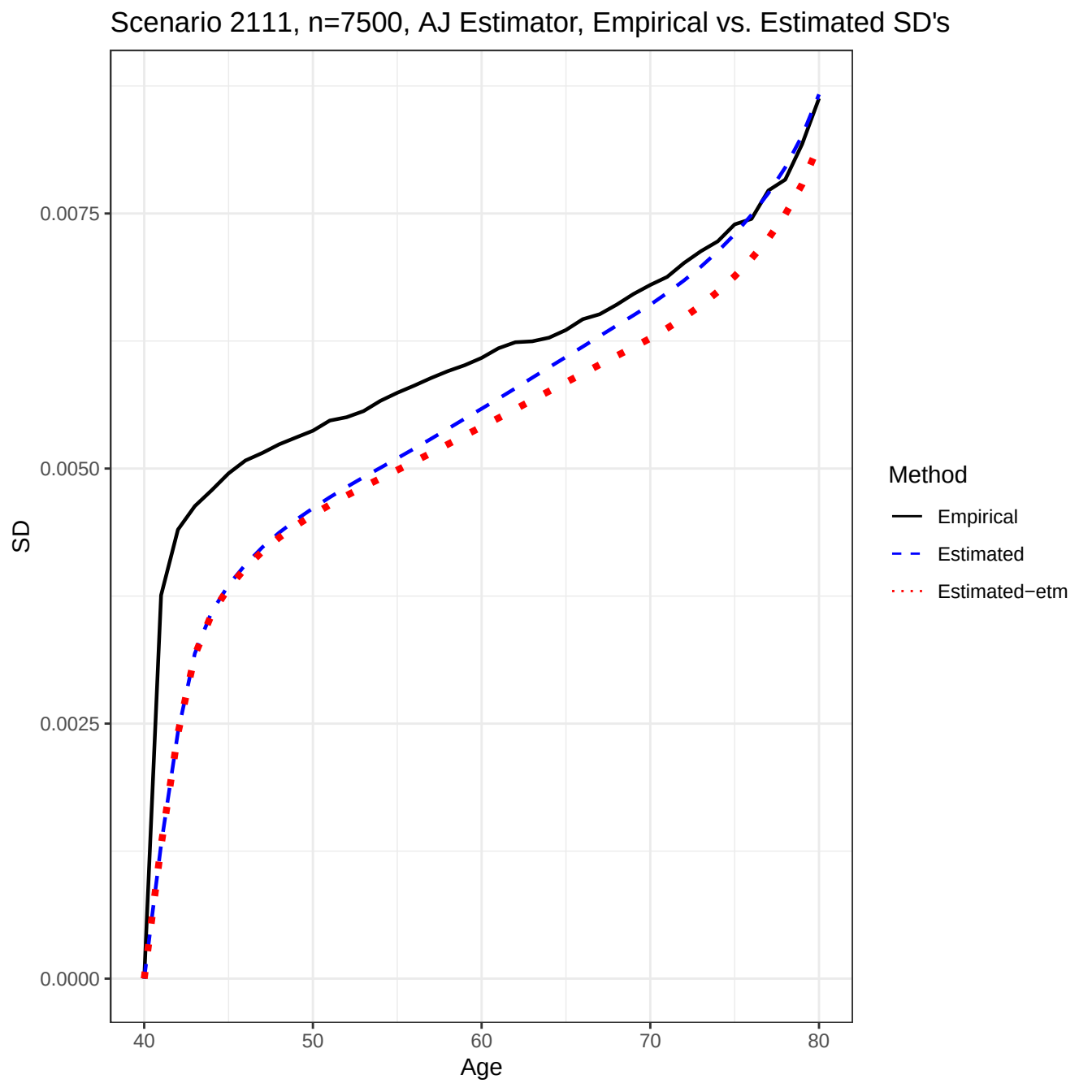
Date/Time: 2024−01−21 13:57:30.086148

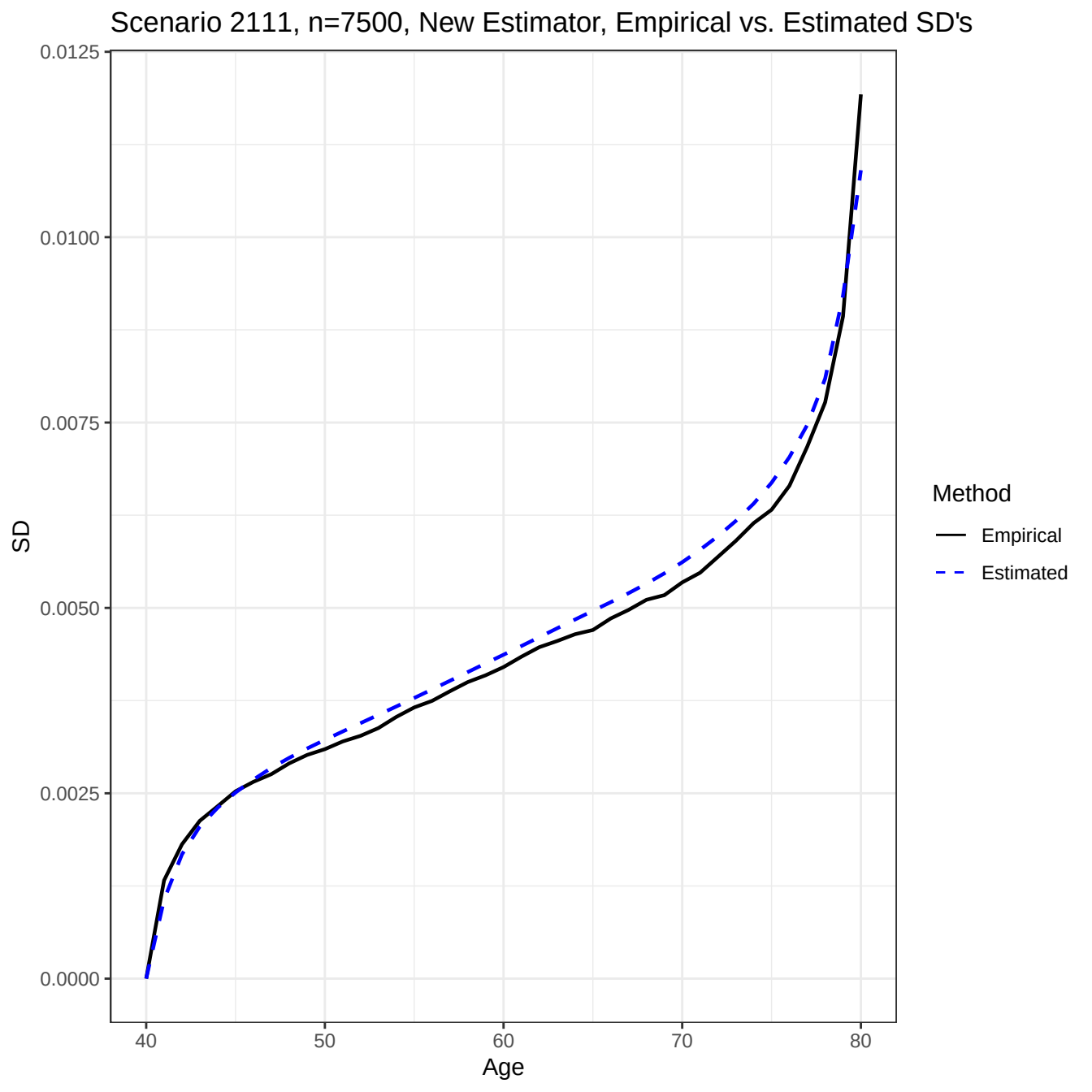

Scenario 2111, n=7500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

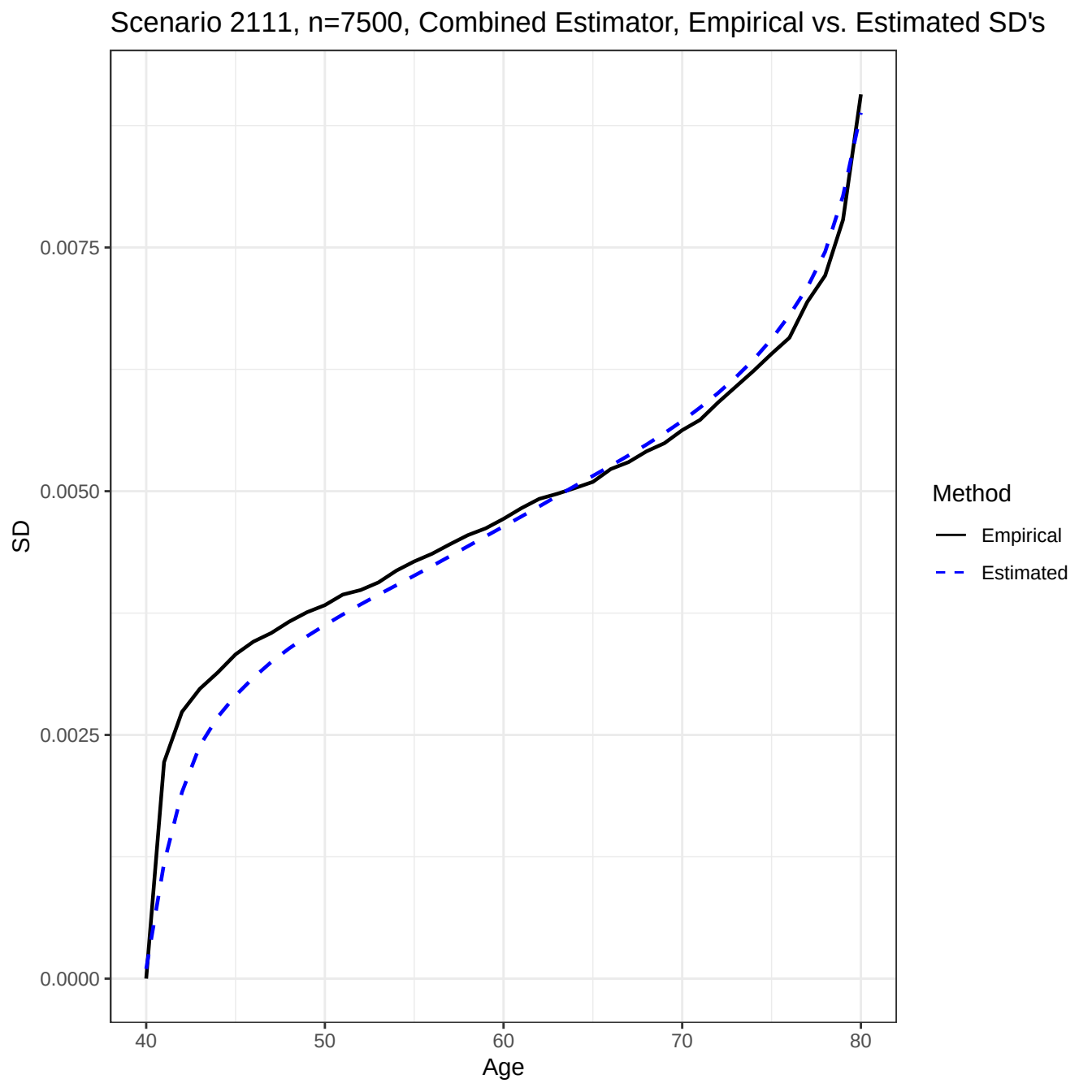

Scenario 2111, n=7500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

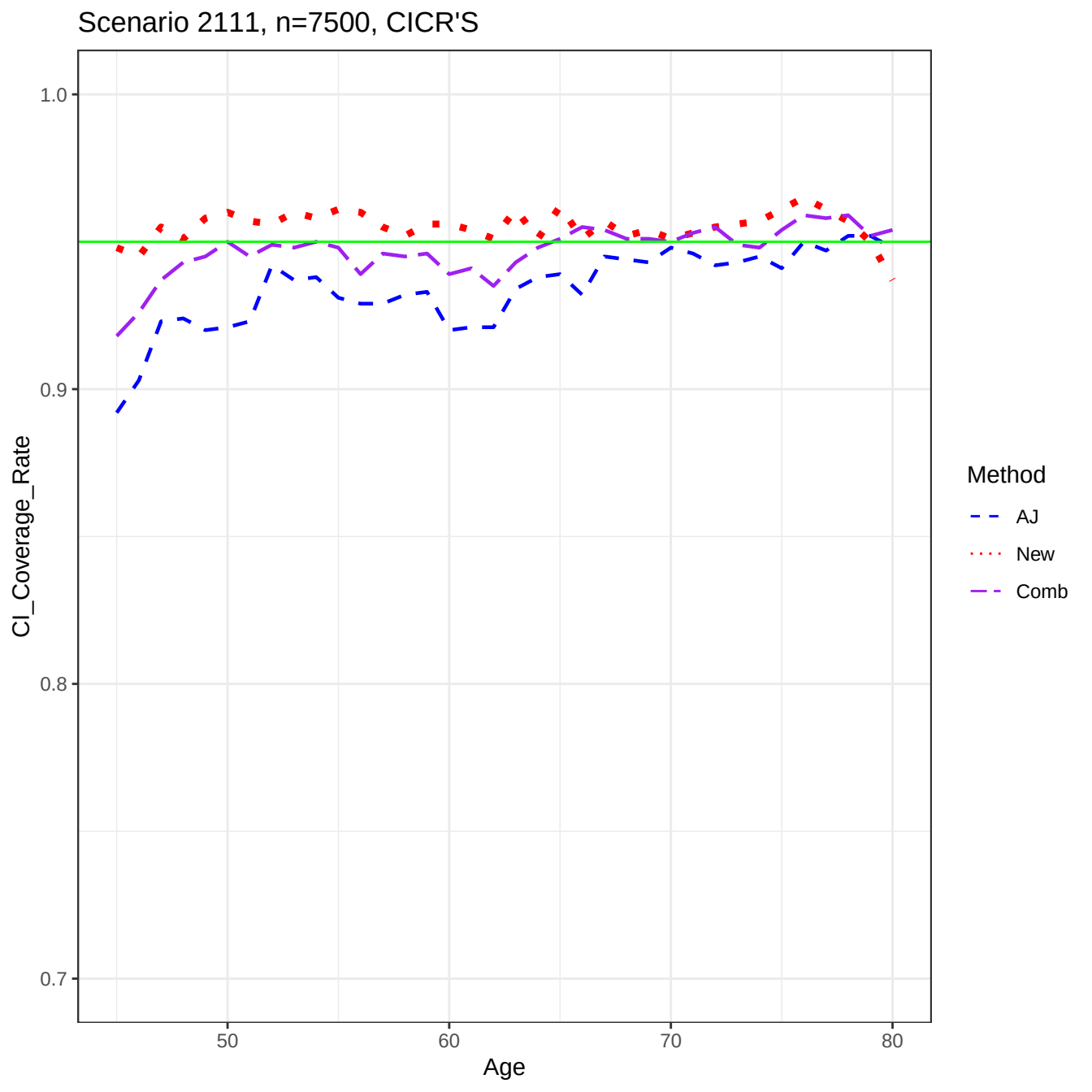

Scenario 2111, n=7500, SD'S
0.0125
0.0100
0.0075
0.0050
0.0025
0.0000
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

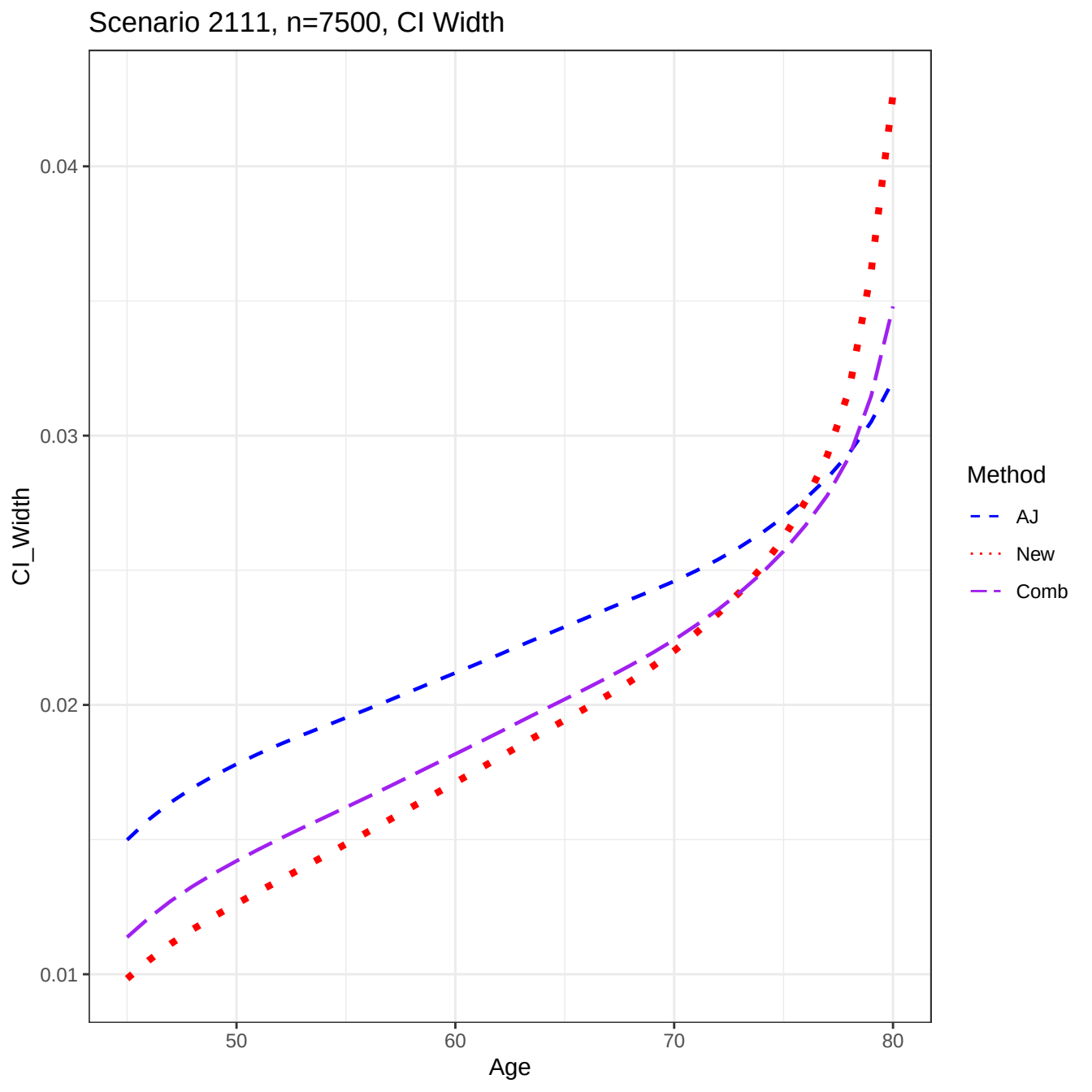

Scenario 2111, n=7500, IQR'S
IQR
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2111, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.0000
0.0025
0.0050
0.0075
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2111, n=7500, New Estimator, Empirical vs. Estimated SD's
0.0125
0.0100
0.0075
0.0050
0.0025
0.0000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2111, n=7500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2111, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2111, n=7500, CI Width
CI_Width
0.04
0.03
0.02
0.01
50
60
70
80
Age
Method
AJ
New
Comb

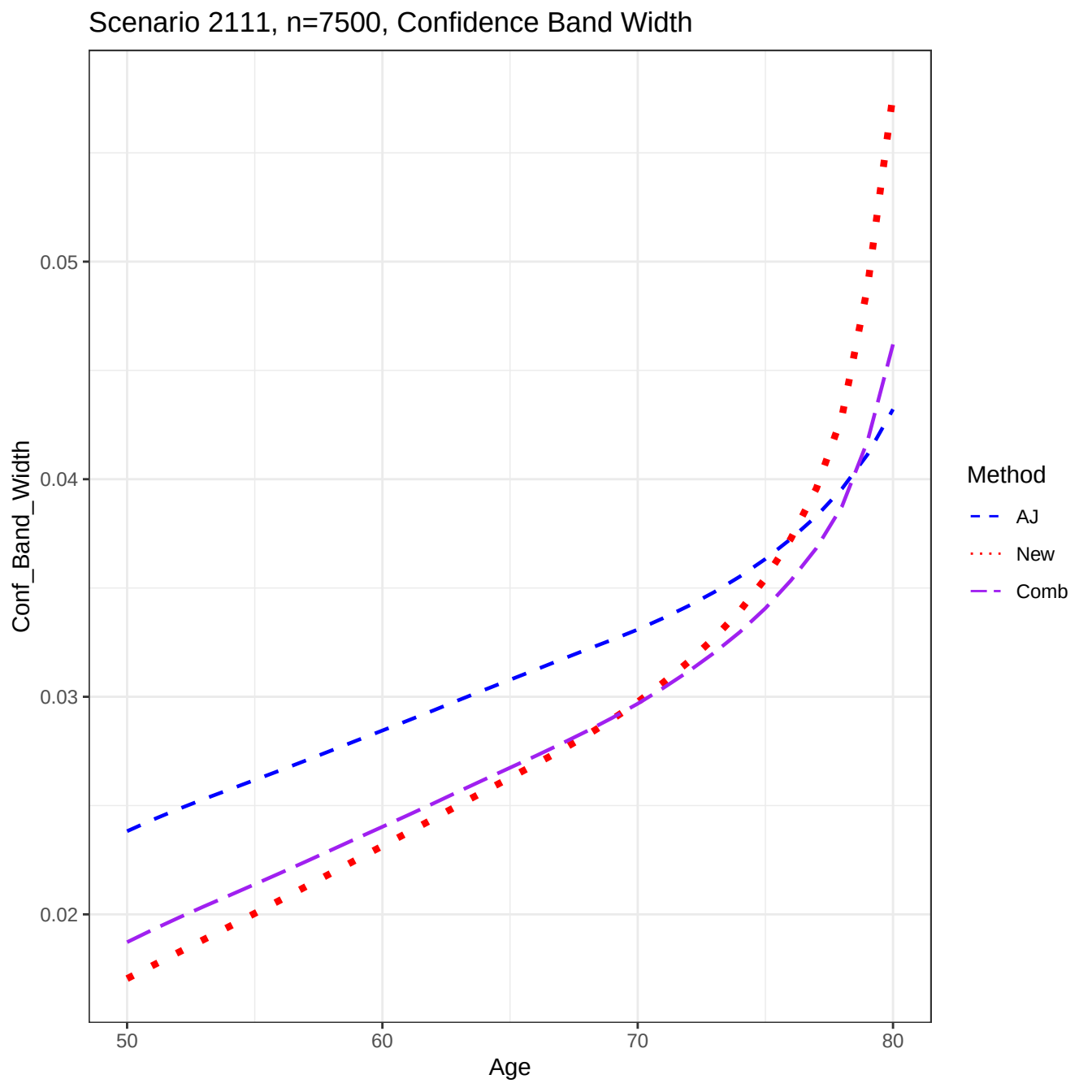
CONFIDENCE BAND COVERAGE RATES

Scenario: 2111

AJ: 0.934

new: 0.947

Combo: 0.934


Scenario 2111, n=7500, Confidence Band Width
Conf_Band_Width
0.05
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2112

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

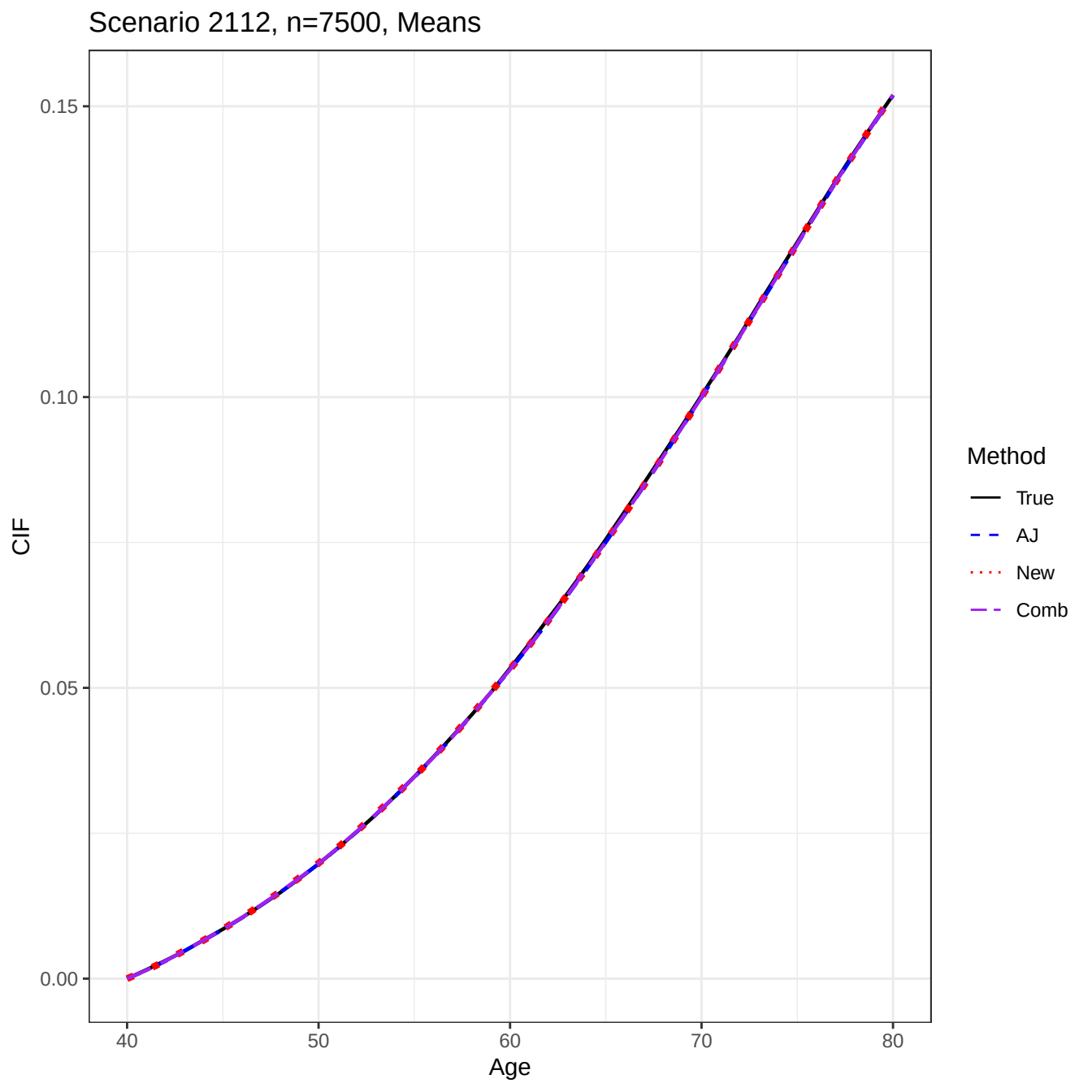
transformation: 0.5*pi − asin(sqrt(1−u))

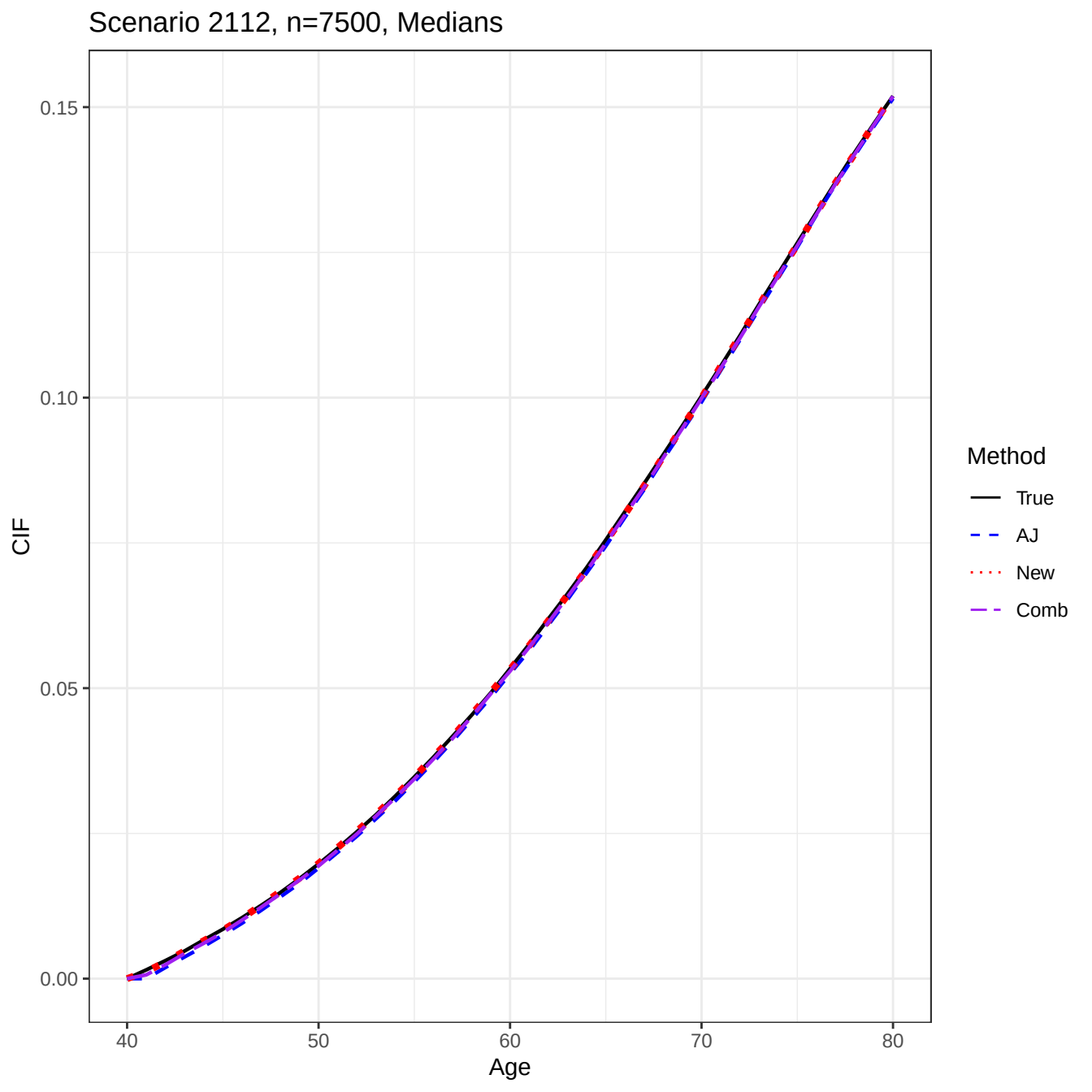
pointwise CI's done by: normal−theory

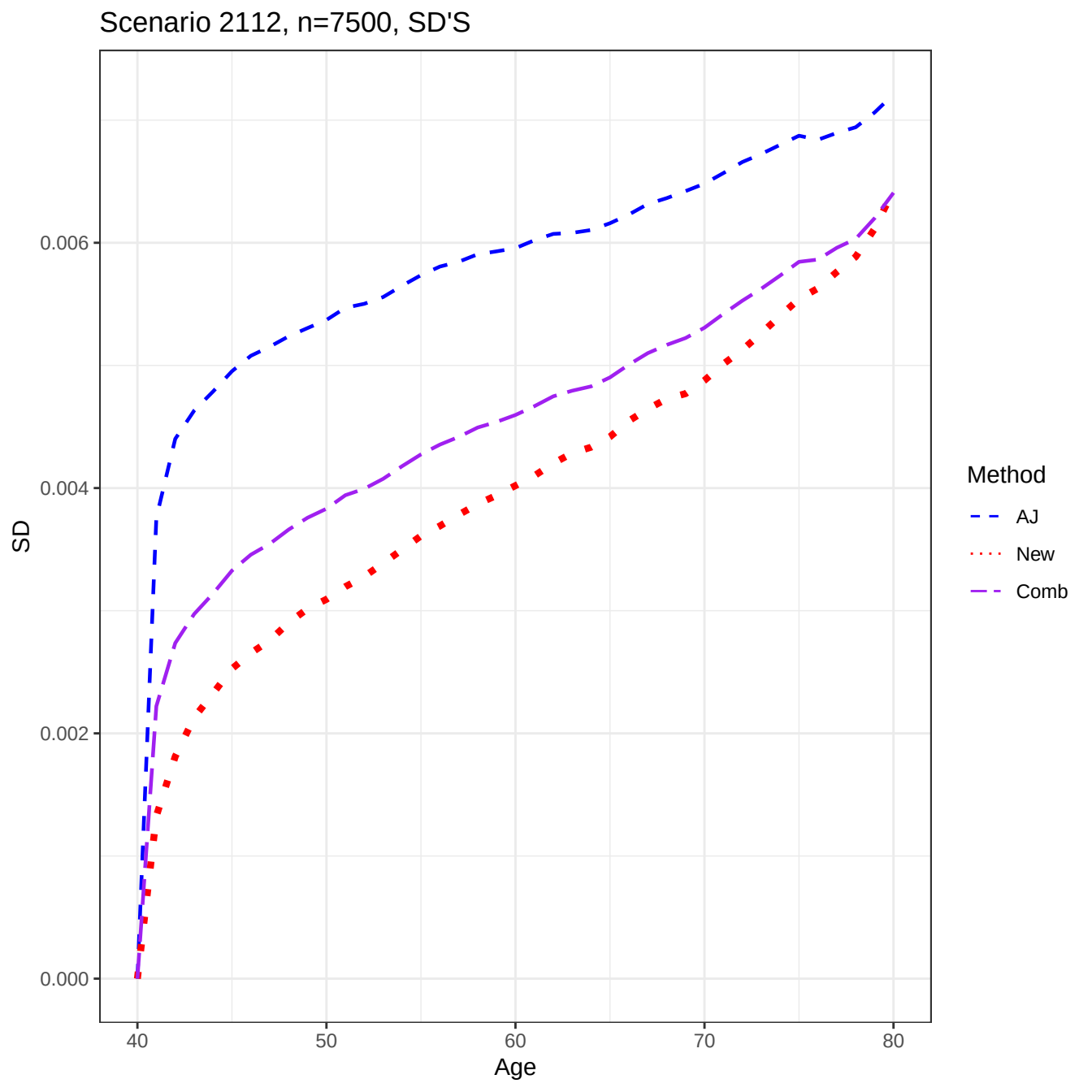
auxflg = FALSE

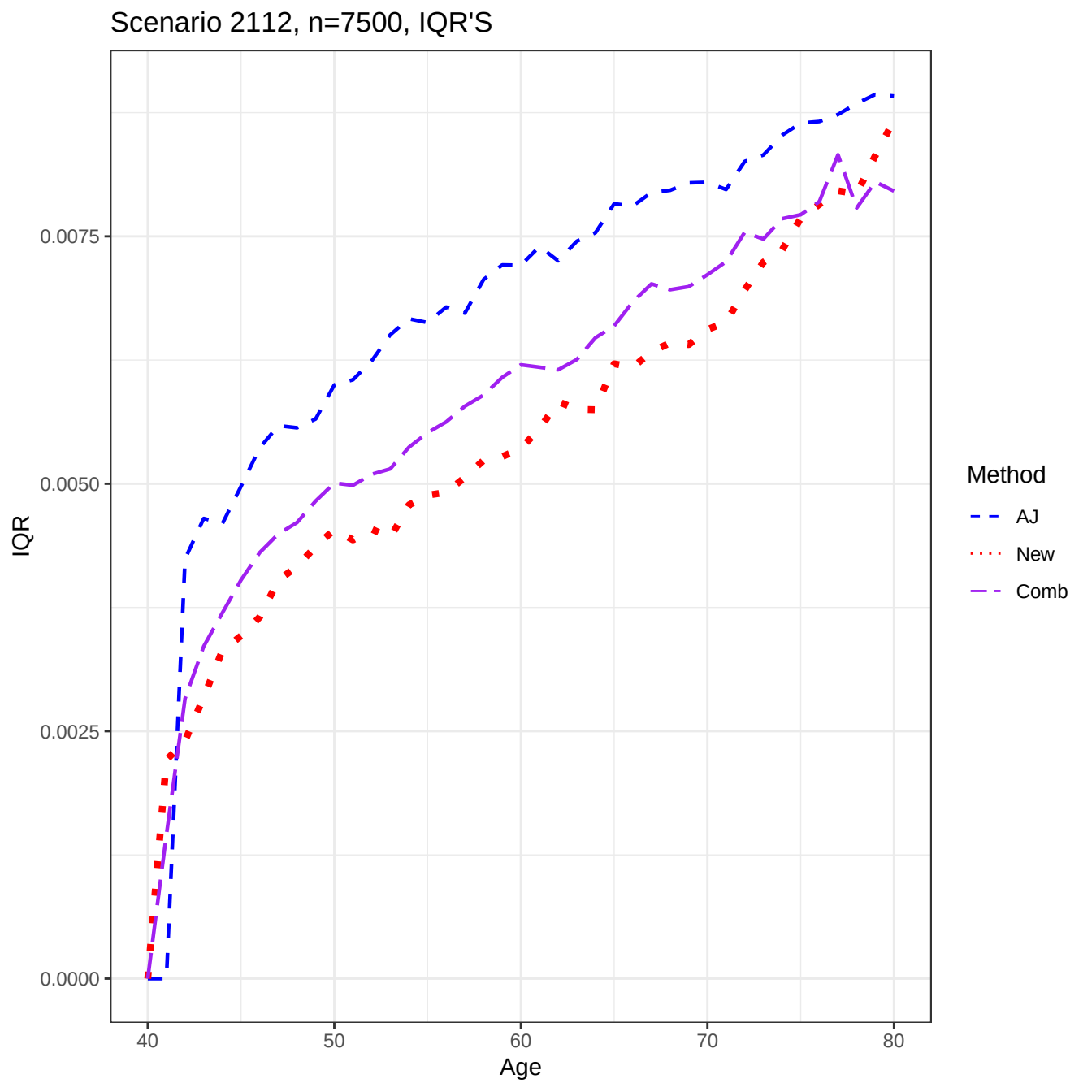
bootstrap weights: normal

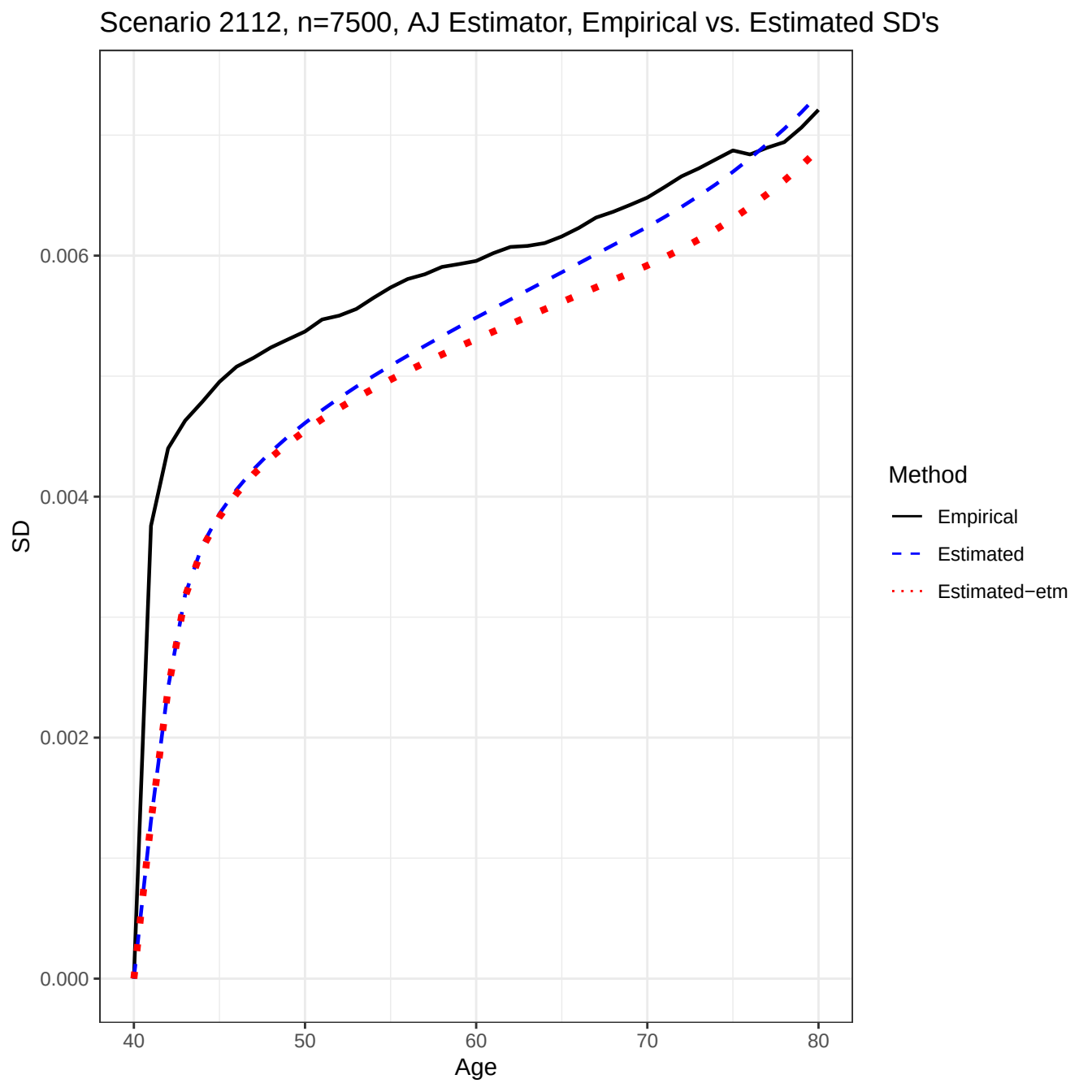
Date/Time: 2024−01−21 16:38:01.480144

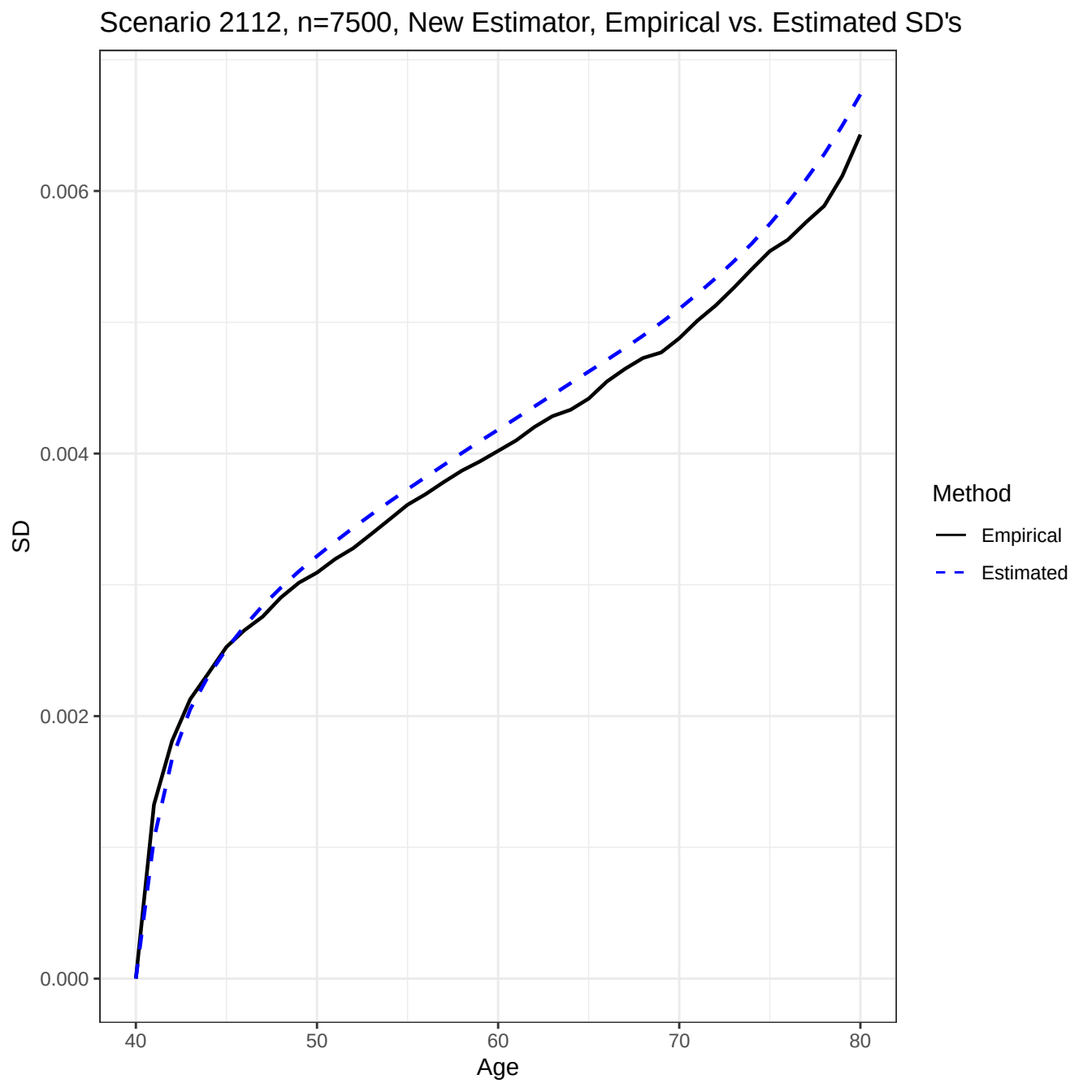

Scenario 2112, n=7500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

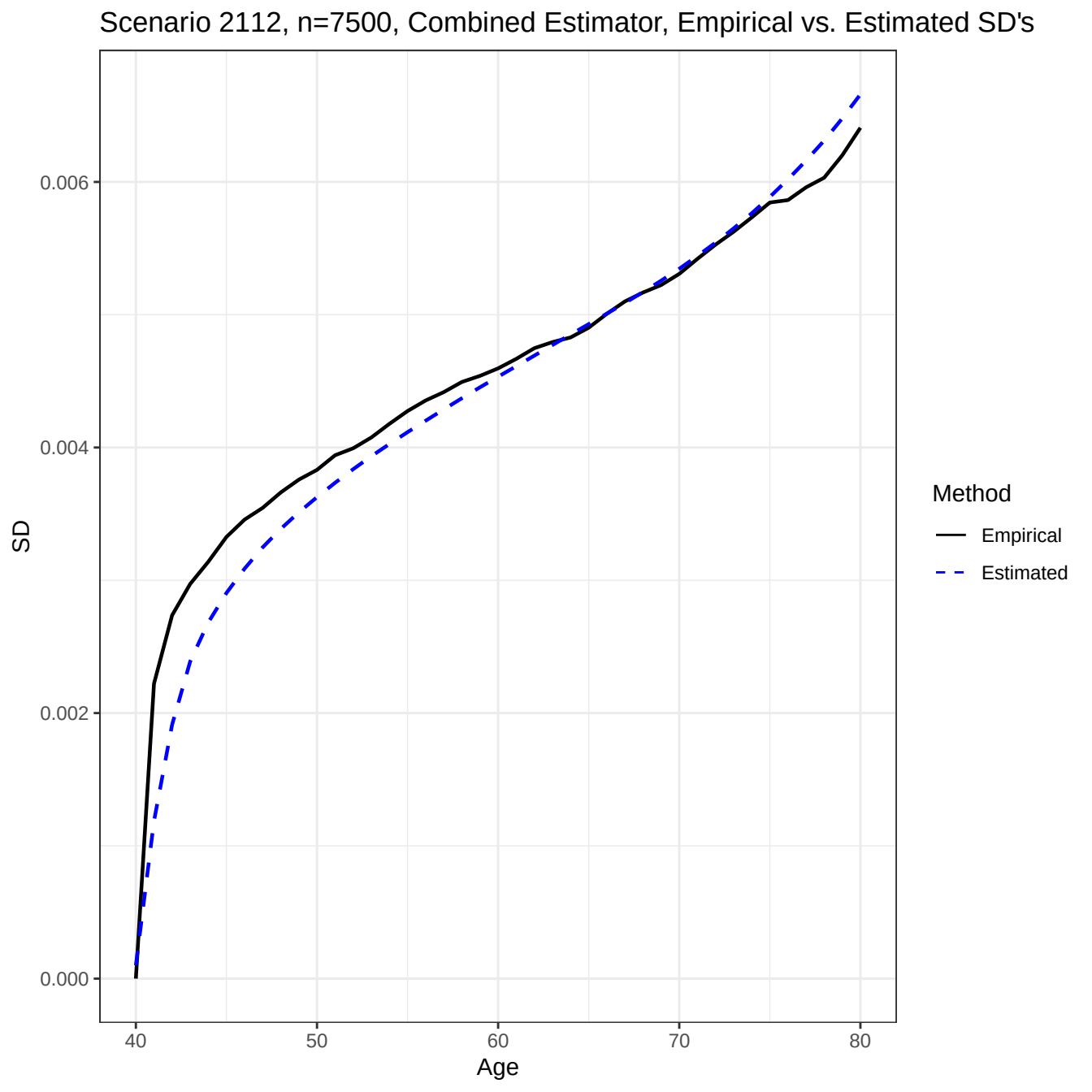

Scenario 2112, n=7500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

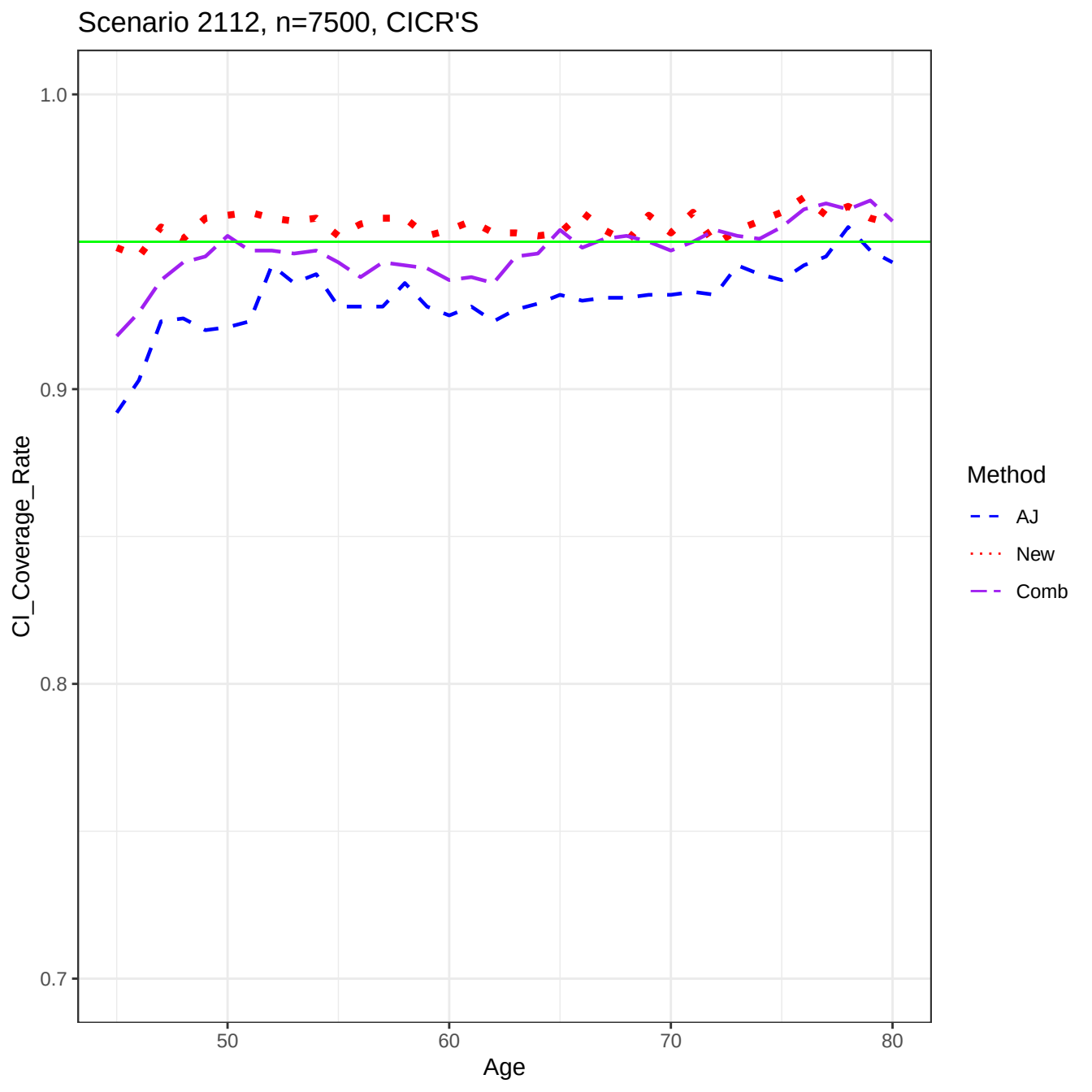

Scenario 2112, n=7500, SD'S
SD
0.000
0.002
0.004
0.006
40
50
60
70
80
Age
Method
AJ
New
Comb

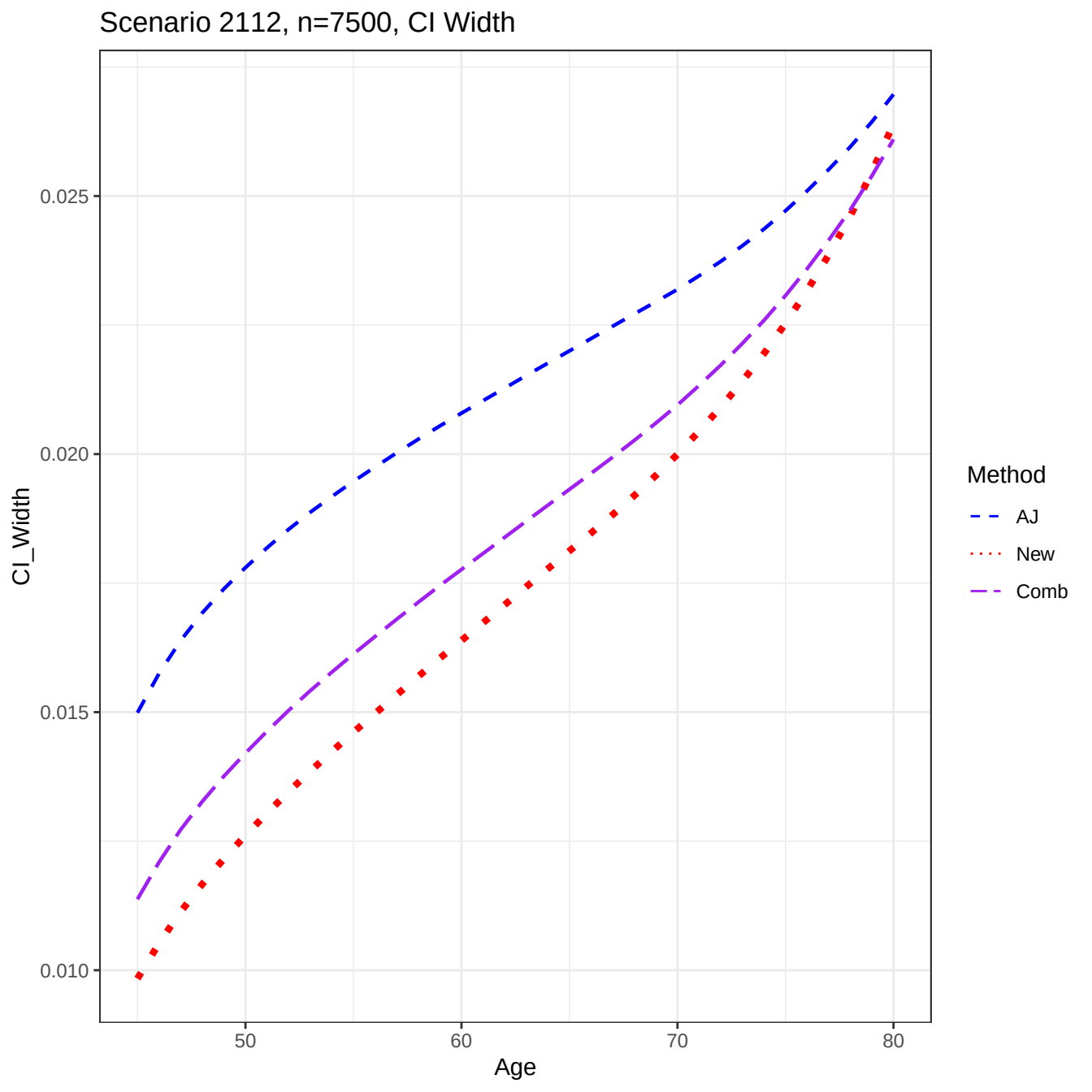

Scenario 2112, n=7500, IQR'S
IQR
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2112, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.000
0.002
0.004
0.006
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2112, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2112, n=7500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2112, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2112, n=7500, CI Width
CI_Width
0.025
0.020
0.015
0.010
50
60
70
80
Age
Method
AJ
New
Comb

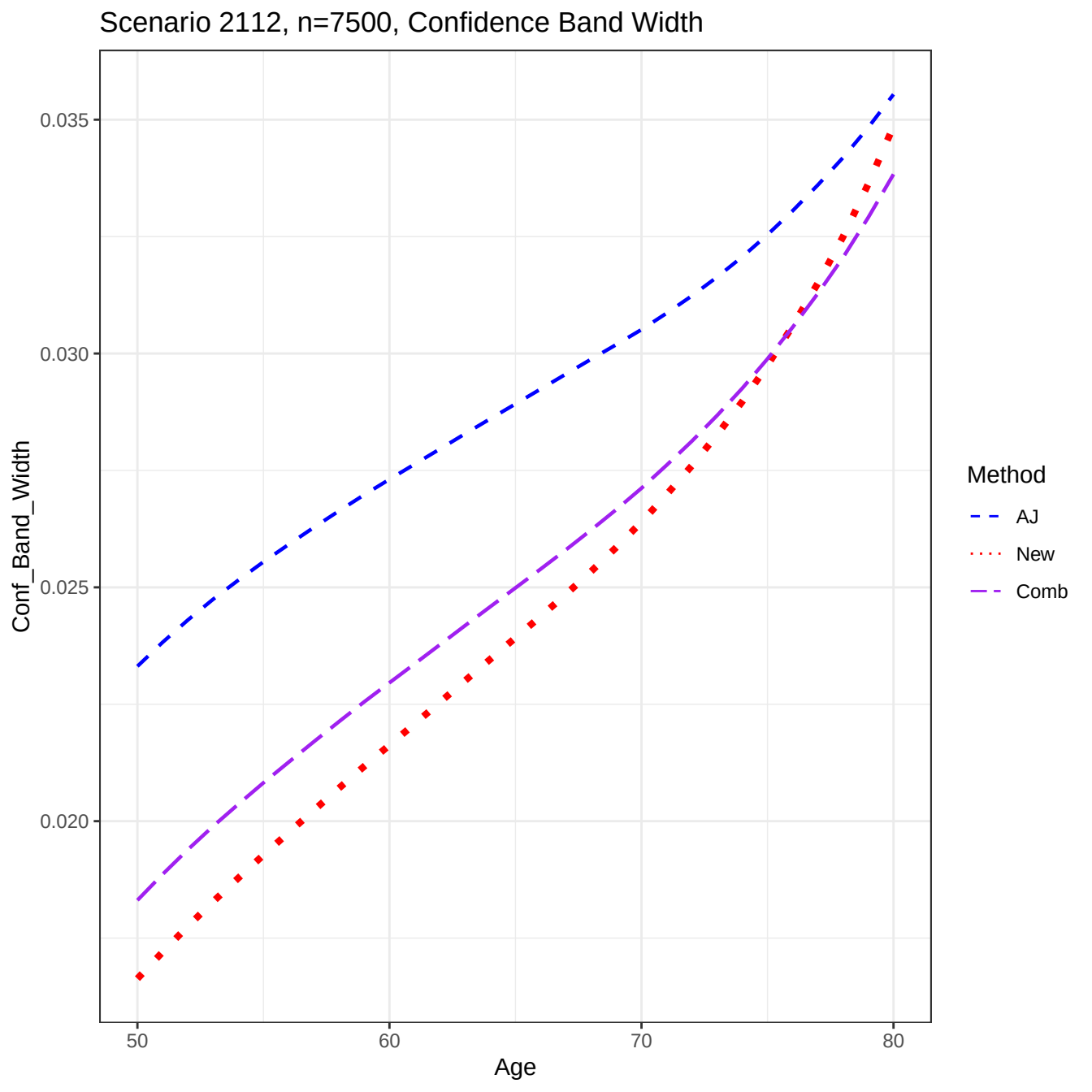
CONFIDENCE BAND COVERAGE RATES

Scenario: 2112

AJ: 0.929

new: 0.951

Combo: 0.946


Scenario 2112, n=7500, Confidence Band Width
0.035
0.030
0.025
0.020
Conf_Band_Width
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2121

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

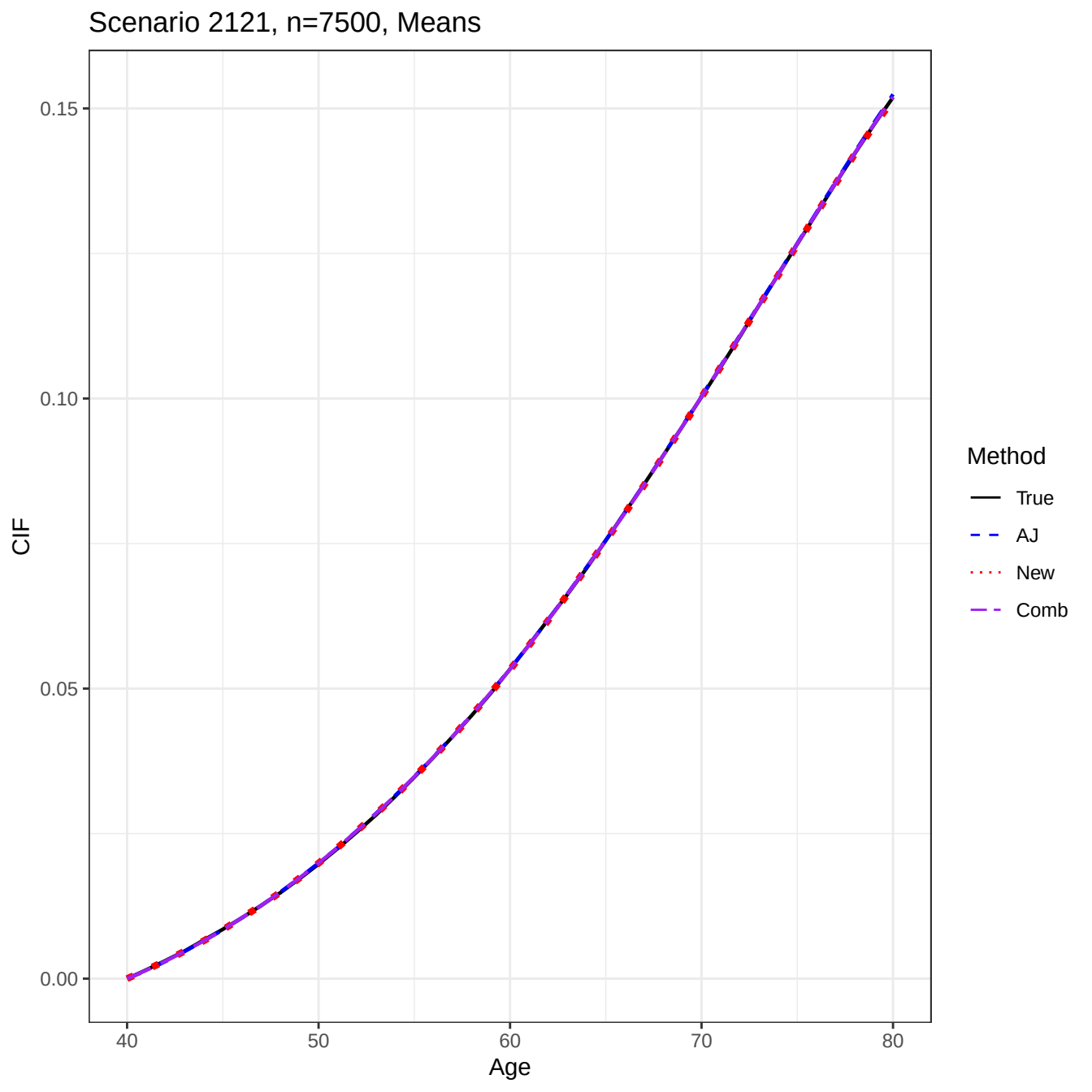
transformation: 0.5*pi − asin(sqrt(1−u))

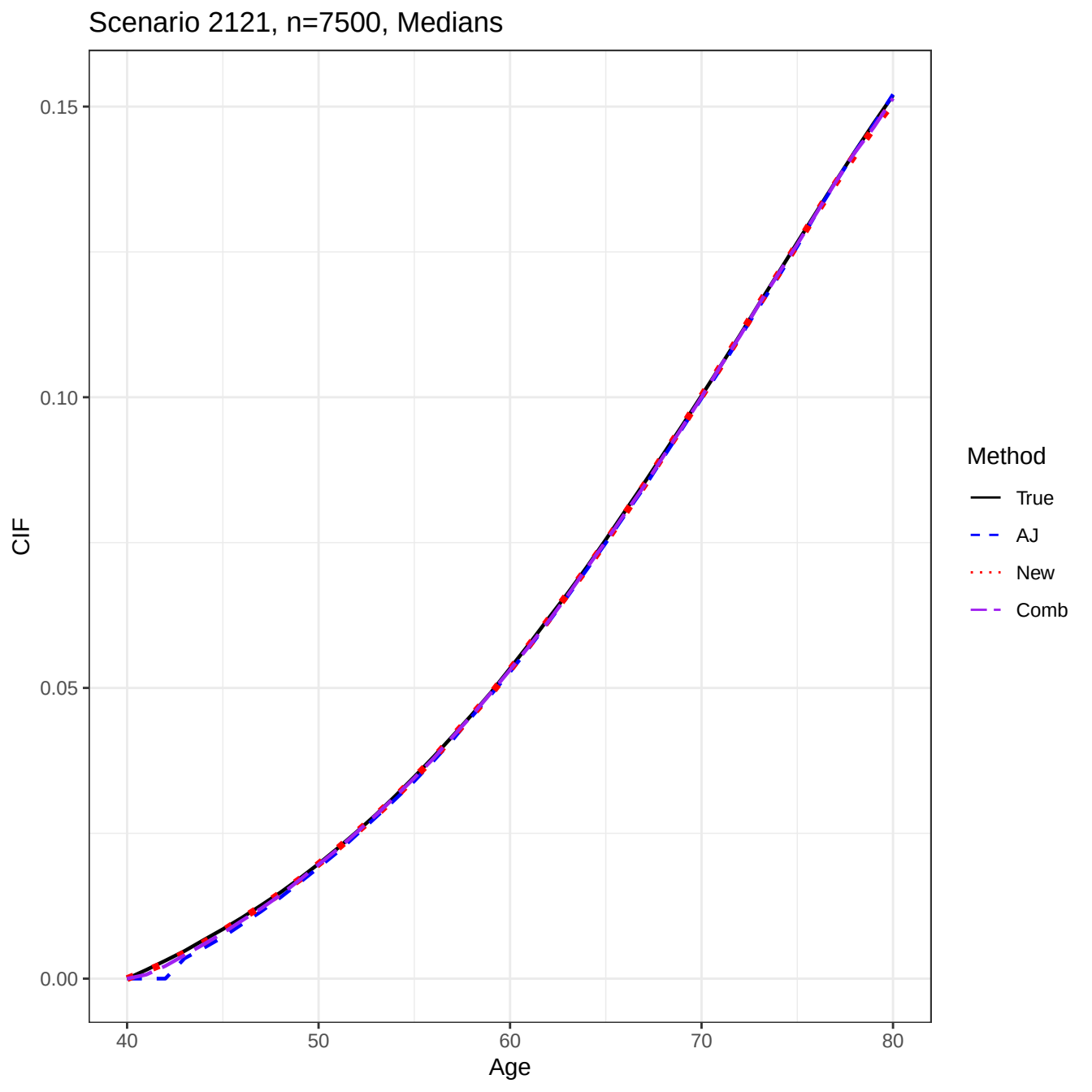
pointwise CI's done by: normal−theory

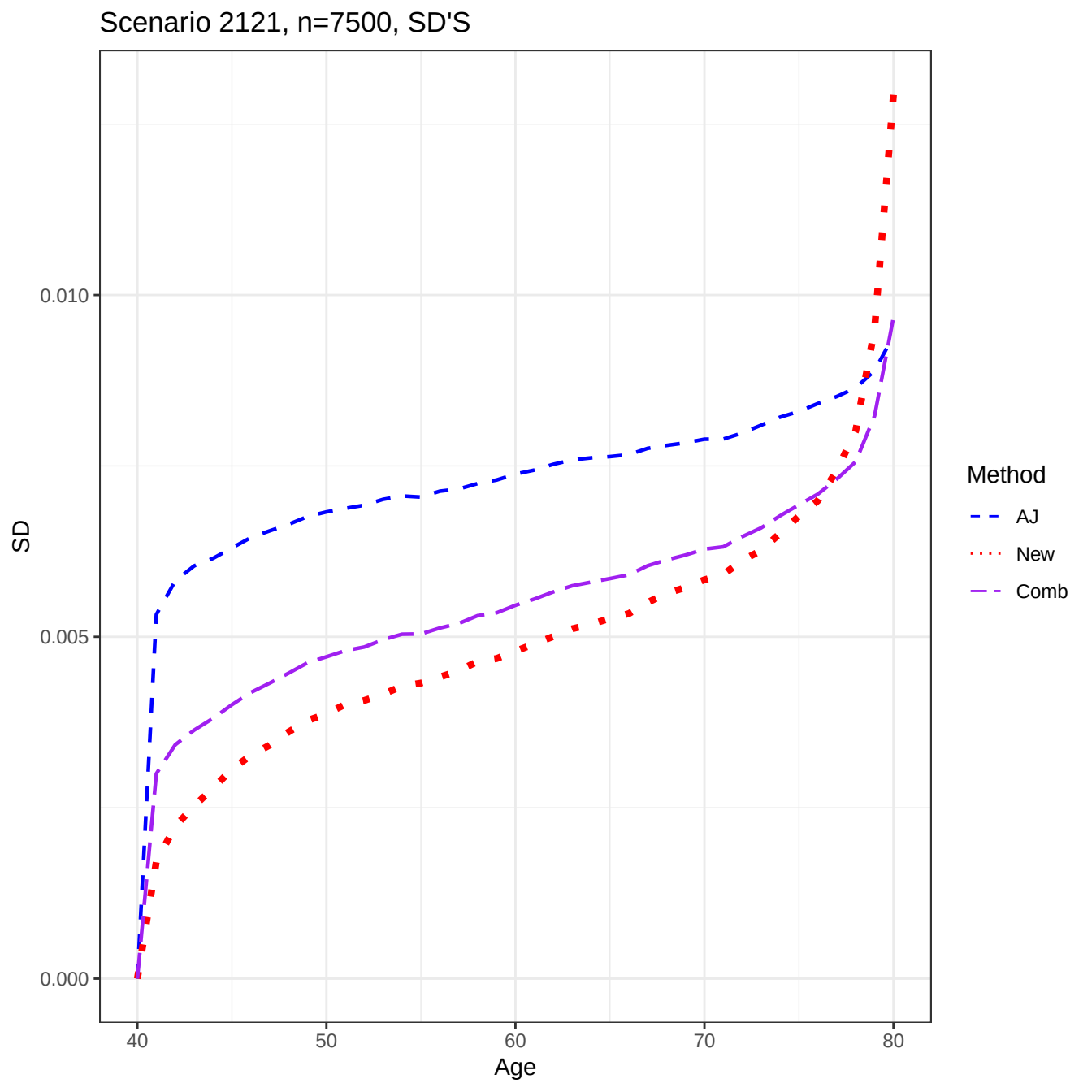
auxflg = FALSE

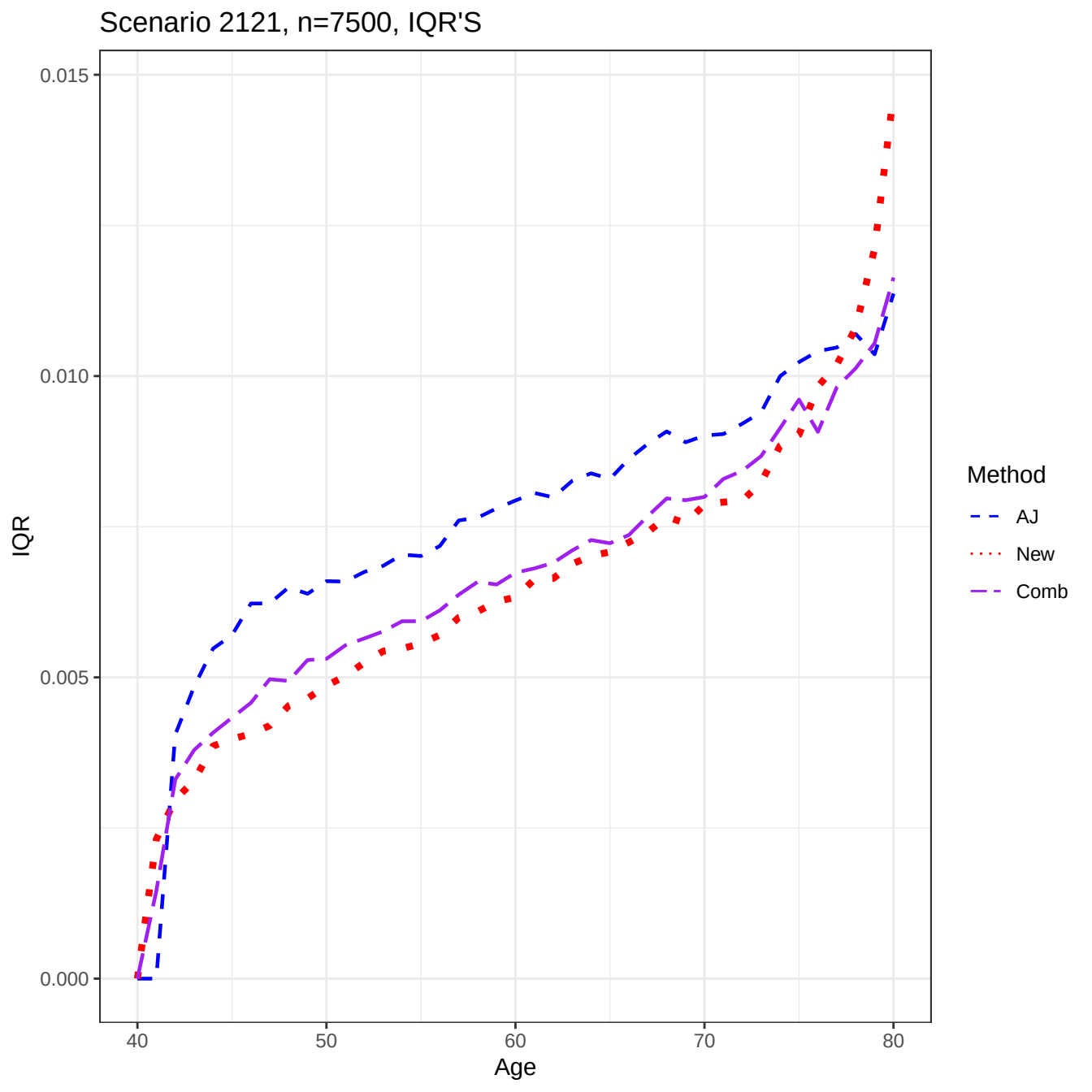
bootstrap weights: normal

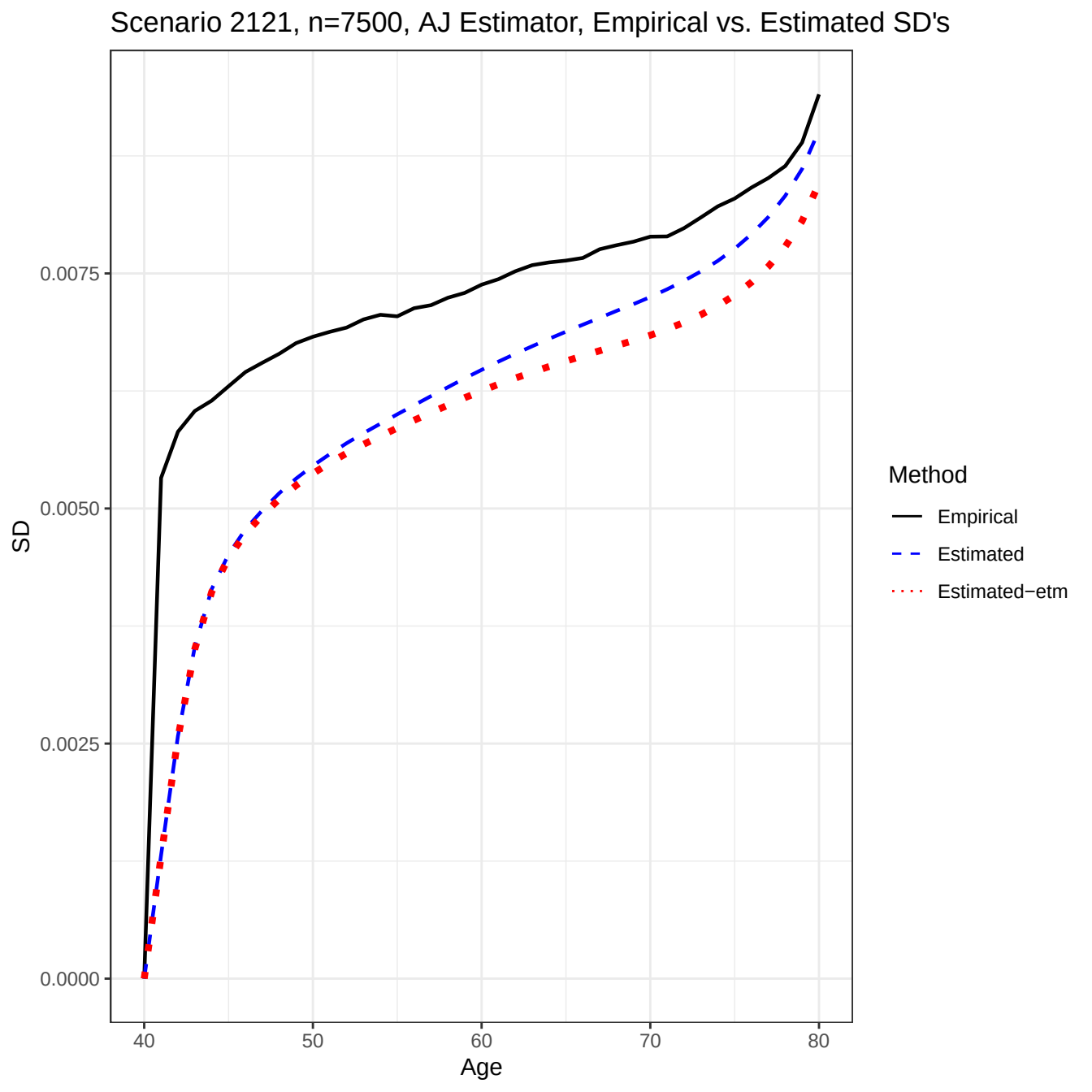
Date/Time: 2024−01−21 20:14:03.503396

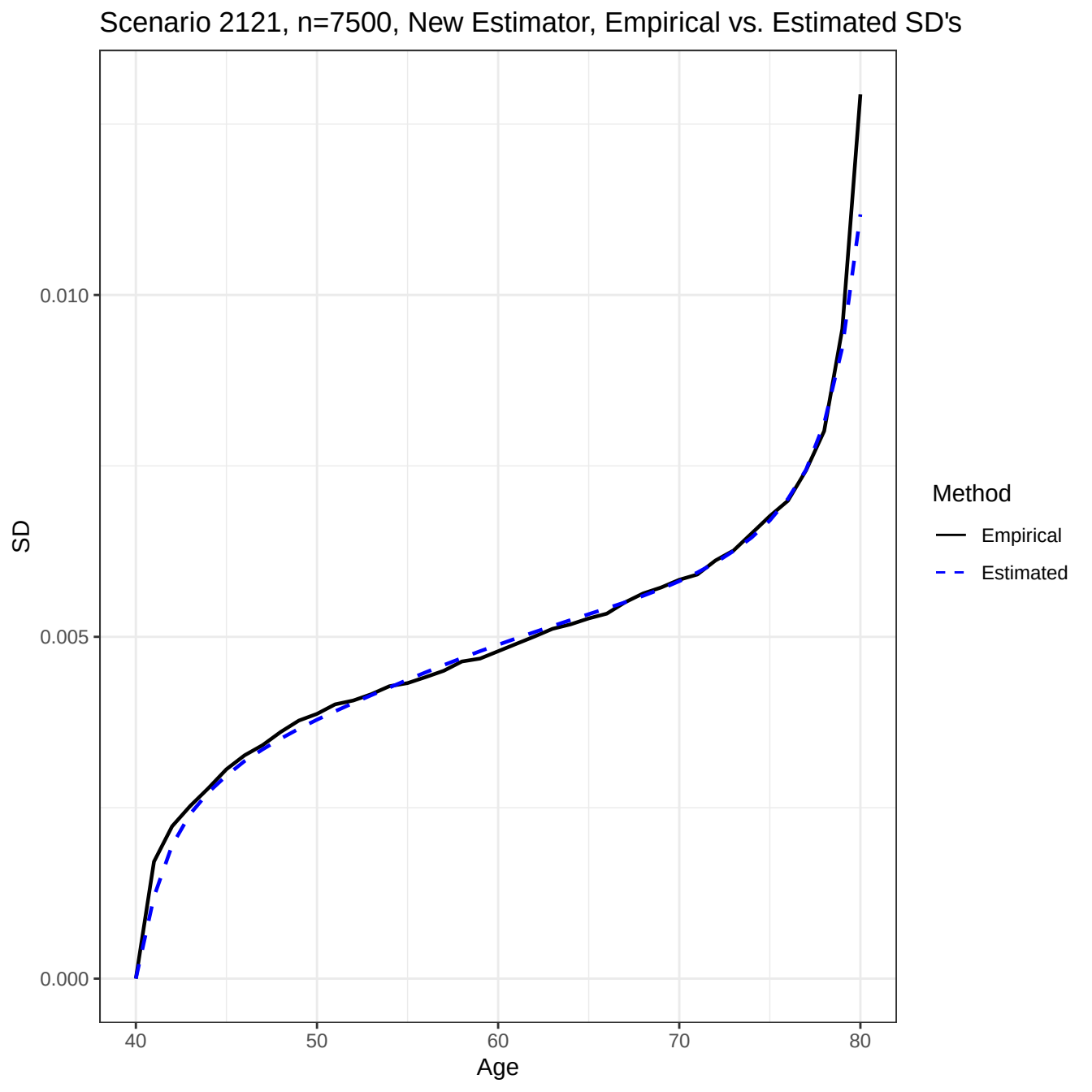

Scenario 2121, n=7500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

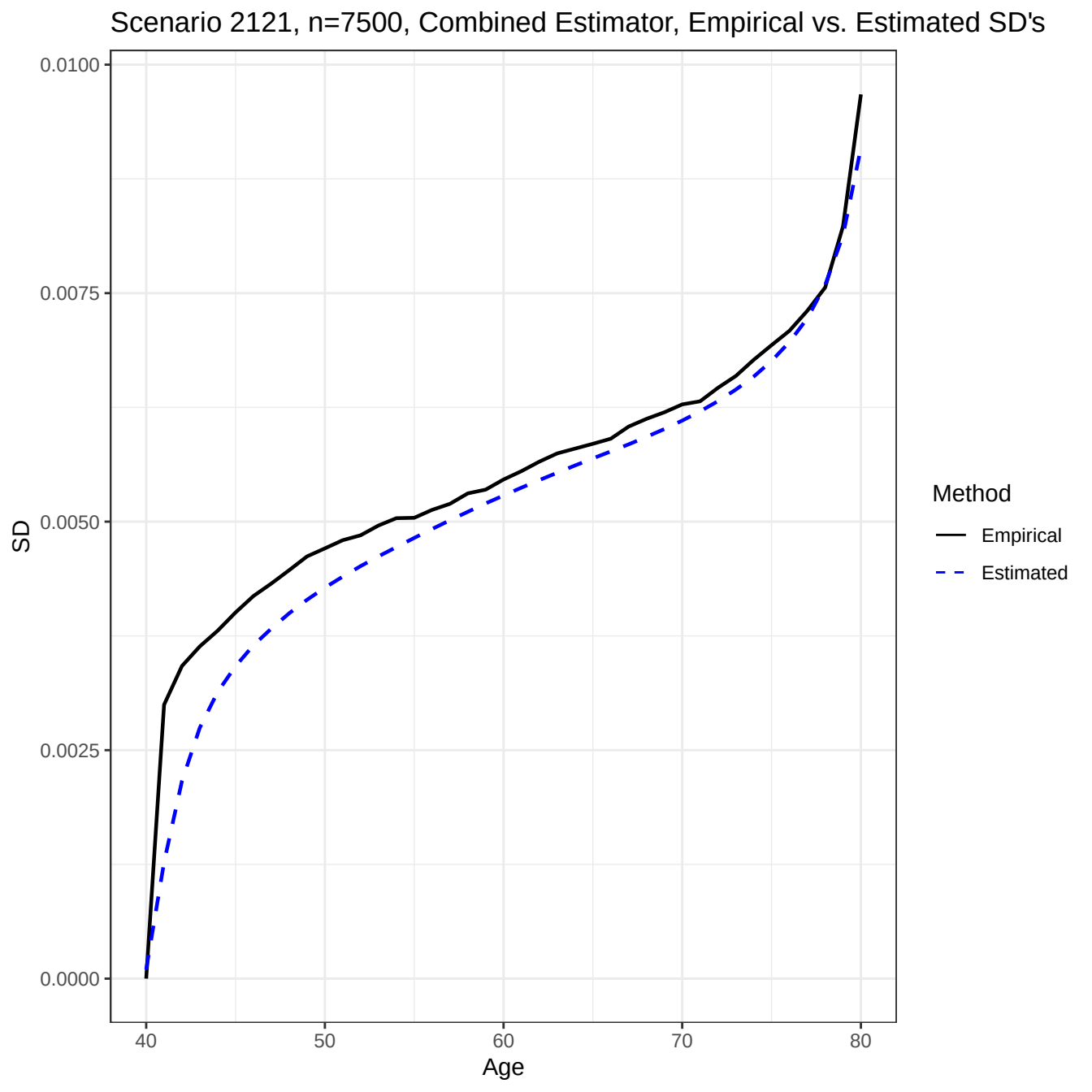

Scenario 2121, n=7500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

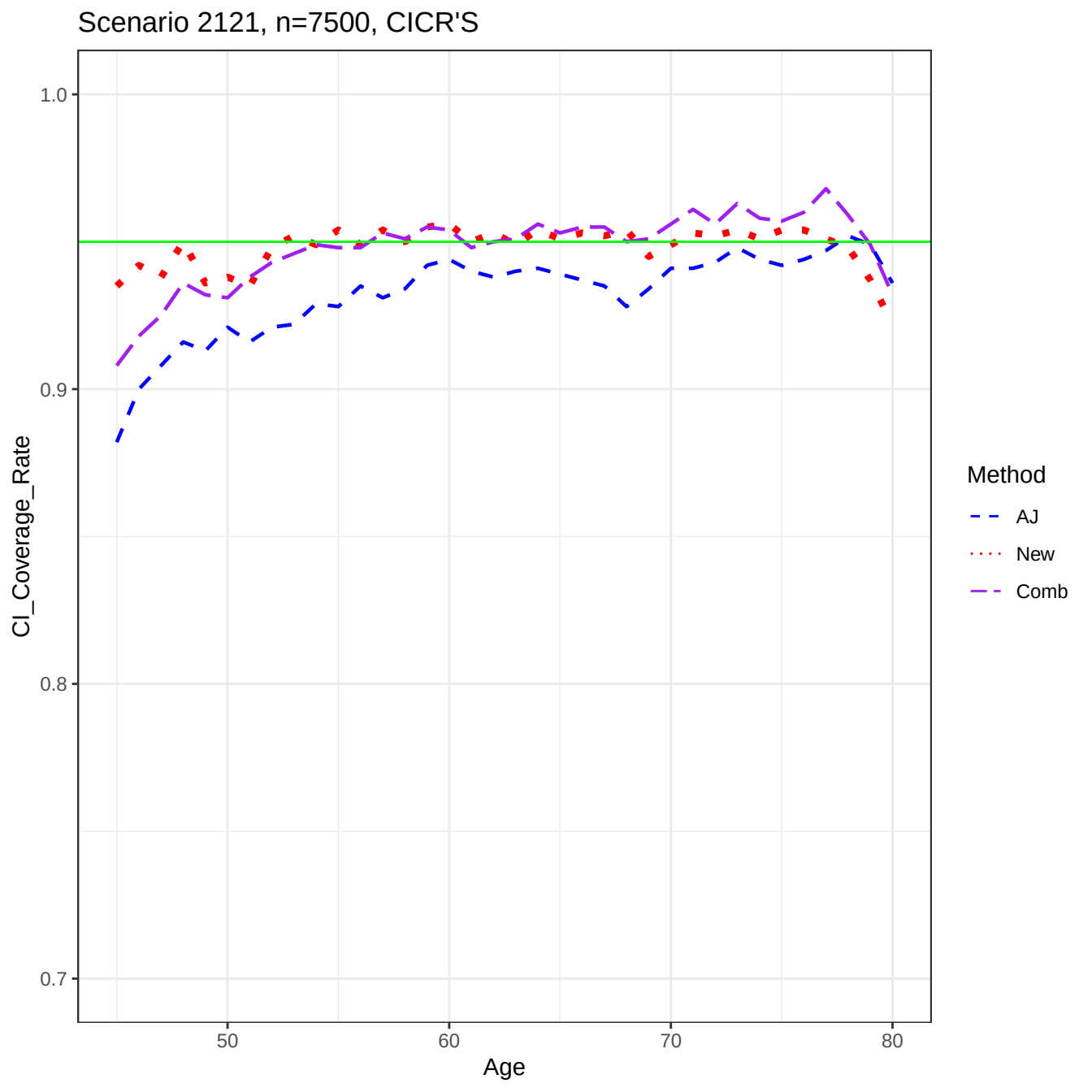

Scenario 2121, n=7500, SD'S
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

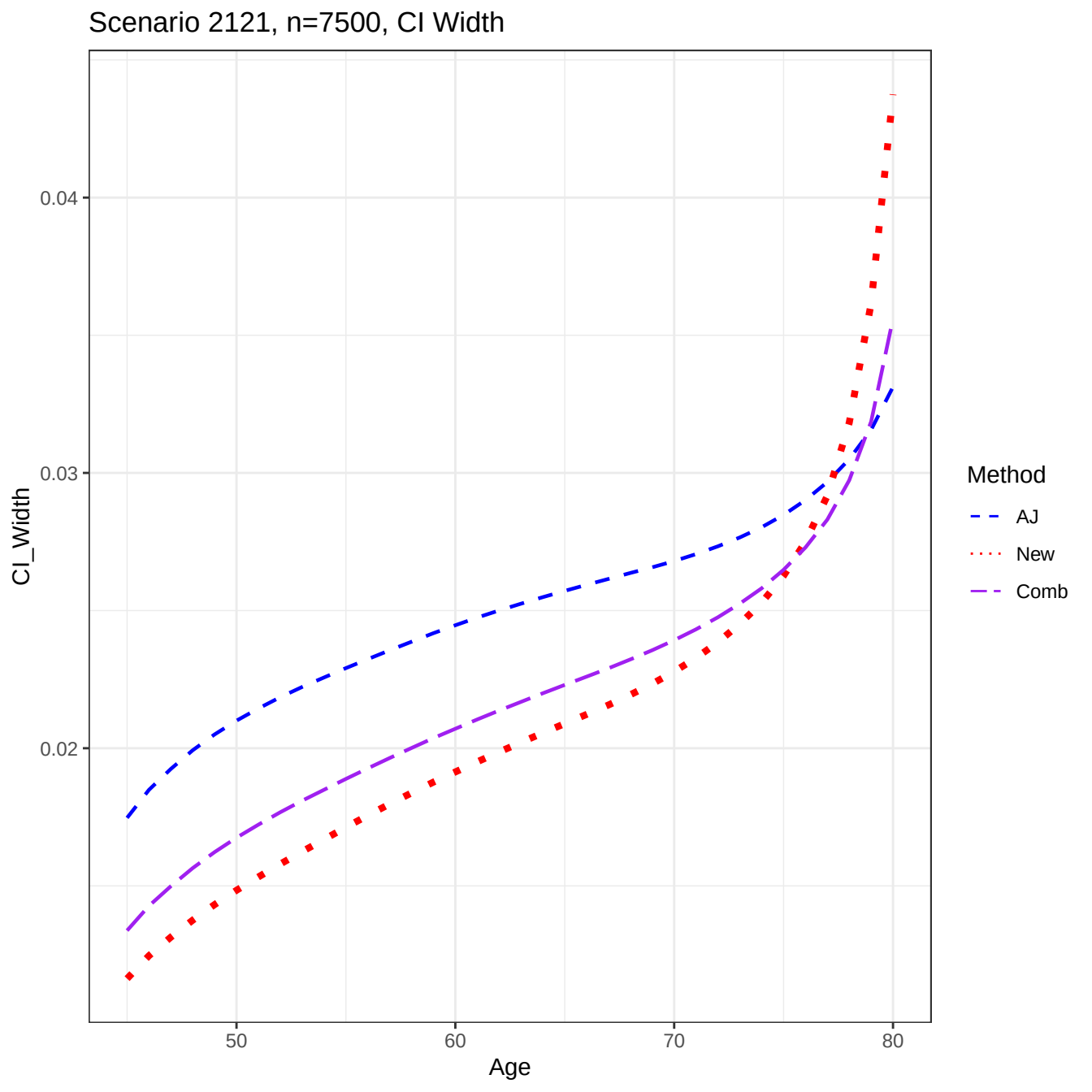

Scenario 2121, n=7500, IQR'S
0.015
0.010
0.005
0.000
IQR
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2121, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.0000
0.0025
0.0050
0.0075
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2121, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.010
0.005
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2121, n=7500, Combined Estimator, Empirical vs. Estimated SD's
0.0100
0.0075
0.0050
0.0025
0.0000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2121, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2121, n=7500, CI Width
CI_Width
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

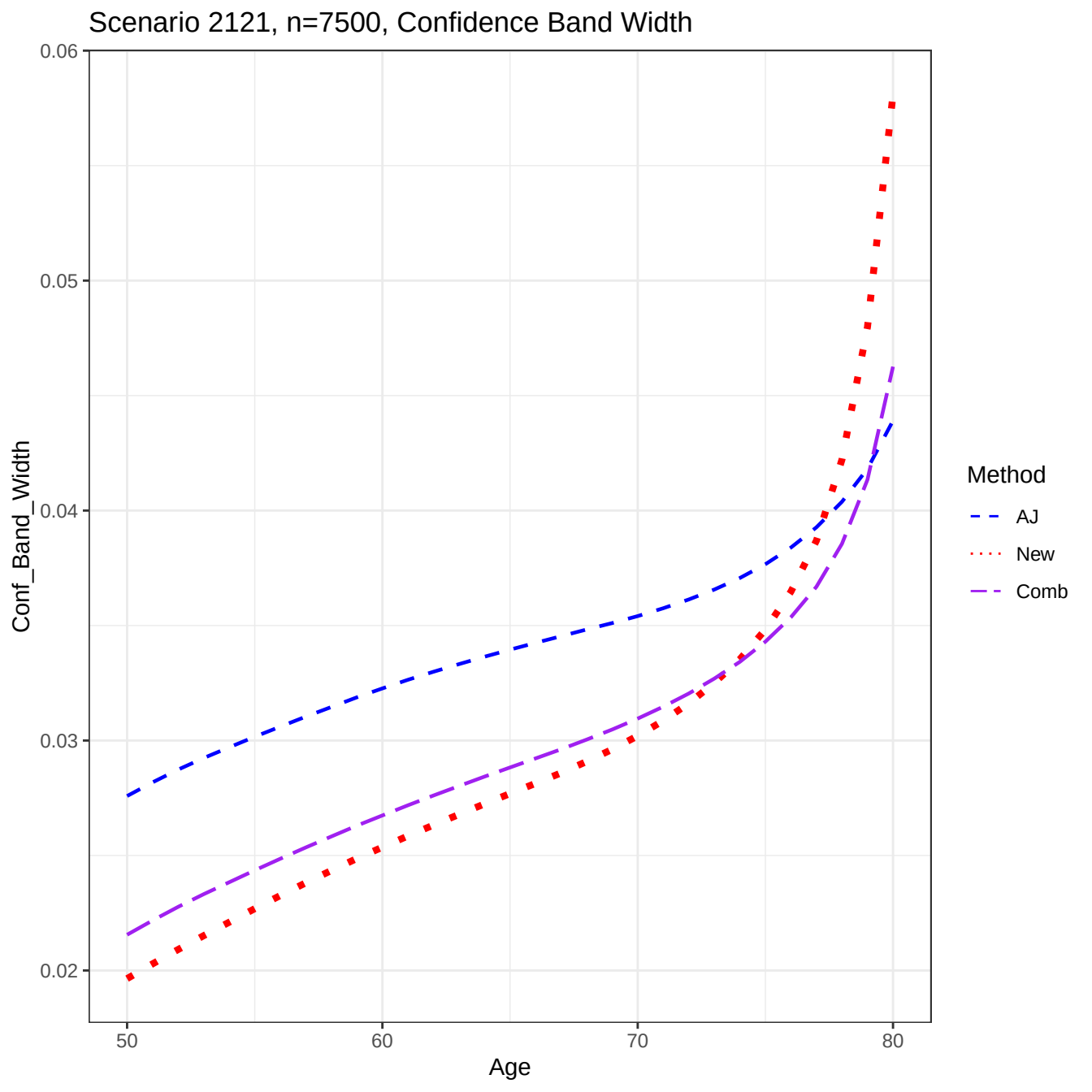
CONFIDENCE BAND COVERAGE RATES

Scenario: 2121

AJ: 0.932

new: 0.916

Combo: 0.937


Scenario 2121, n=7500, Confidence Band Width
Conf_Band_Width
0.06
0.05
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2122

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

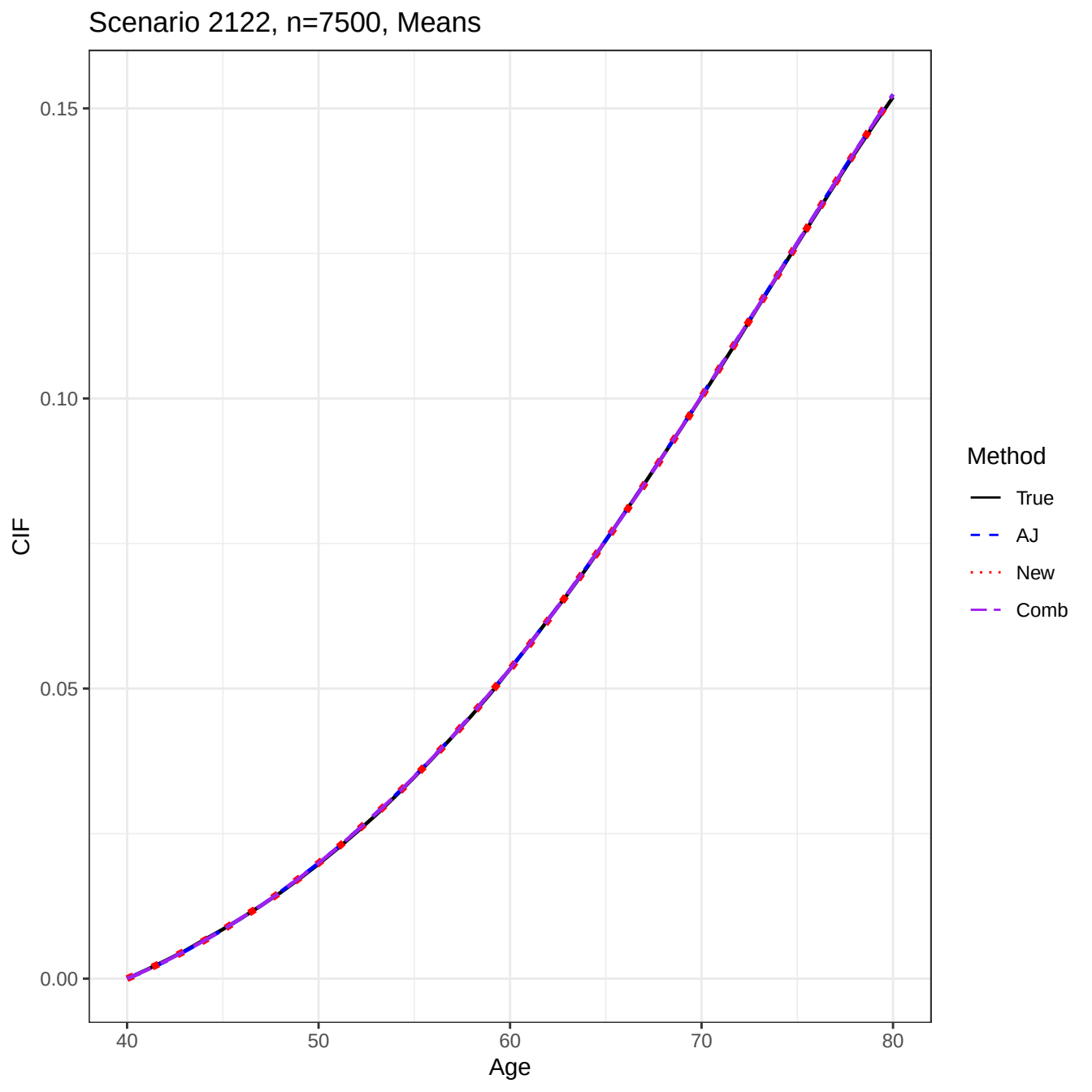
transformation: 0.5*pi − asin(sqrt(1−u))

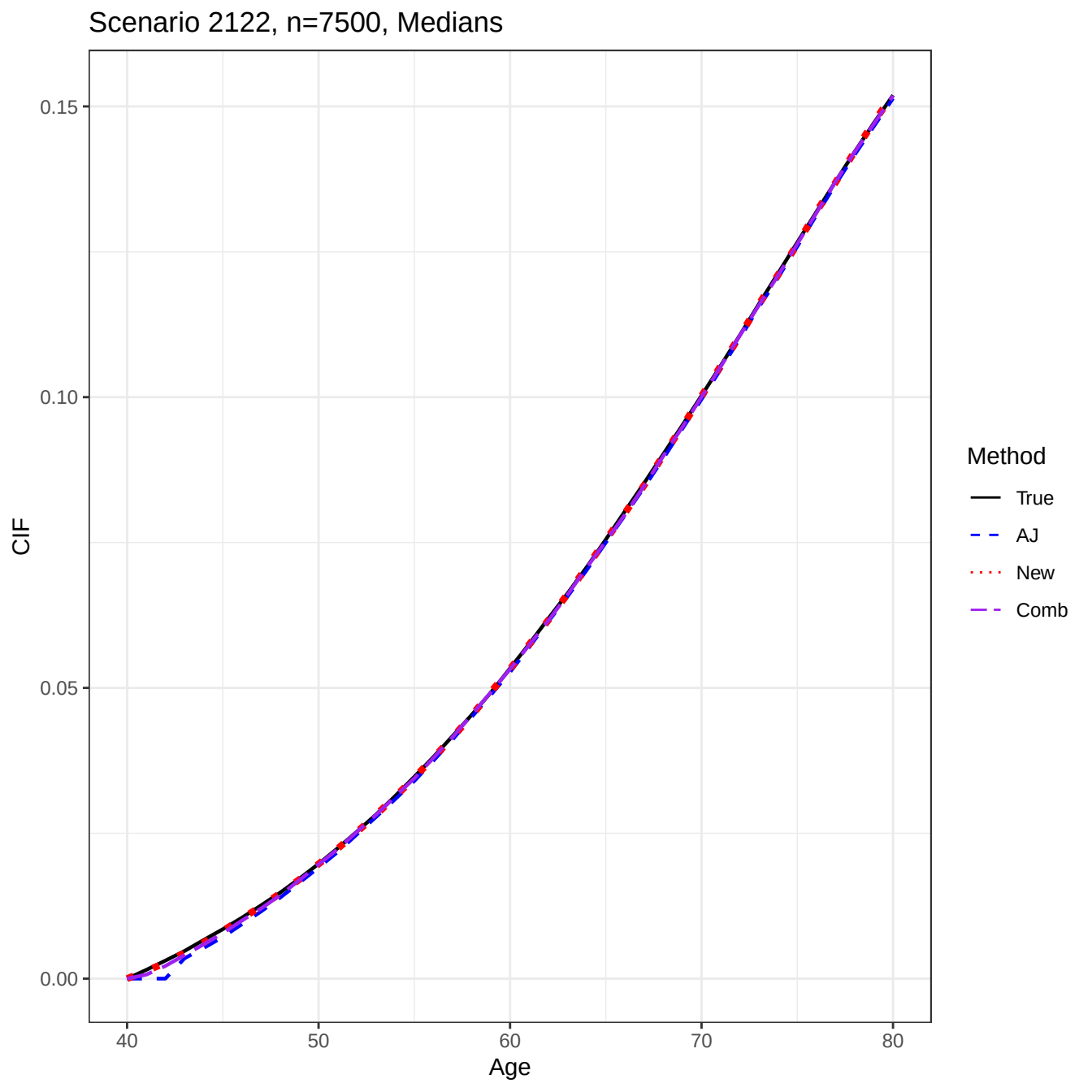
pointwise CI's done by: normal−theory

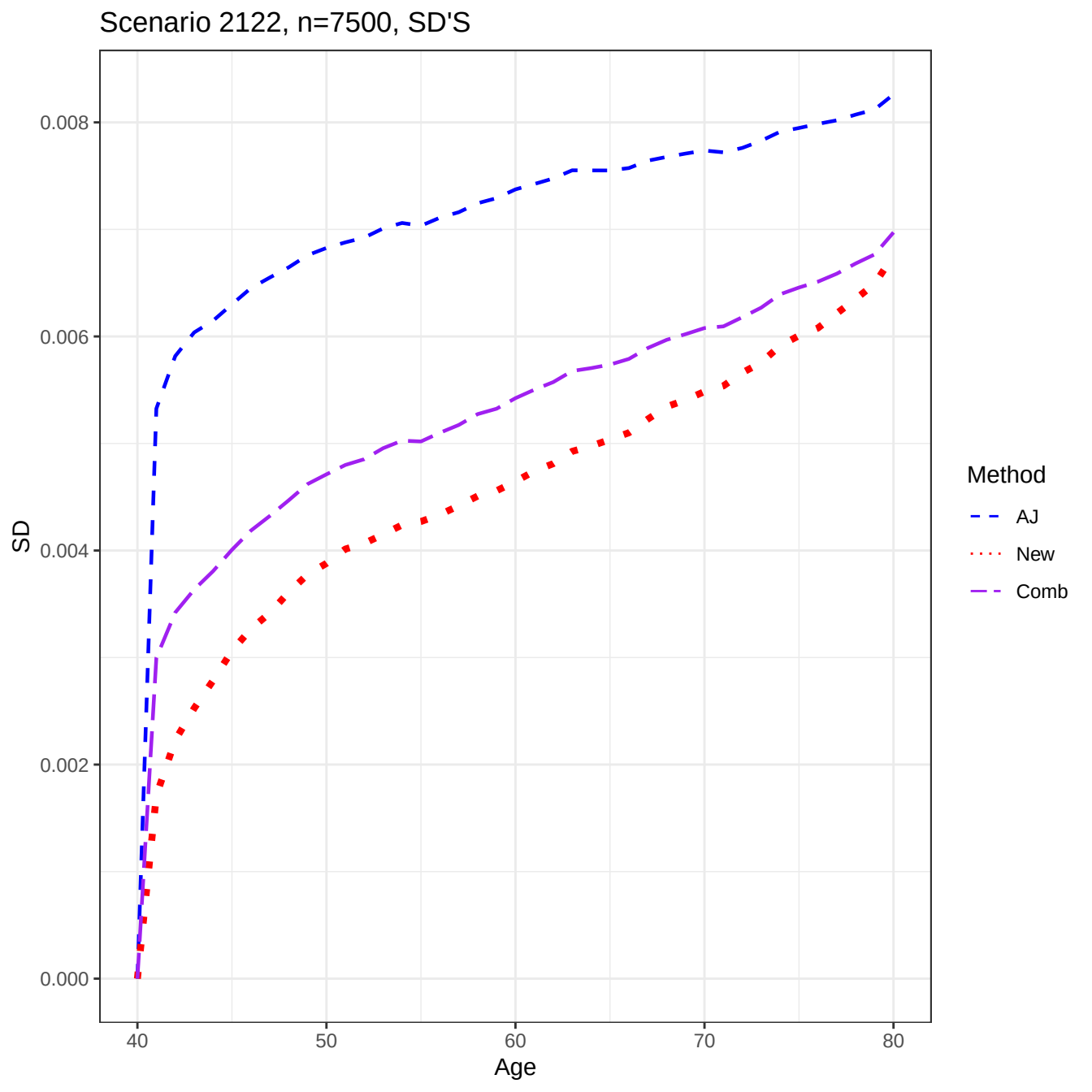
auxflg = FALSE

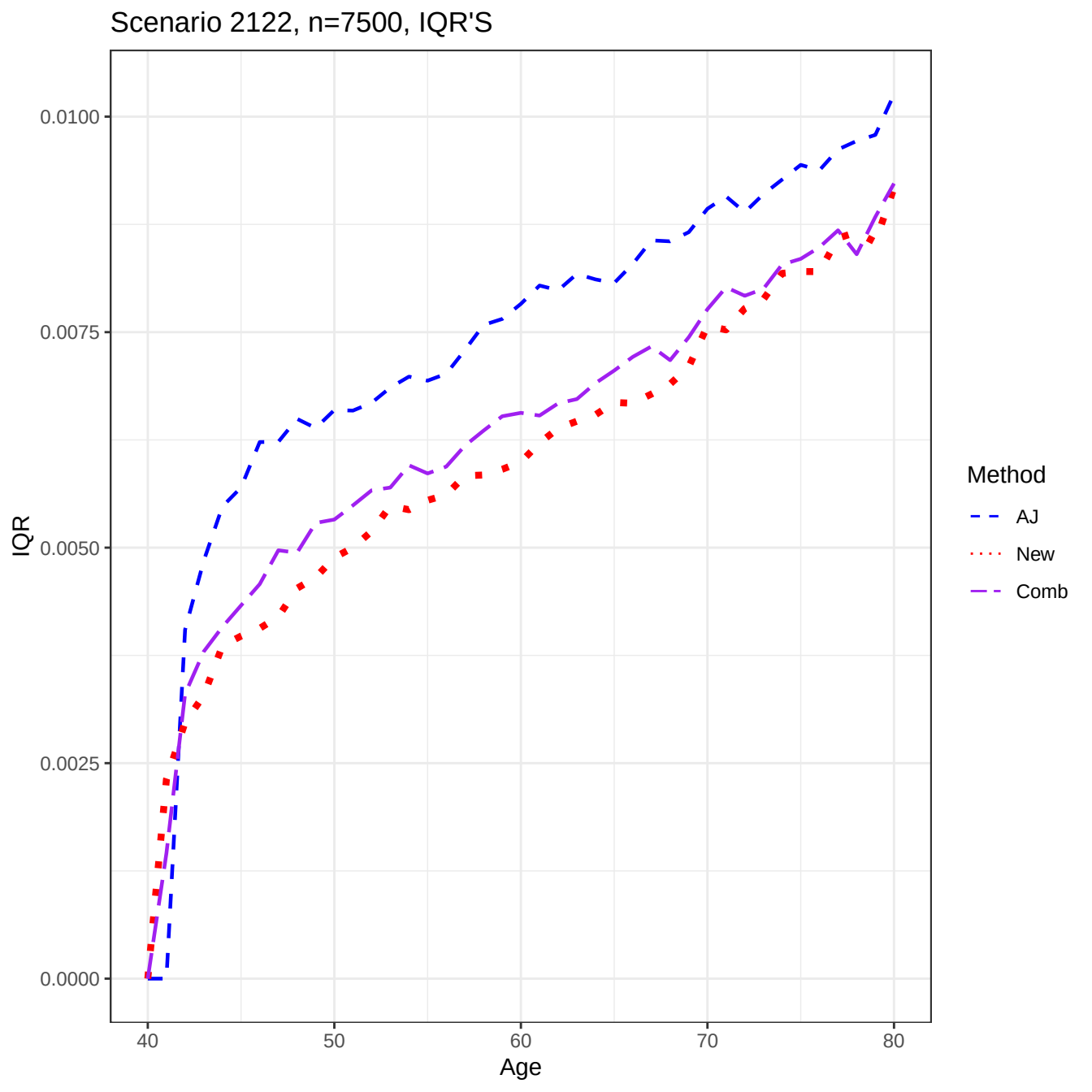
bootstrap weights: normal

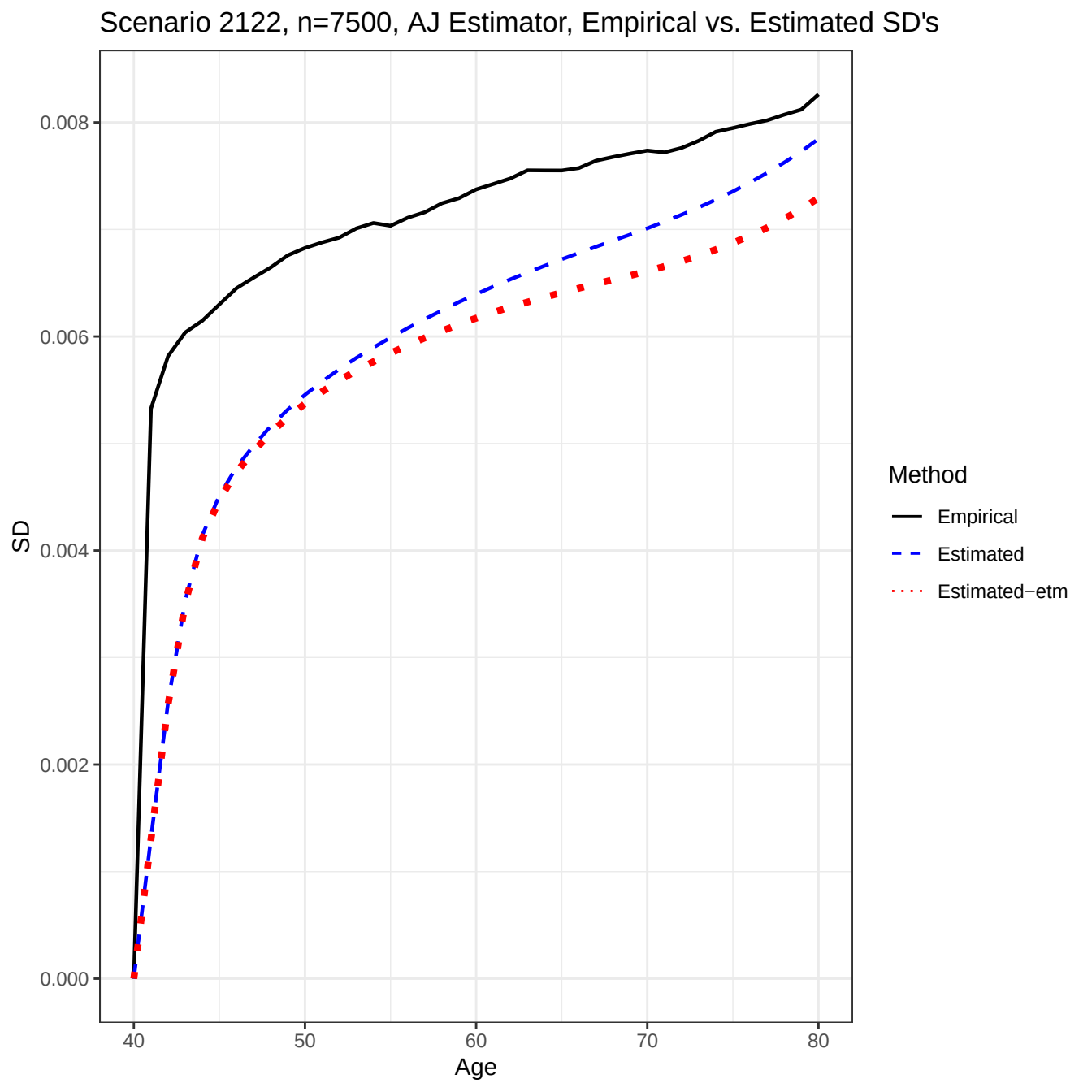
Date/Time: 2024−01−21 23:17:19.677967

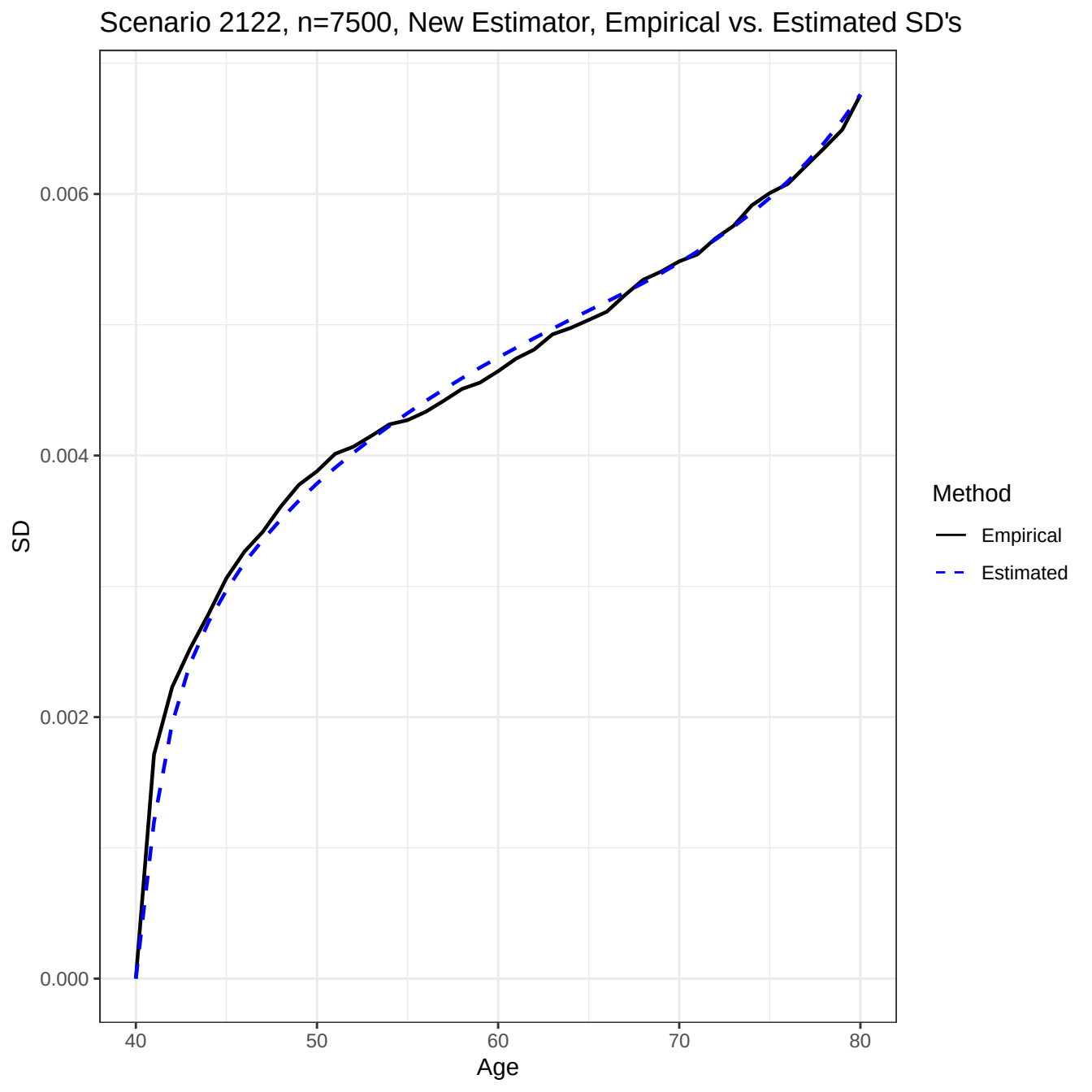

Scenario 2122, n=7500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

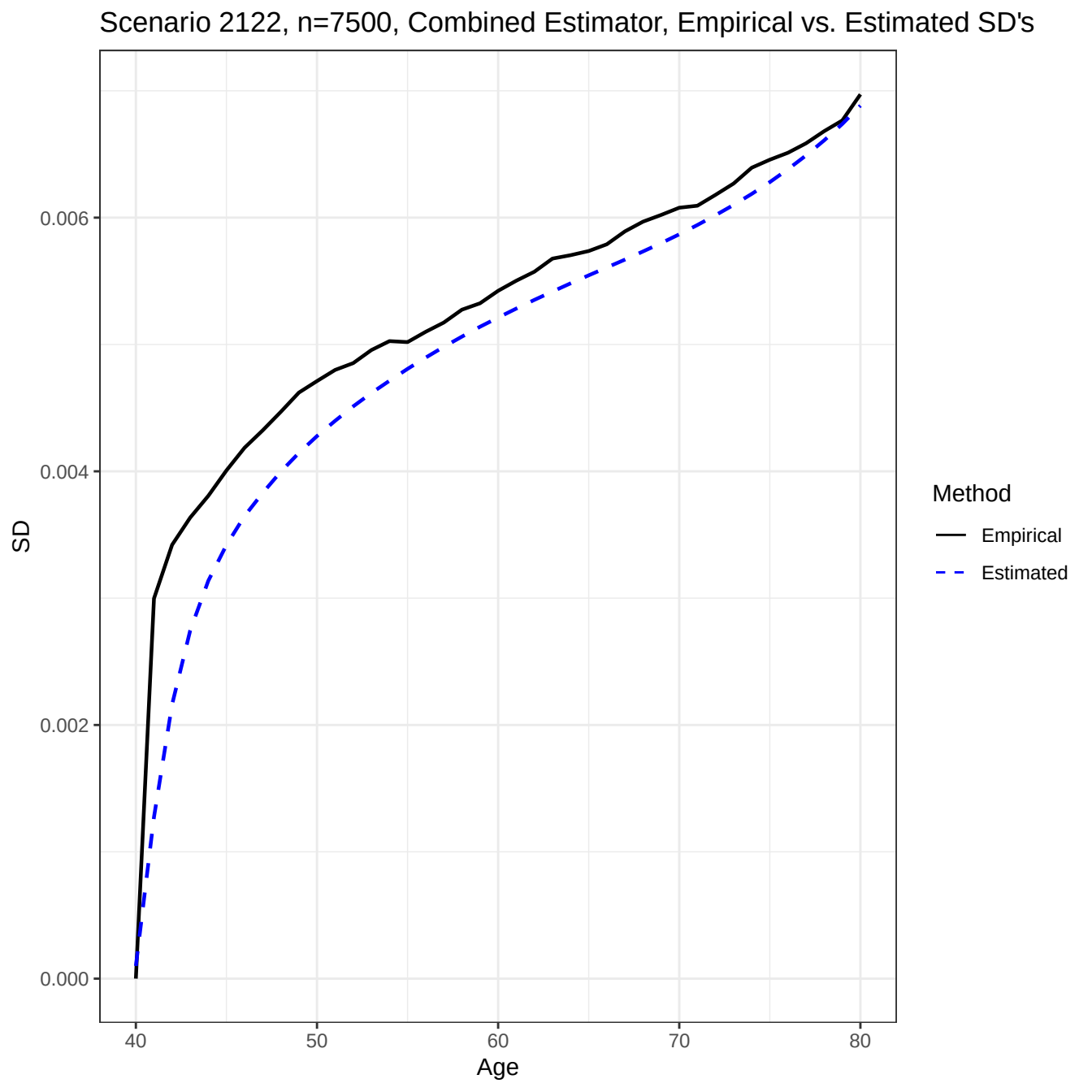

Scenario 2122, n=7500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

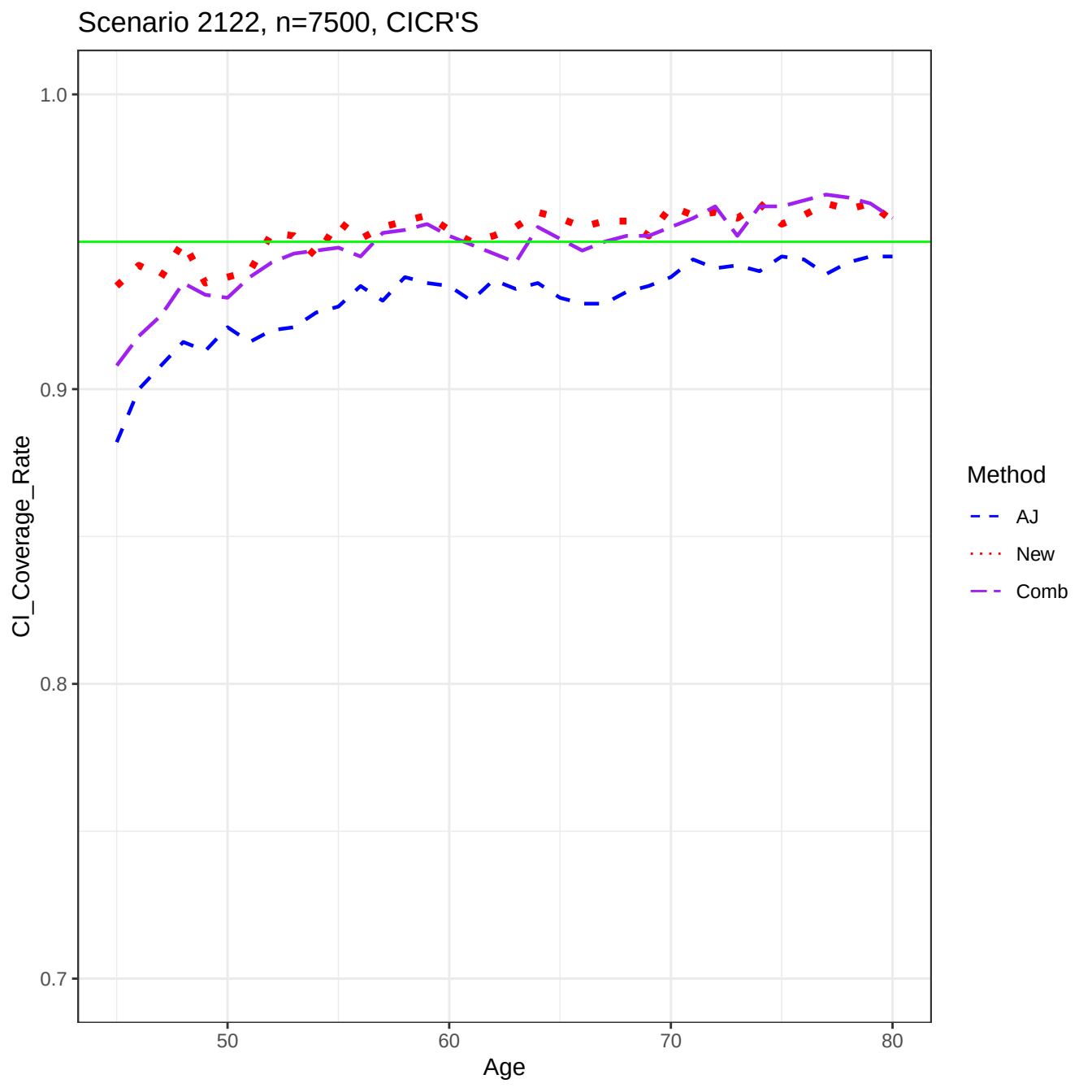

Scenario 2122, n=7500, SD'S
0.008
0.006
0.004
0.002
0.000
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

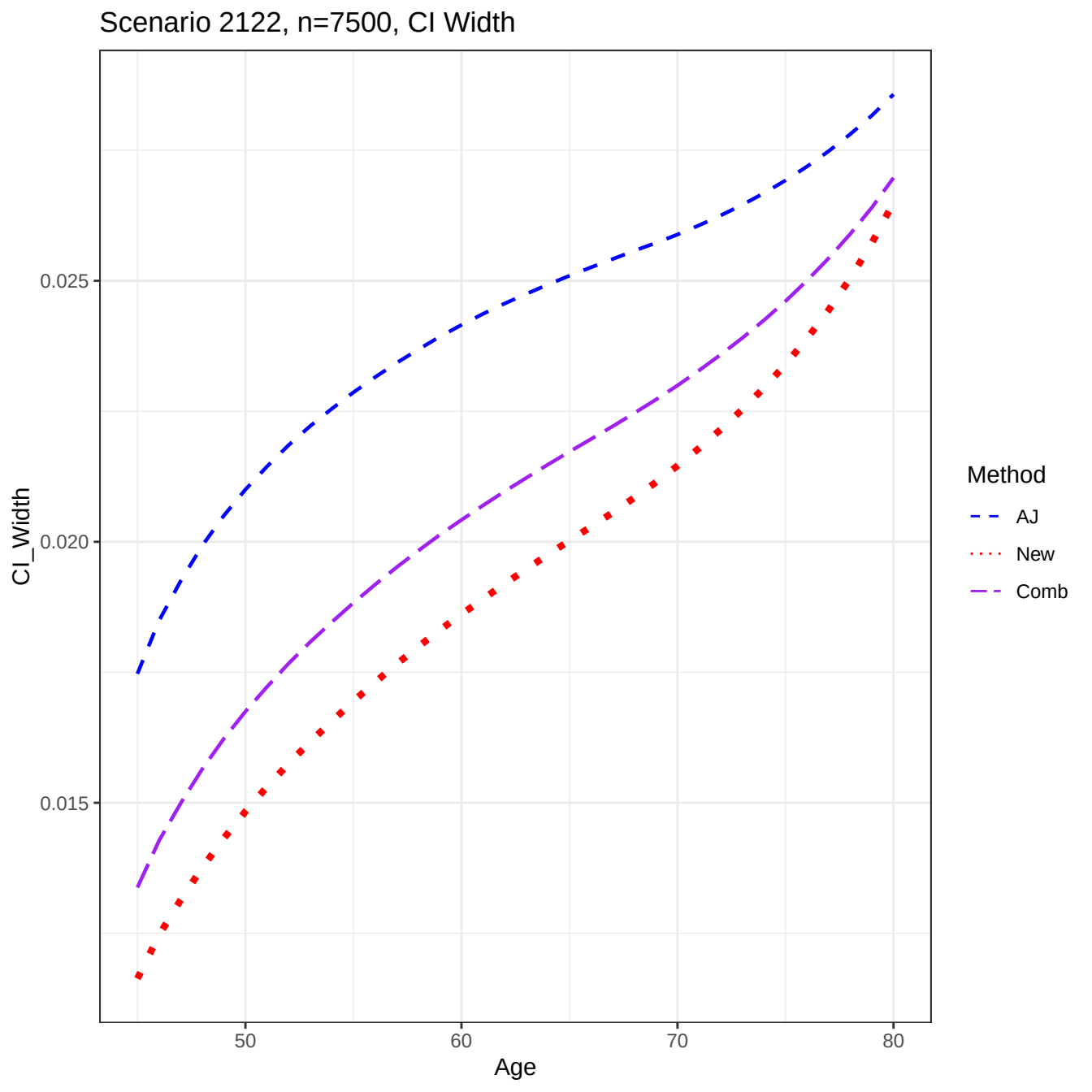

Scenario 2122, n=7500, IQR'S
IQR
0.0100
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2122, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.008
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2122, n=7500, New Estimator, Empirical vs. Estimated SD's
0.006
0.004
0.002
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2122, n=7500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.000
0.002
0.004
0.006
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2122, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2122, n=7500, CI Width
0.025
0.020
0.015
CI_Width
50
60
70
80
Age
Method
AJ
New
Comb

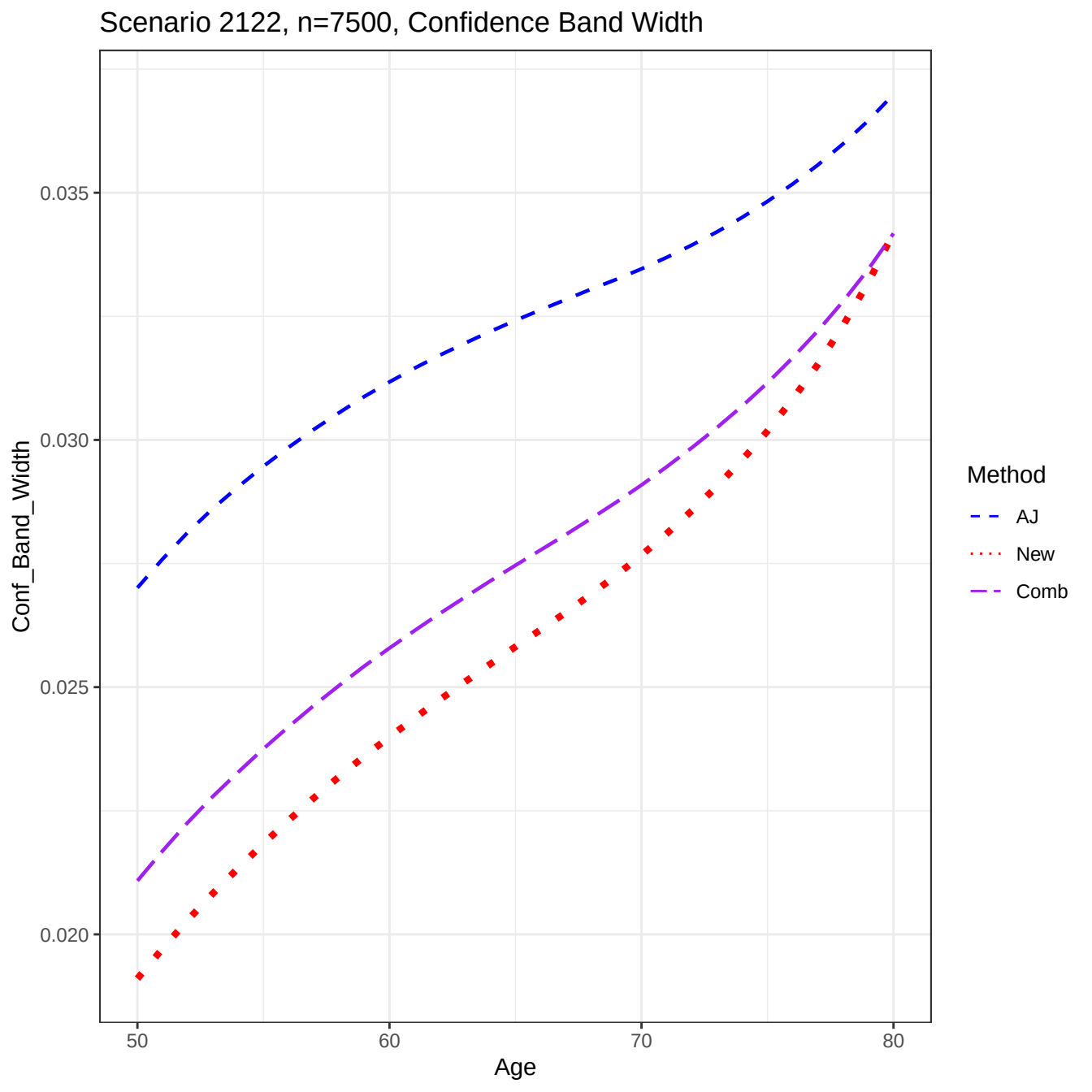
CONFIDENCE BAND COVERAGE RATES

Scenario: 2122

AJ: 0.934

new: 0.948

Combo: 0.942


Scenario 2122, n=7500, Confidence Band Width
Conf_Band_Width
0.035
0.030
0.025
0.020
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2211

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

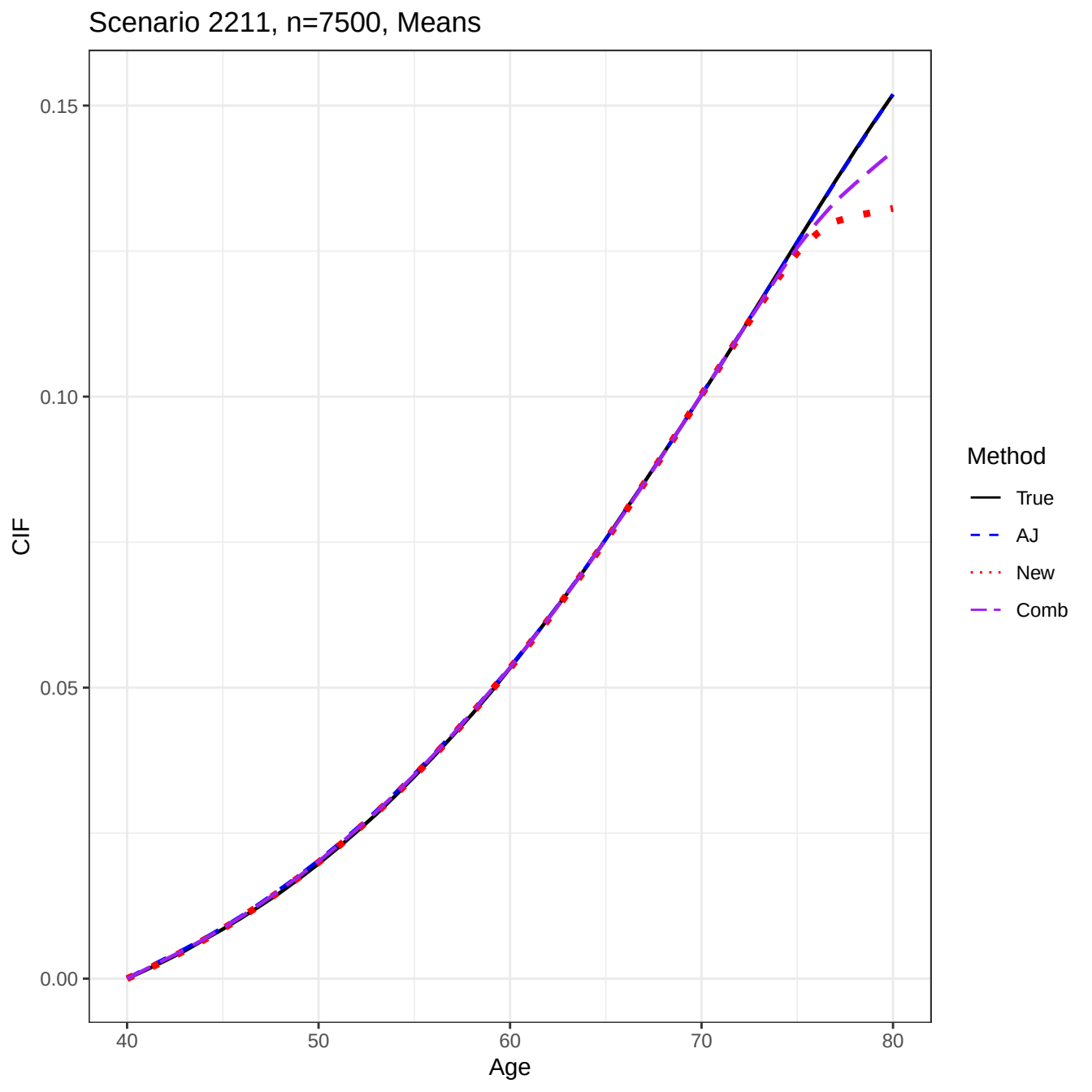
transformation: 0.5*pi − asin(sqrt(1−u))

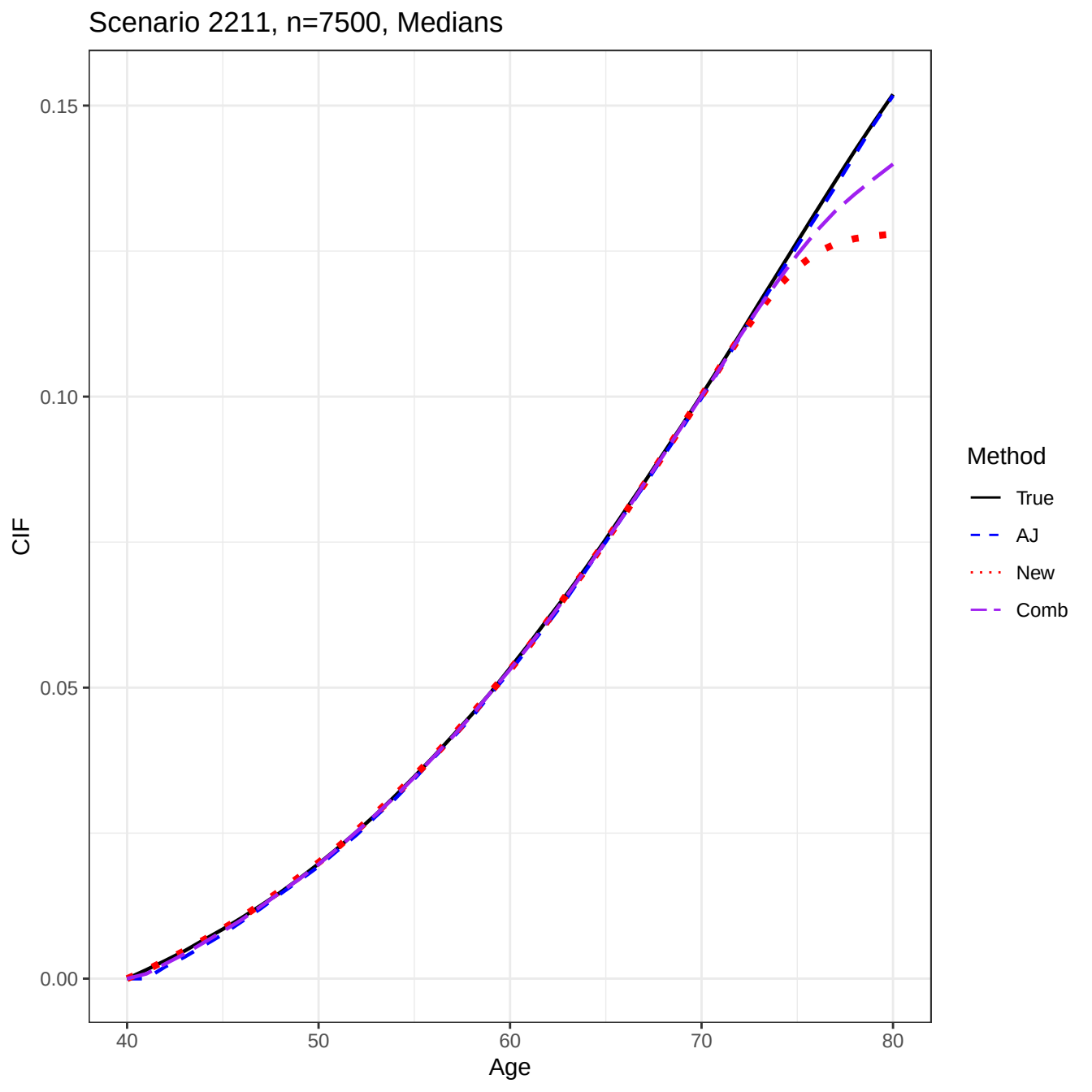
pointwise CI's done by: normal−theory

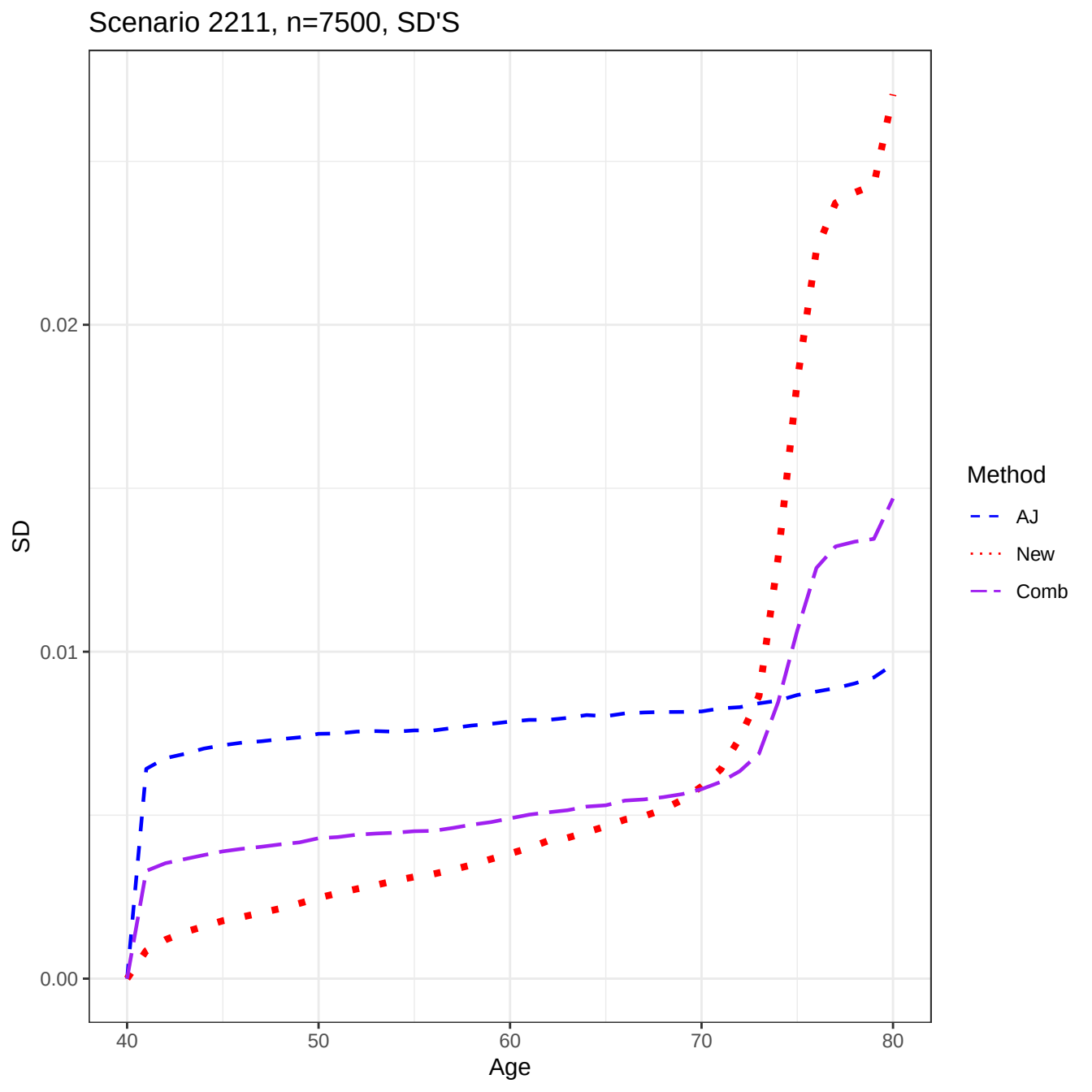
auxflg = FALSE

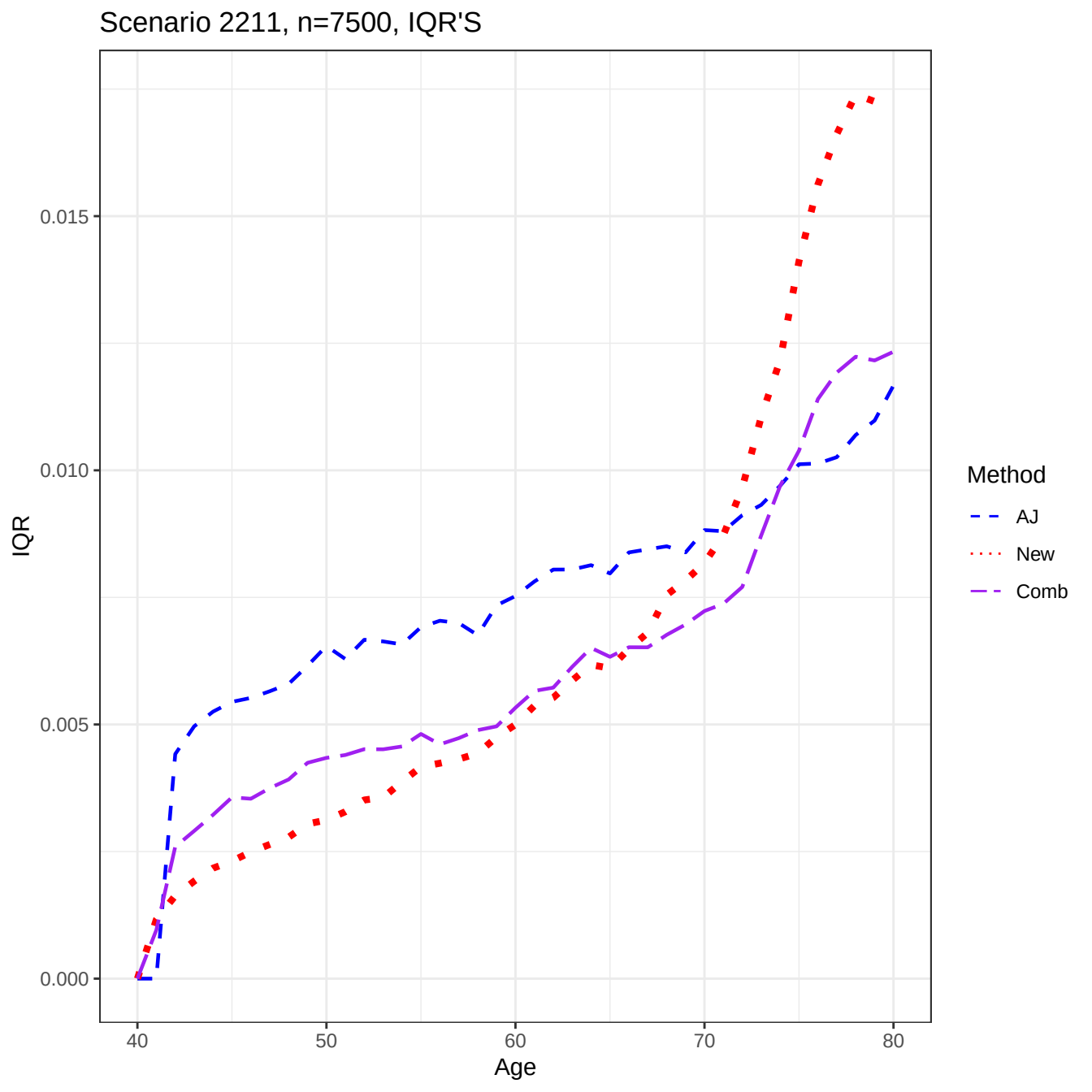
bootstrap weights: normal

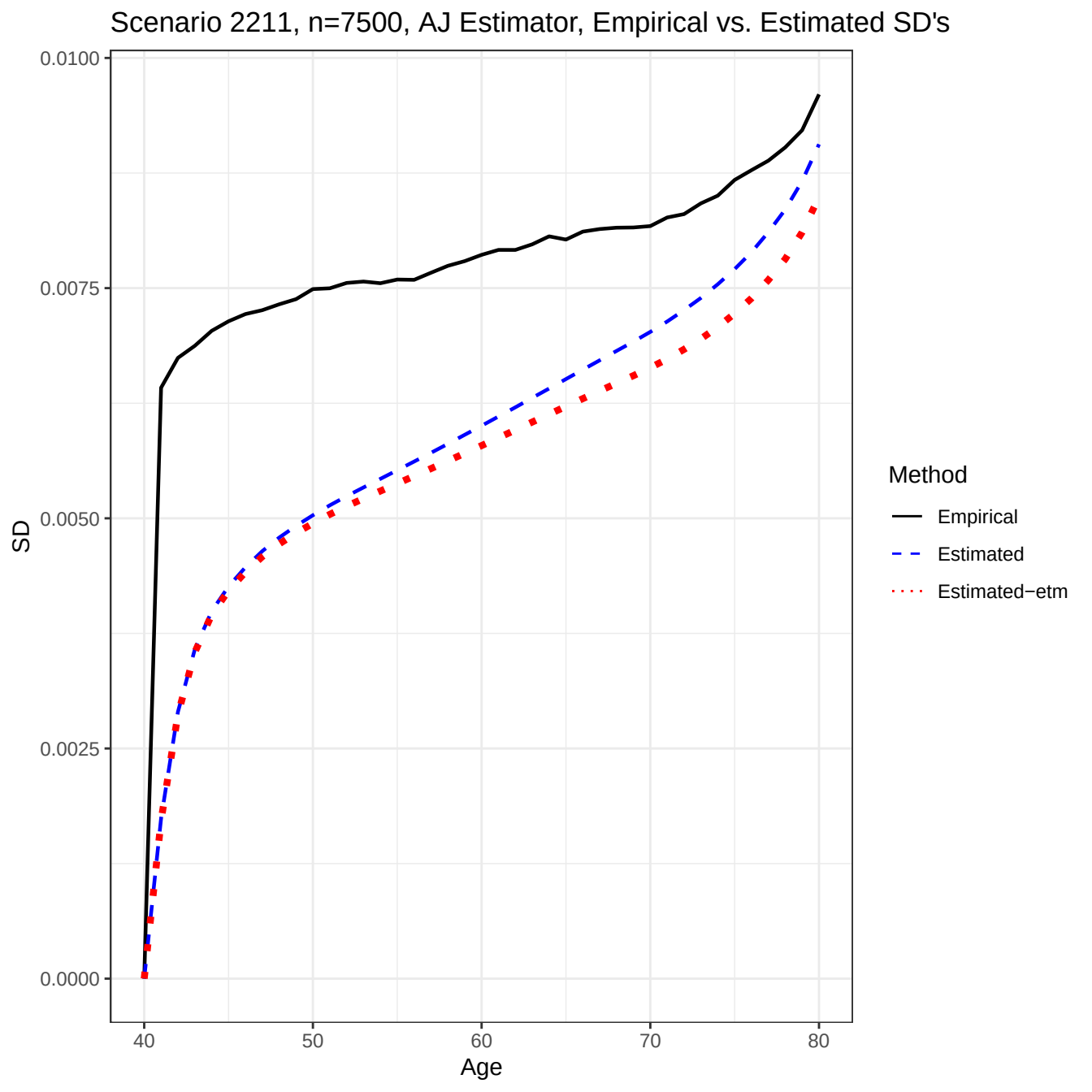
Date/Time: 2024−01−22 12:00:09.532255

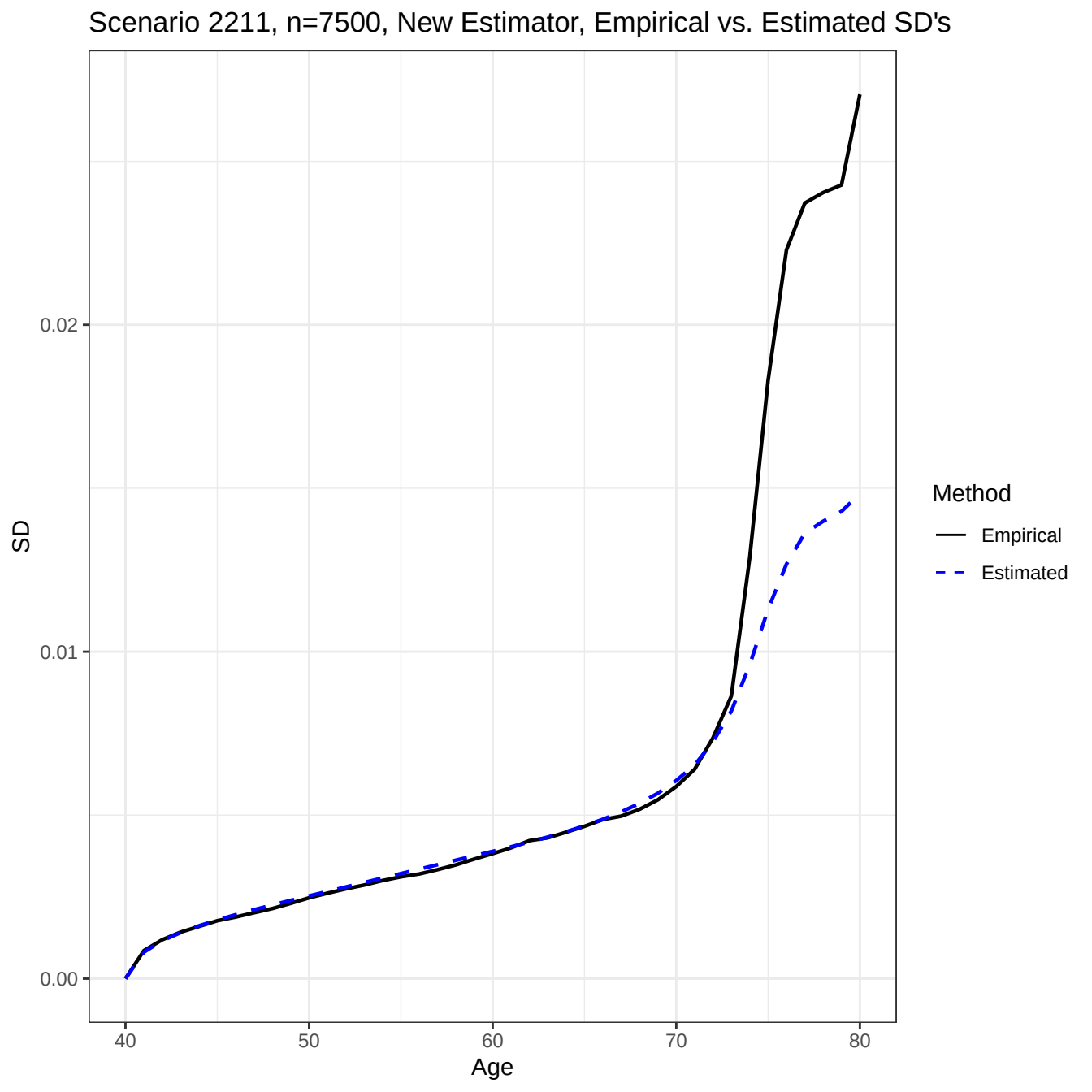

Scenario 2211, n=7500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

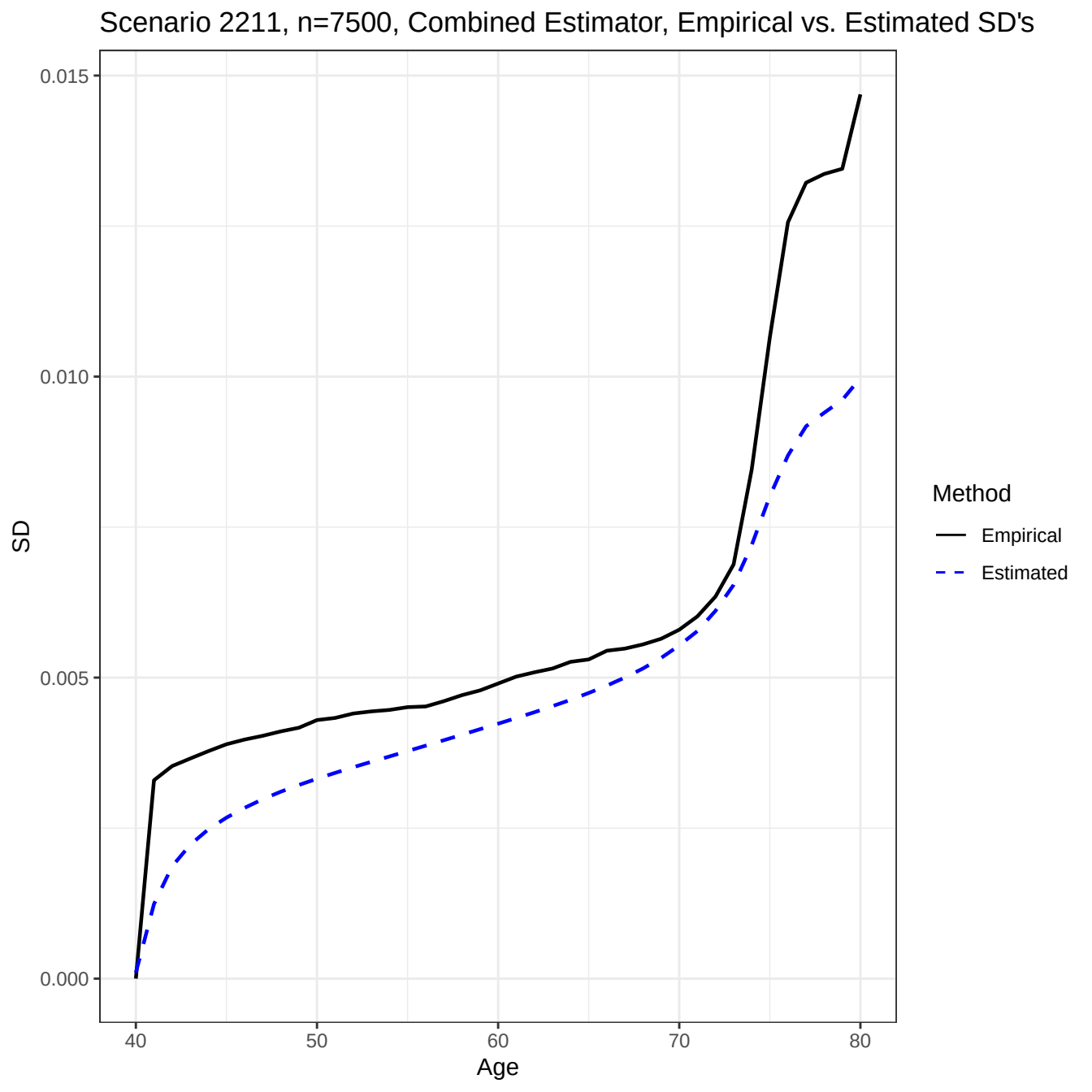

Scenario 2211, n=7500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

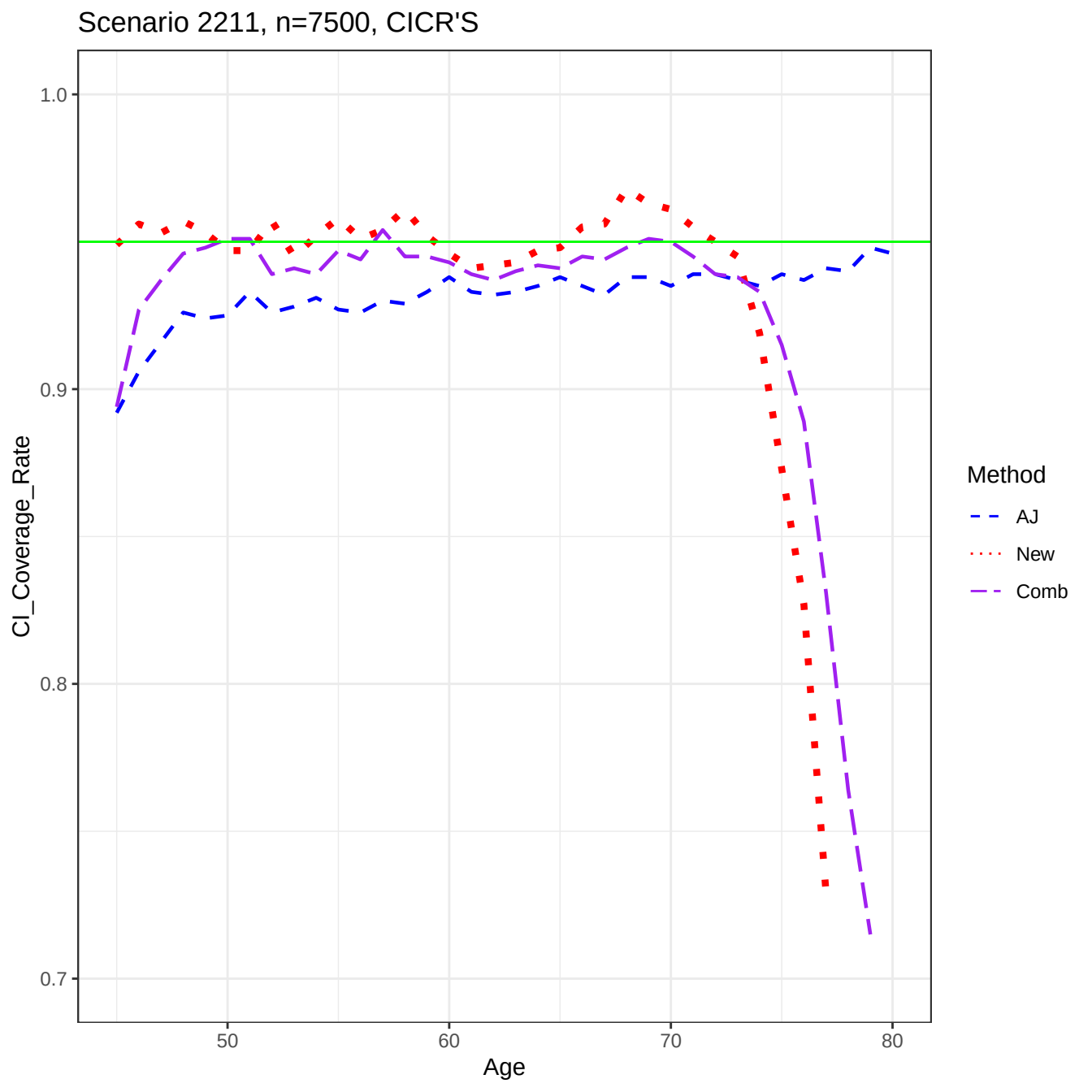

Scenario 2211, n=7500, SD'S
SD
0.02
0.01
0.00
40
50
60
70
80
Age
Method
AJ
New
Comb

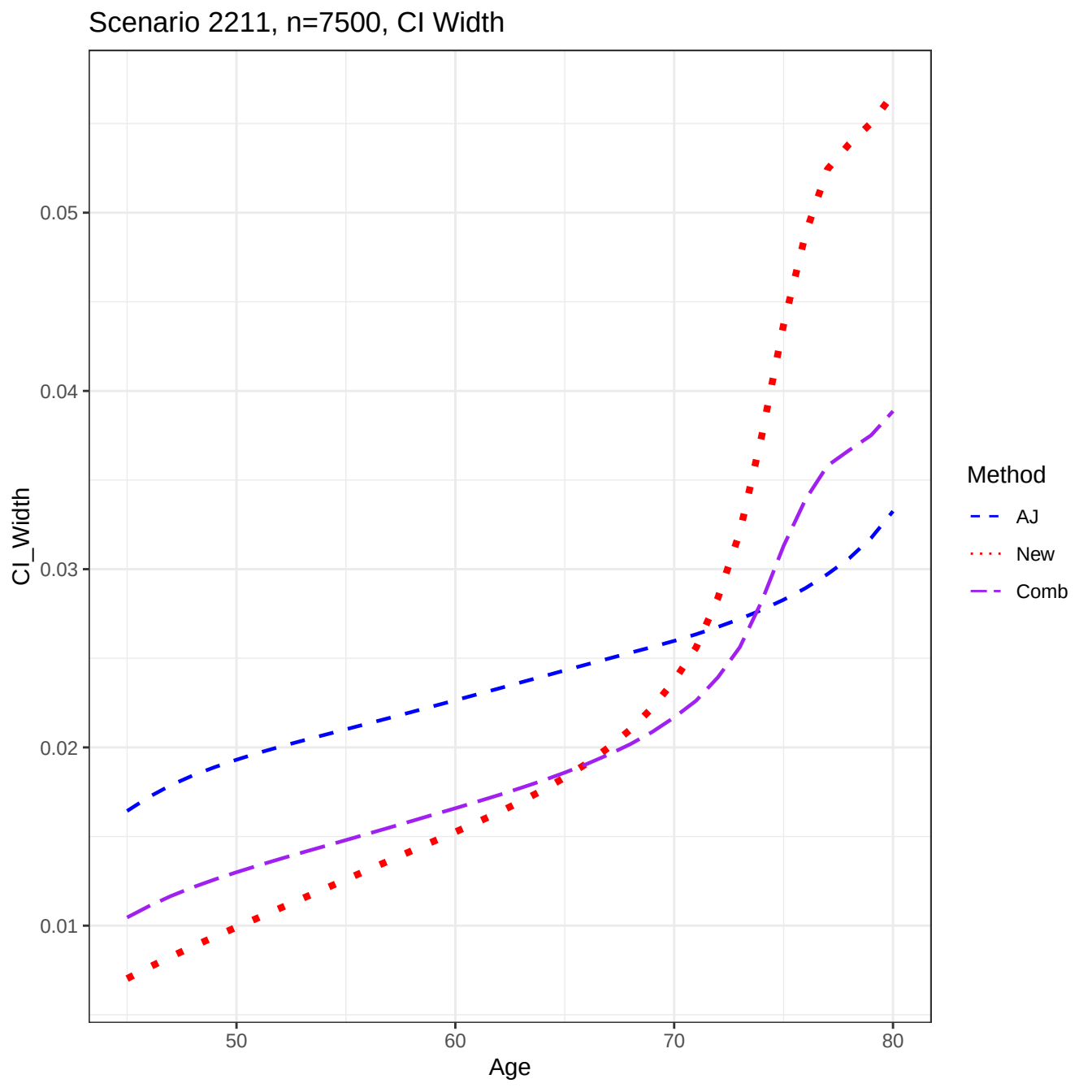

Scenario 2211, n=7500, IQR'S
IQR
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2211, n=7500, AJ Estimator, Empirical vs. Estimated SD's
0.0100
0.0075
0.0050
0.0025
0.0000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2211, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.02
0.01
0.00
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2211, n=7500, Combined Estimator, Empirical vs. Estimated SD's
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2211, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2211, n=7500, CI Width
CI_Width
0.05
0.04
0.03
0.02
0.01
50
60
70
80
Age
Method
AJ
New
Comb

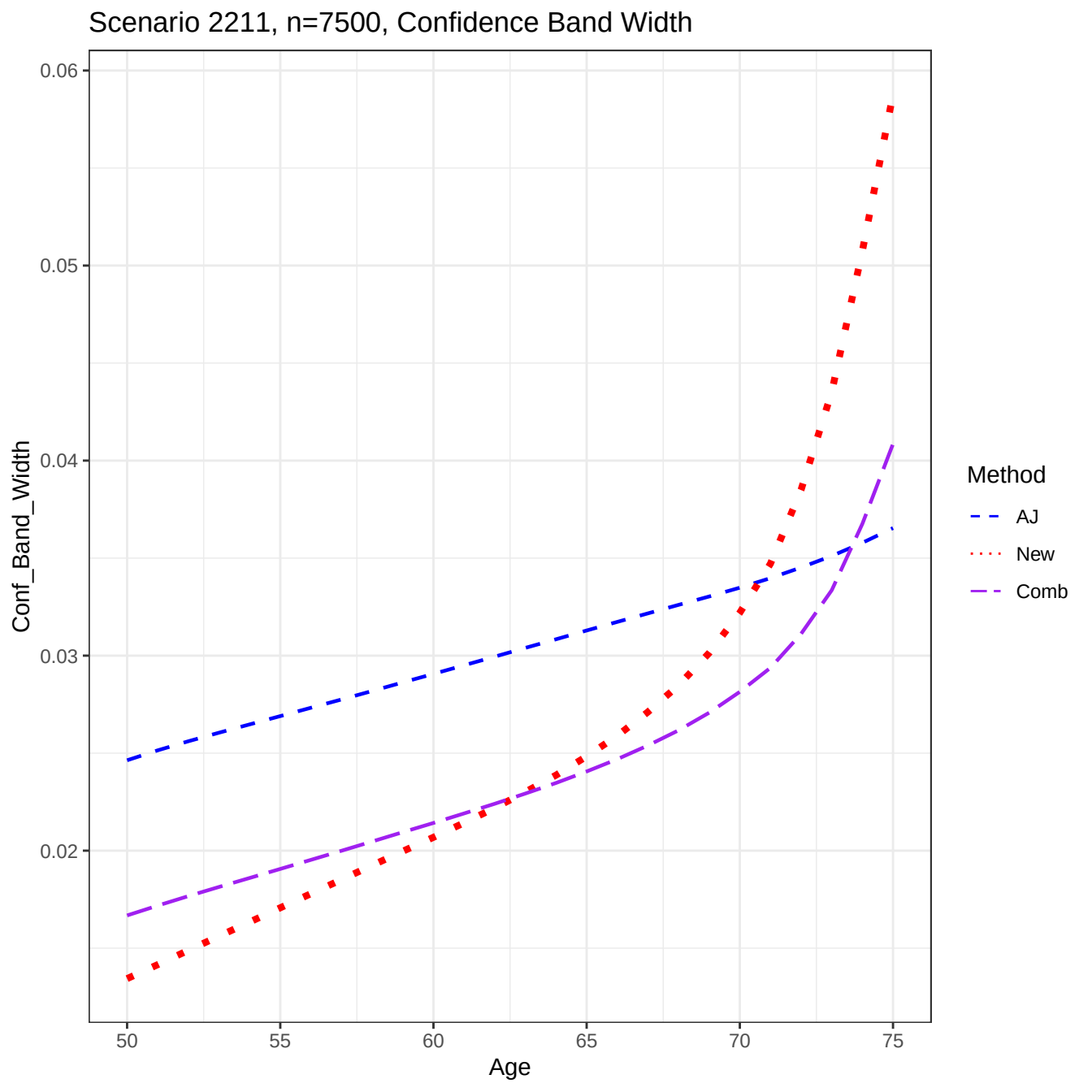
CONFIDENCE BAND COVERAGE RATES

Scenario: 2211

AJ: 0.93

new: 0.91

Combo: 0.922


Scenario 2211, n=7500, Confidence Band Width
Conf_Band_Width
0.06
0.05
0.04
0.03
0.02
50
55
60
65
70
75
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2212

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

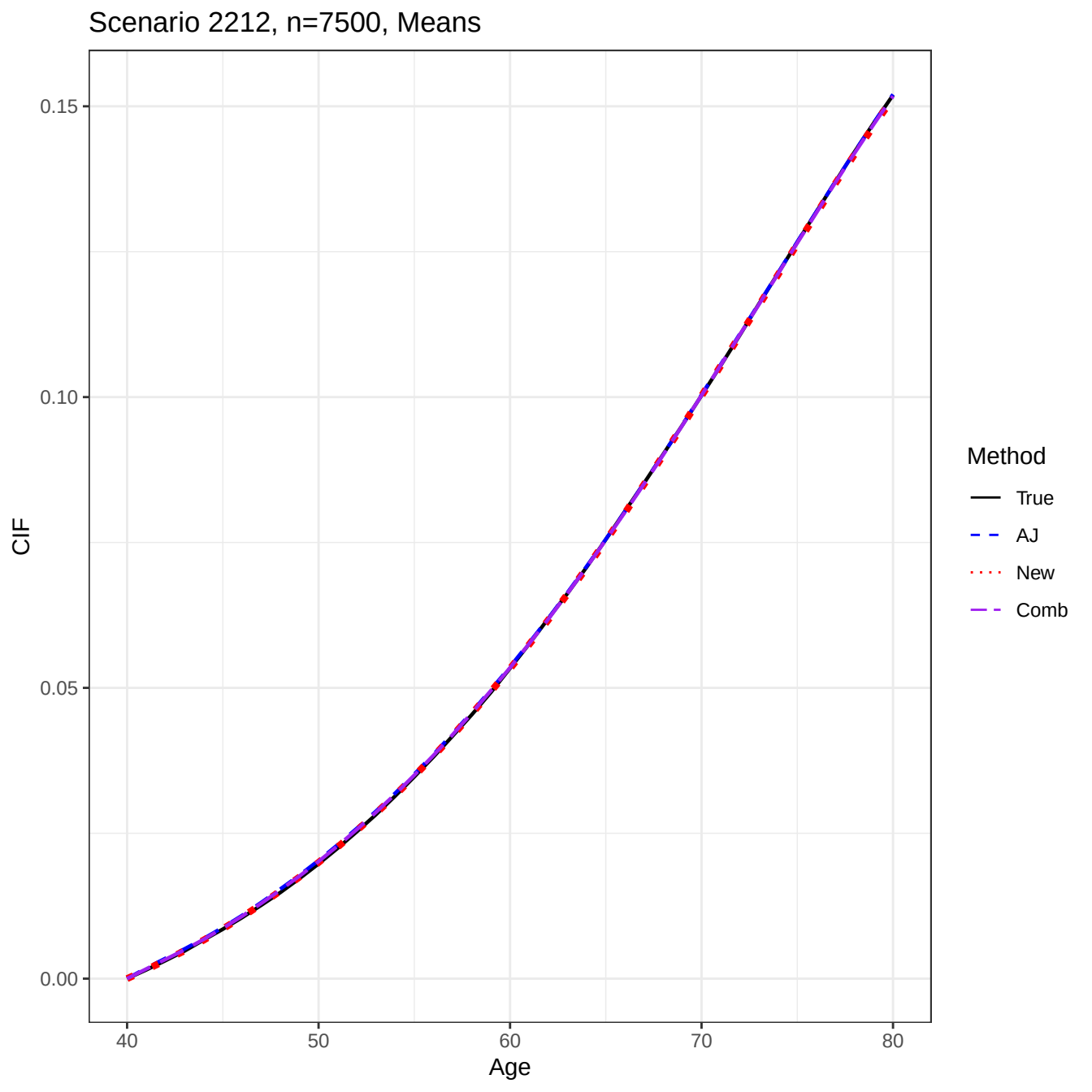
transformation: 0.5*pi − asin(sqrt(1−u))

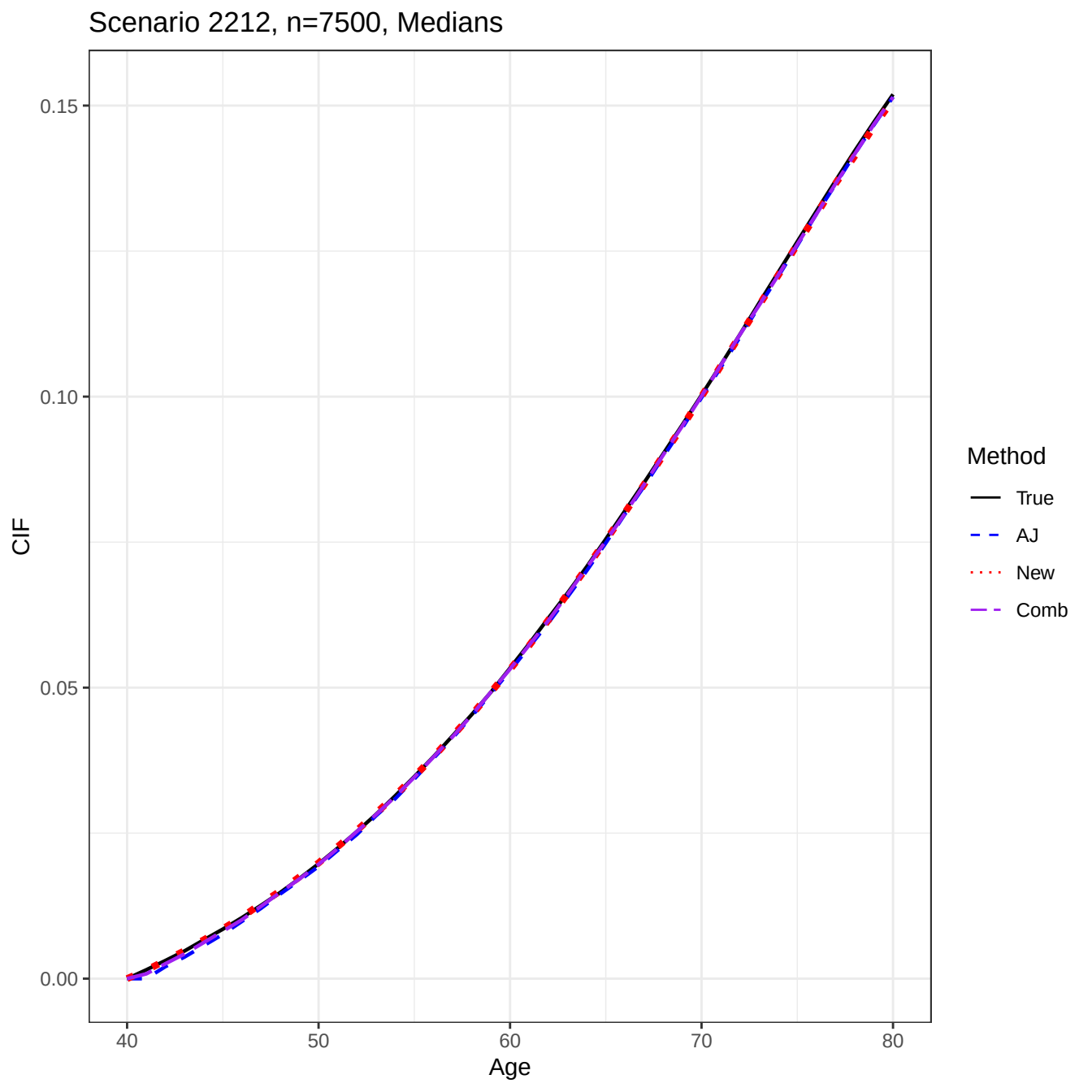
pointwise CI's done by: normal−theory

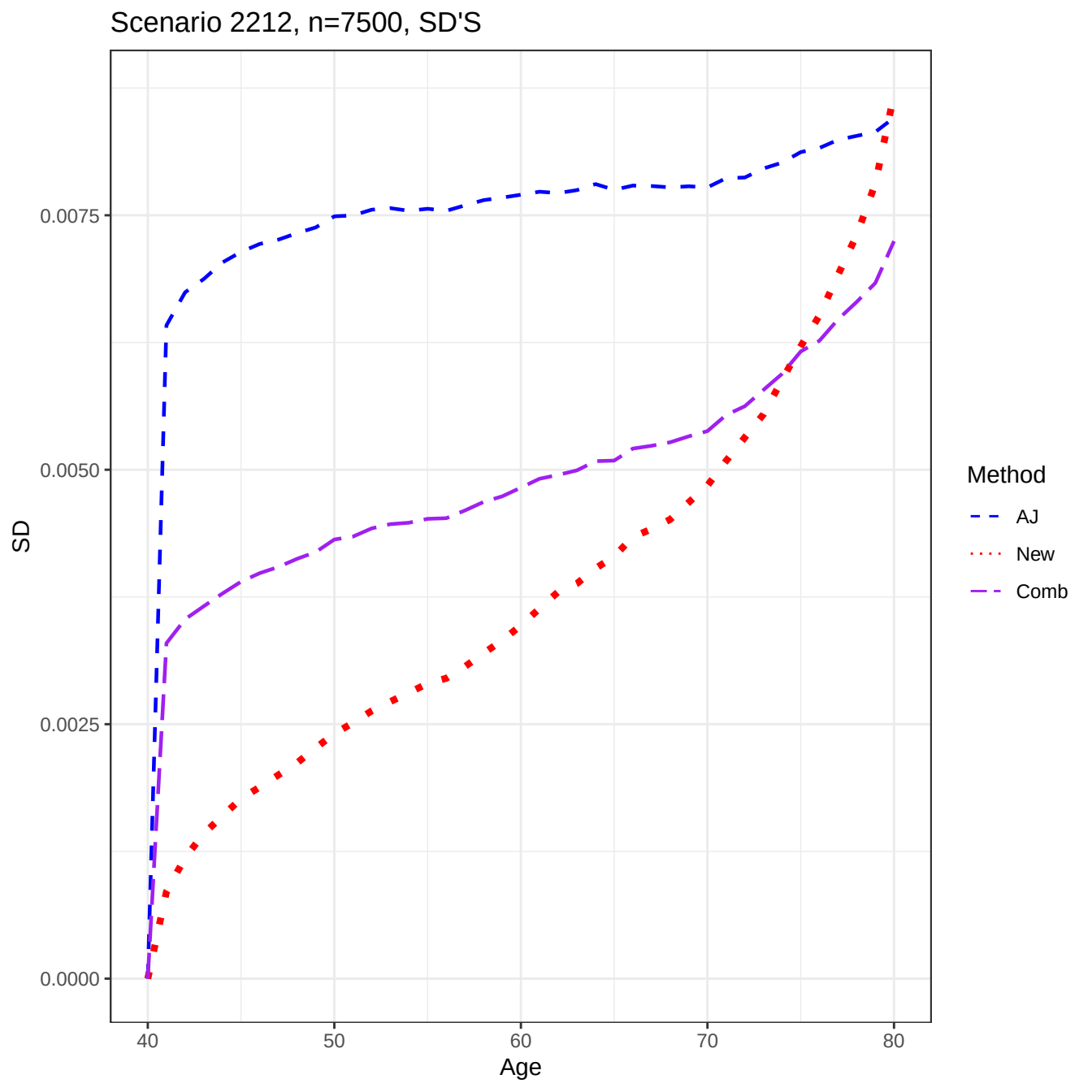
auxflg = FALSE

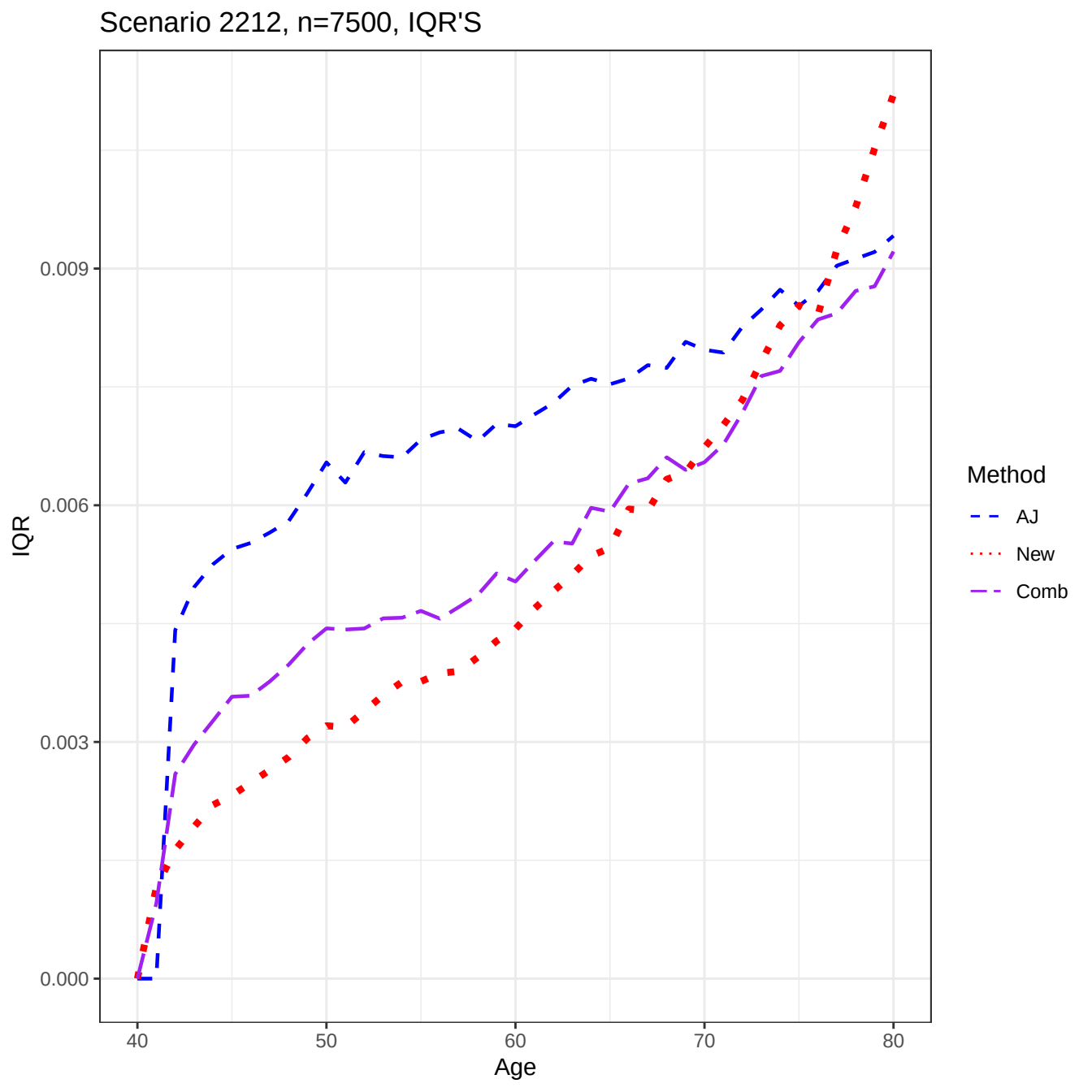
bootstrap weights: normal

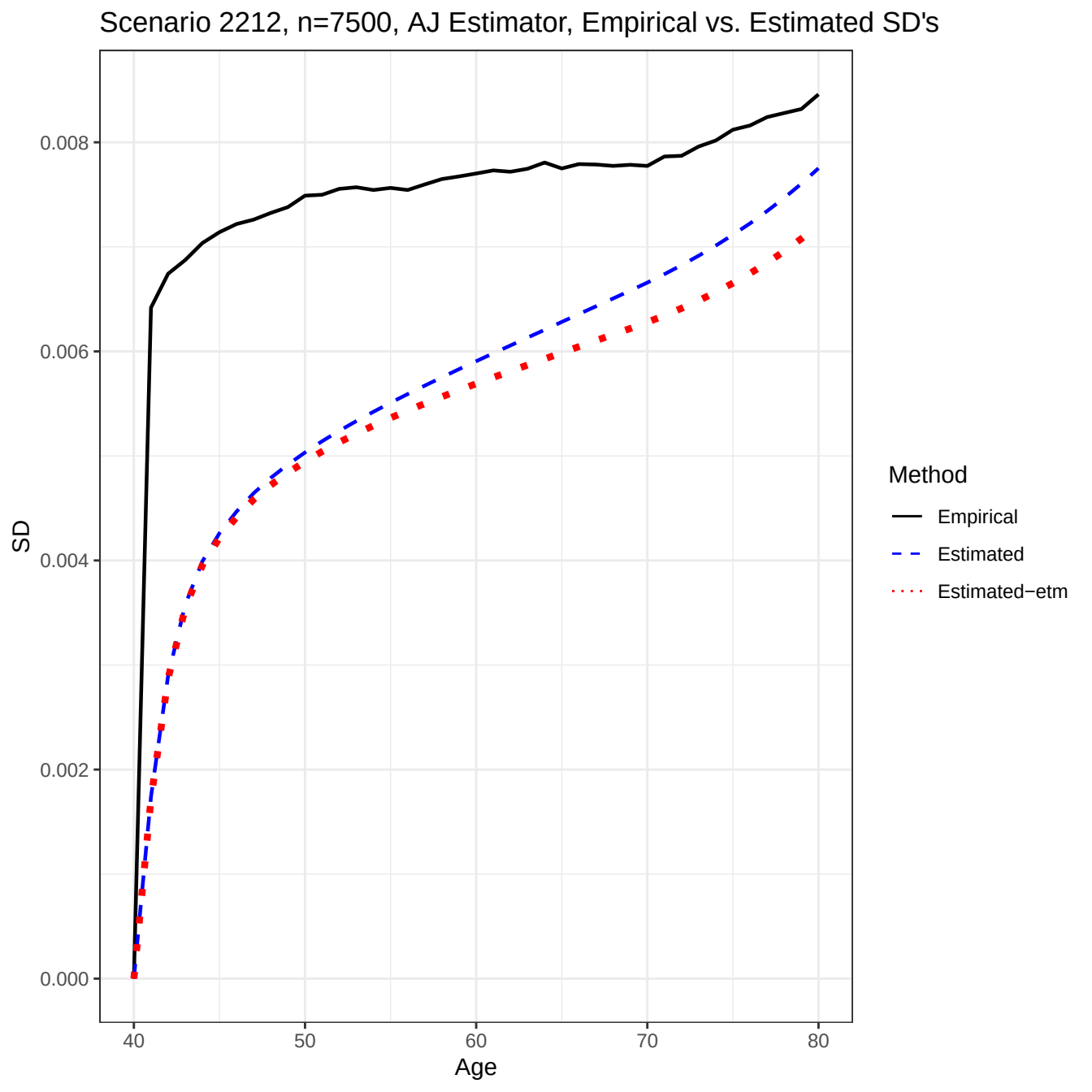
Date/Time: 2024−01−22 14:35:31.949163

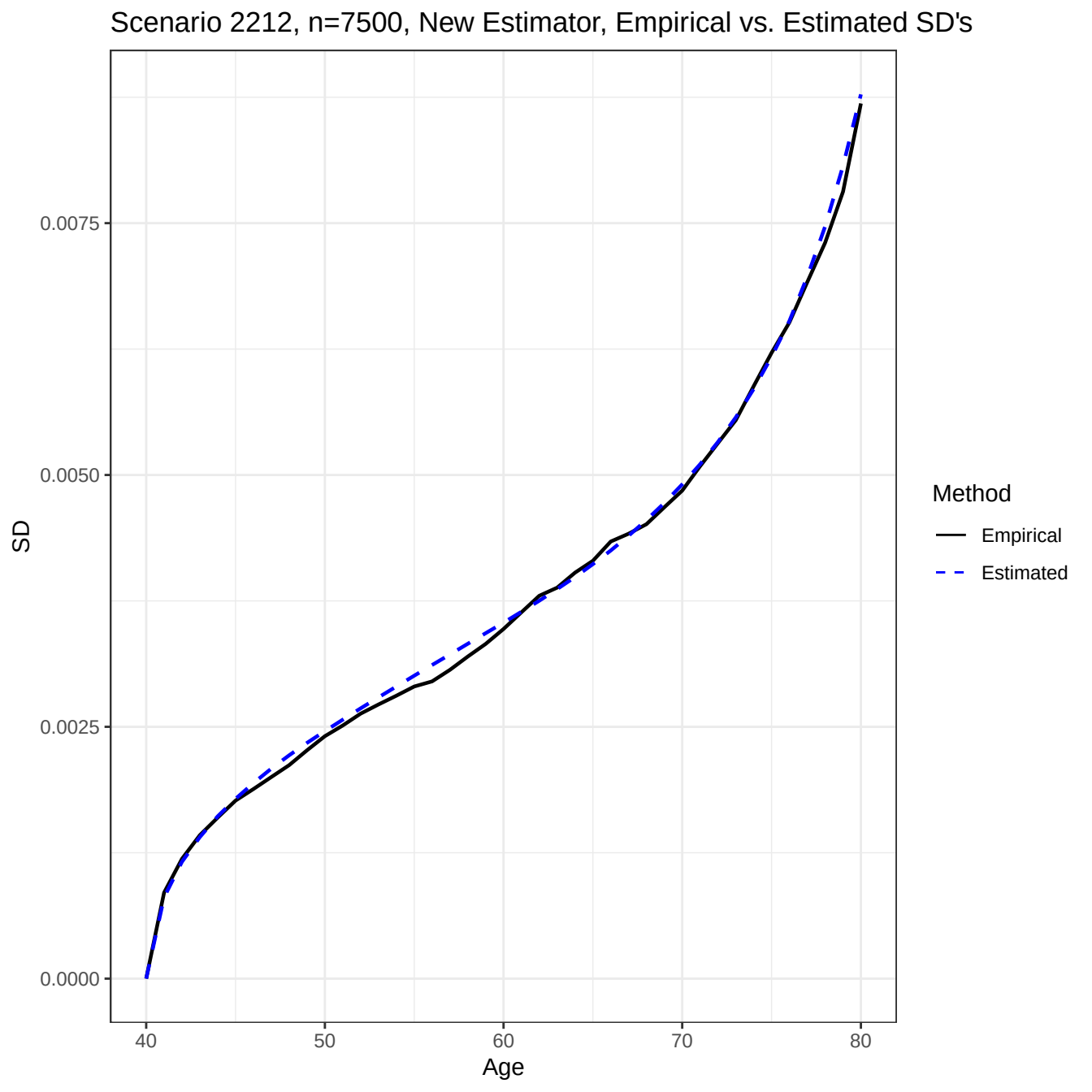

Scenario 2212, n=7500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

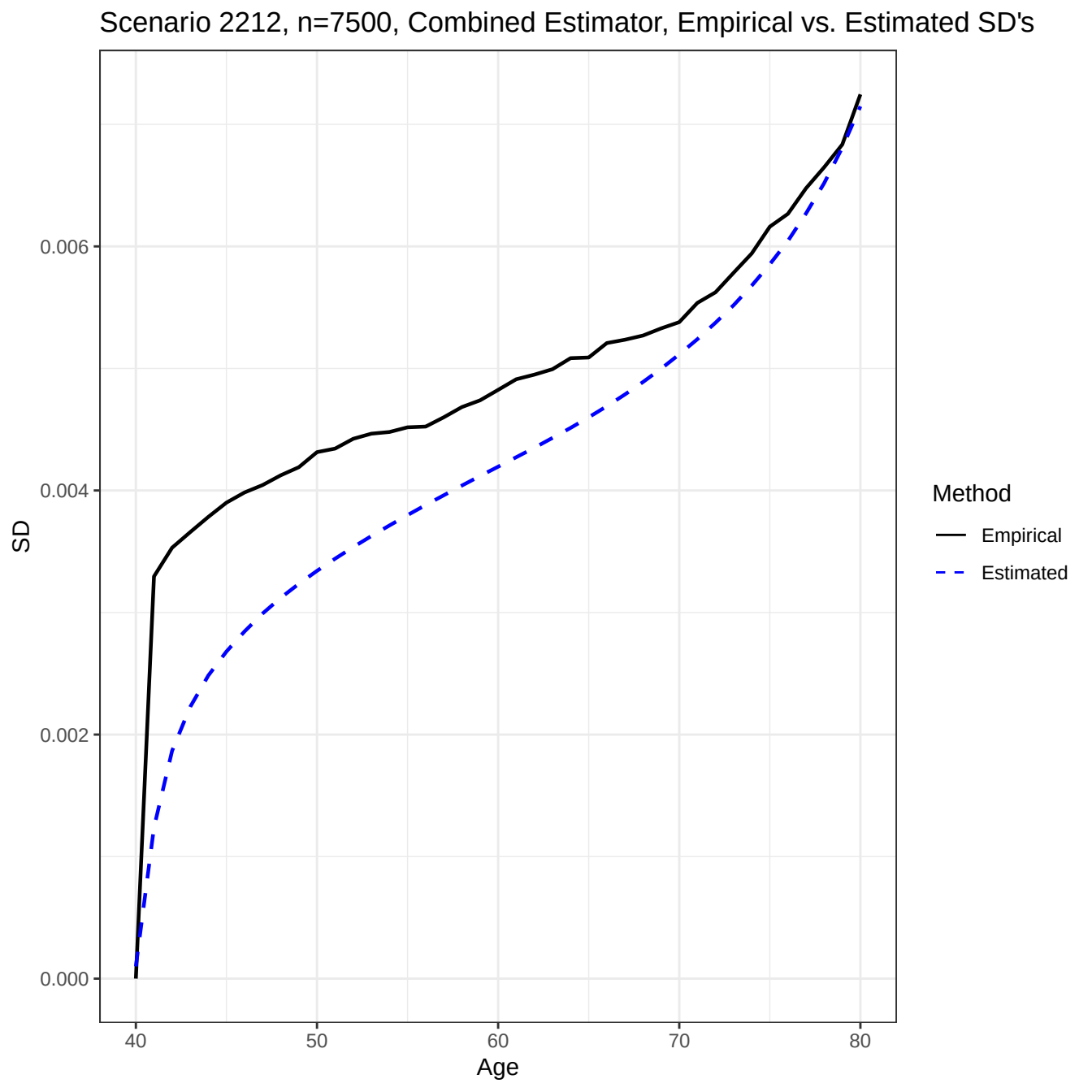

Scenario 2212, n=7500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

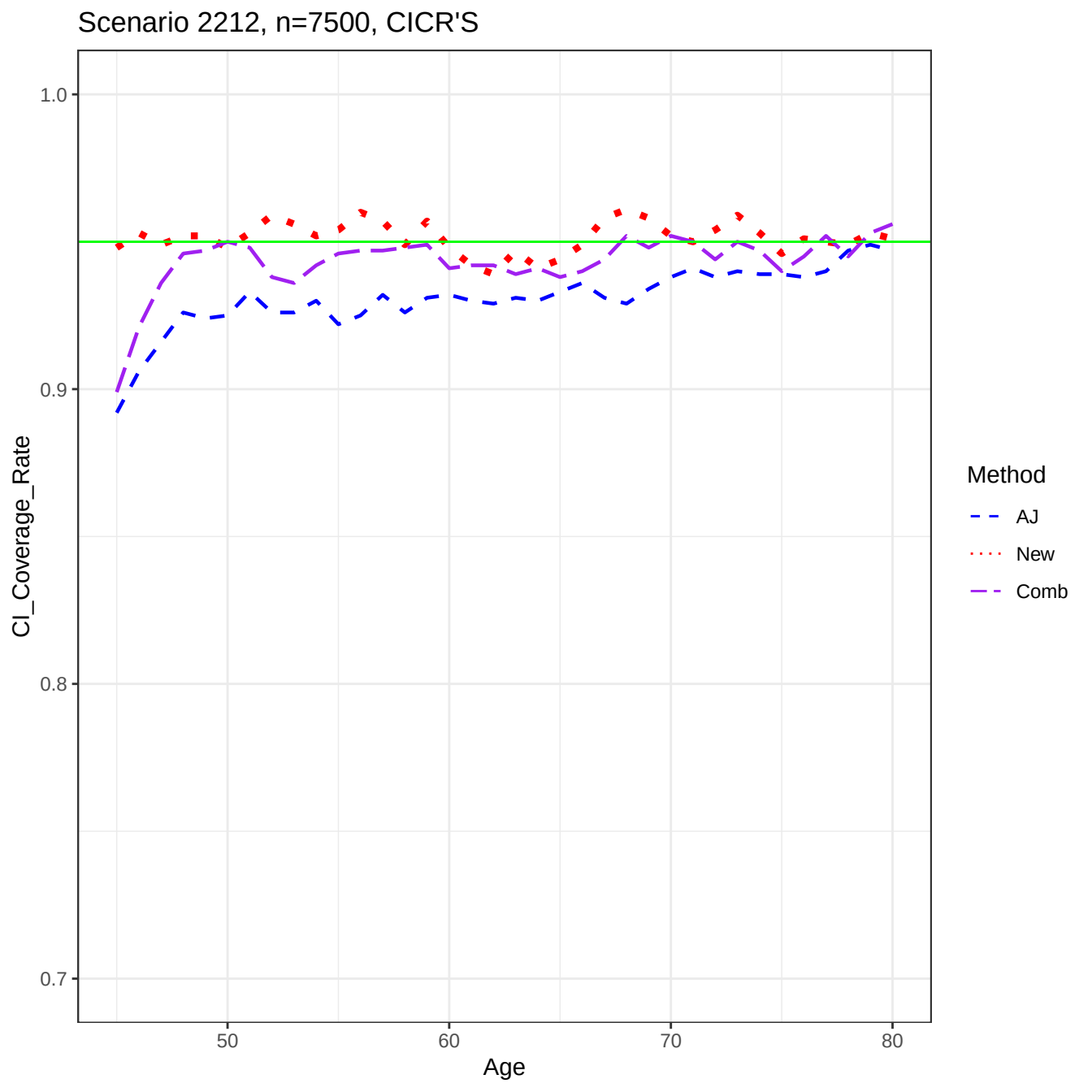

Scenario 2212, n=7500, SD'S
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
AJ
New
Comb

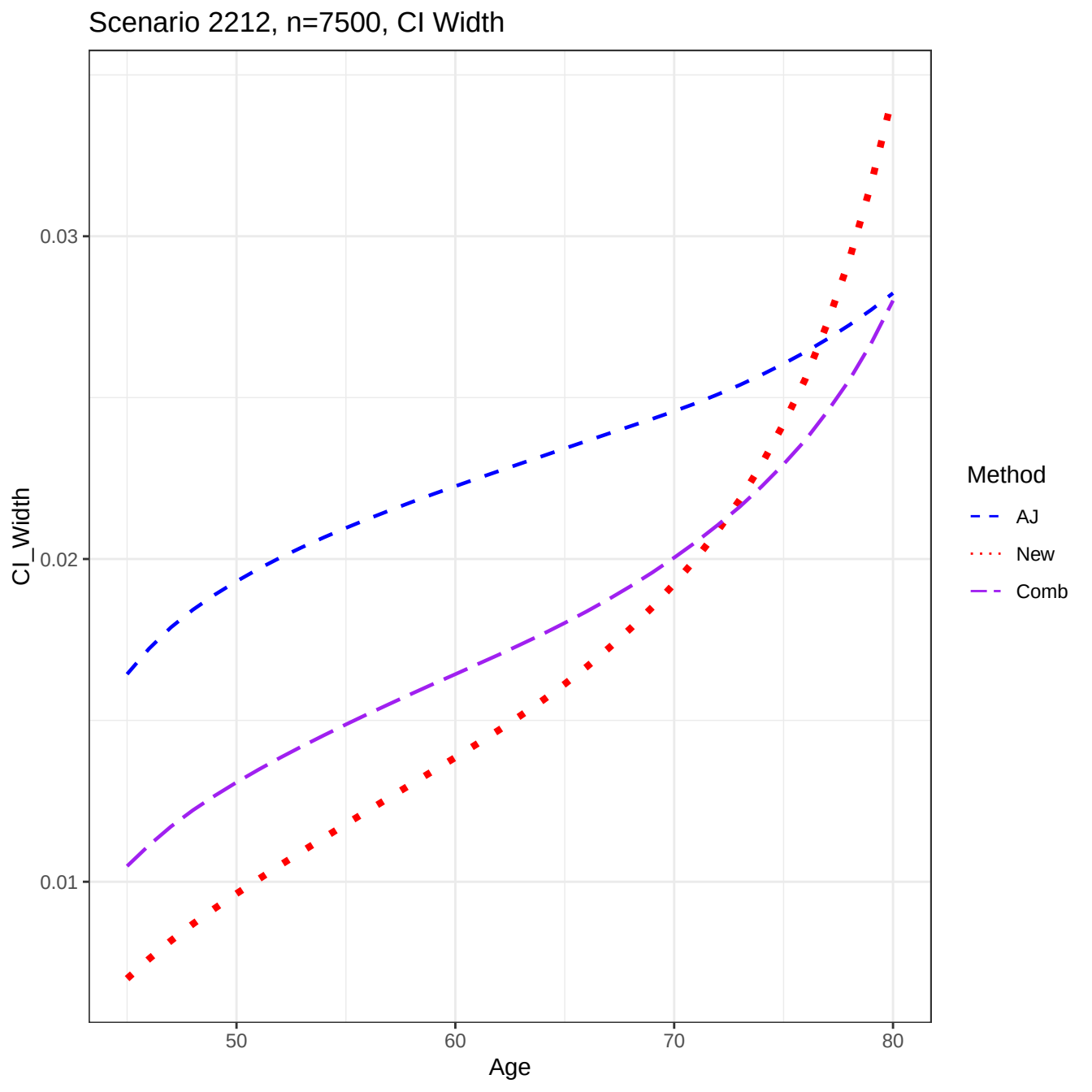

Scenario 2212, n=7500, IQR'S
IQR
0.009
0.006
0.003
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2212, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.000
0.002
0.004
0.006
0.008
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2212, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2212, n=7500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2212, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2212, n=7500, CI Width
CI_Width
0.03
0.02
0.01
50
60
70
80
Age
Method
AJ
New
Comb

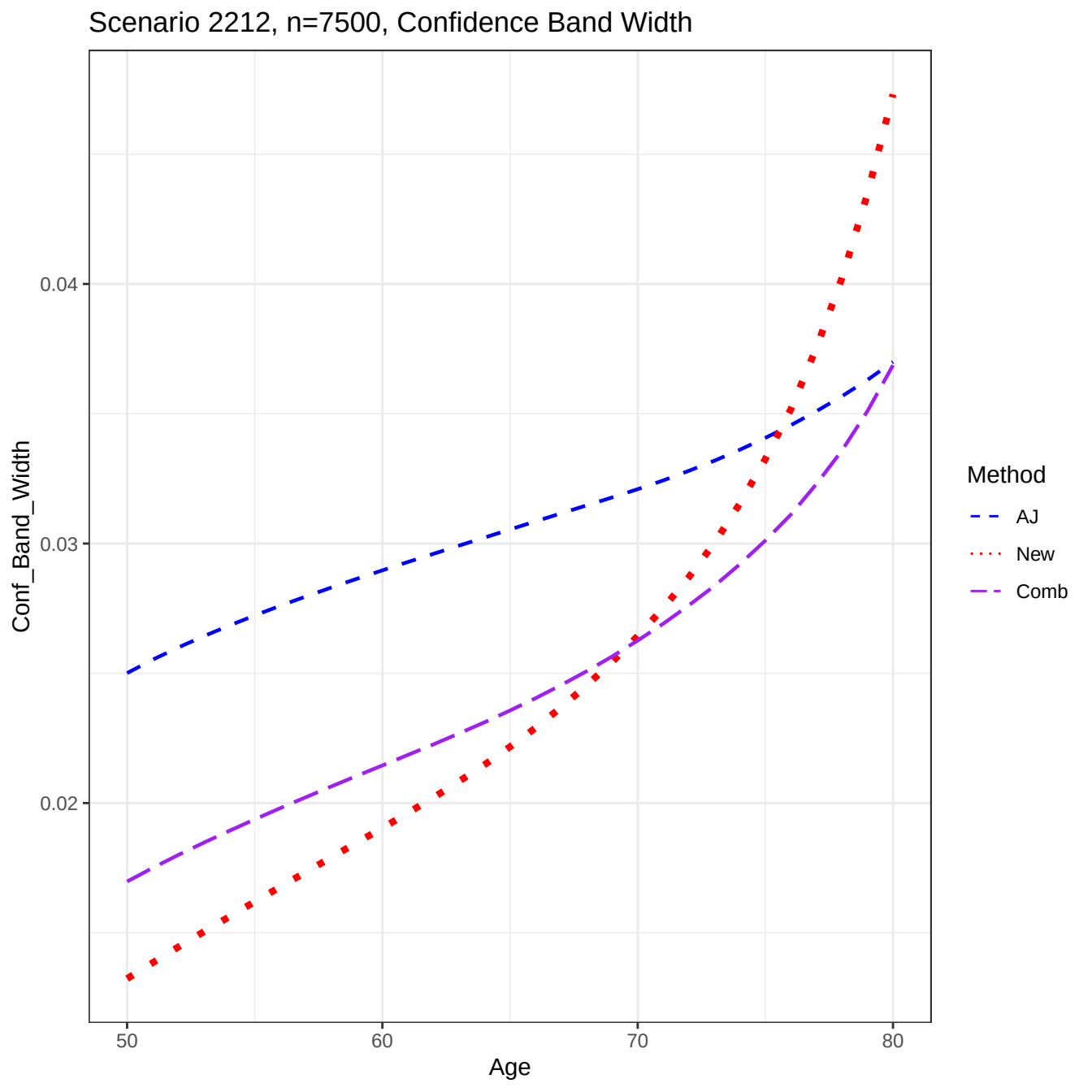
CONFIDENCE BAND COVERAGE RATES

Scenario: 2212

AJ: 0.934

new: 0.944

Combo: 0.94


Scenario 2212, n=7500, Confidence Band Width
Conf_Band_Width
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2221

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

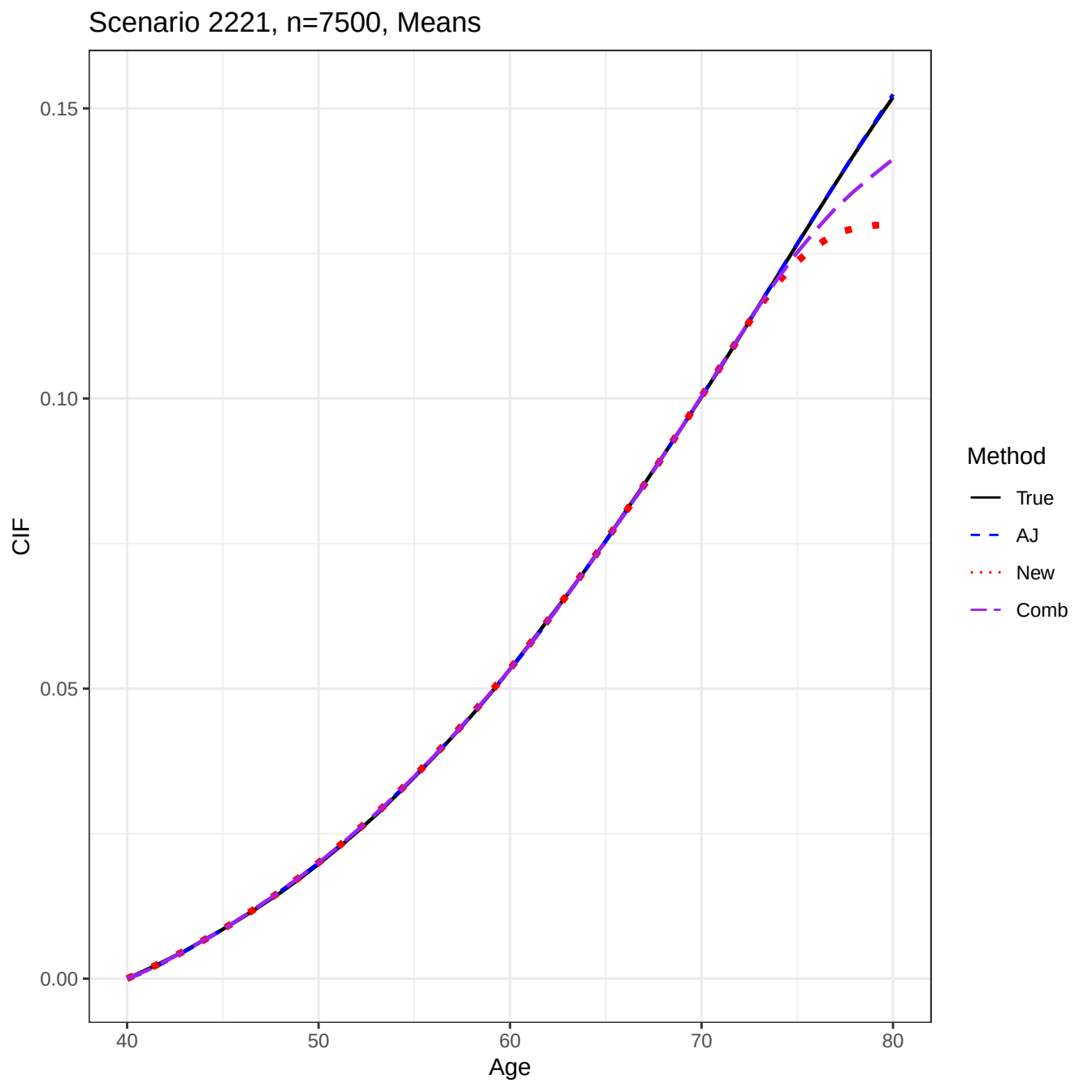
transformation: 0.5*pi − asin(sqrt(1−u))

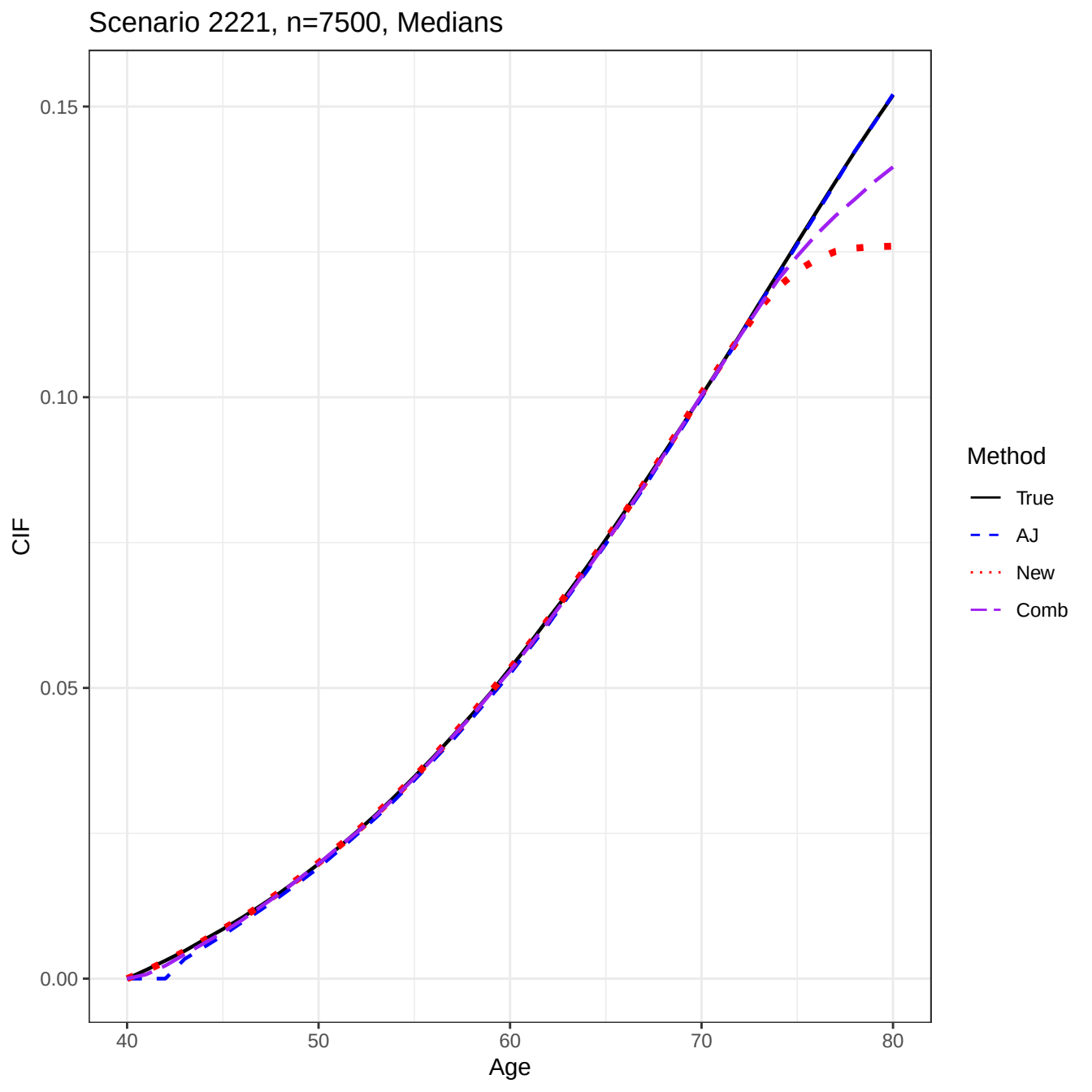
pointwise CI's done by: normal−theory

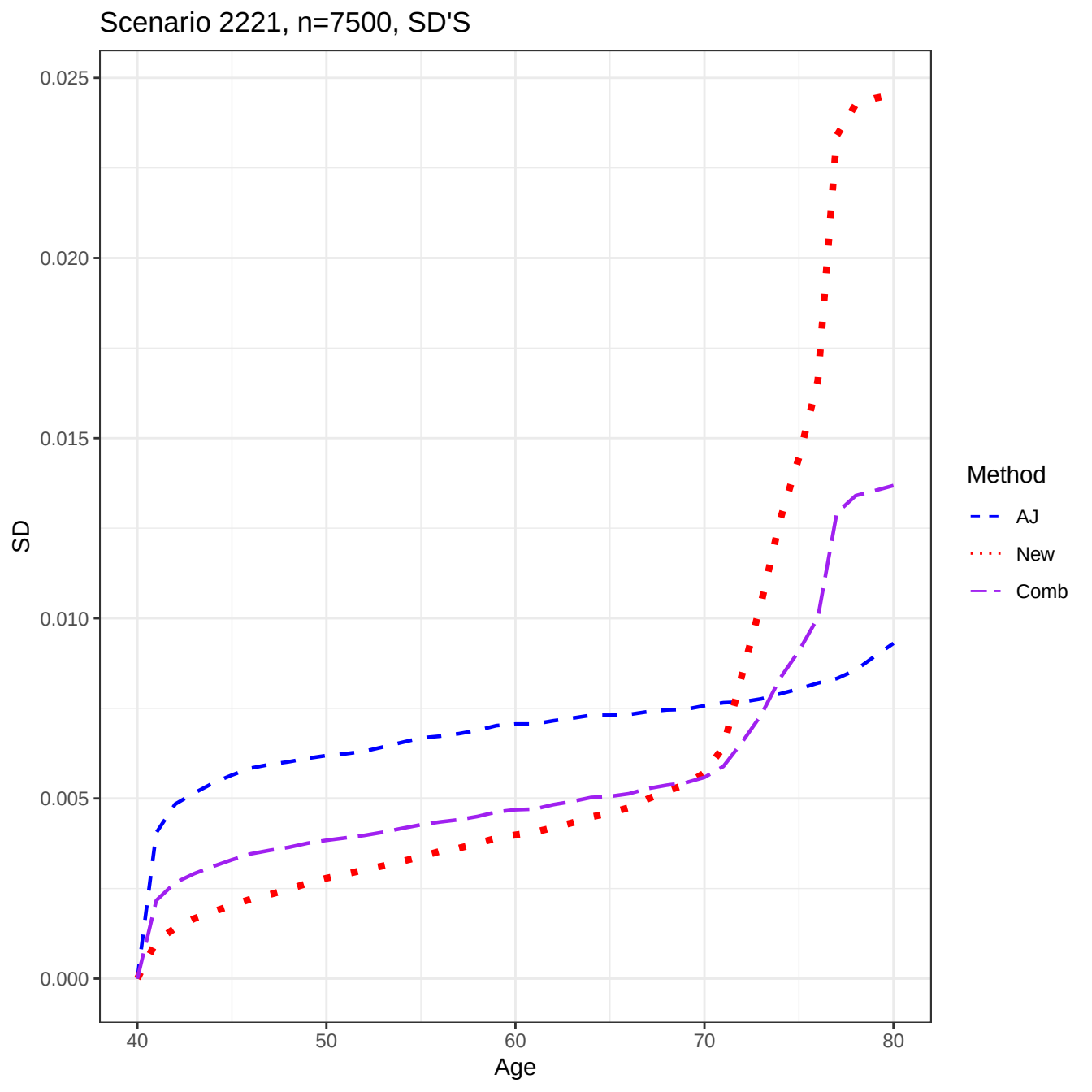
auxflg = FALSE

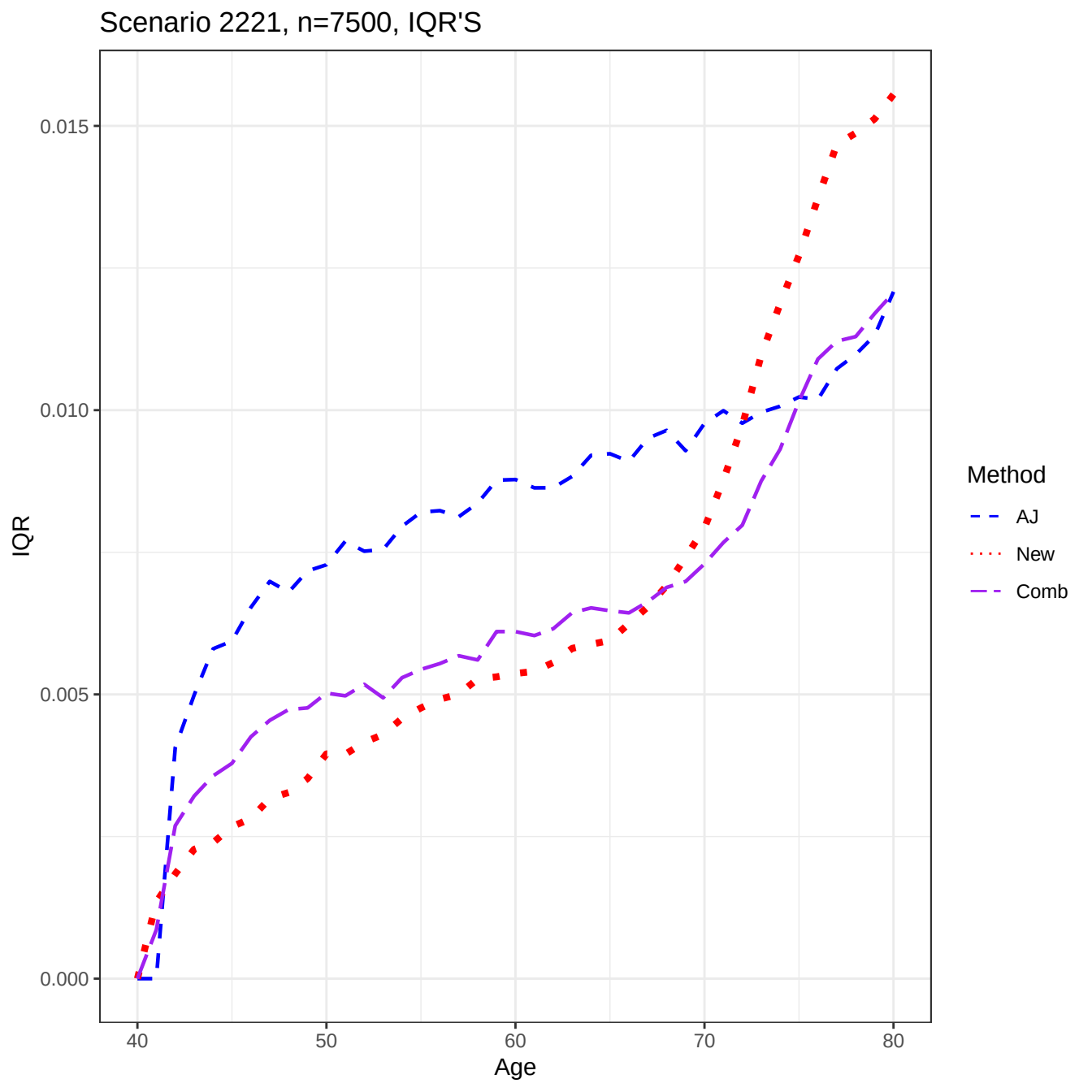
bootstrap weights: normal

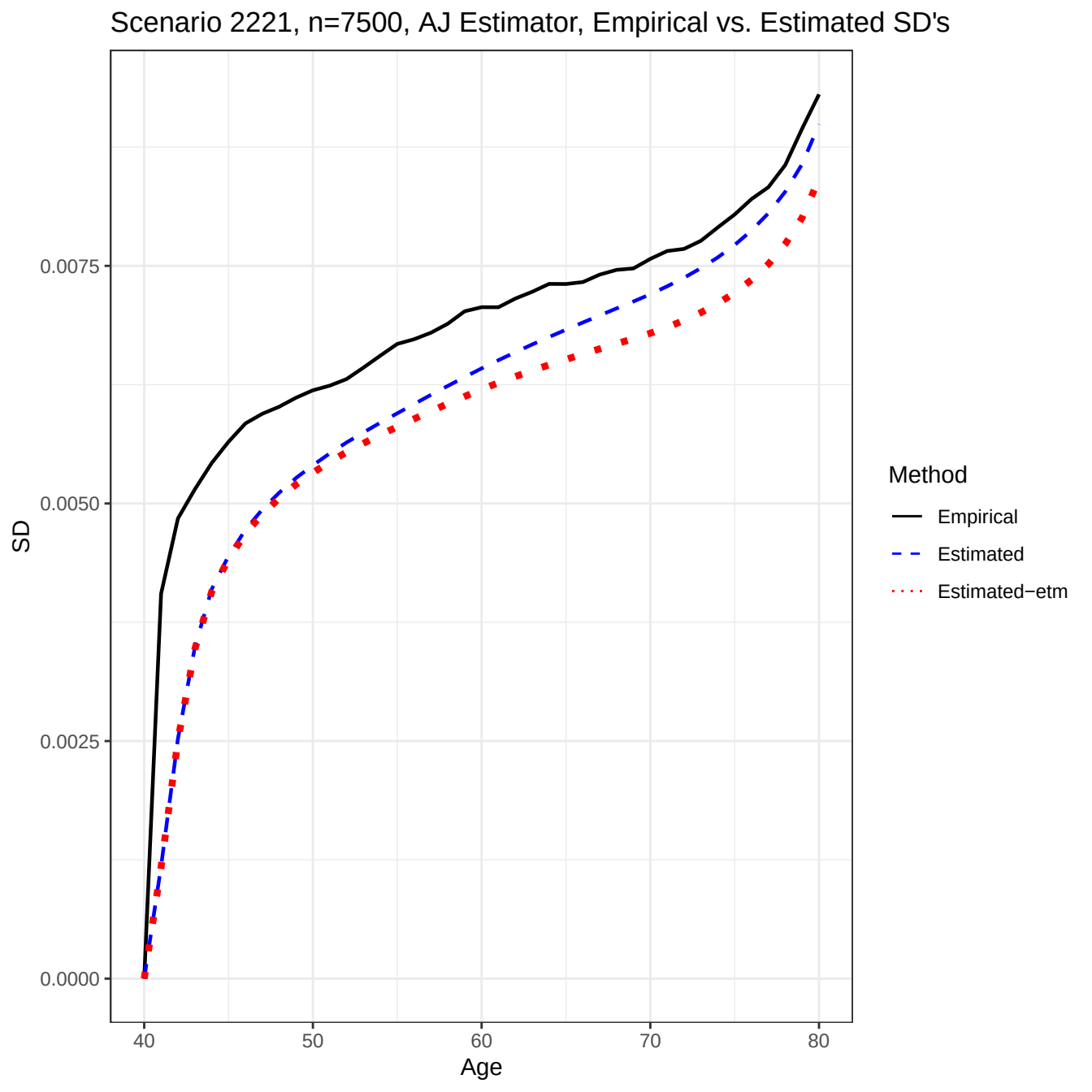
Date/Time: 2024−01−22 17:40:21.810766

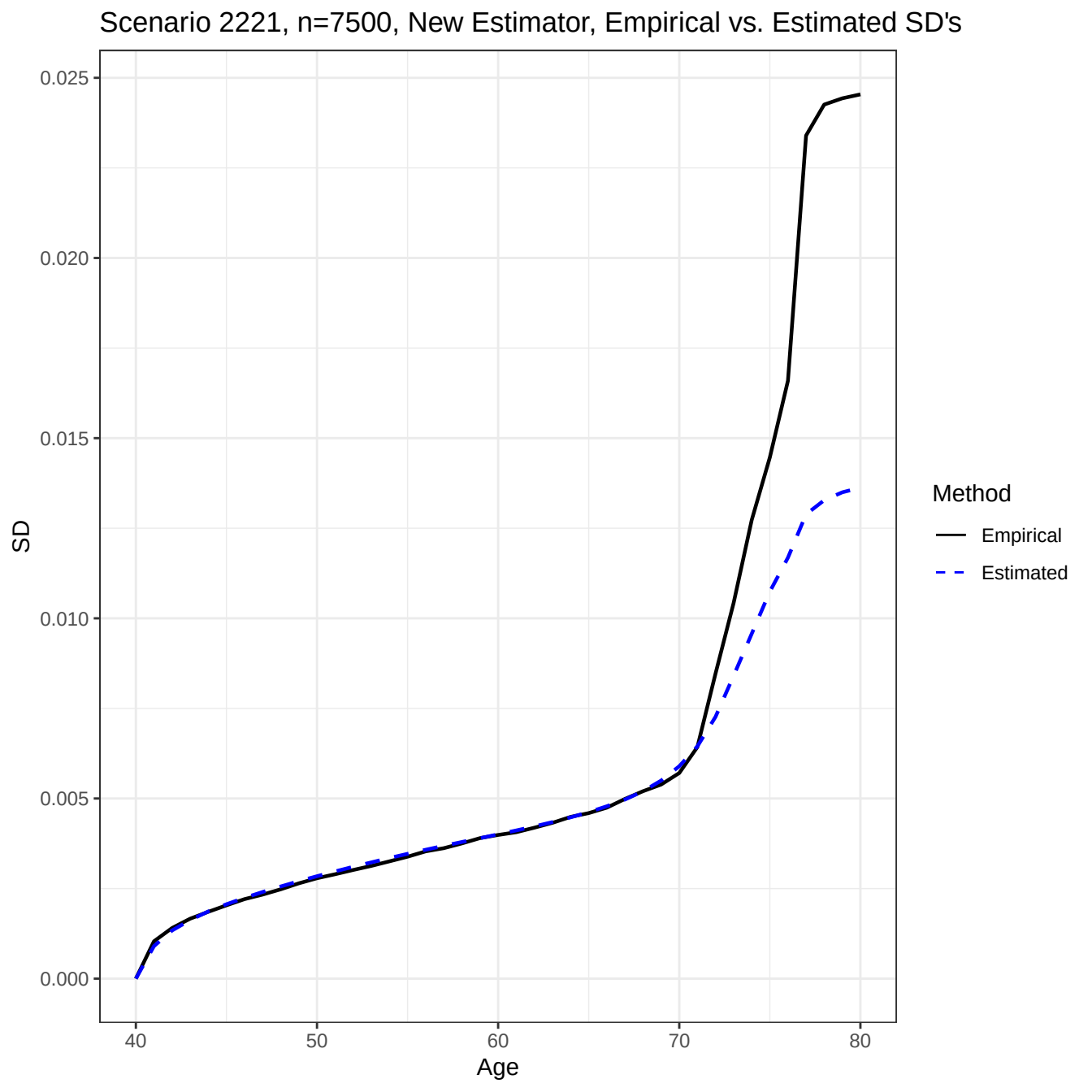

Scenario 2221, n=7500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

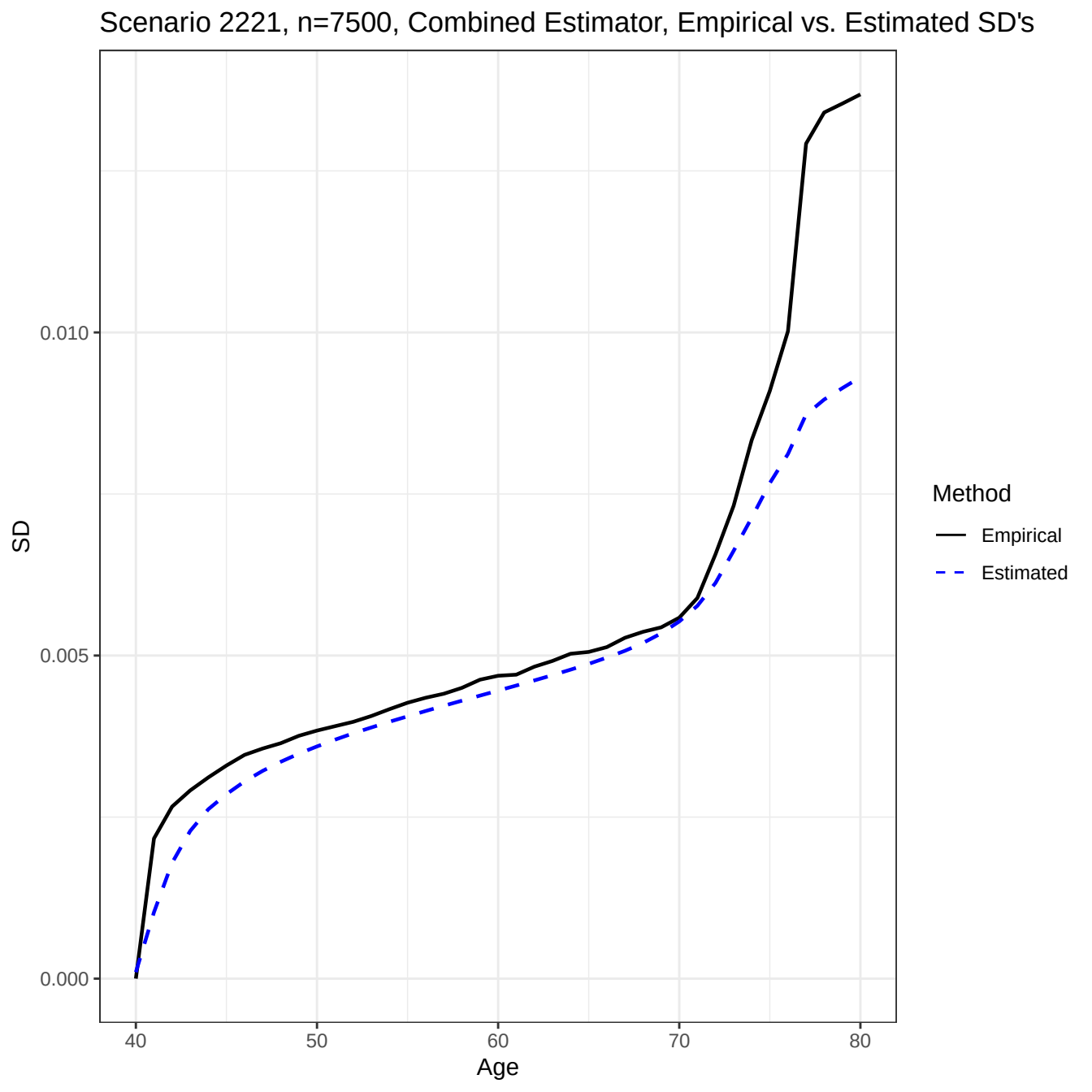

Scenario 2221, n=7500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

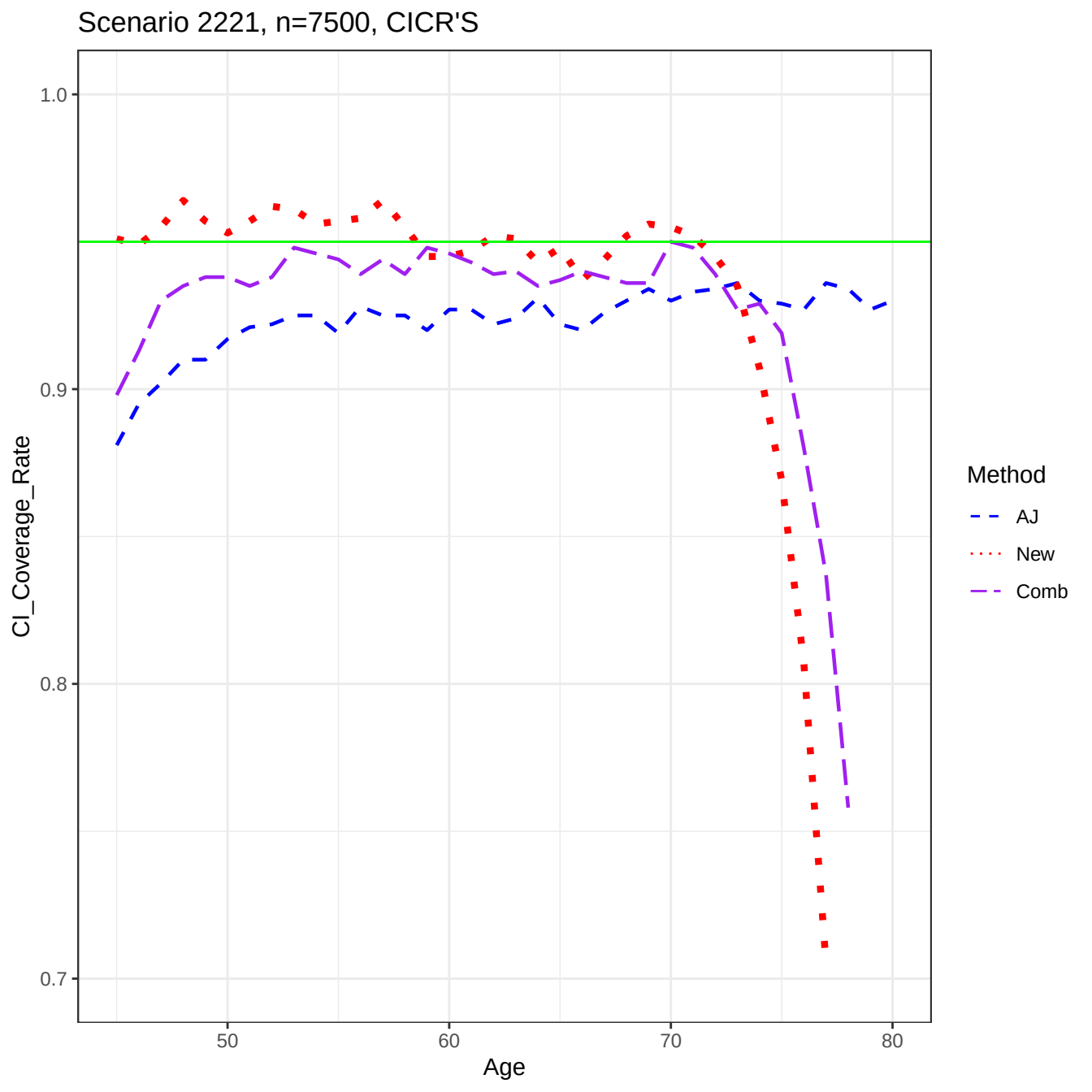

Scenario 2221, n=7500, SD'S
0.025
0.020
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

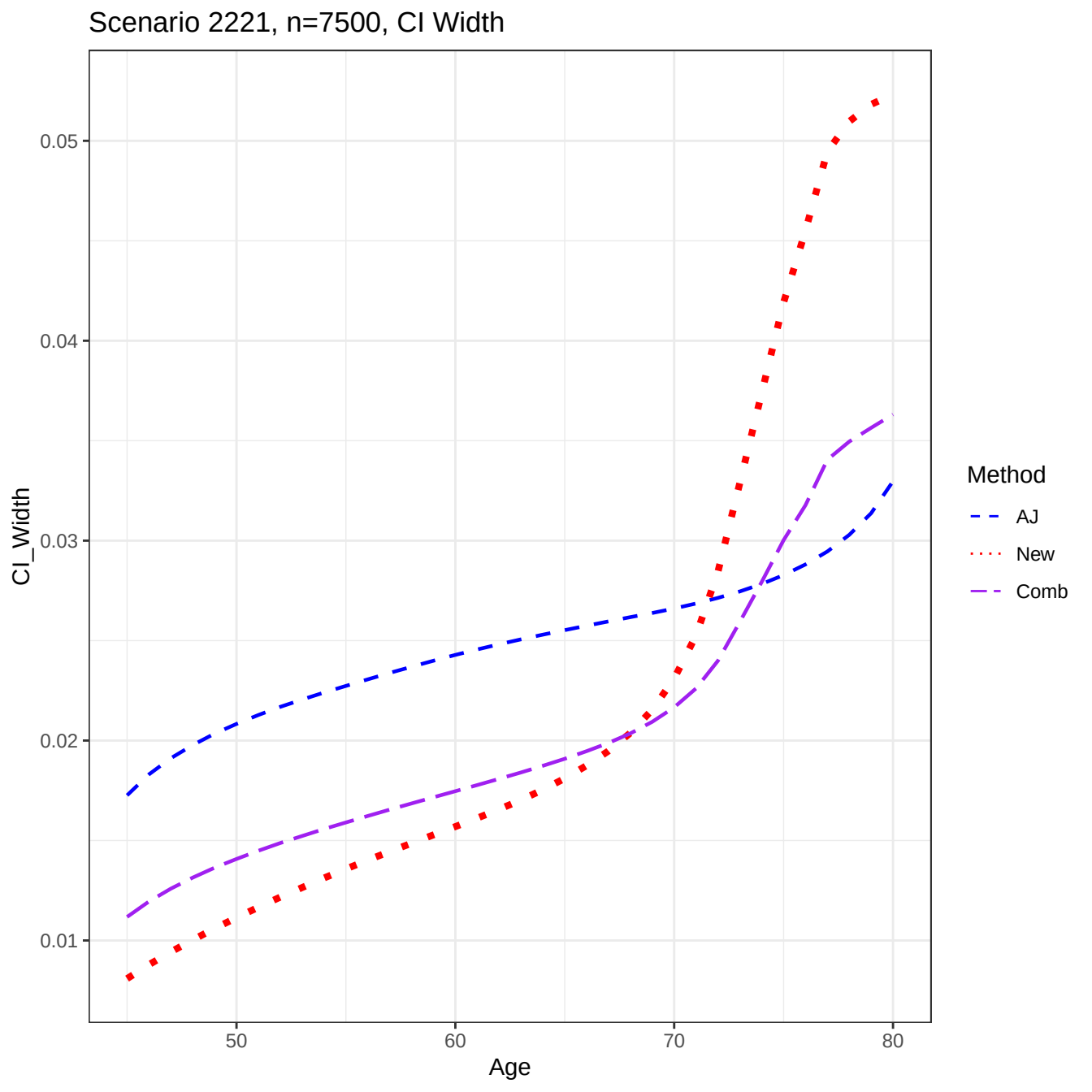

Scenario 2221, n=7500, IQR'S
IQR
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2221, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2221, n=7500, New Estimator, Empirical vs. Estimated SD's
0.025
0.020
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2221, n=7500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.010
0.005
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2221, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2221, n=7500, CI Width
CI_Width
0.05
0.04
0.03
0.02
0.01
50
60
70
80
Age
Method
AJ
New
Comb

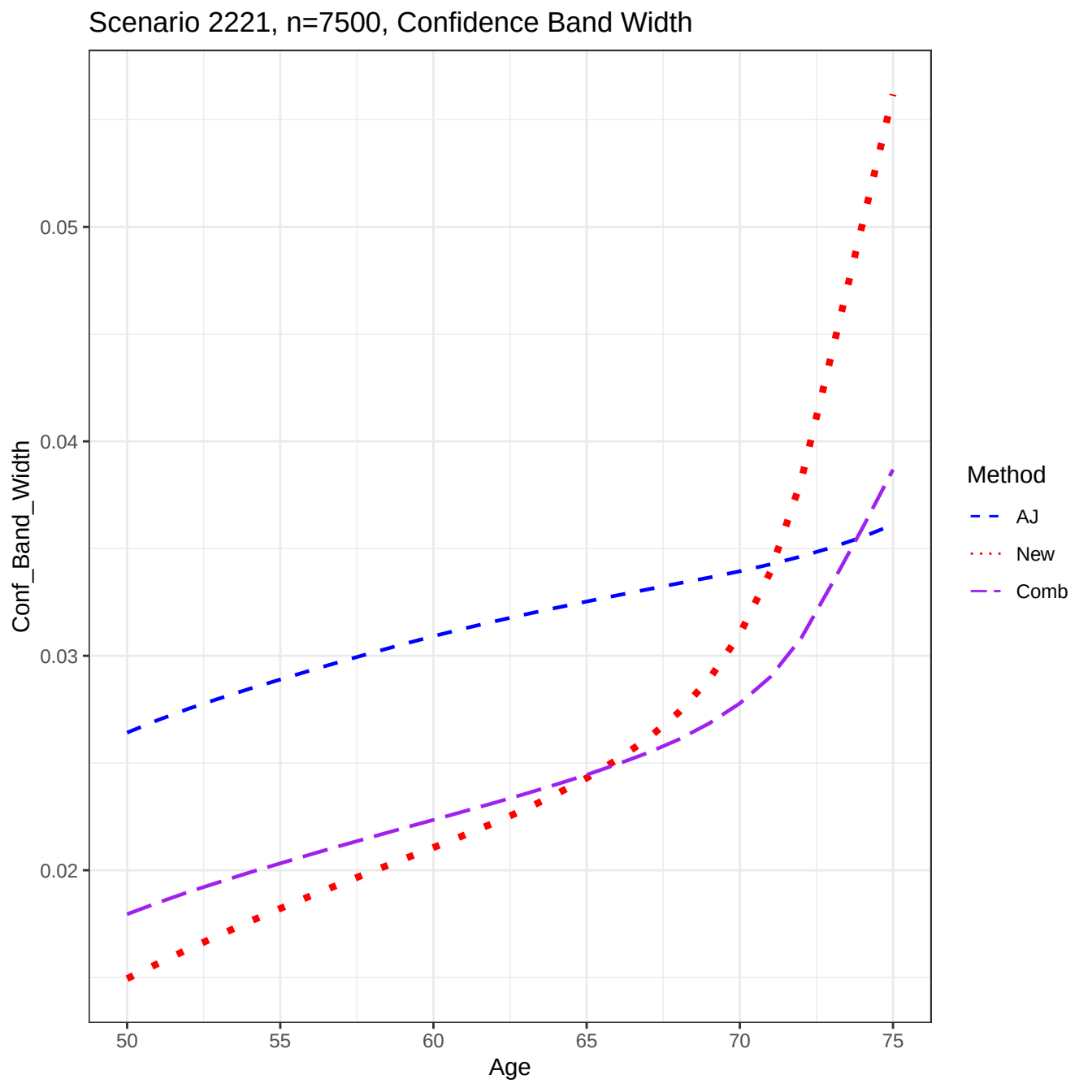
CONFIDENCE BAND COVERAGE RATES

Scenario: 2221

AJ: 0.916

new: 0.901

Combo: 0.921


Scenario 2221, n=7500, Confidence Band Width
Conf_Band_Width
0.05
0.04
0.03
0.02
50
55
60
65
70
75
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2222

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

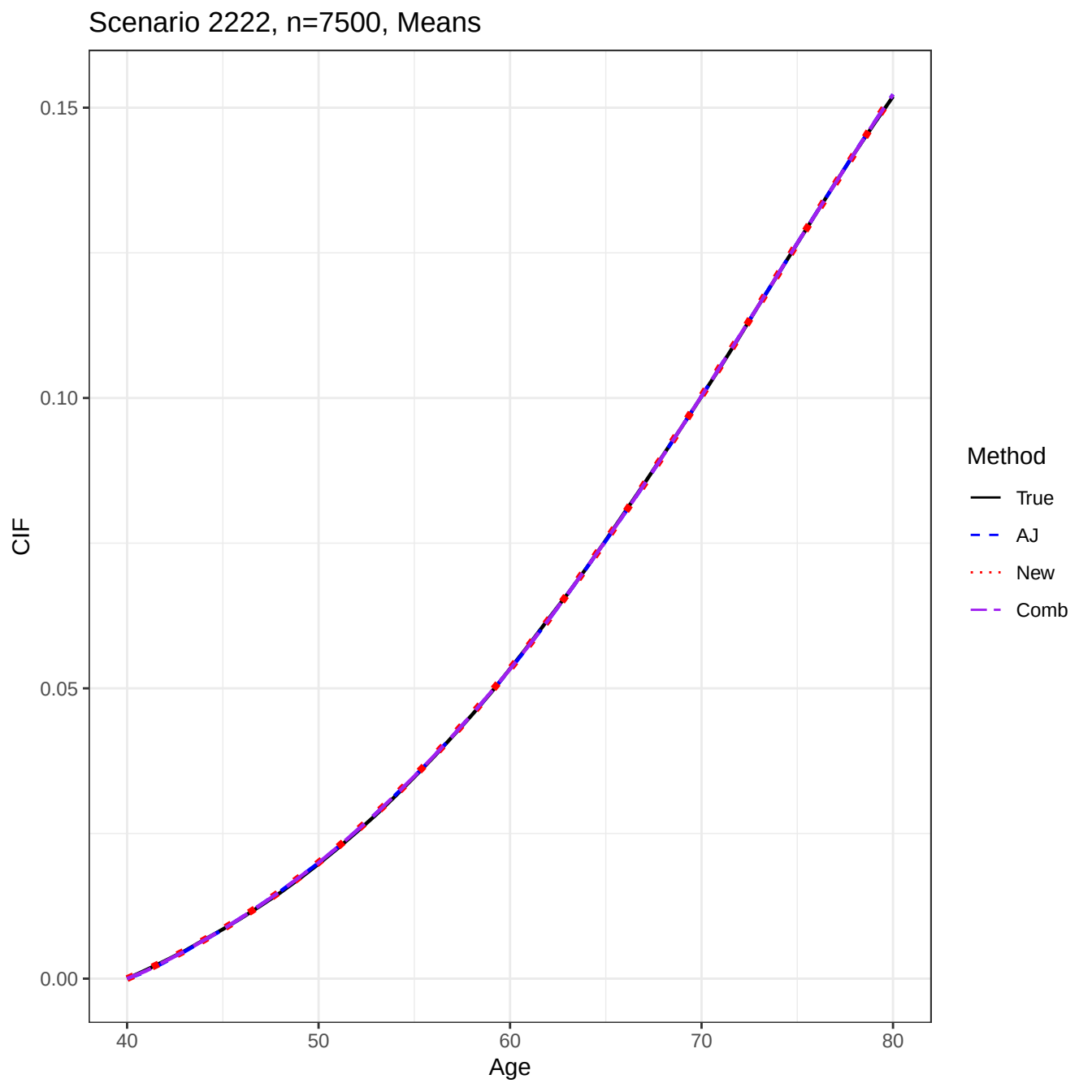
transformation: 0.5*pi − asin(sqrt(1−u))

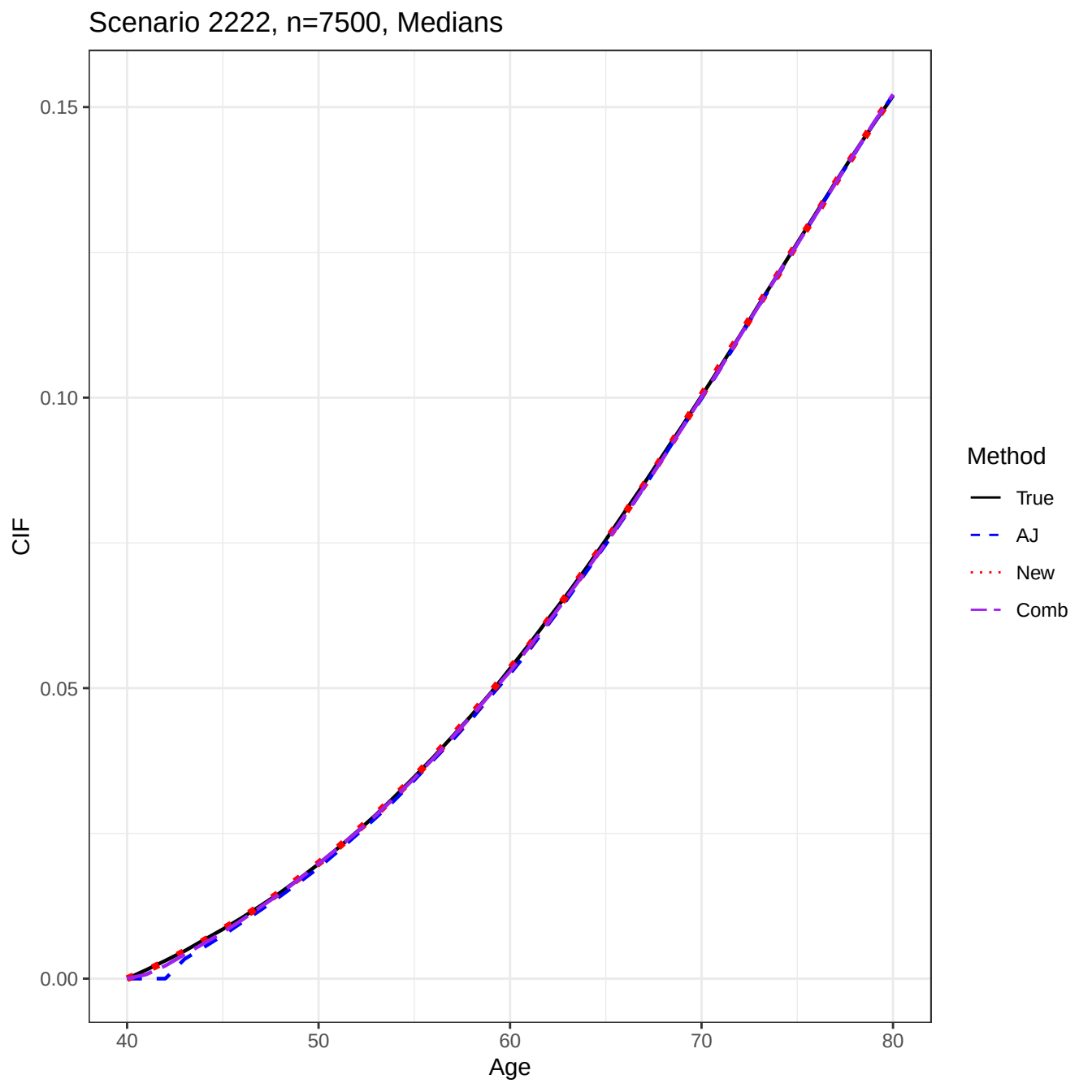
pointwise CI's done by: normal−theory

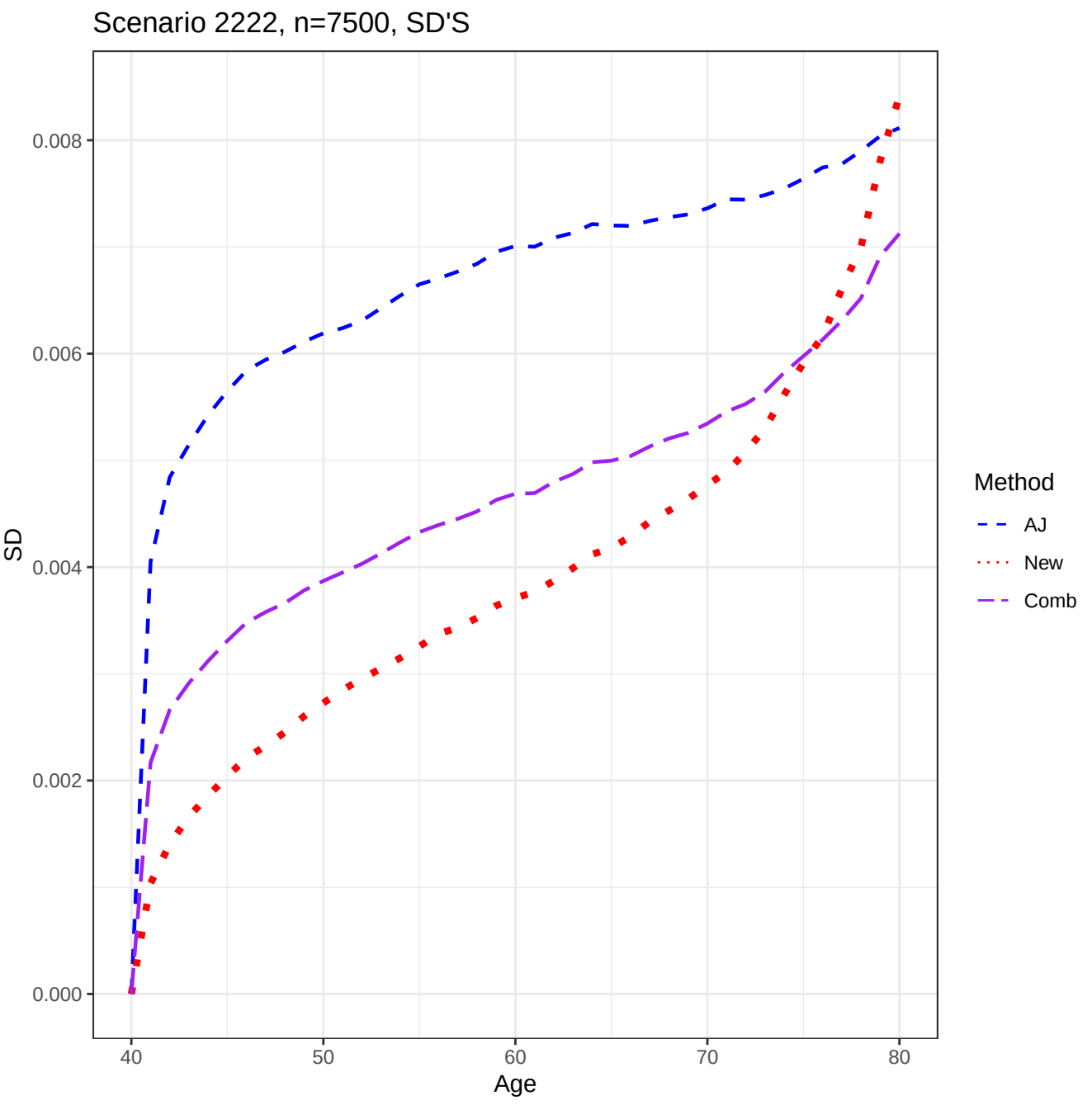
auxflg = FALSE

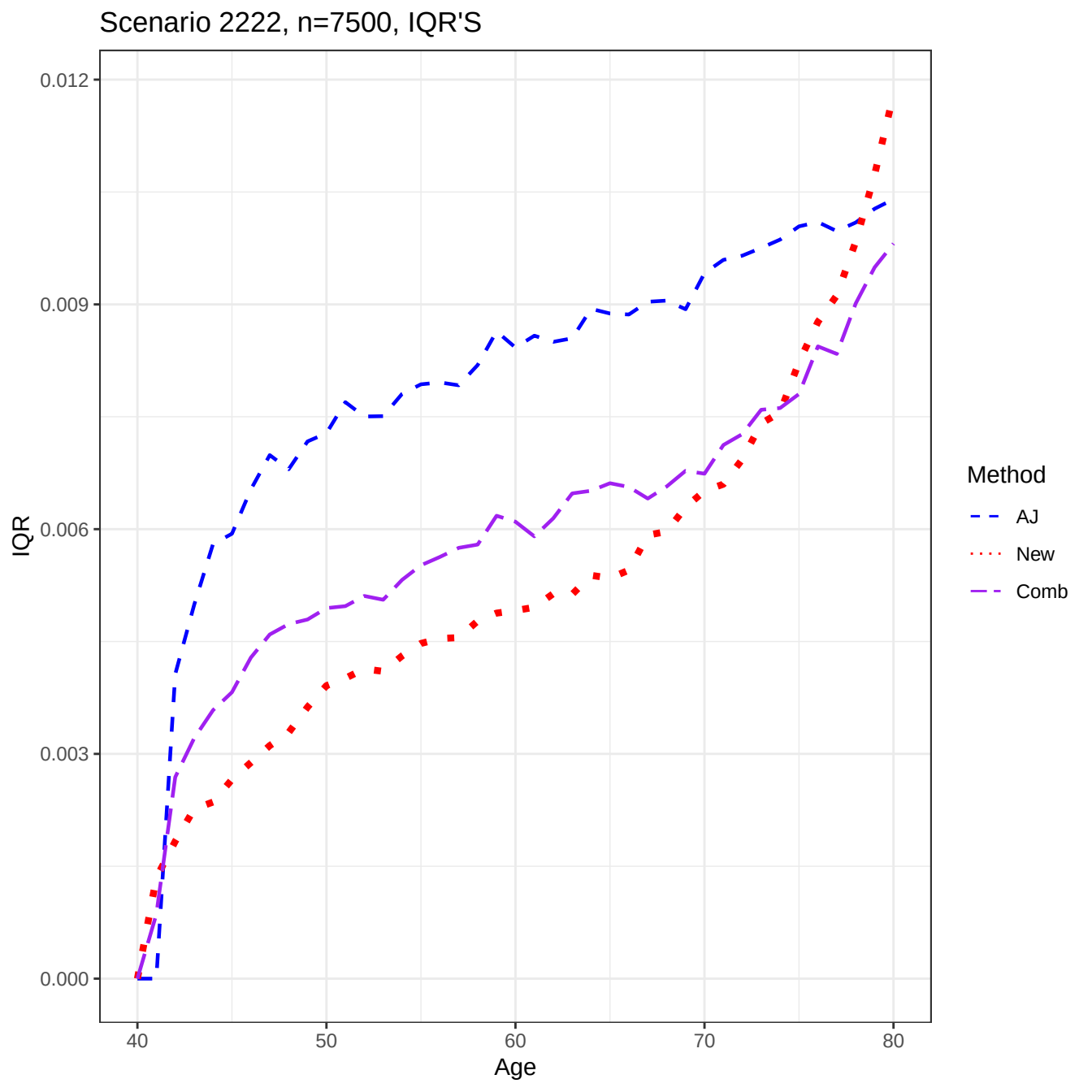
bootstrap weights: normal

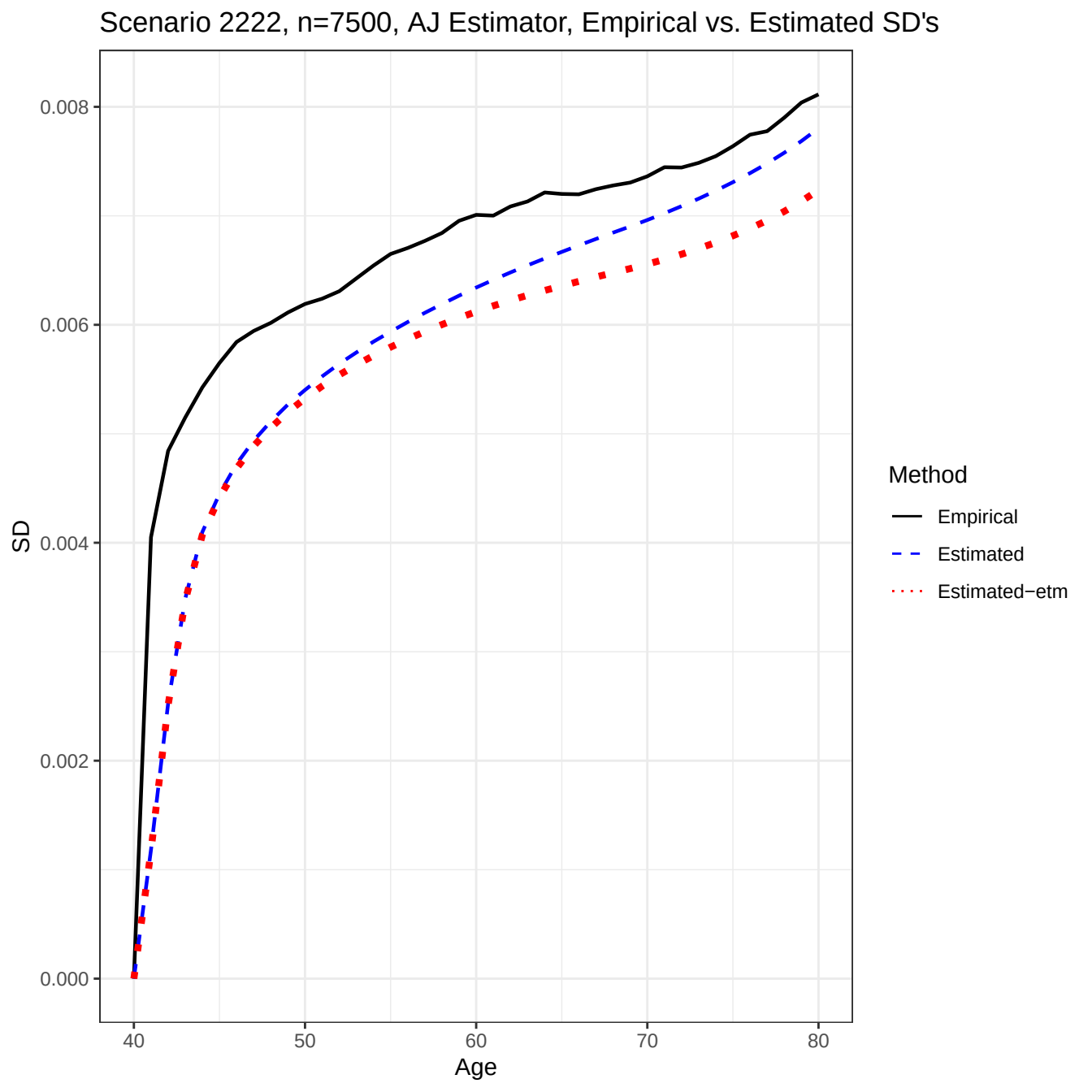
Date/Time: 2024−01−22 19:54:32.498765

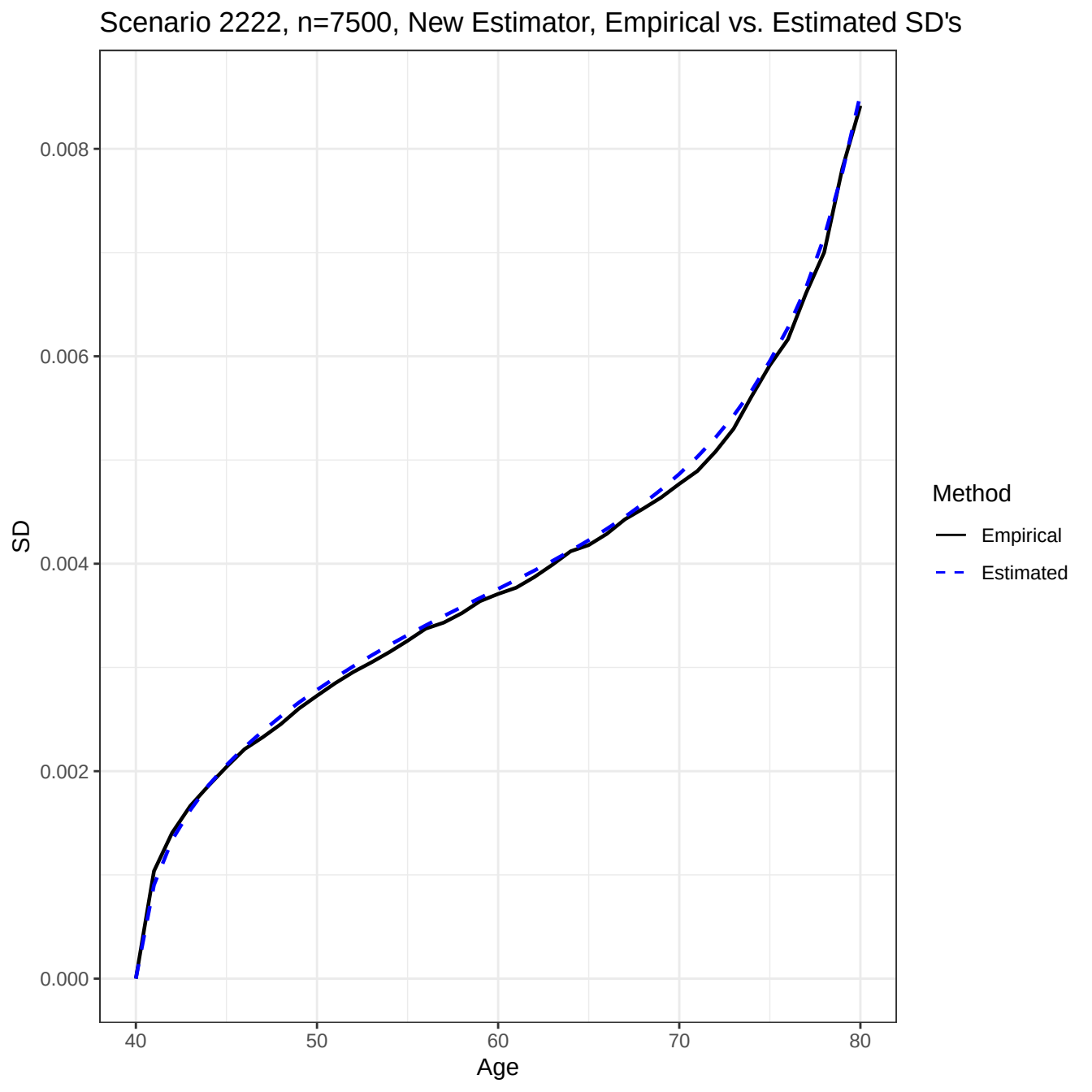

Scenario 2222, n=7500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

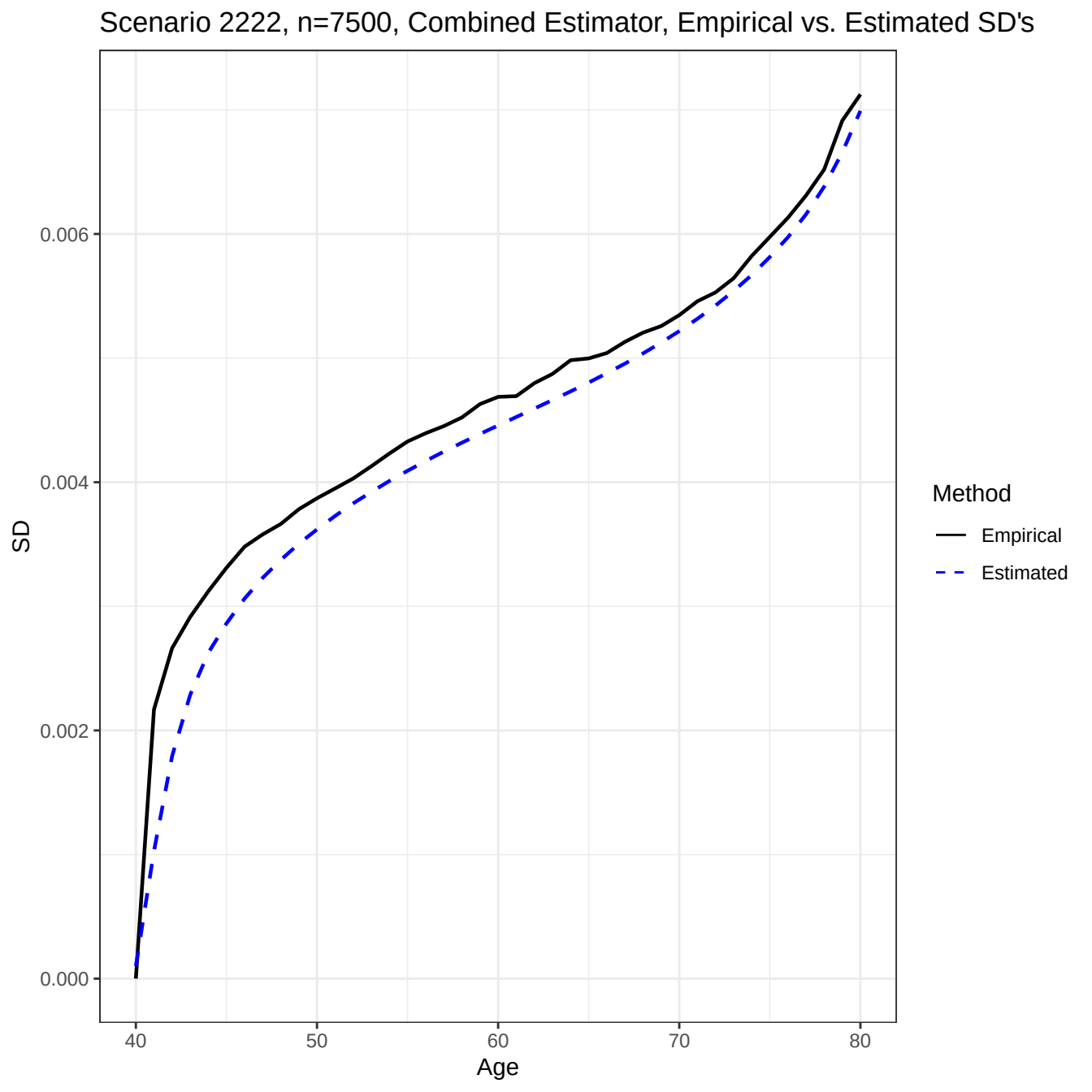

Scenario 2222, n=7500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

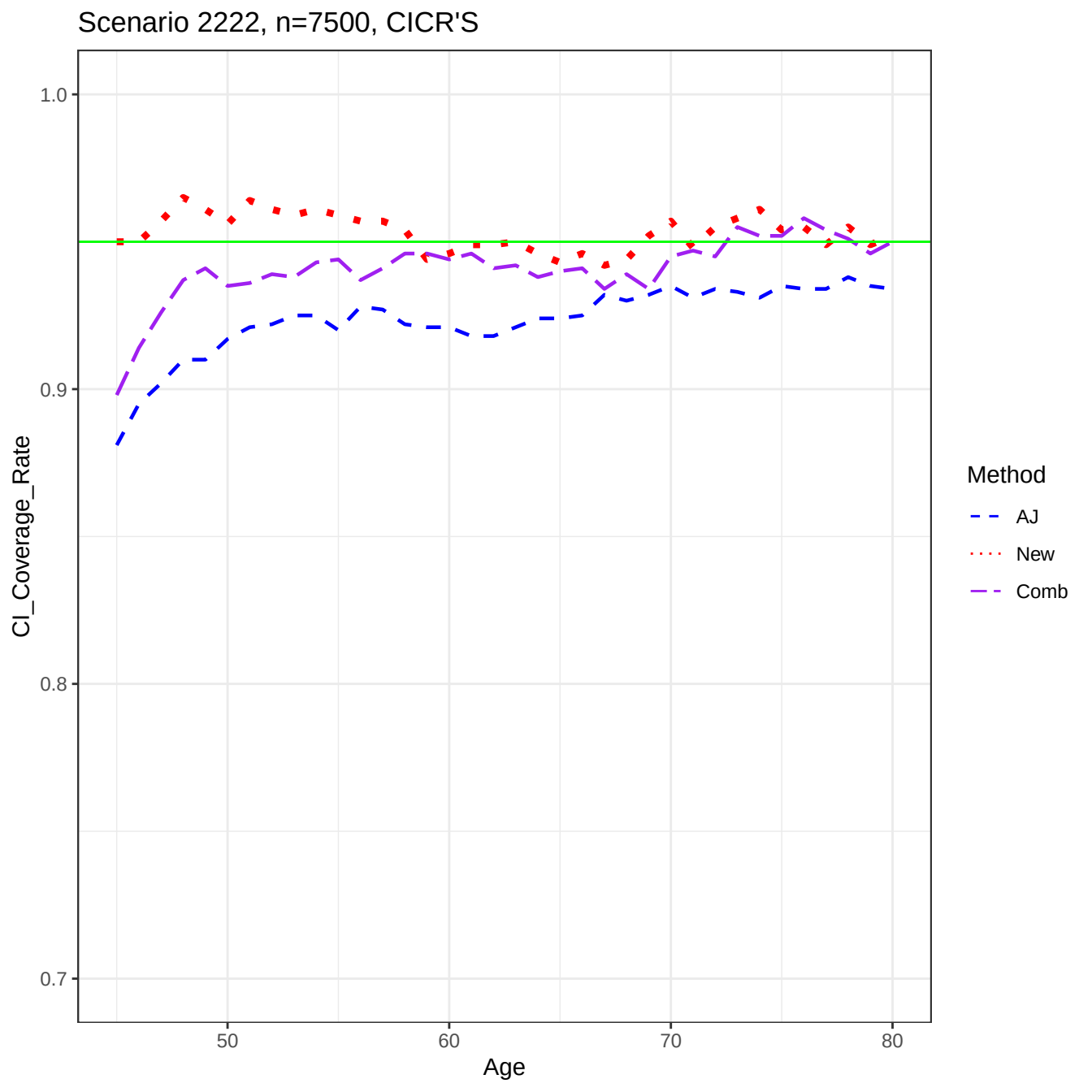

Scenario 2222, n=7500, SD'S
SD
0.000
0.002
0.004
0.006
0.008
40
50
60
70
80
Age
Method
AJ
New
Comb

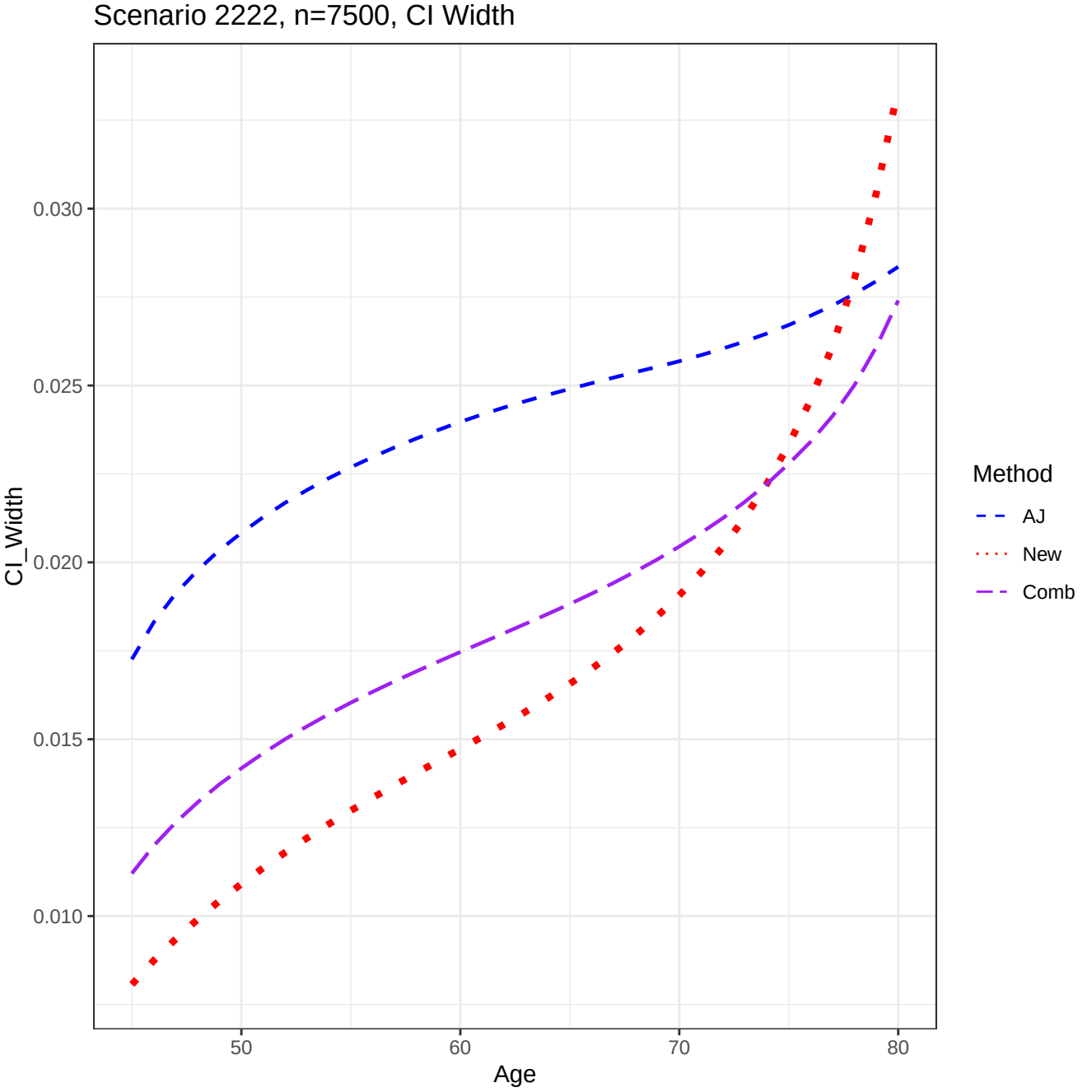

Scenario 2222, n=7500, IQR'S
0.012
0.009
0.006
0.003
0.000
IQR
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2222, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.008
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2222, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.008
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2222, n=7500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2222, n=7500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2222, n=7500, CI Width
CI_Width
0.030
0.025
0.020
0.015
0.010
50
60
70
80
Age
Method
AJ
New
Comb

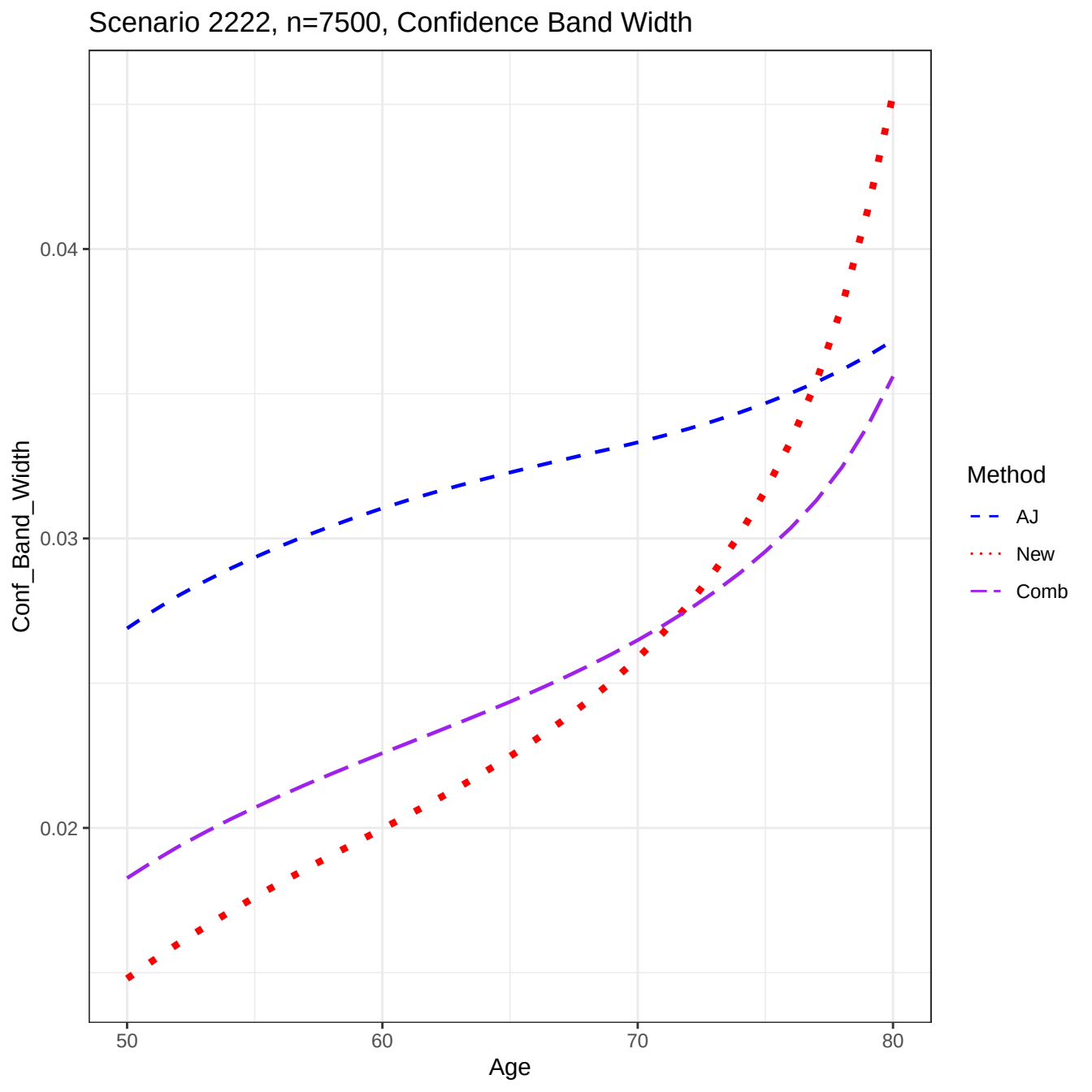
CONFIDENCE BAND COVERAGE RATES

Scenario: 2222

AJ: 0.927

new: 0.948

Combo: 0.928


Scenario 2222, n=7500, Confidence Band Width
Conf_Band_Width
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 3111

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

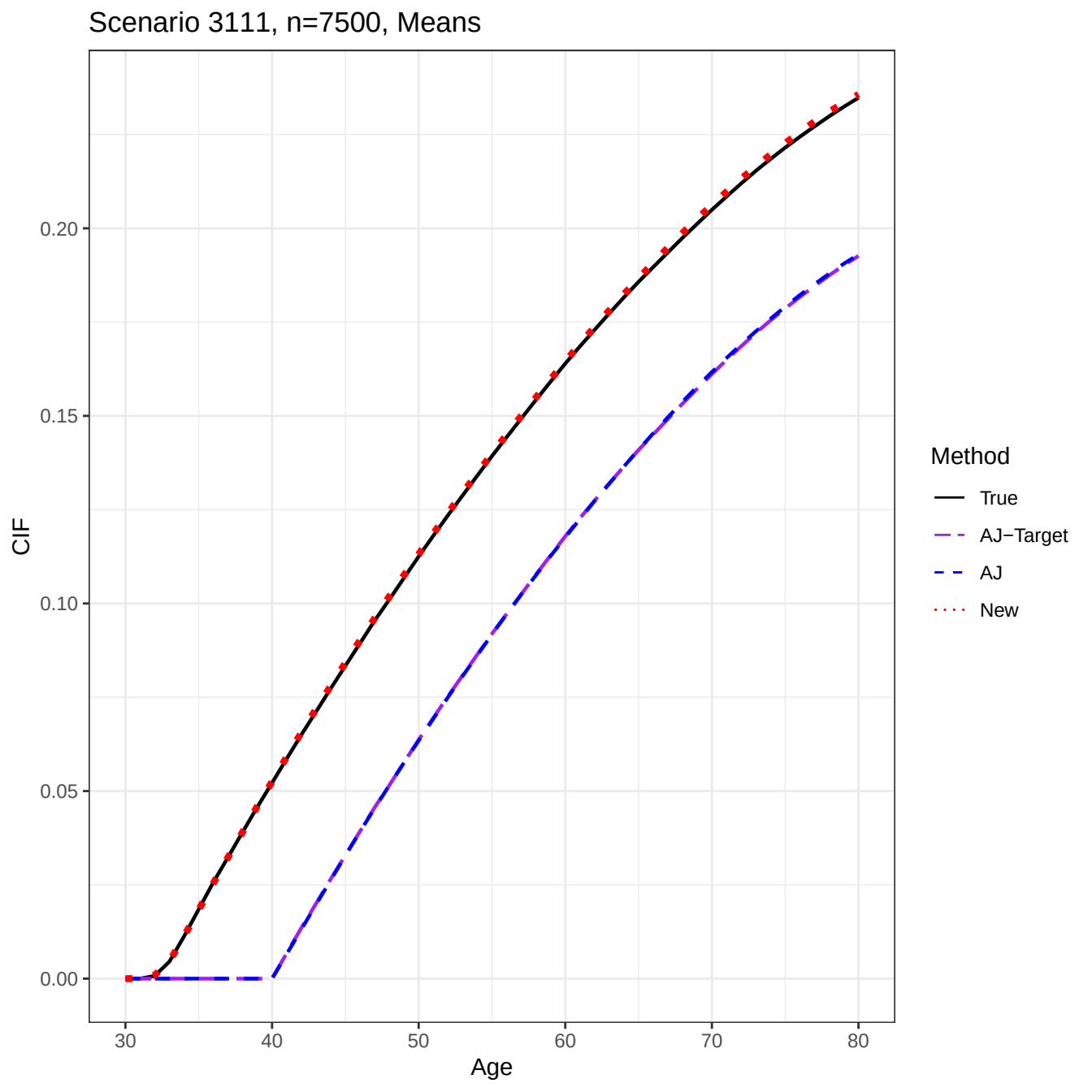
transformation: 0.5*pi − asin(sqrt(1−u))

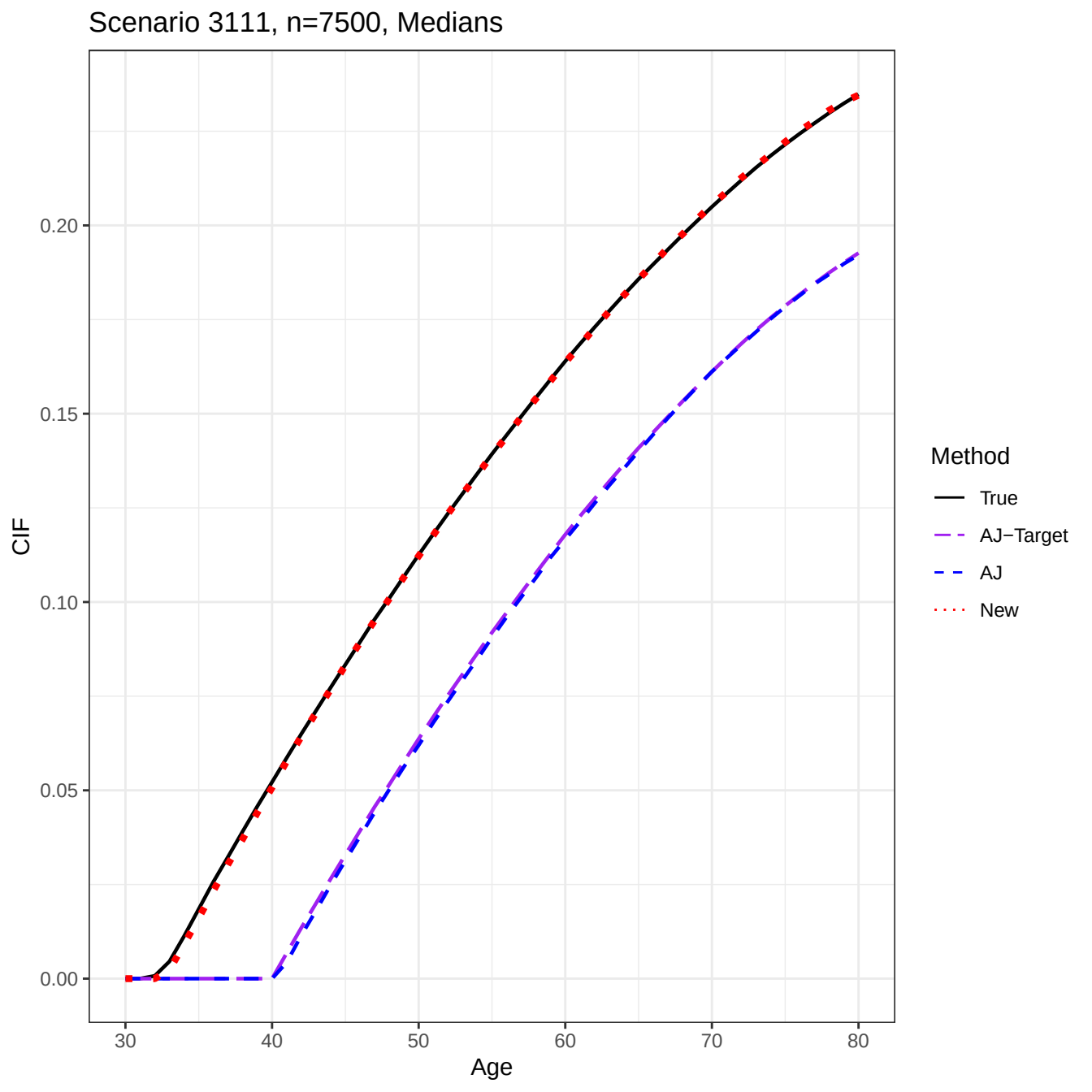
pointwise CI's done by: normal−theory

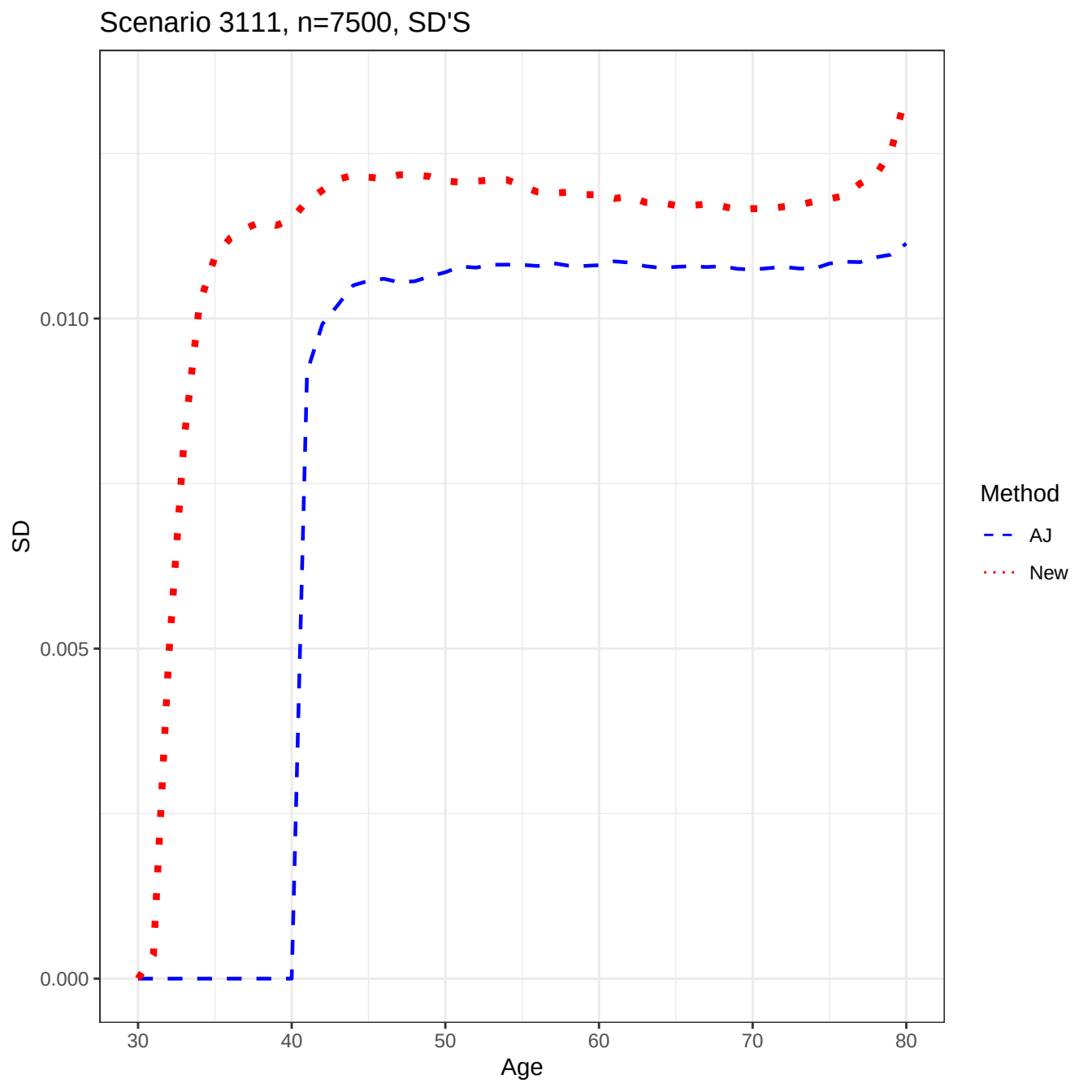
auxflg = FALSE

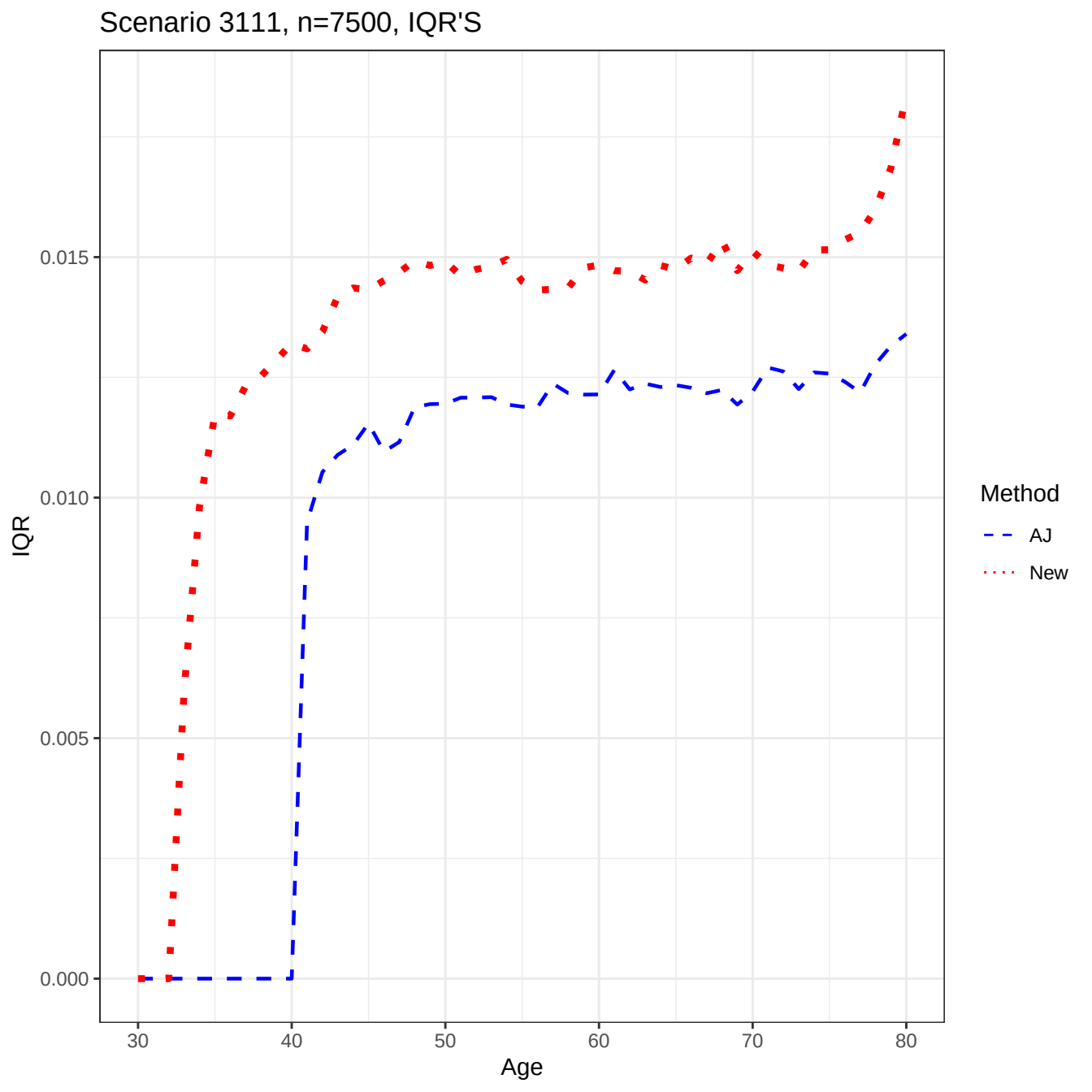
bootstrap weights: normal

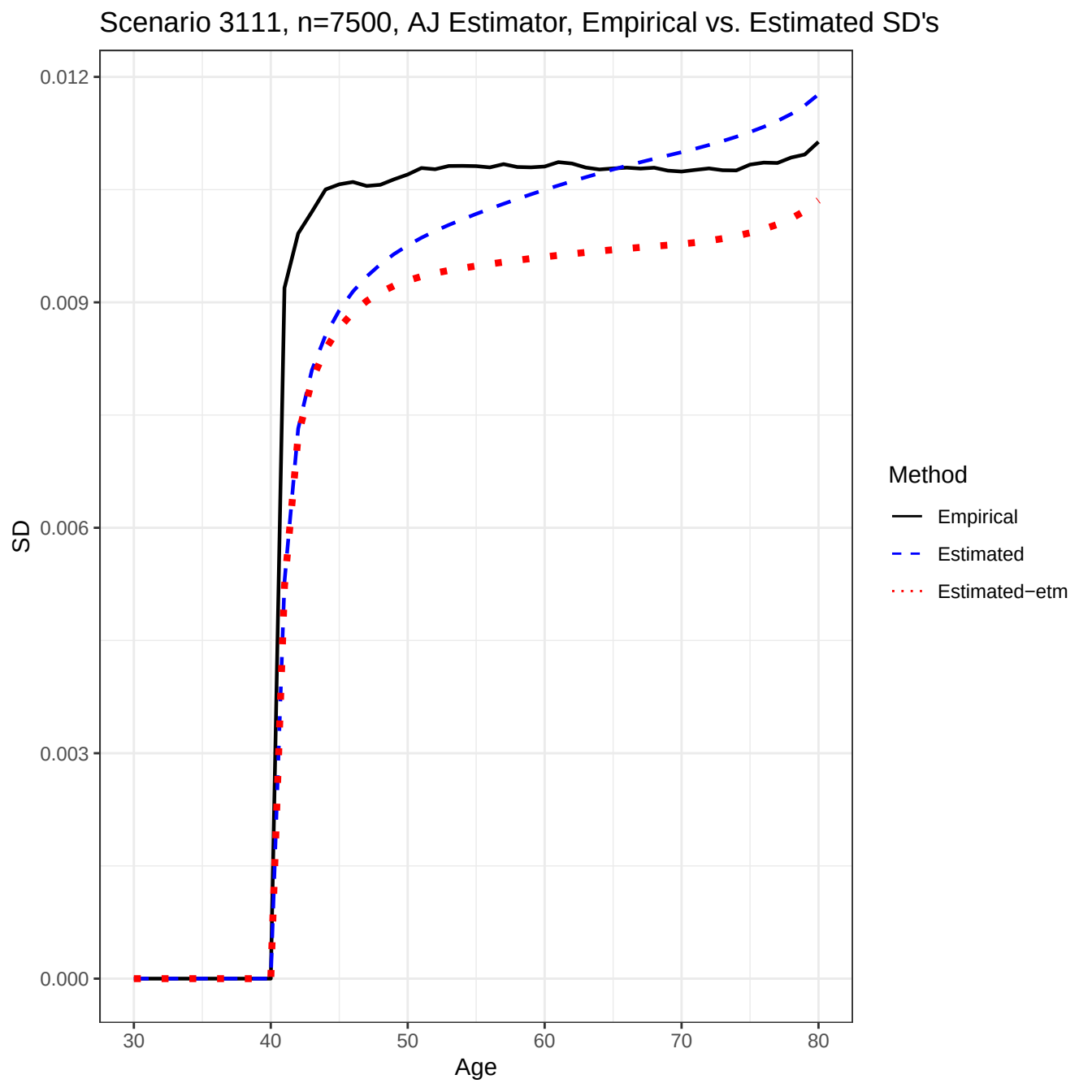
Date/Time: 2024−01−22 21:43:48.88647

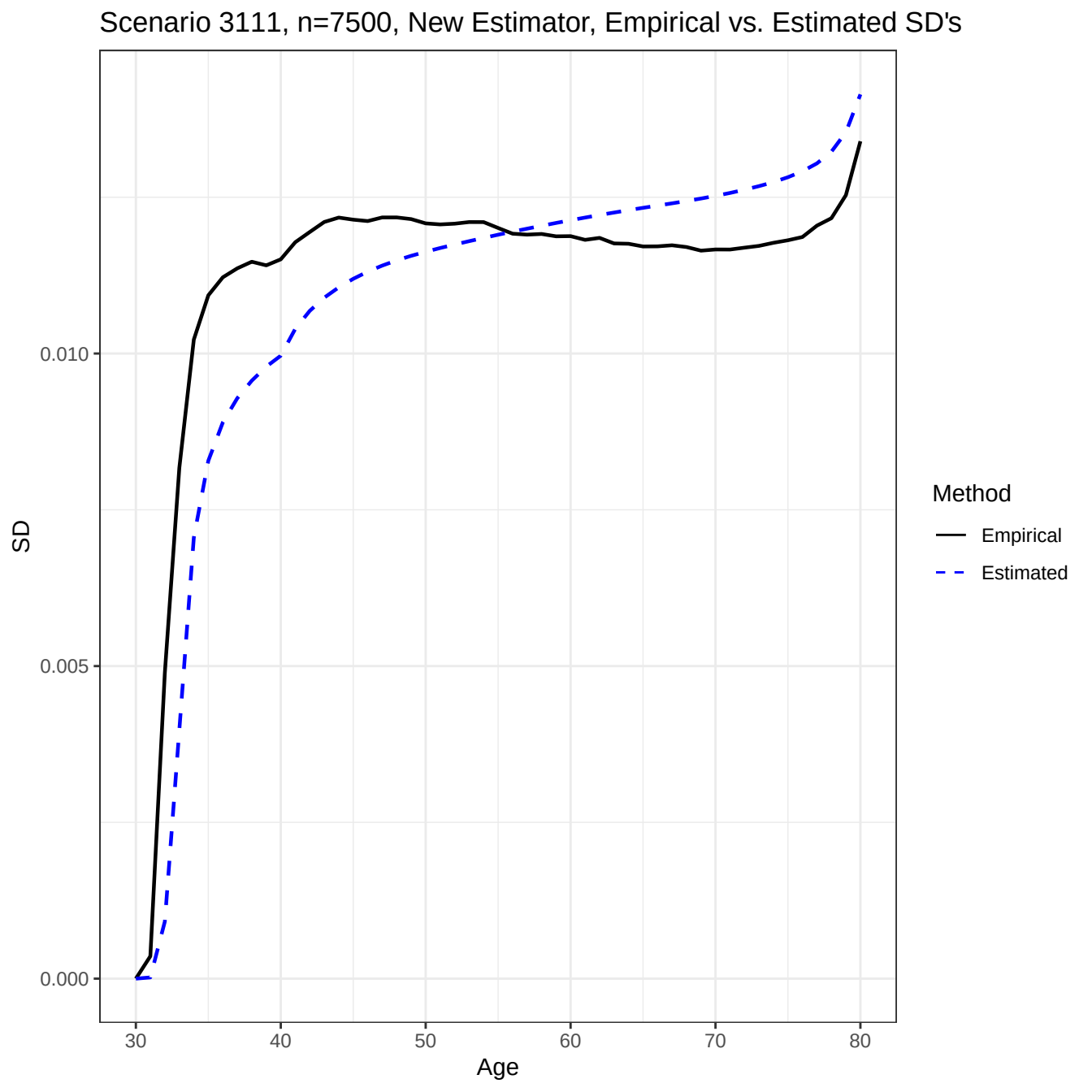

Scenario 3111, n=7500, Means
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

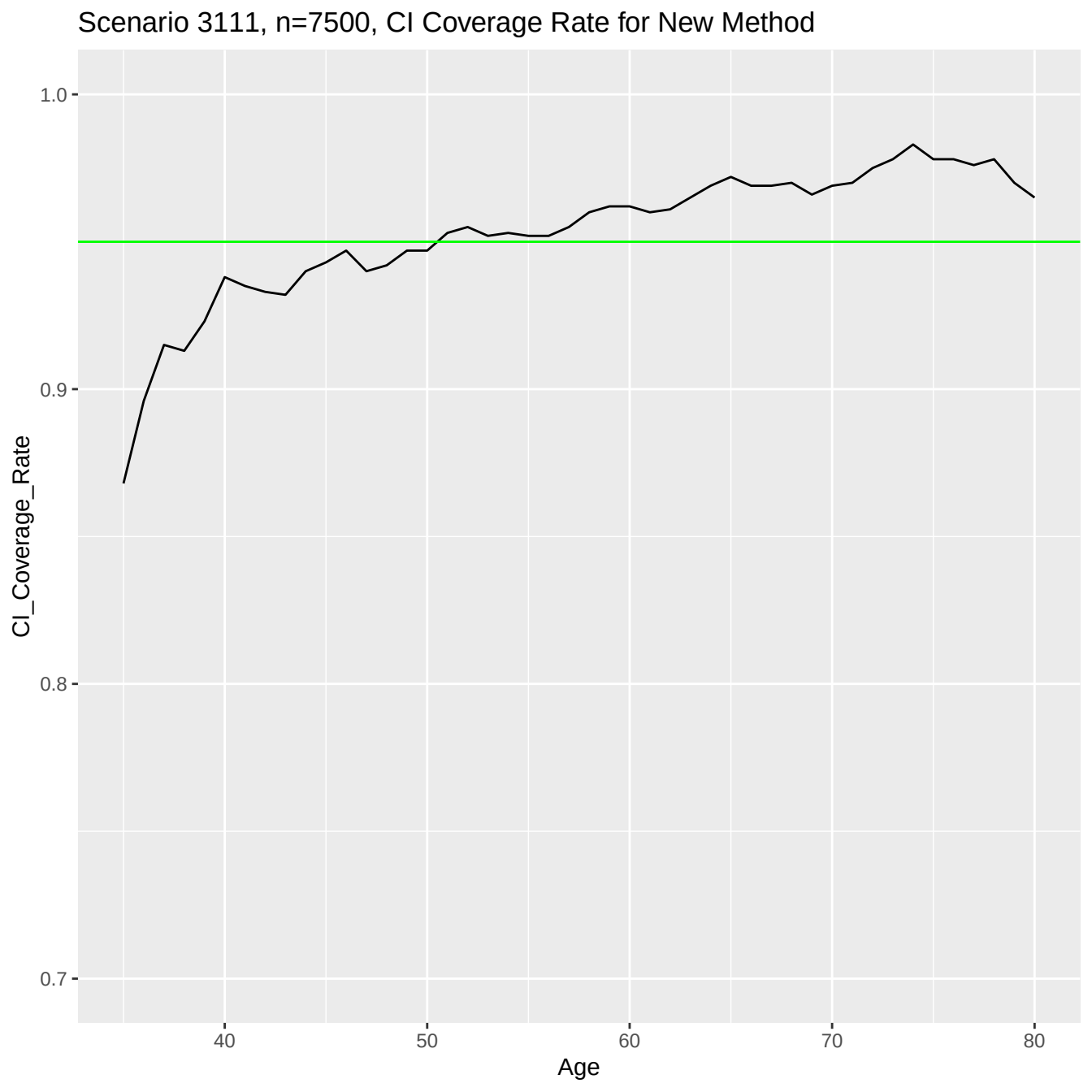

Scenario 3111, n=7500, Medians
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

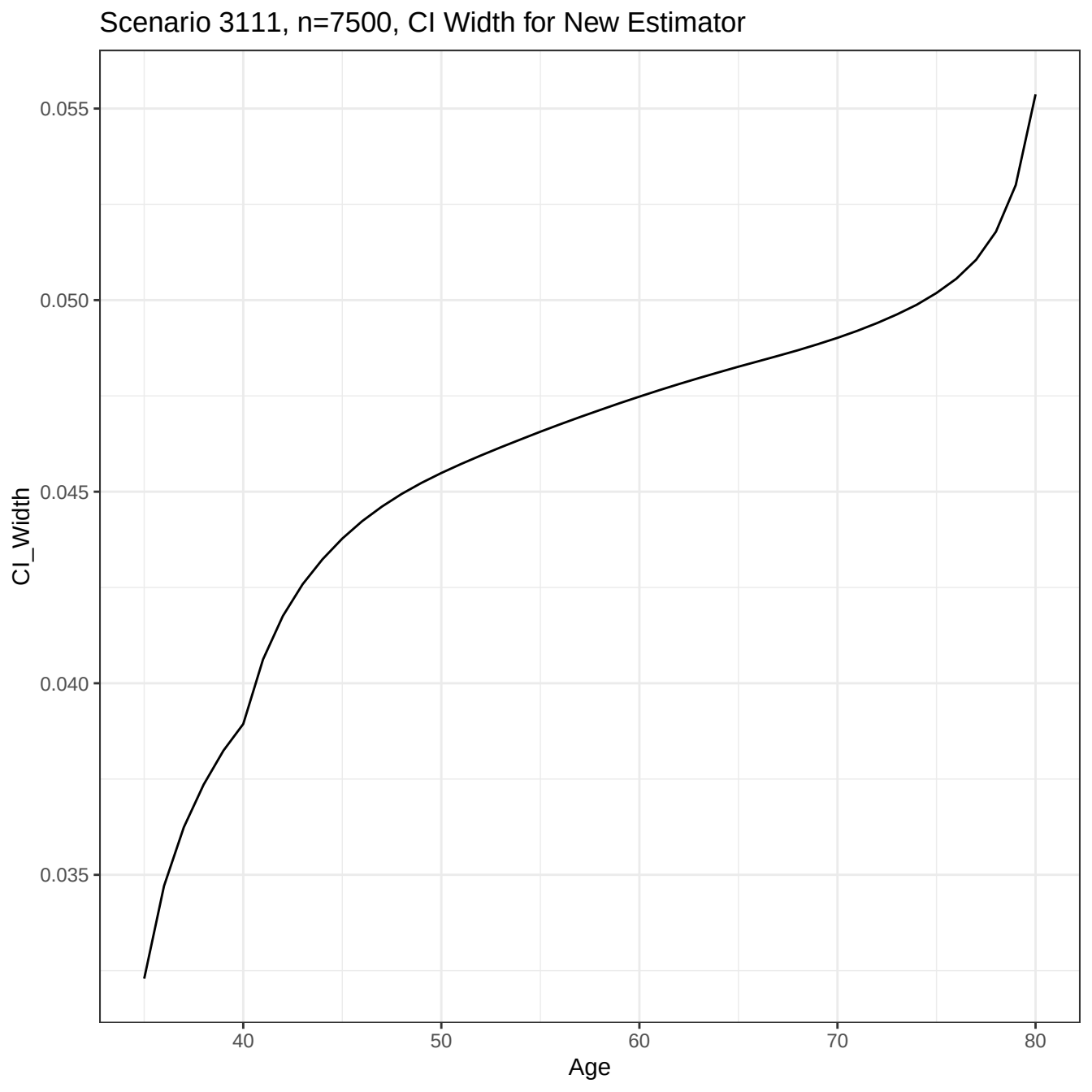

Scenario 3111, n=7500, SD'S
SD
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3111, n=7500, IQR'S
IQR
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3111, n=7500, AJ Estimator, Empirical vs. Estimated SD's
0.012
0.009
0.006
0.003
0.000
SD
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3111, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3111, n=7500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3111, n=7500, CI Width for New Estimator
0.055
0.050
0.045
0.040
0.035
CI_Width
40
50
60
70
80
Age

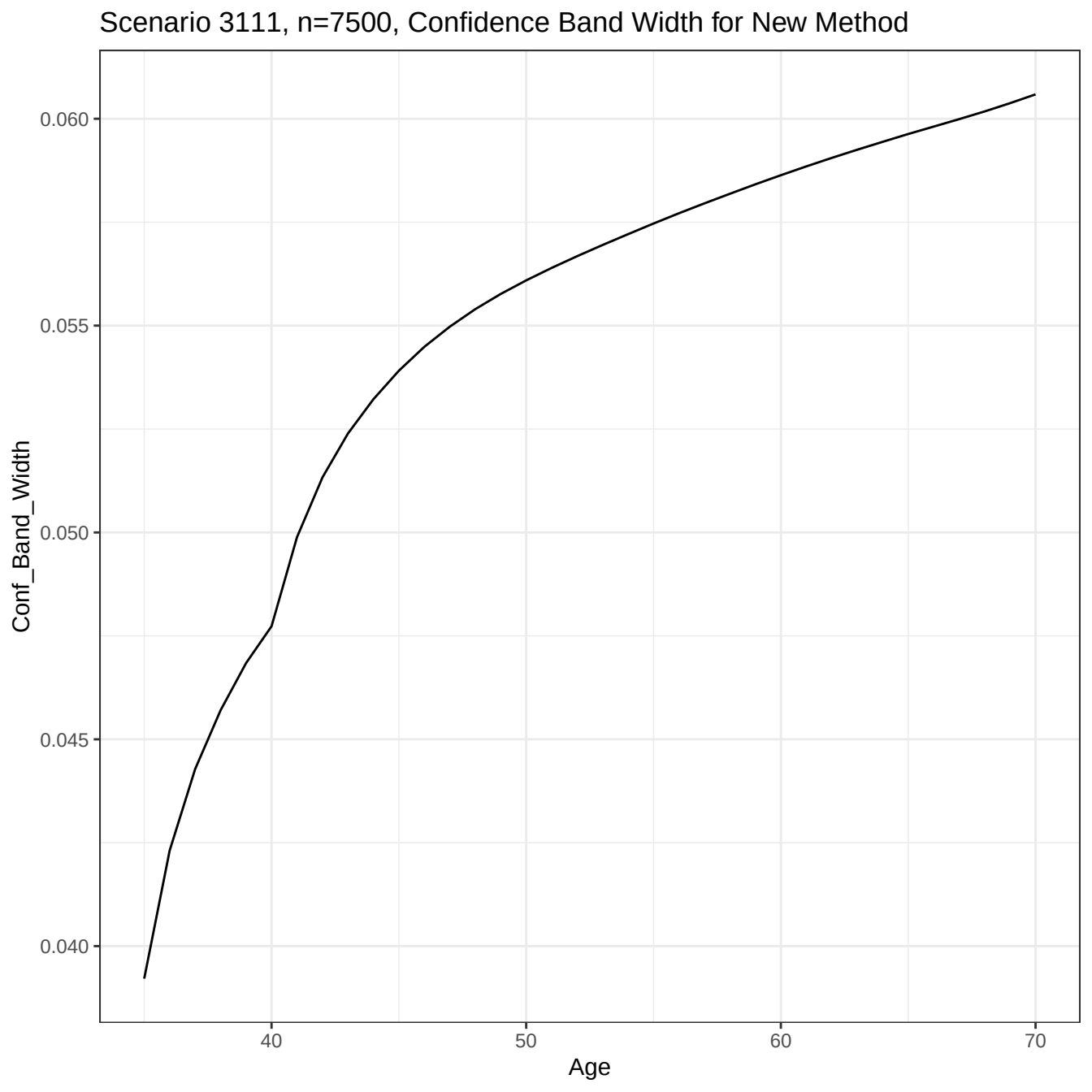
CONFIDENCE BAND COVERAGE RATES

Scenario: 3111

AJ0: 0

AJ: 0.624

New: 0.904


Scenario 3111, n=7500, Confidence Band Width for New Method
Conf_Band_Width
0.060
0.055
0.050
0.045
0.040
40
50
60
70
Age

SETTINGS

Scenario: 3112

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

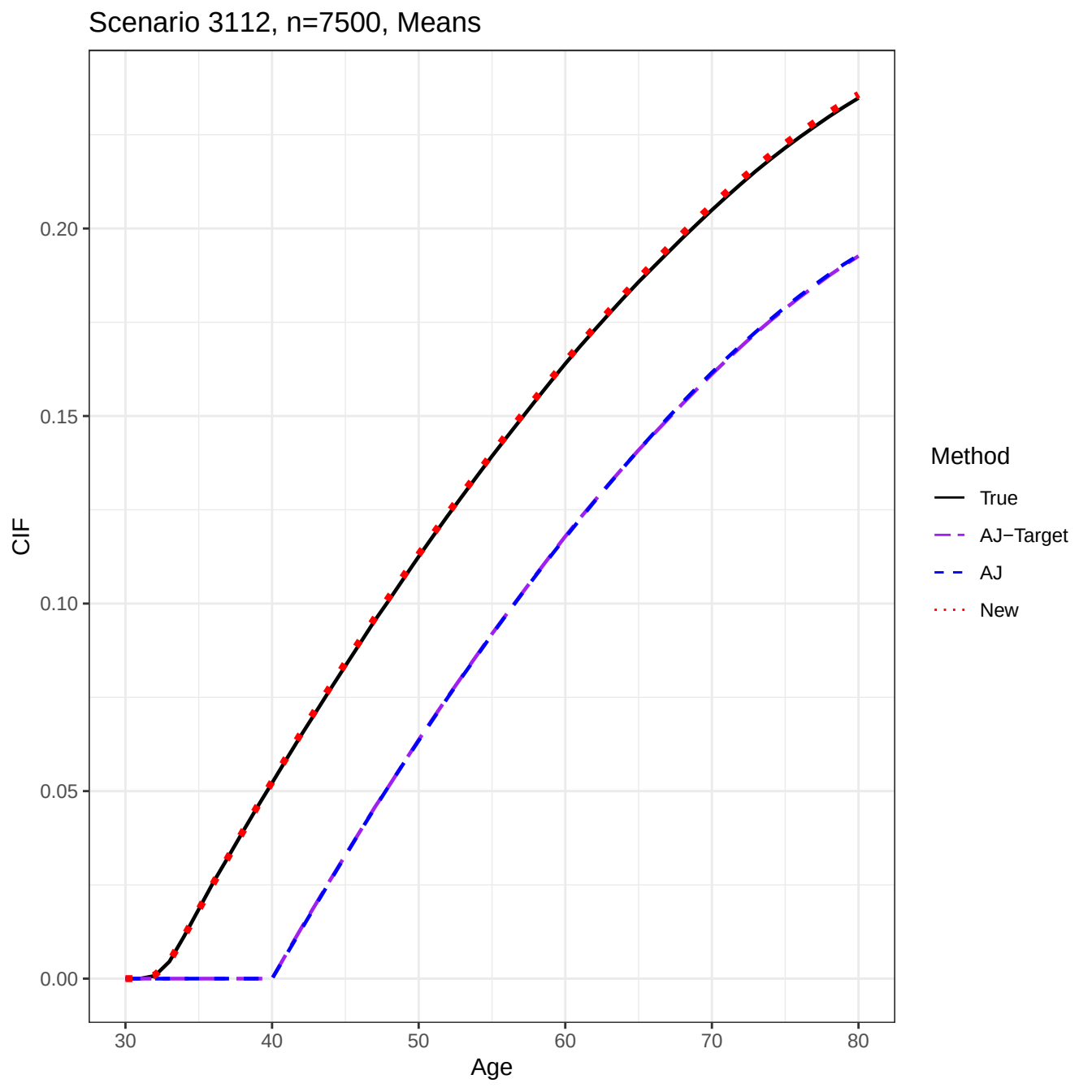
transformation: 0.5*pi − asin(sqrt(1−u))

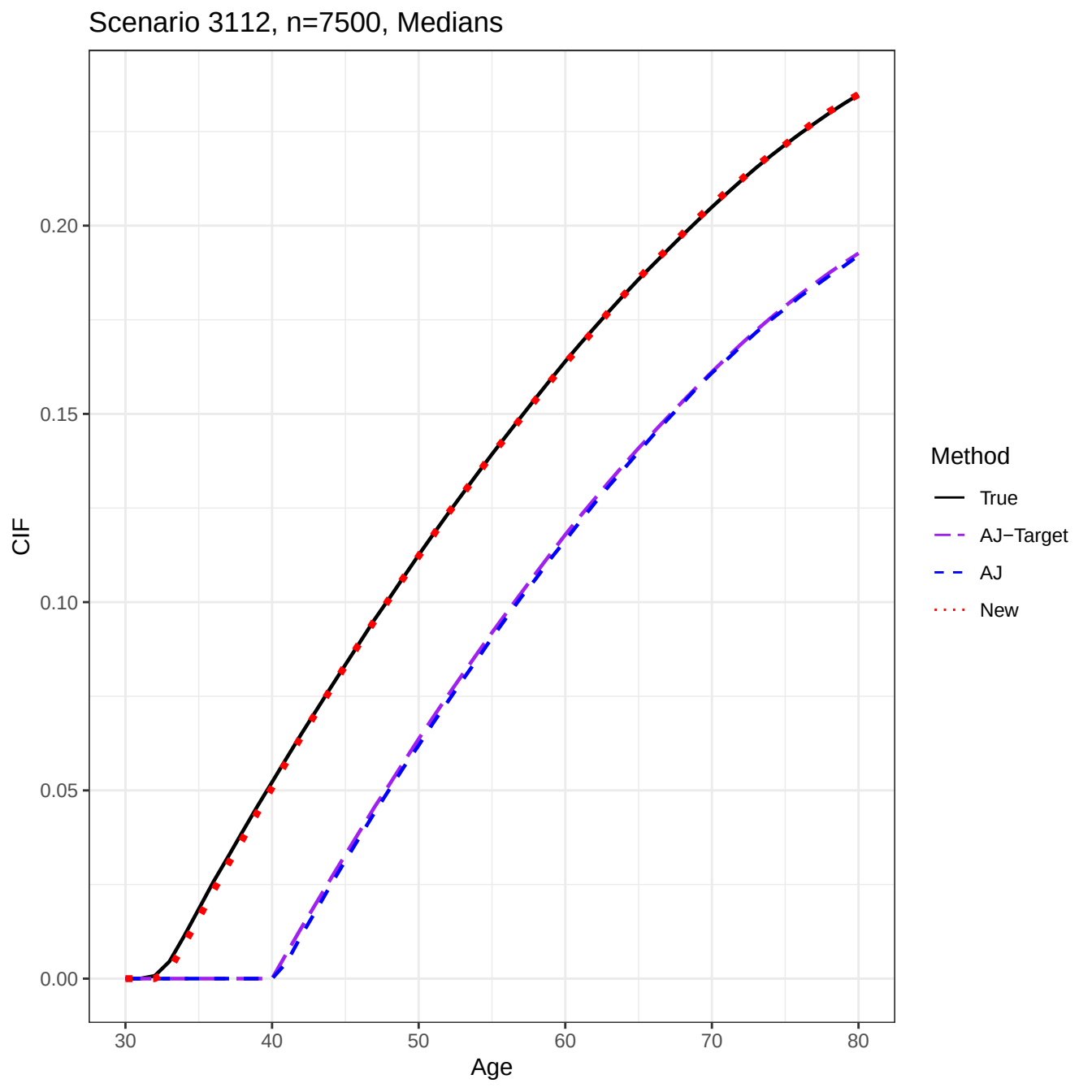
pointwise CI's done by: normal−theory

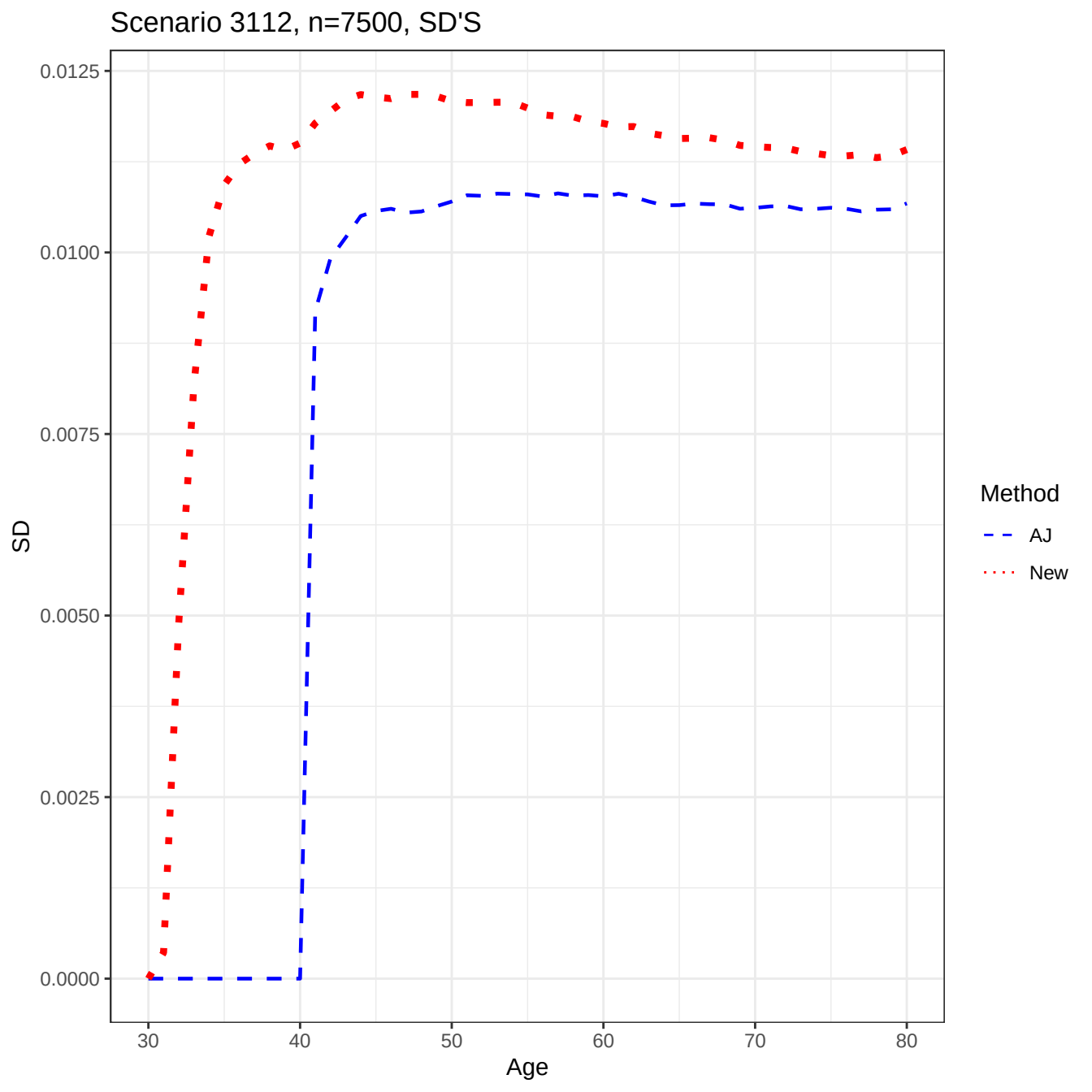
auxflg = FALSE

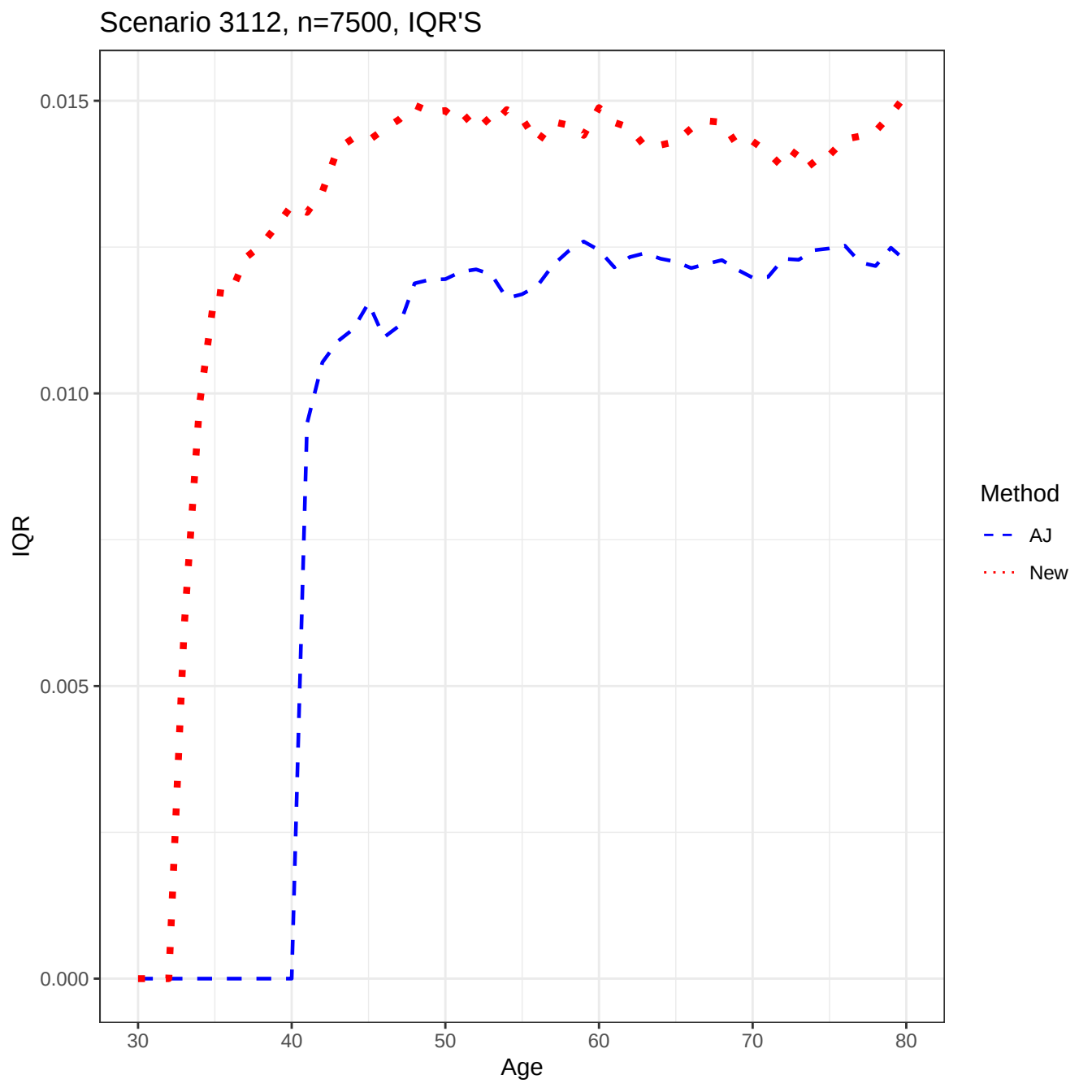
bootstrap weights: normal

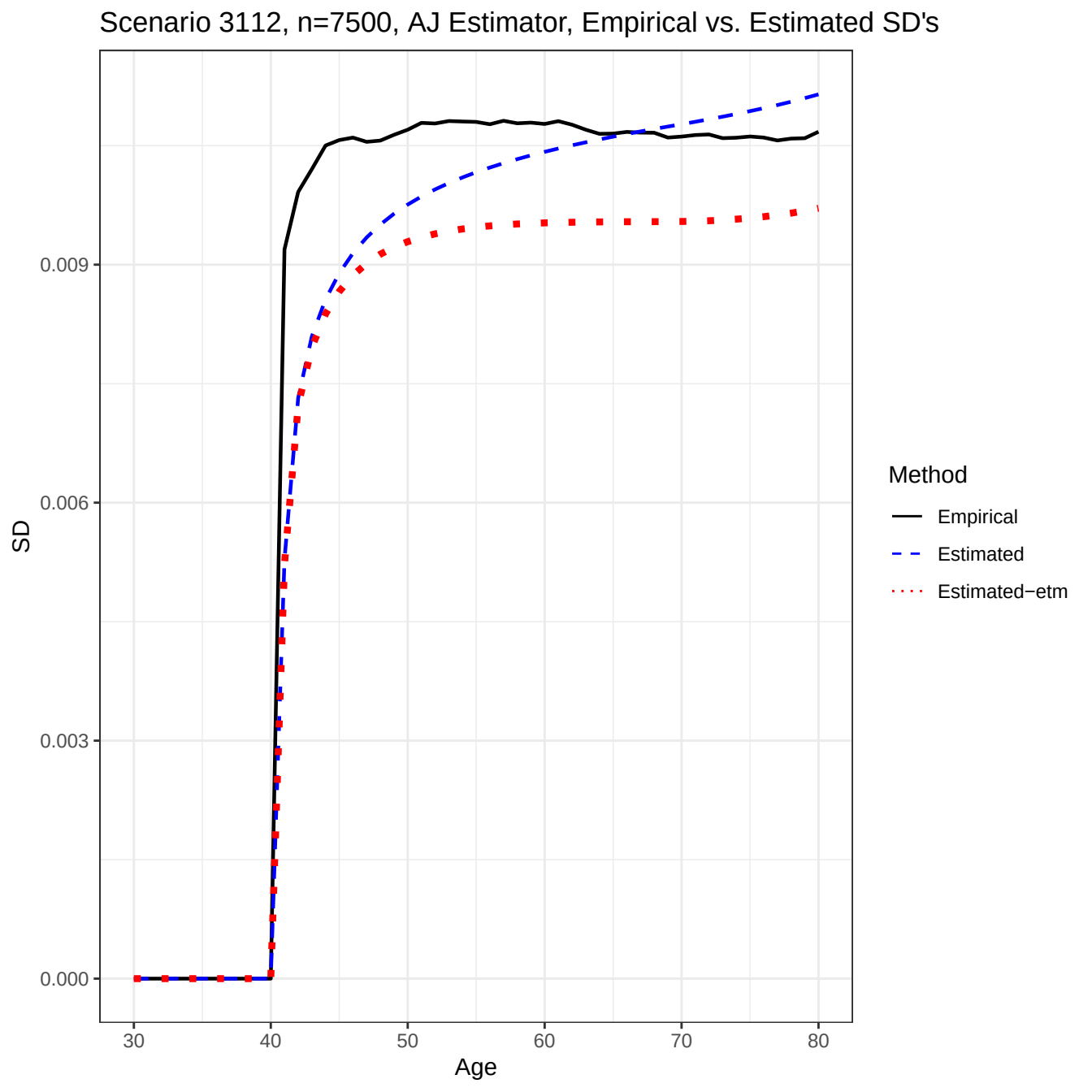
Date/Time: 2024−01−23 03:12:06.457809

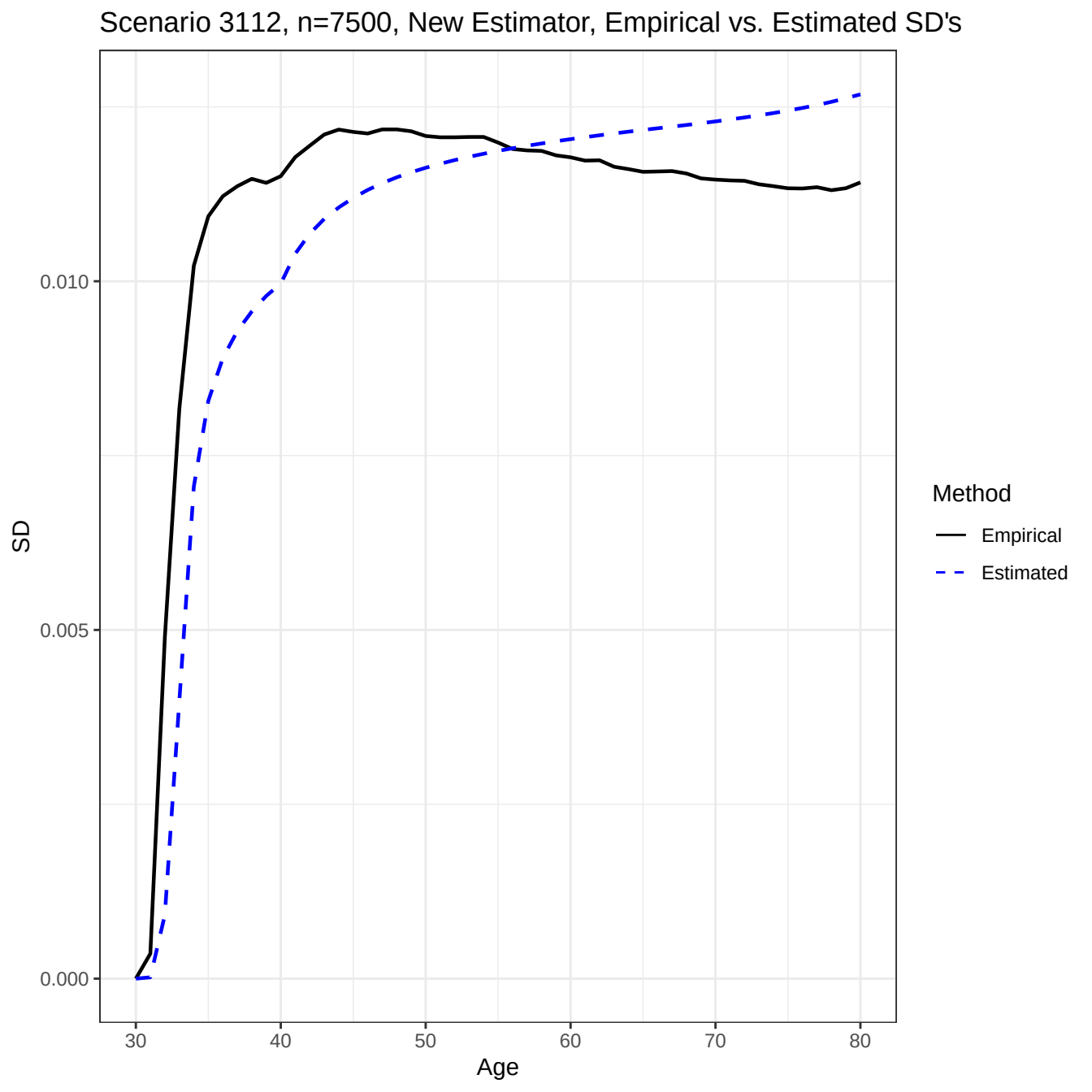

Scenario 3112, n=7500, Means
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

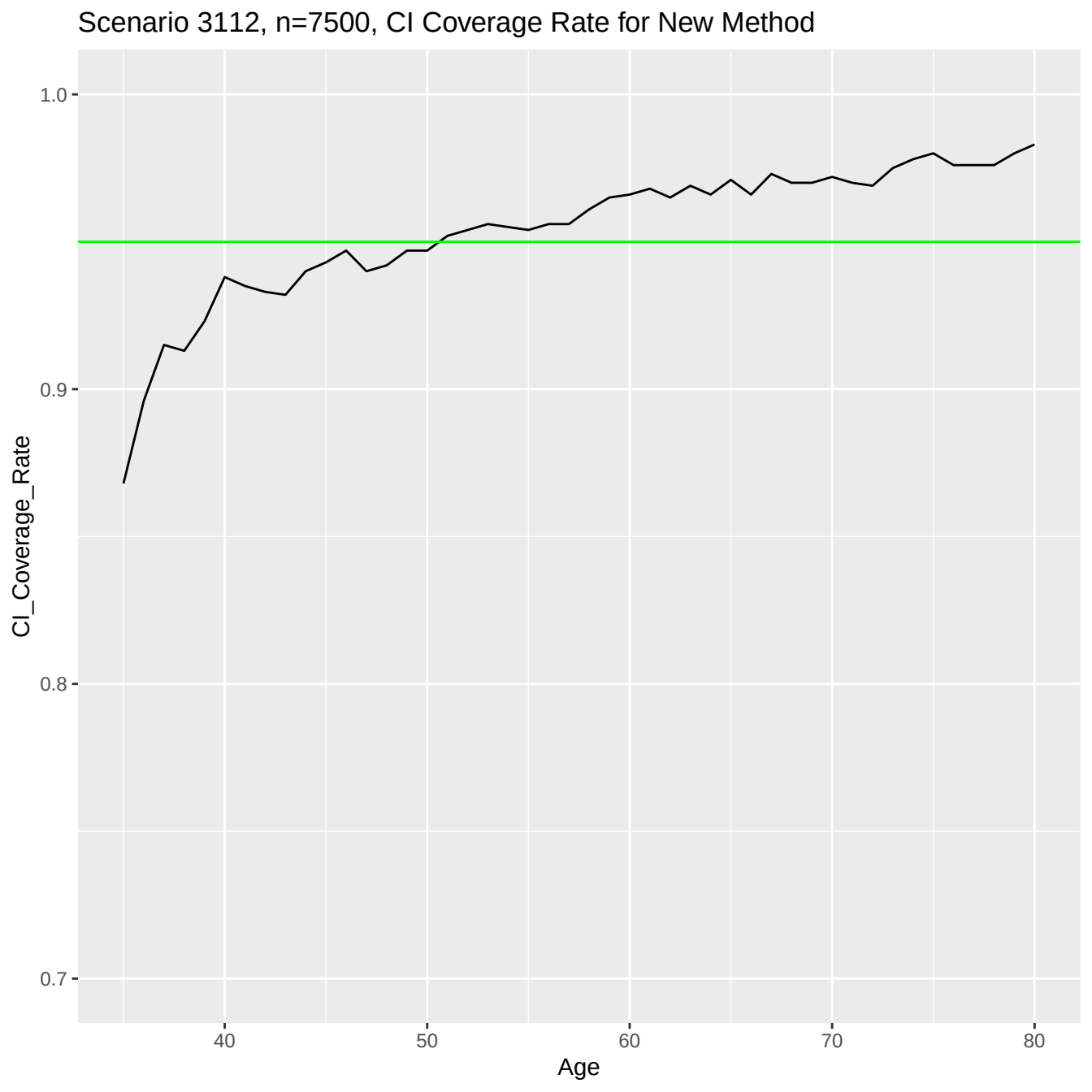

Scenario 3112, n=7500, Medians
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

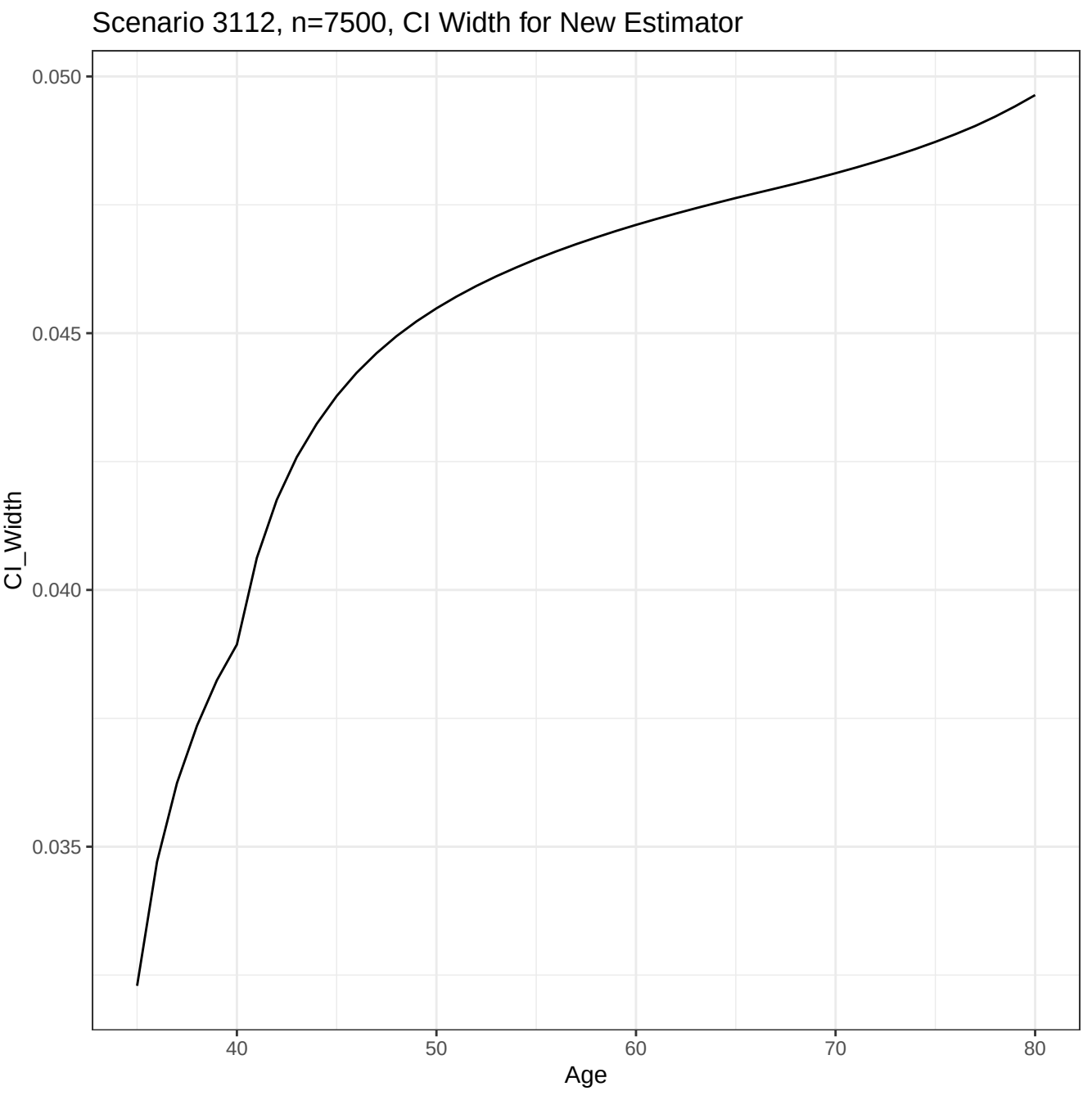

Scenario 3112, n=7500, SD'S
0.0125
0.0100
0.0075
0.0050
0.0025
0.0000
SD
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3112, n=7500, IQR'S
0.015
0.010
0.005
0.000
IQR
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3112, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.009
0.006
0.003
0.000
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3112, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3112, n=7500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3112, n=7500, CI Width for New Estimator
0.050
0.045
0.040
0.035
CI_Width
40
50
60
70
80
Age

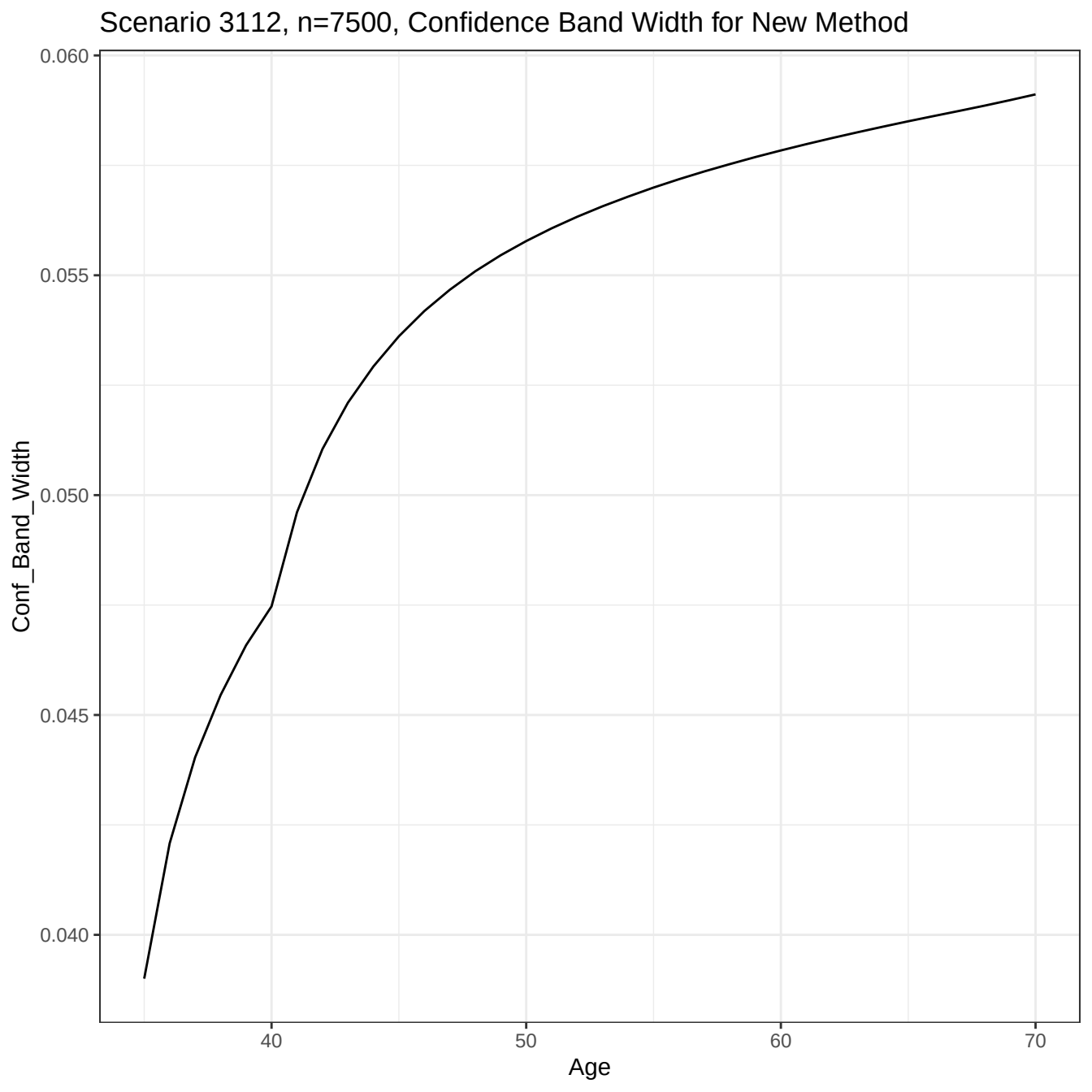
CONFIDENCE BAND COVERAGE RATES

Scenario: 3112

AJ0: 0

AJ: 0.625

New: 0.902


Scenario 3112, n=7500, Confidence Band Width for New Method
0.060
0.055
0.050
0.045
0.040
Conf_Band_Width
40
50
60
70
Age

SETTINGS

Scenario: 3121

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

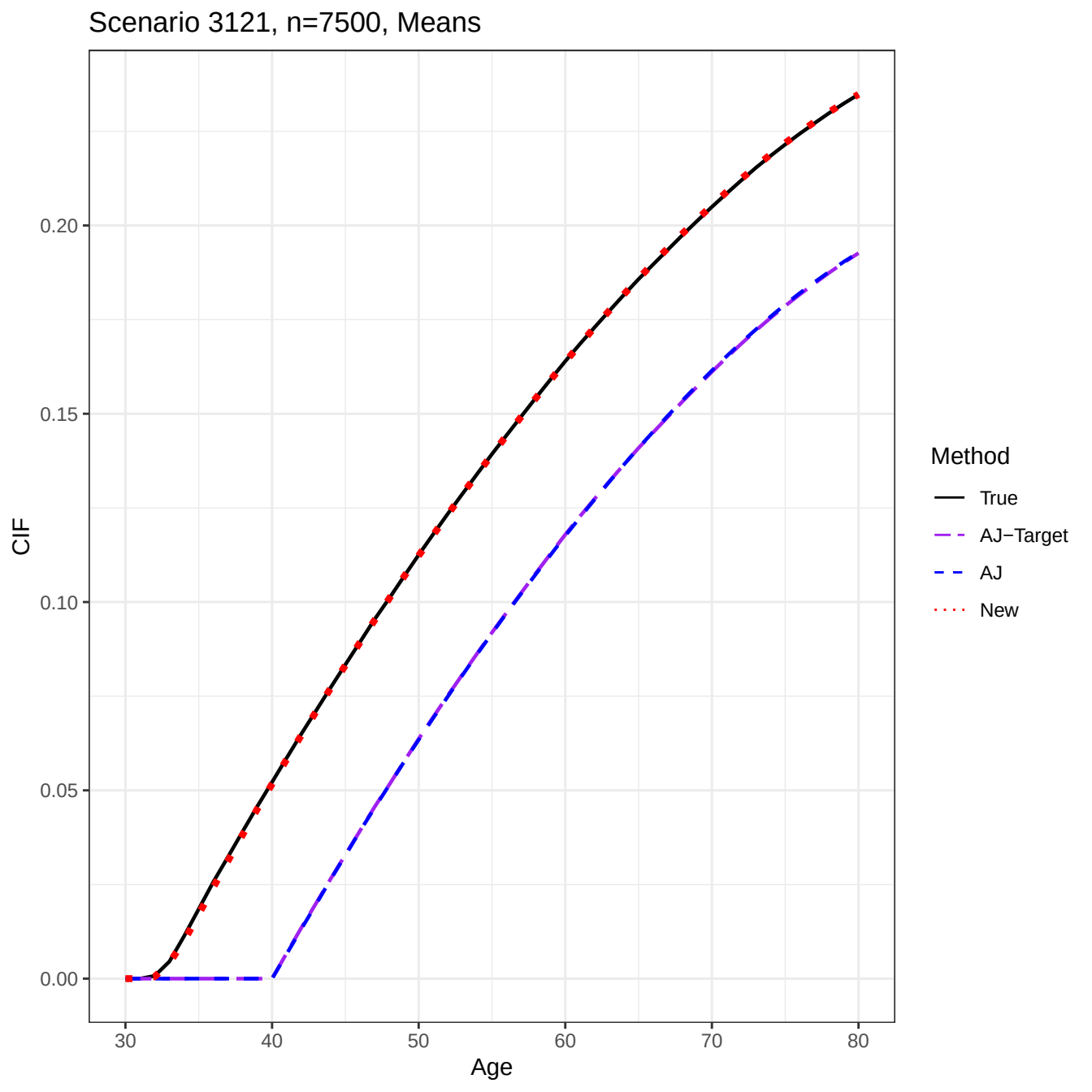
transformation: 0.5*pi − asin(sqrt(1−u))

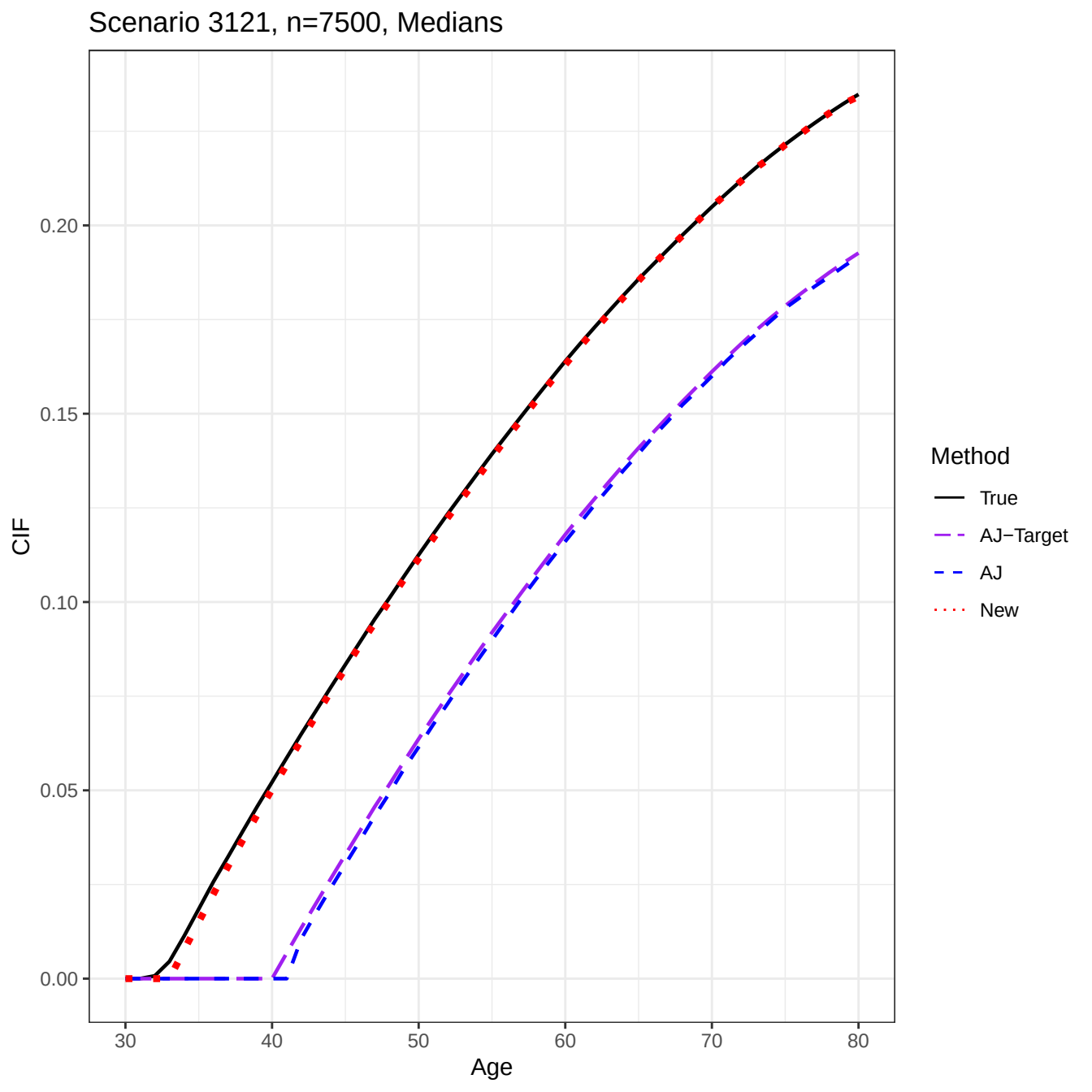
pointwise CI's done by: normal−theory

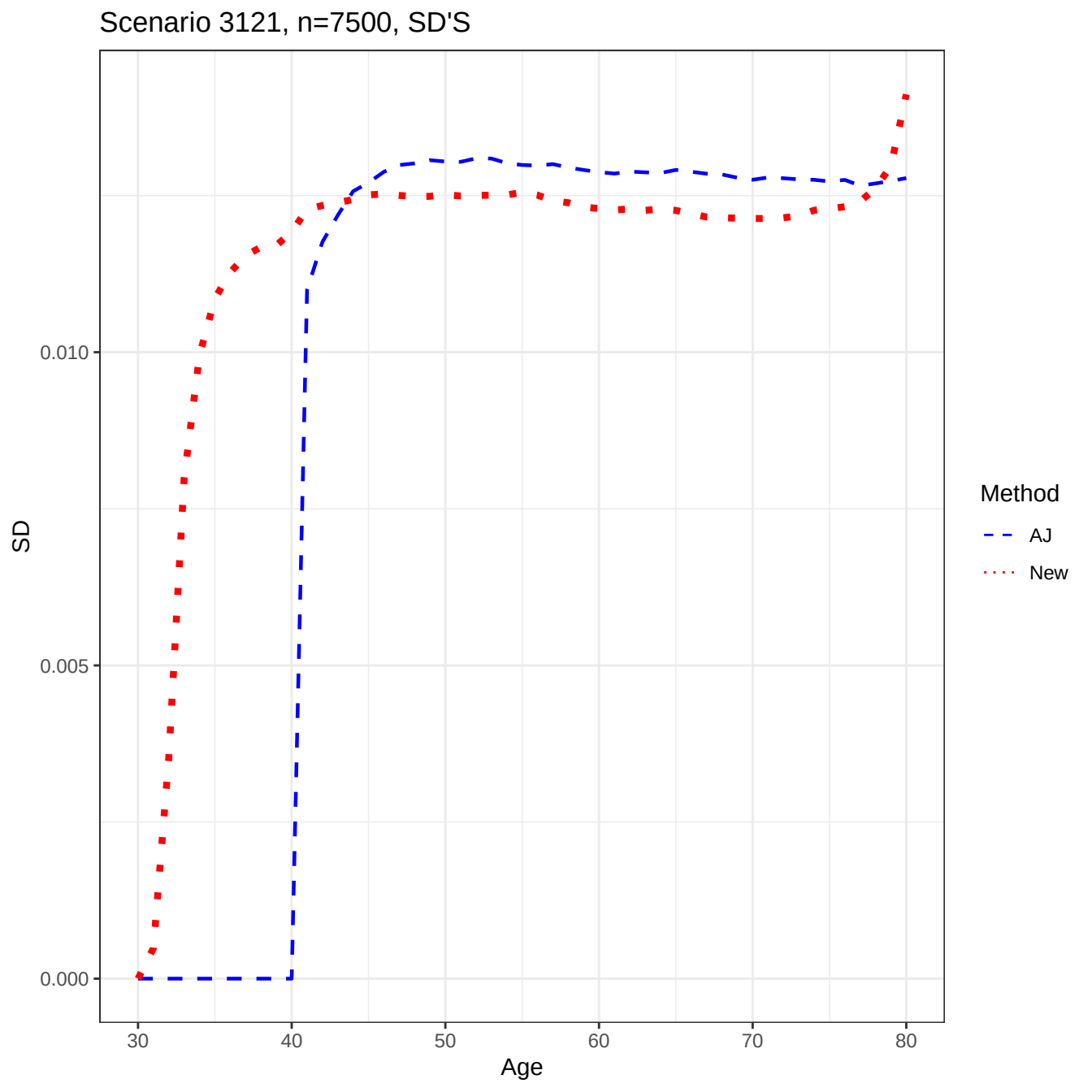
auxflg = FALSE

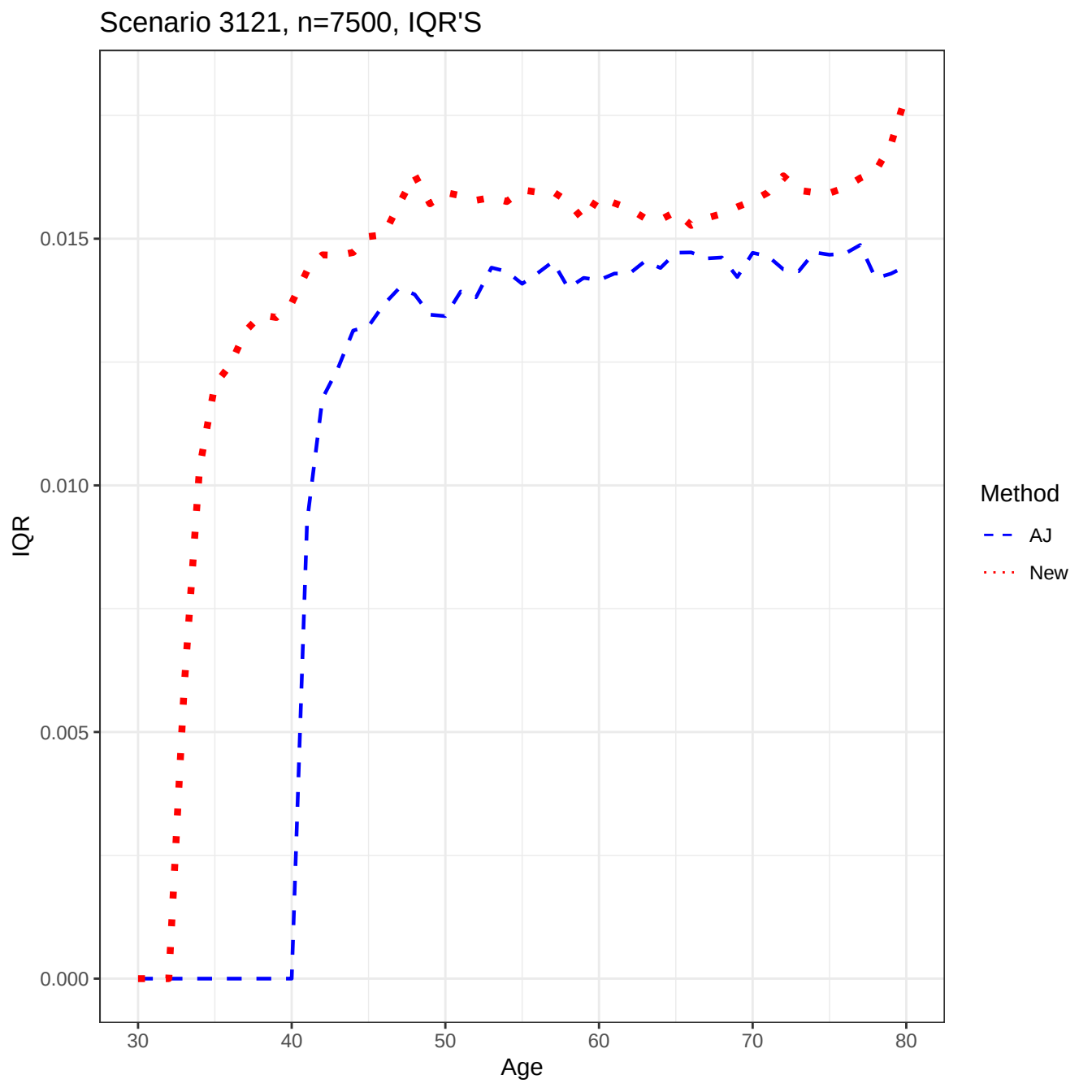
bootstrap weights: normal

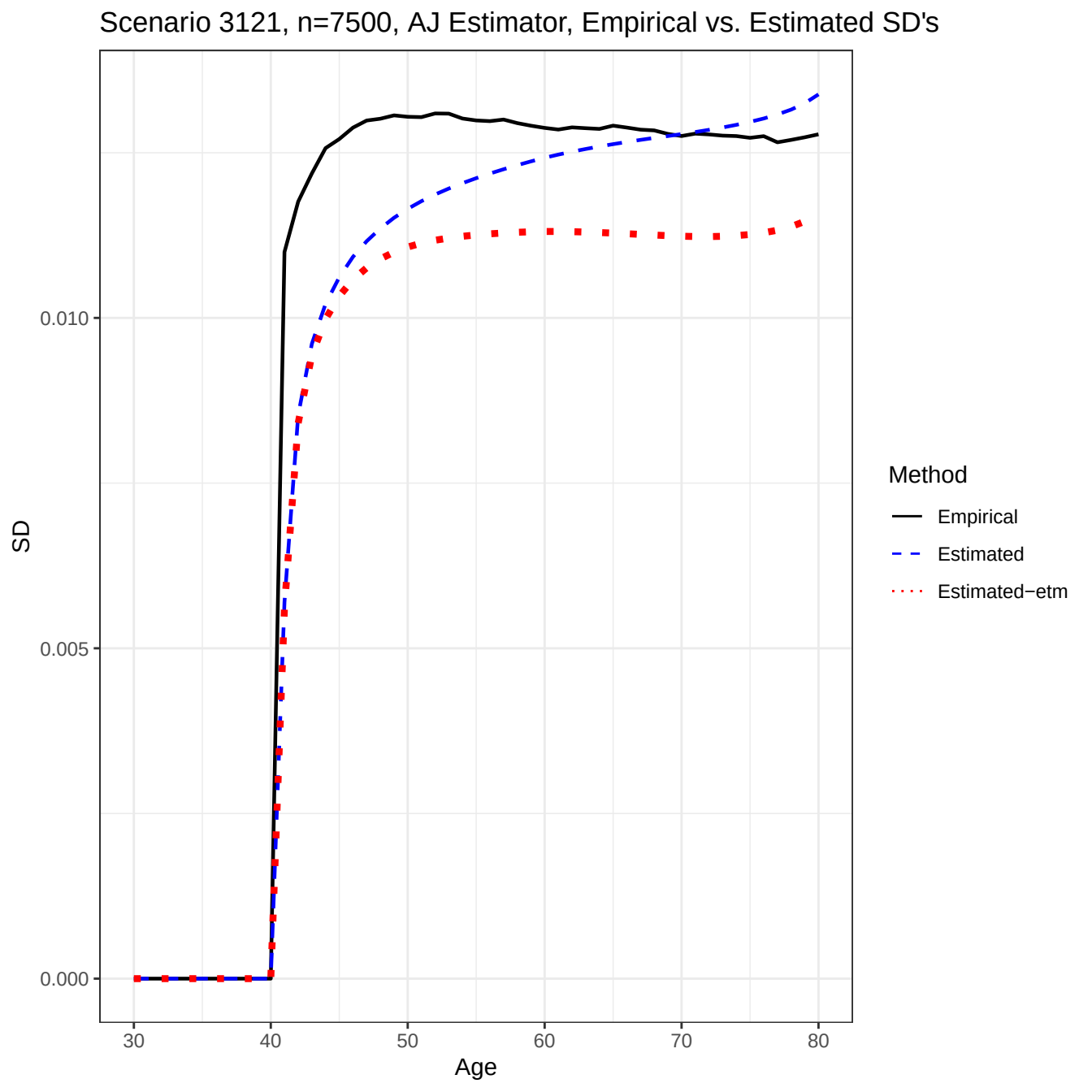
Date/Time: 2024−01−23 13:53:40.762295

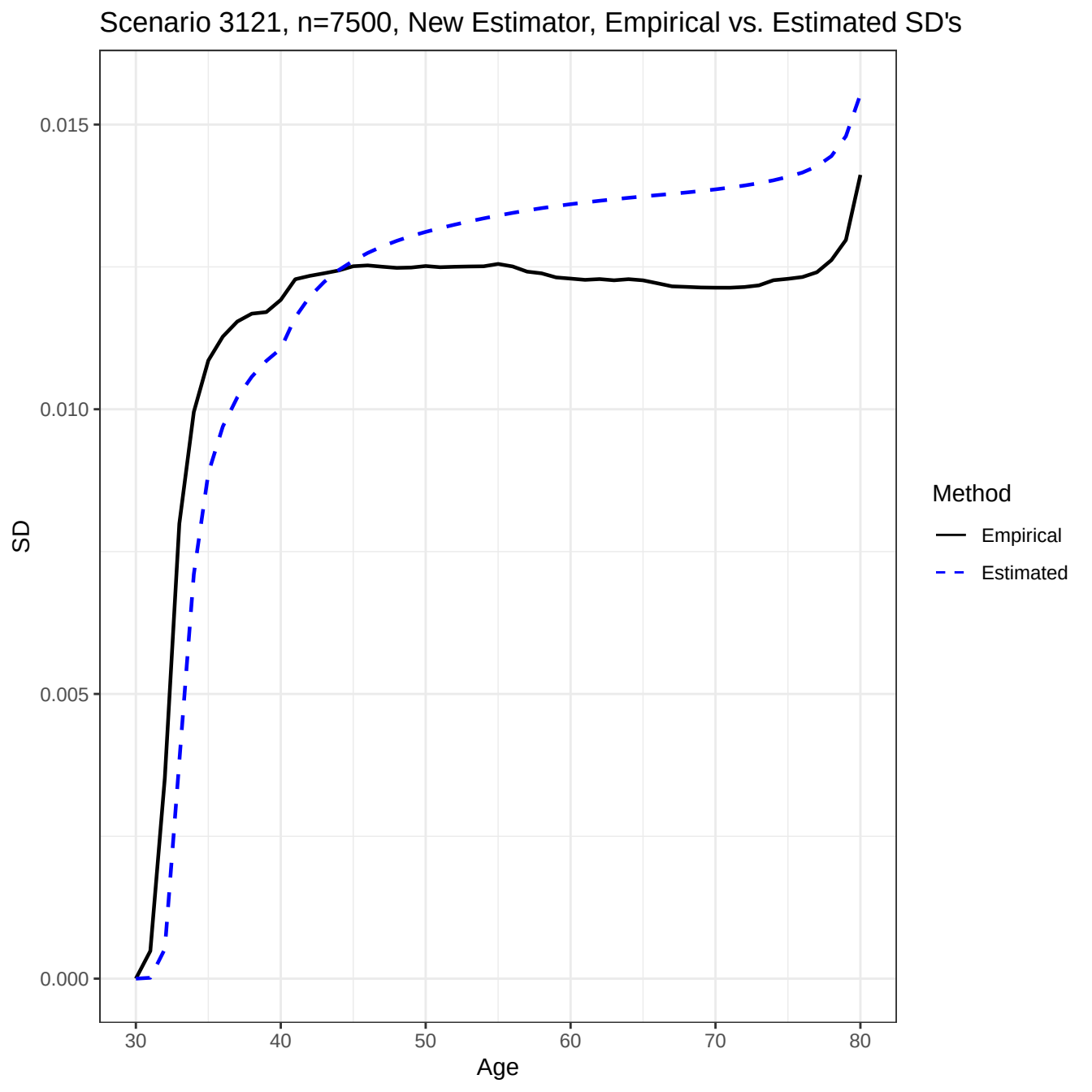

Scenario 3121, n=7500, Means
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

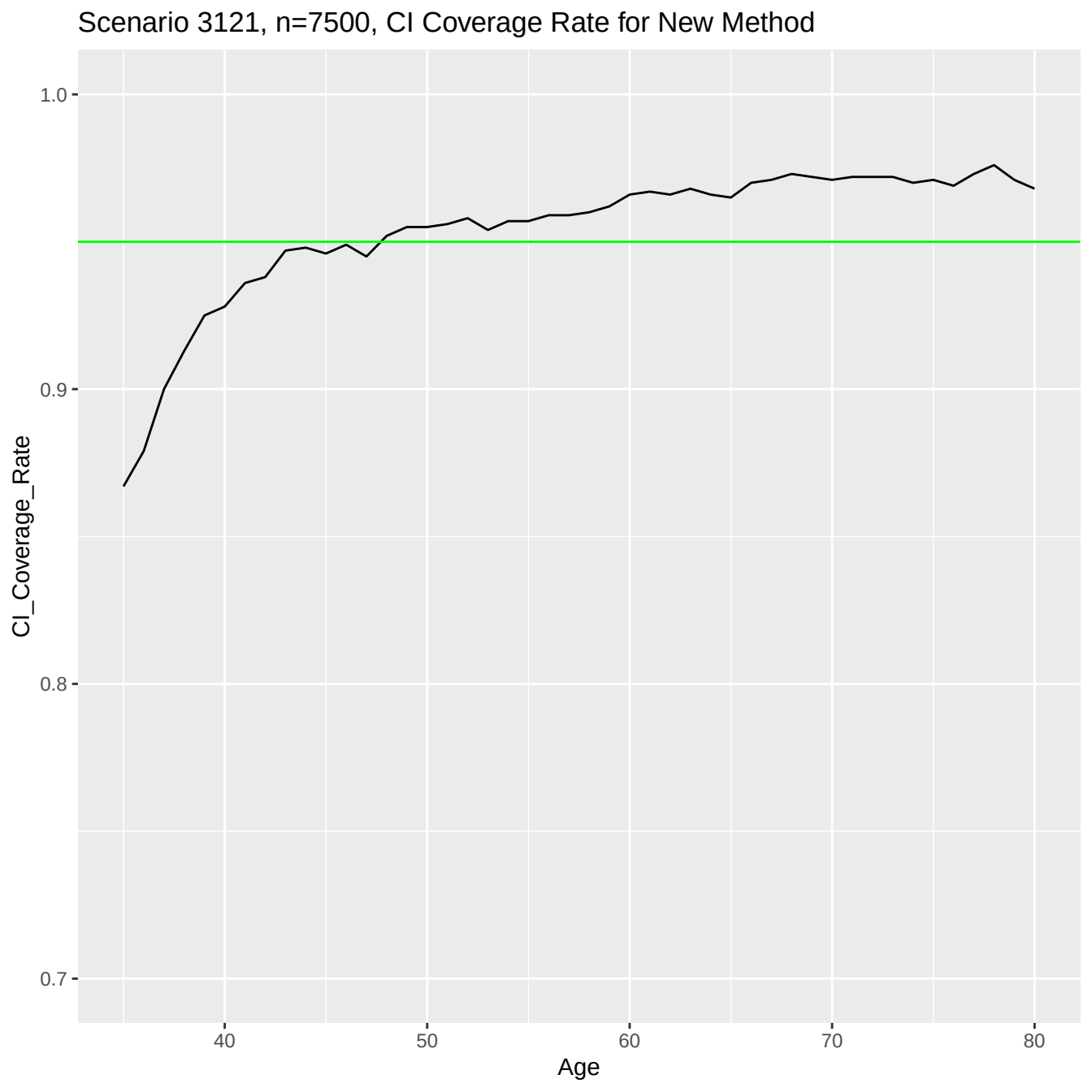

Scenario 3121, n=7500, Medians
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

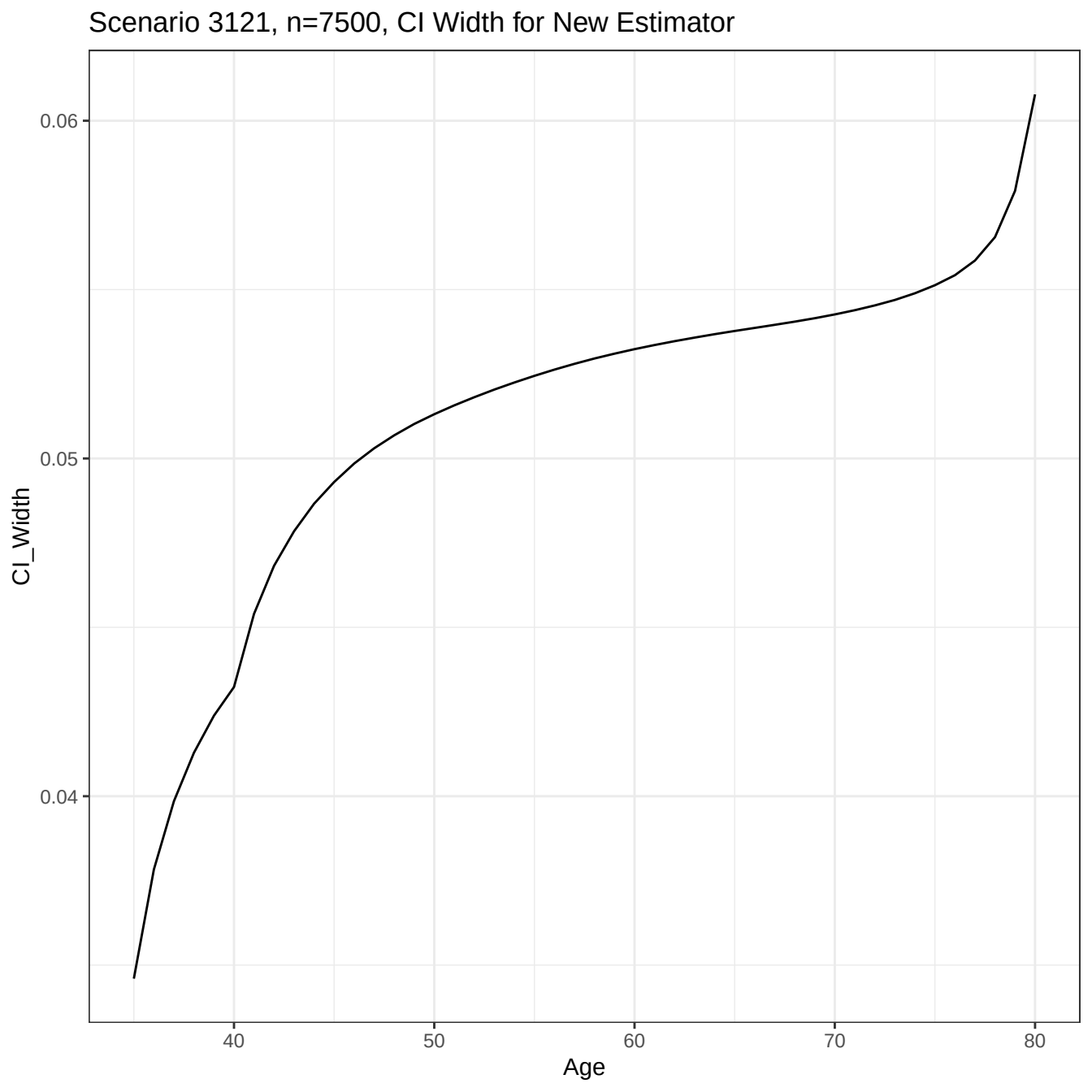

Scenario 3121, n=7500, SD'S
SD
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3121, n=7500, IQR'S
IQR
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3121, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.000
0.005
0.010
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3121, n=7500, New Estimator, Empirical vs. Estimated SD's
0.015
0.010
0.005
0.000
SD
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3121, n=7500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3121, n=7500, CI Width for New Estimator
0.06
0.05
0.04
CI_Width
40
50
60
70
80
Age

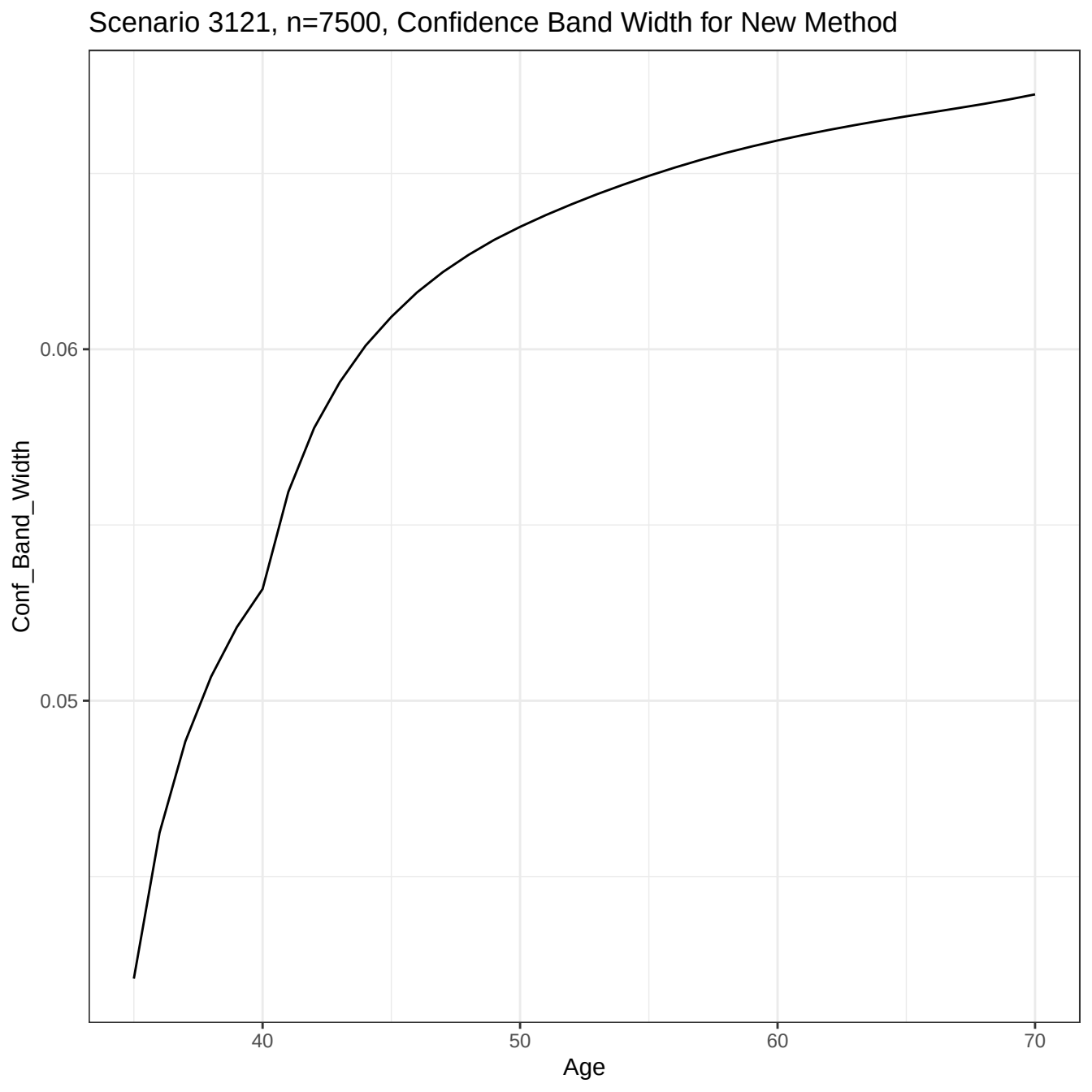
CONFIDENCE BAND COVERAGE RATES

Scenario: 3121

AJ0: 0

AJ: 0.477

New: 0.894


Scenario 3121, n=7500, Confidence Band Width for New Method
Conf_Band_Width
0.06
0.05
40
50
60
70
Age

SETTINGS

Scenario: 3122

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

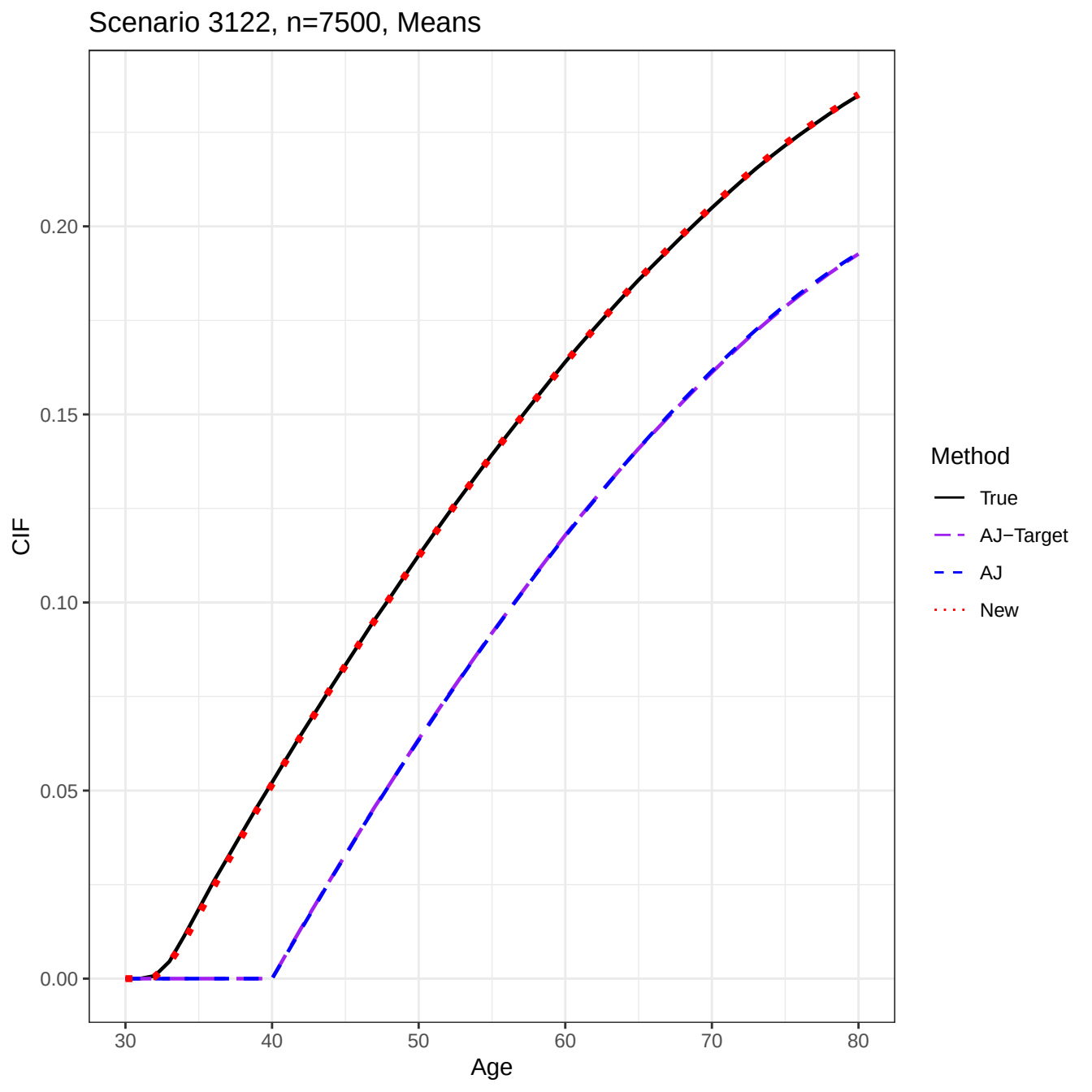
transformation: 0.5*pi − asin(sqrt(1−u))

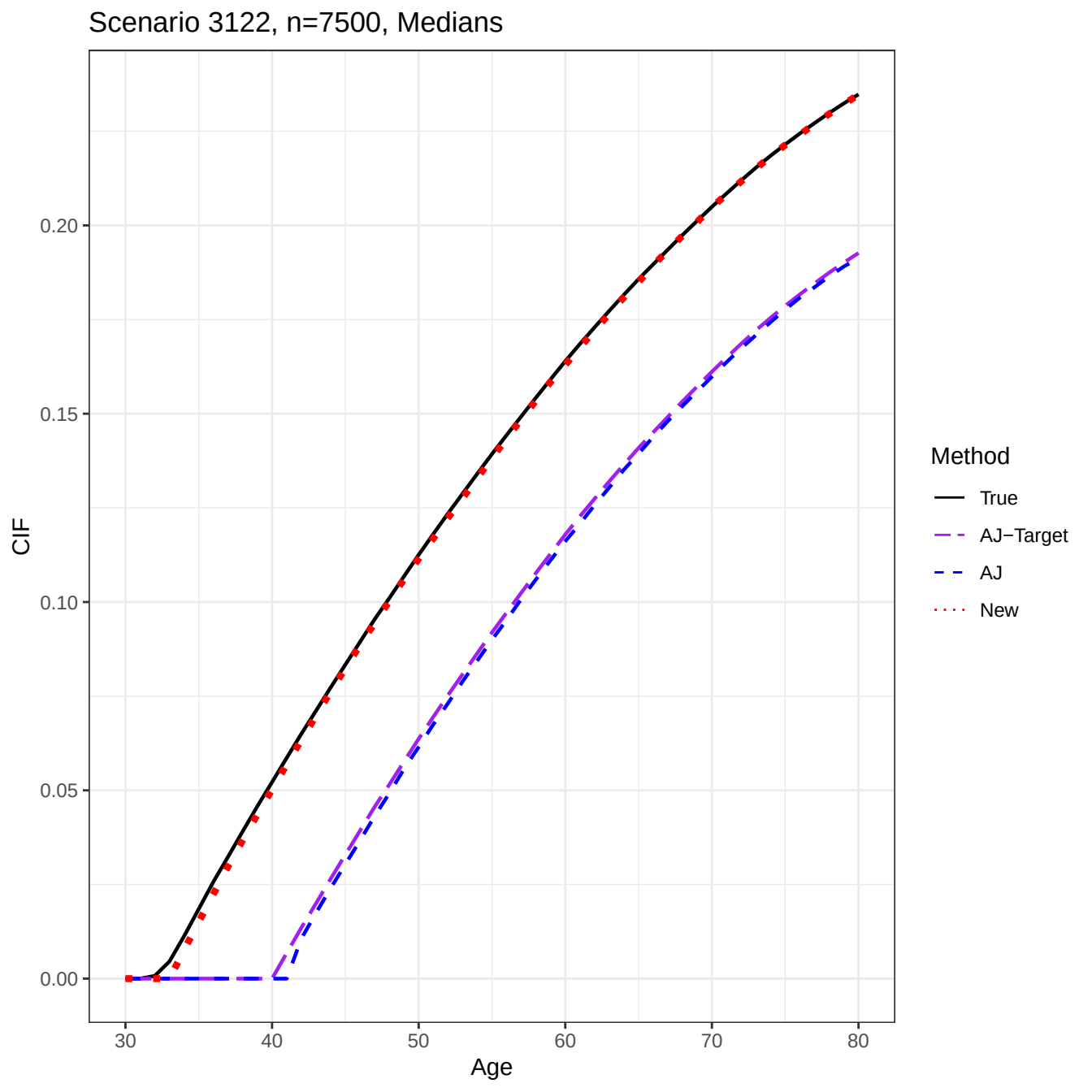
pointwise CI's done by: normal−theory

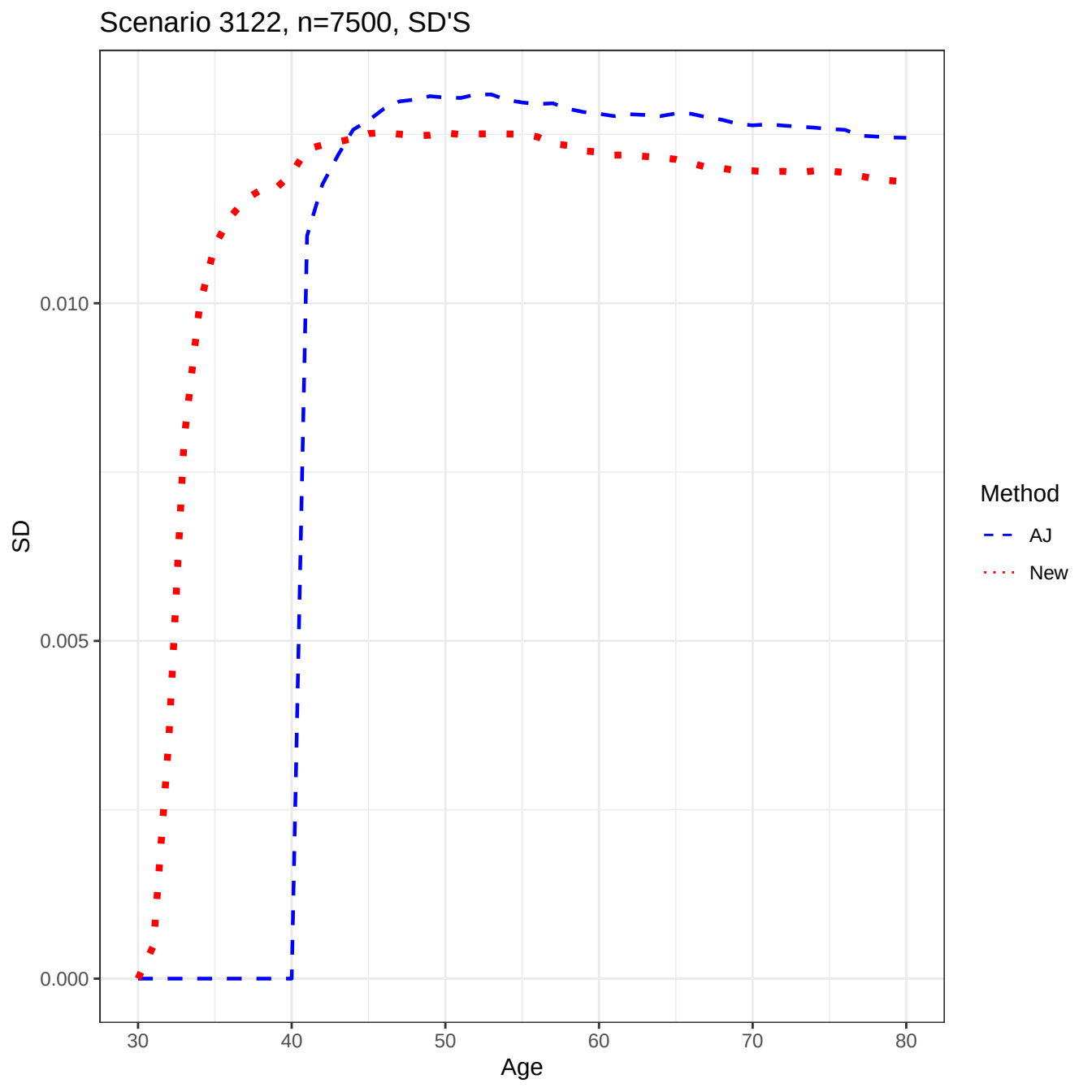
auxflg = FALSE

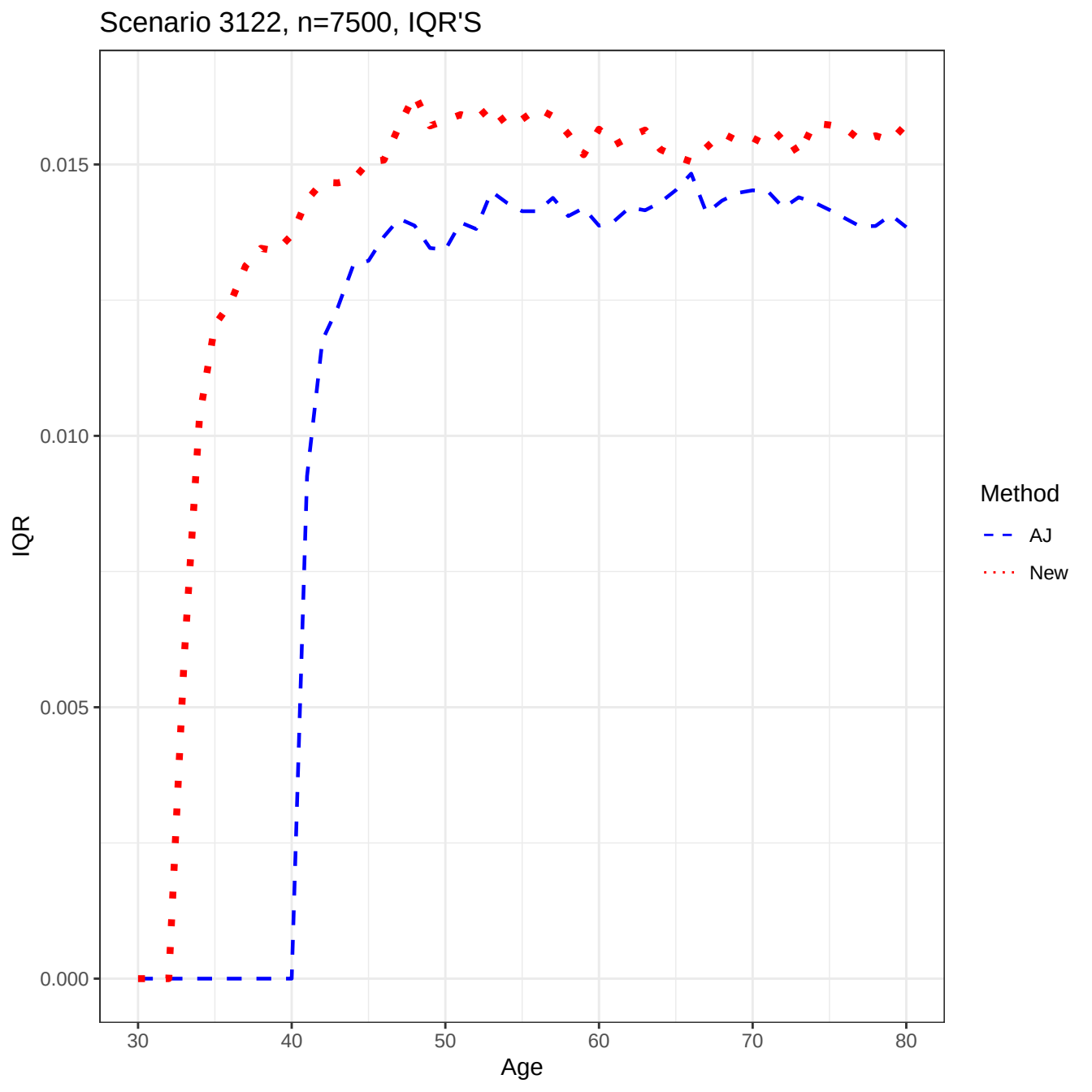
bootstrap weights: normal

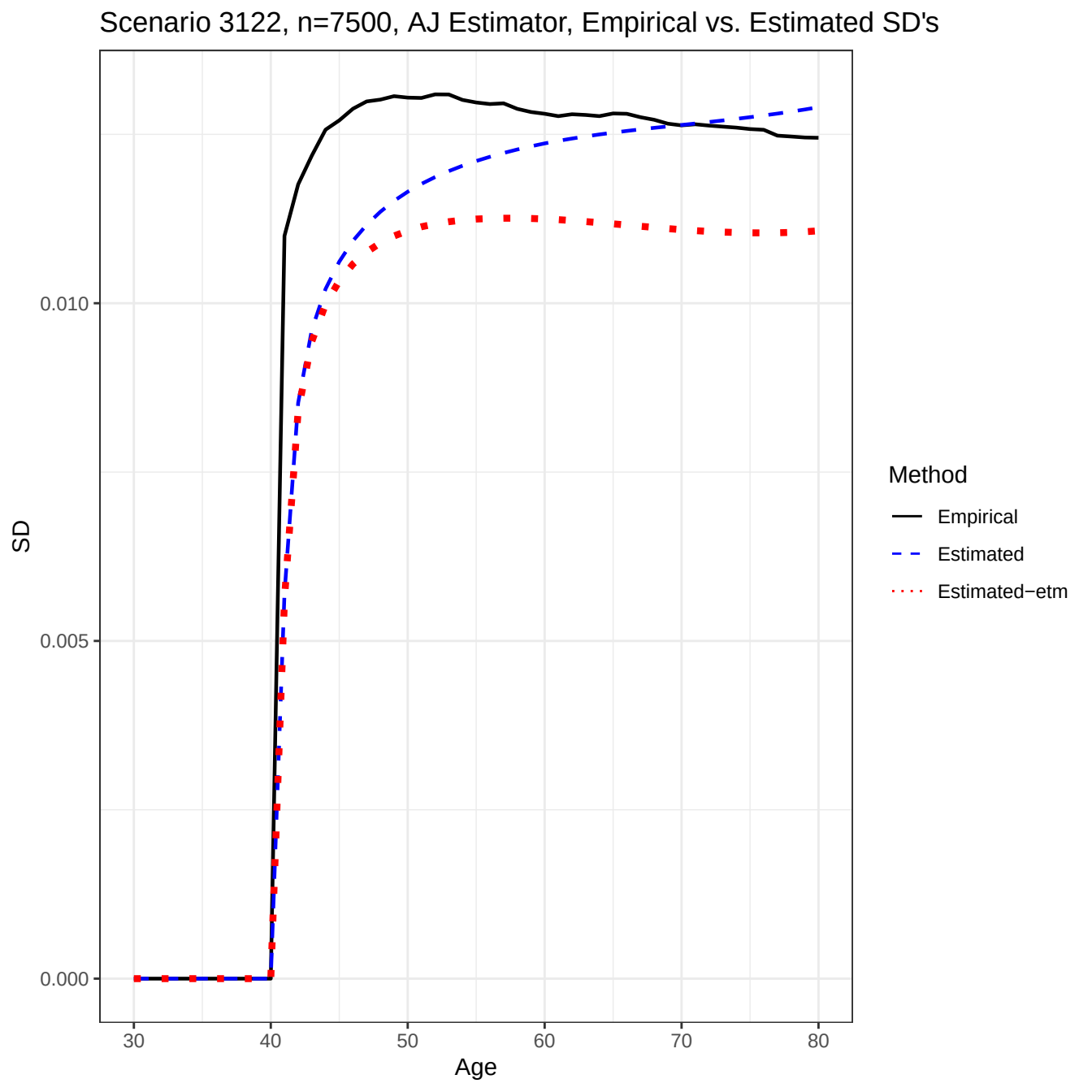
Date/Time: 2024−01−23 17:24:06.062547

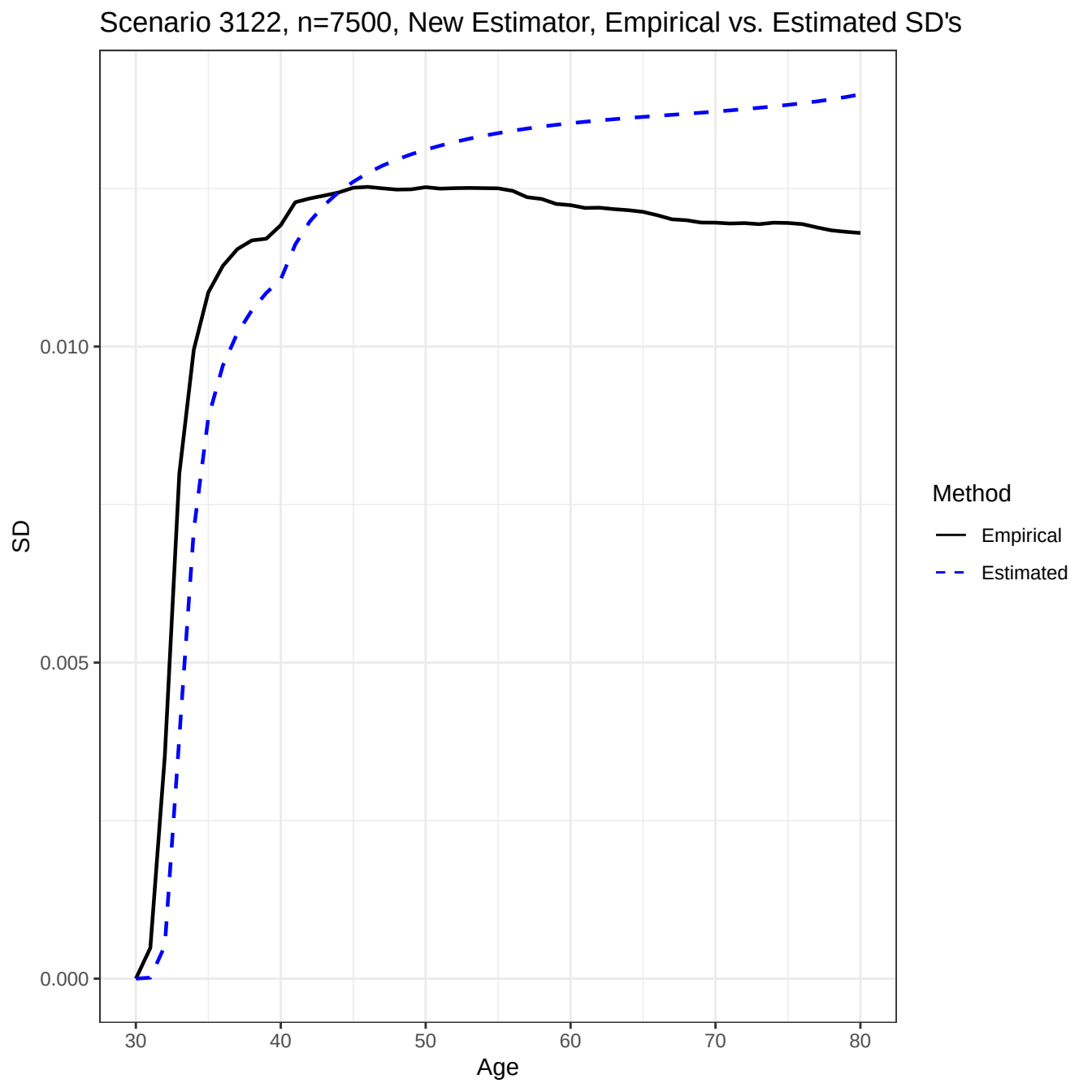

Scenario 3122, n=7500, Means
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

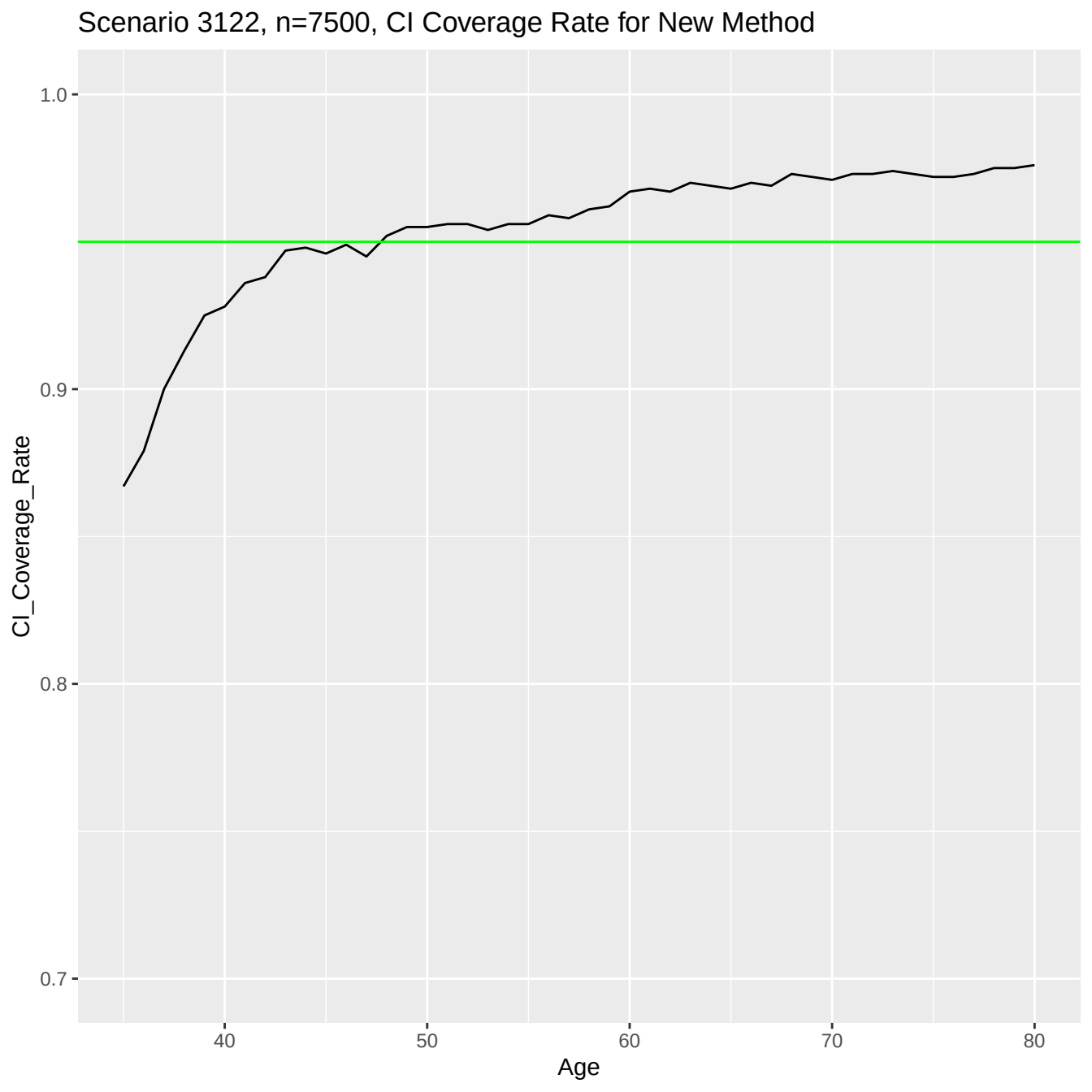

Scenario 3122, n=7500, Medians
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

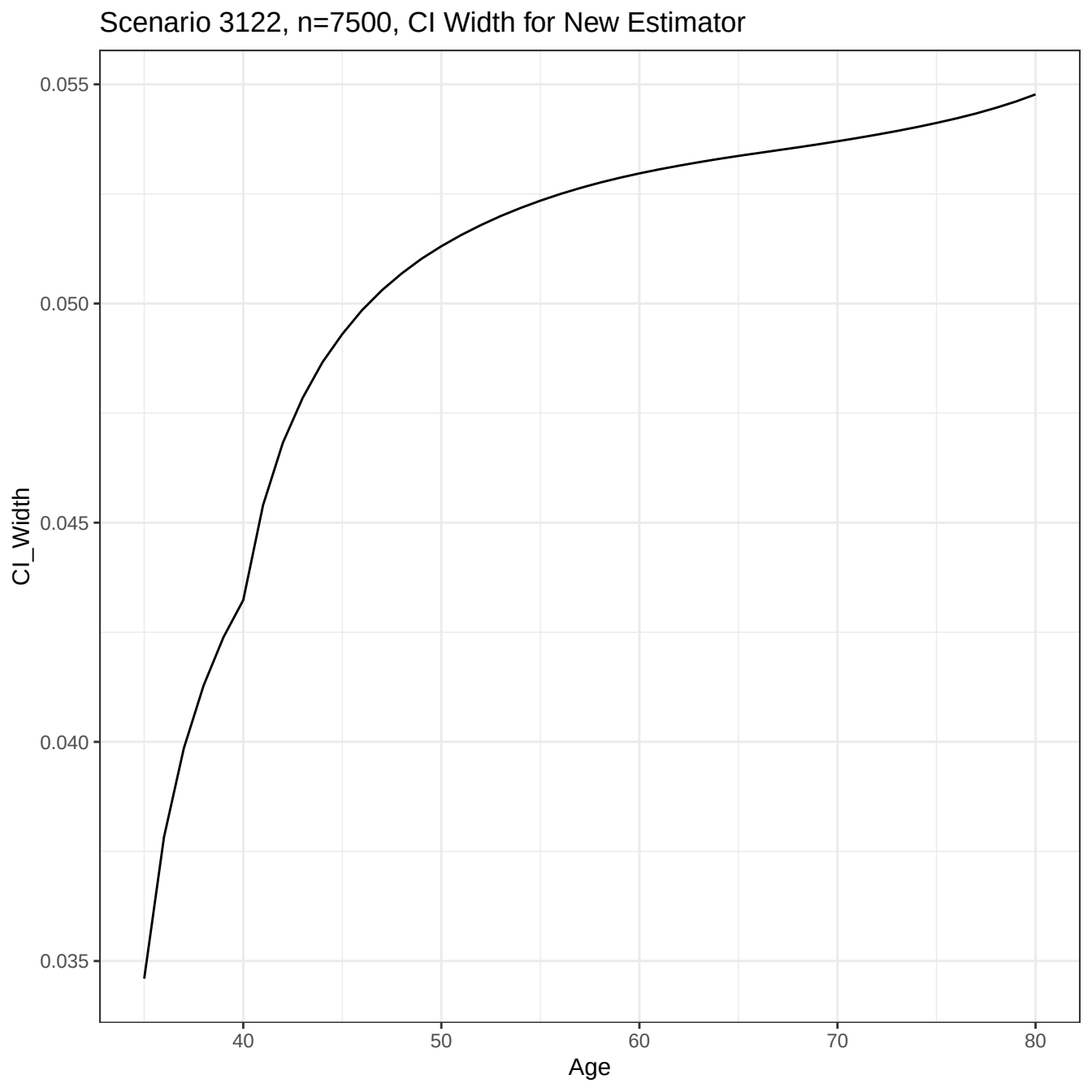

Scenario 3122, n=7500, SD'S
SD
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3122, n=7500, IQR'S
IQR
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3122, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3122, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3122, n=7500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3122, n=7500, CI Width for New Estimator
0.055
0.050
0.045
0.040
0.035
CI_Width
40
50
60
70
80
Age

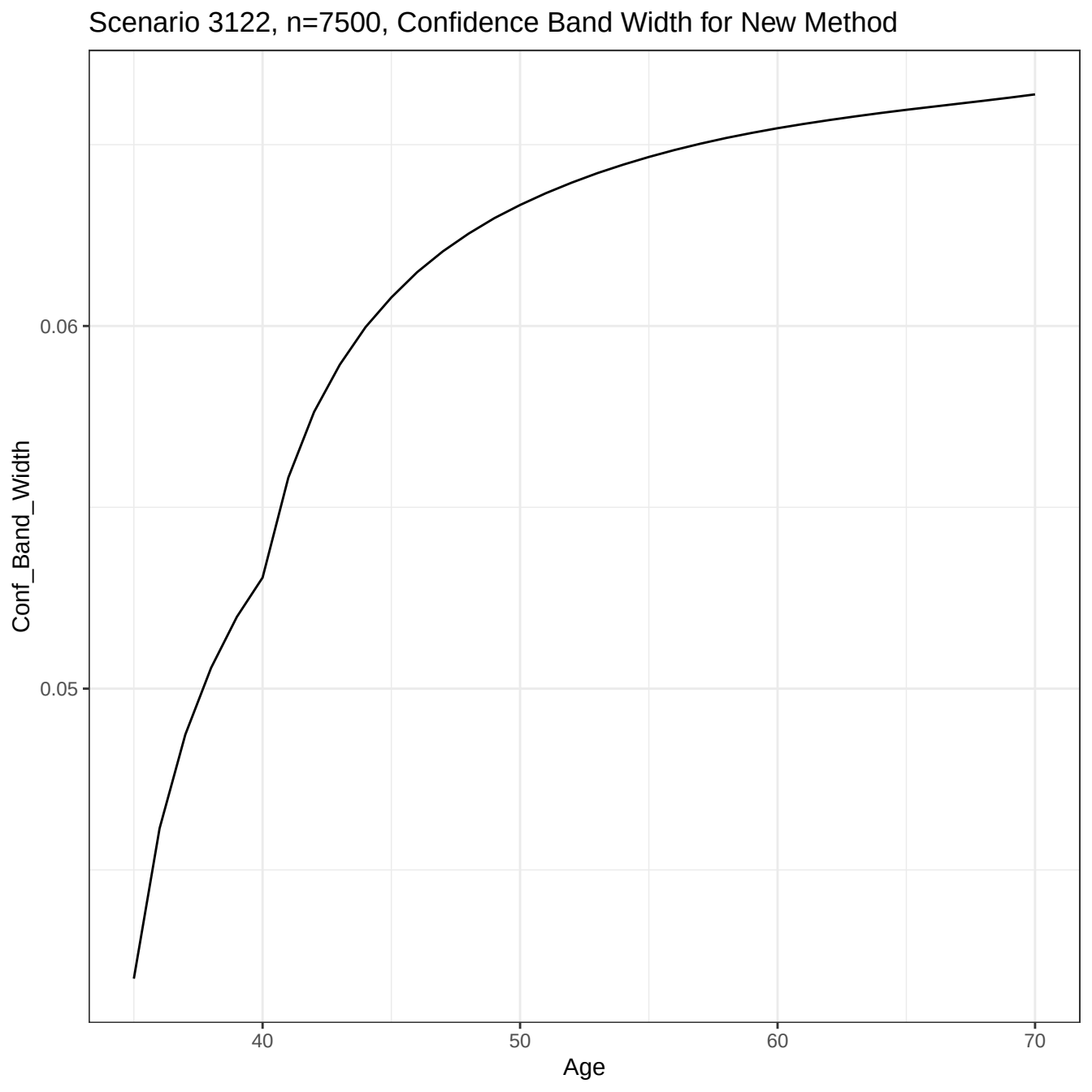
CONFIDENCE BAND COVERAGE RATES

Scenario: 3122

AJ0: 0

AJ: 0.477

New: 0.892


Scenario 3122, n=7500, Confidence Band Width for New Method
Conf_Band_Width
0.06
0.05
40
50
60
70
Age

SETTINGS

Scenario: 3211

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

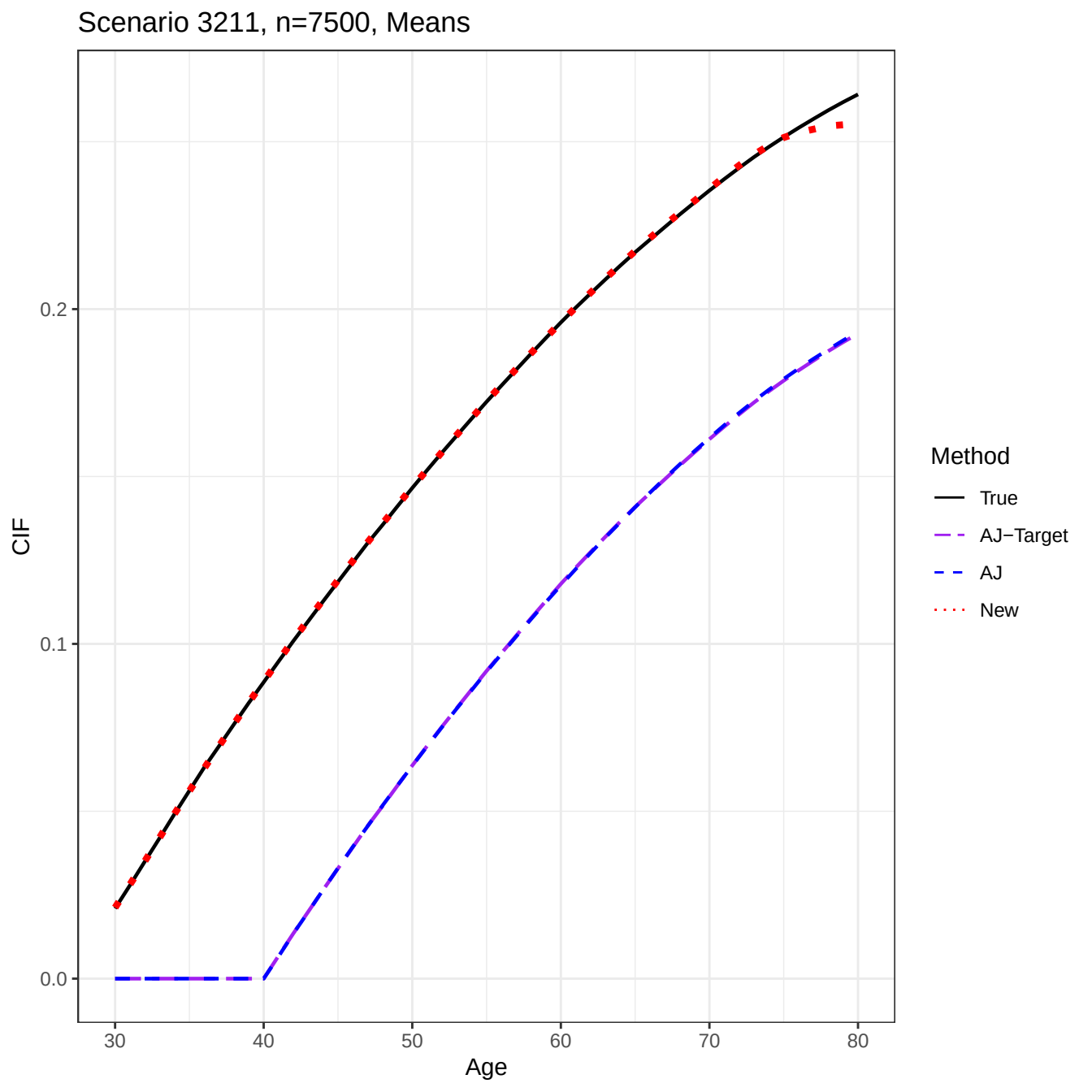
transformation: 0.5*pi − asin(sqrt(1−u))

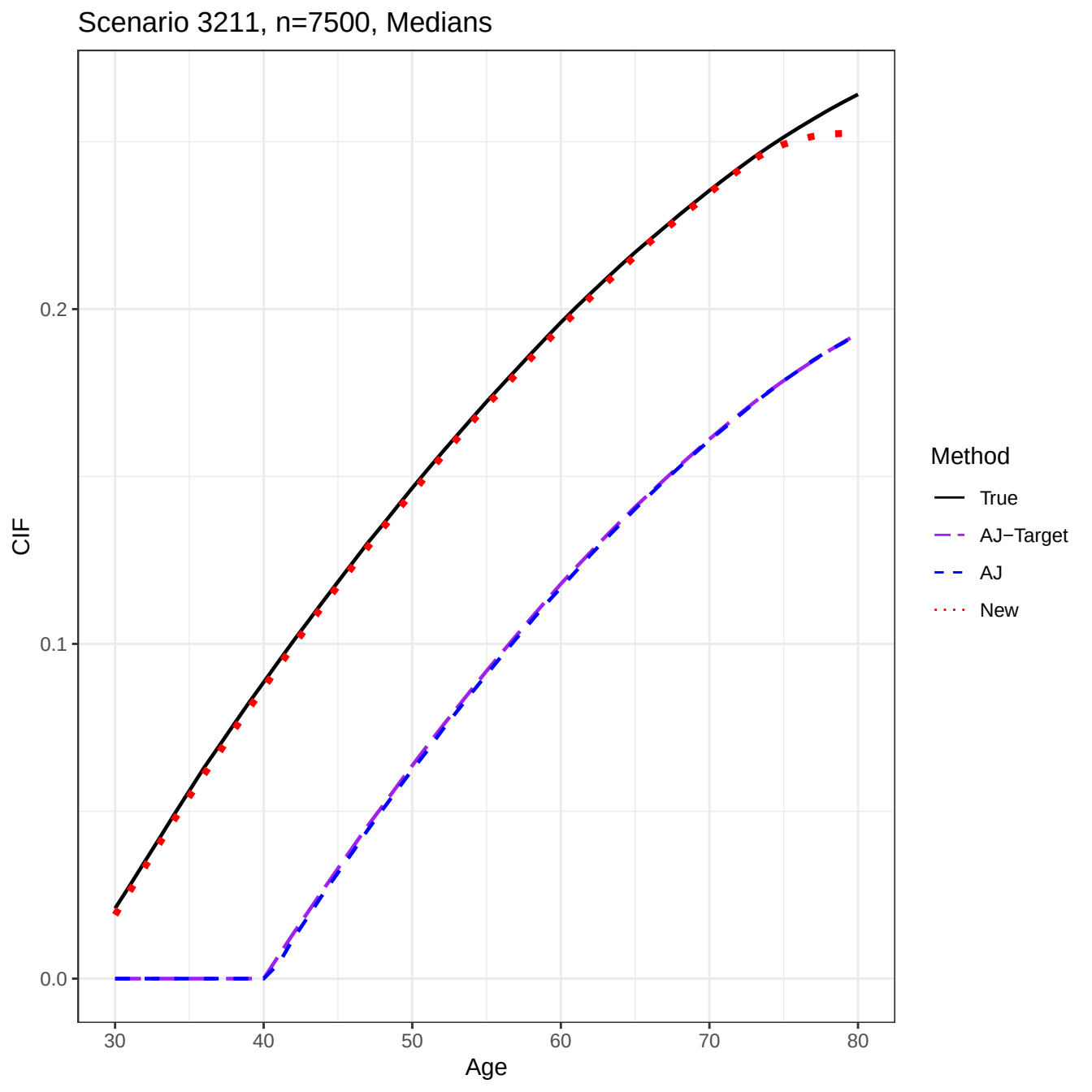
pointwise CI's done by: normal−theory

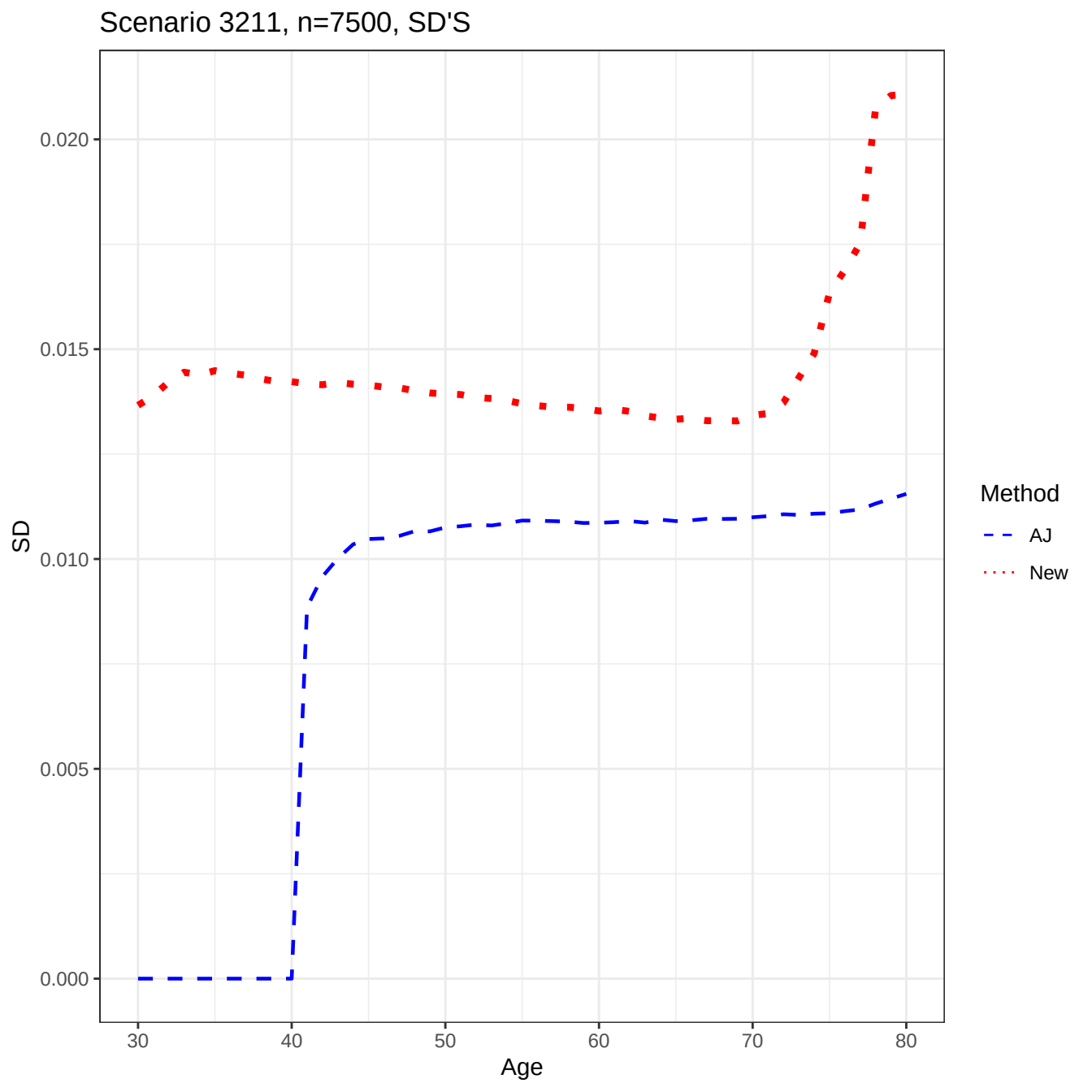
auxflg = FALSE

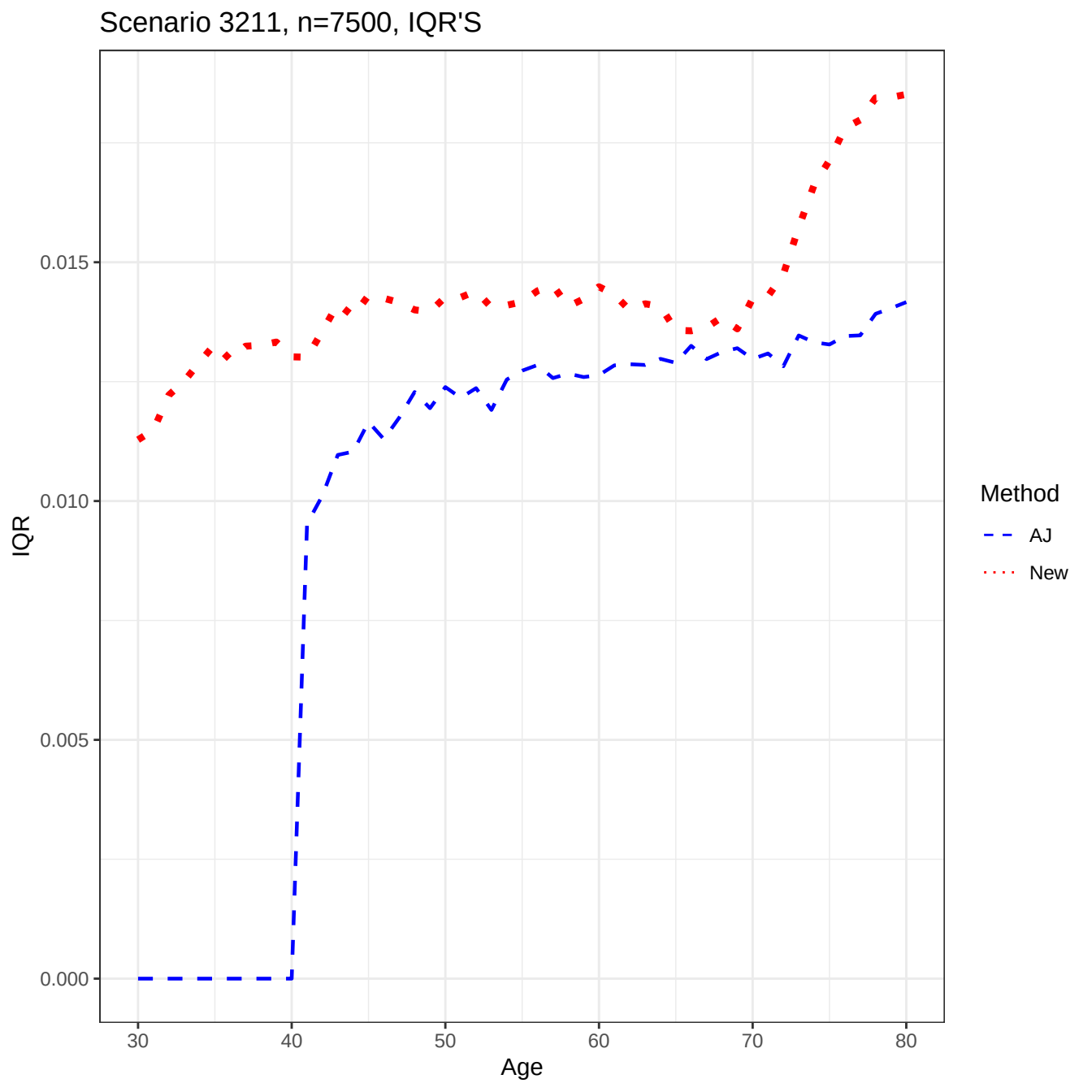
bootstrap weights: normal

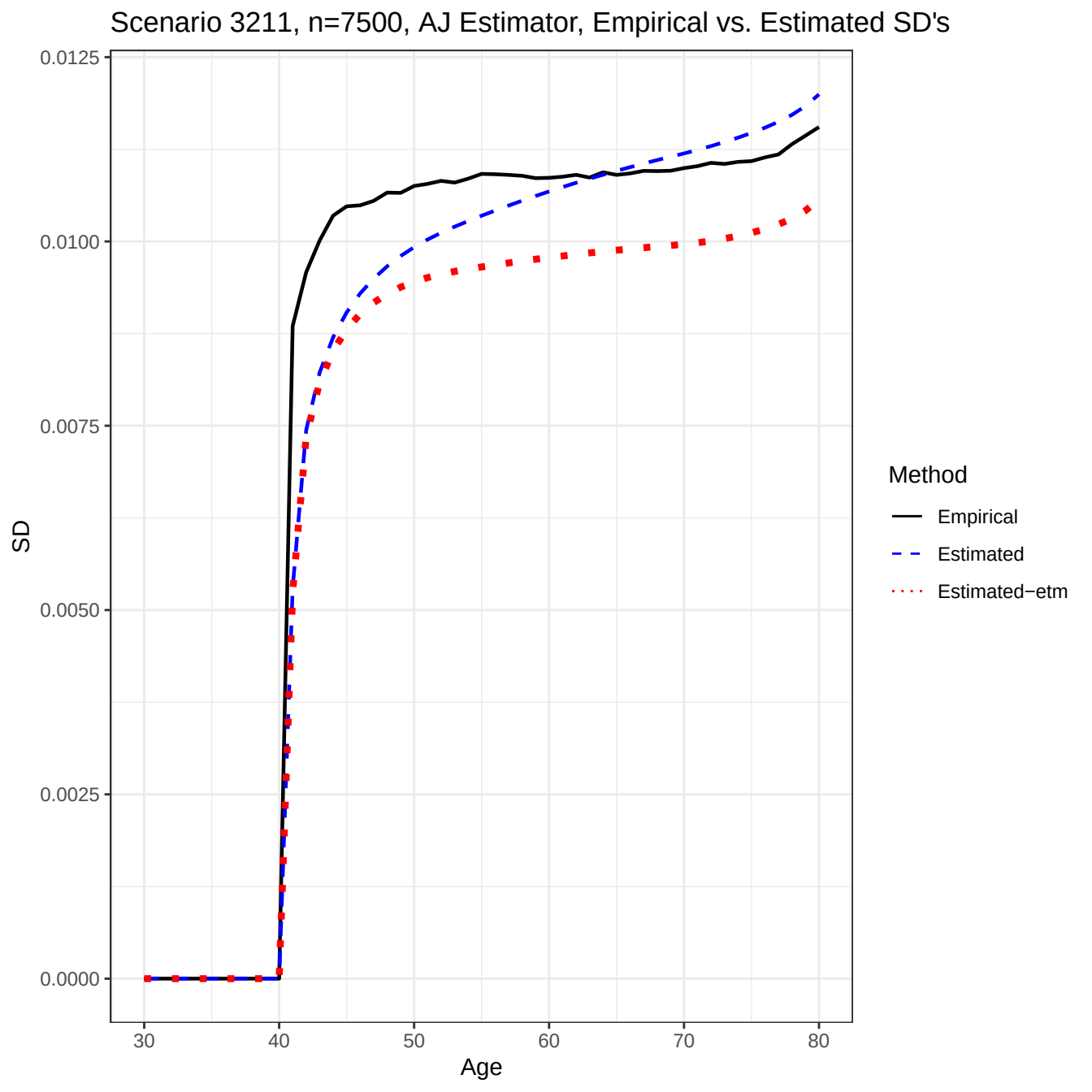
Date/Time: 2024−01−23 19:14:19.093212

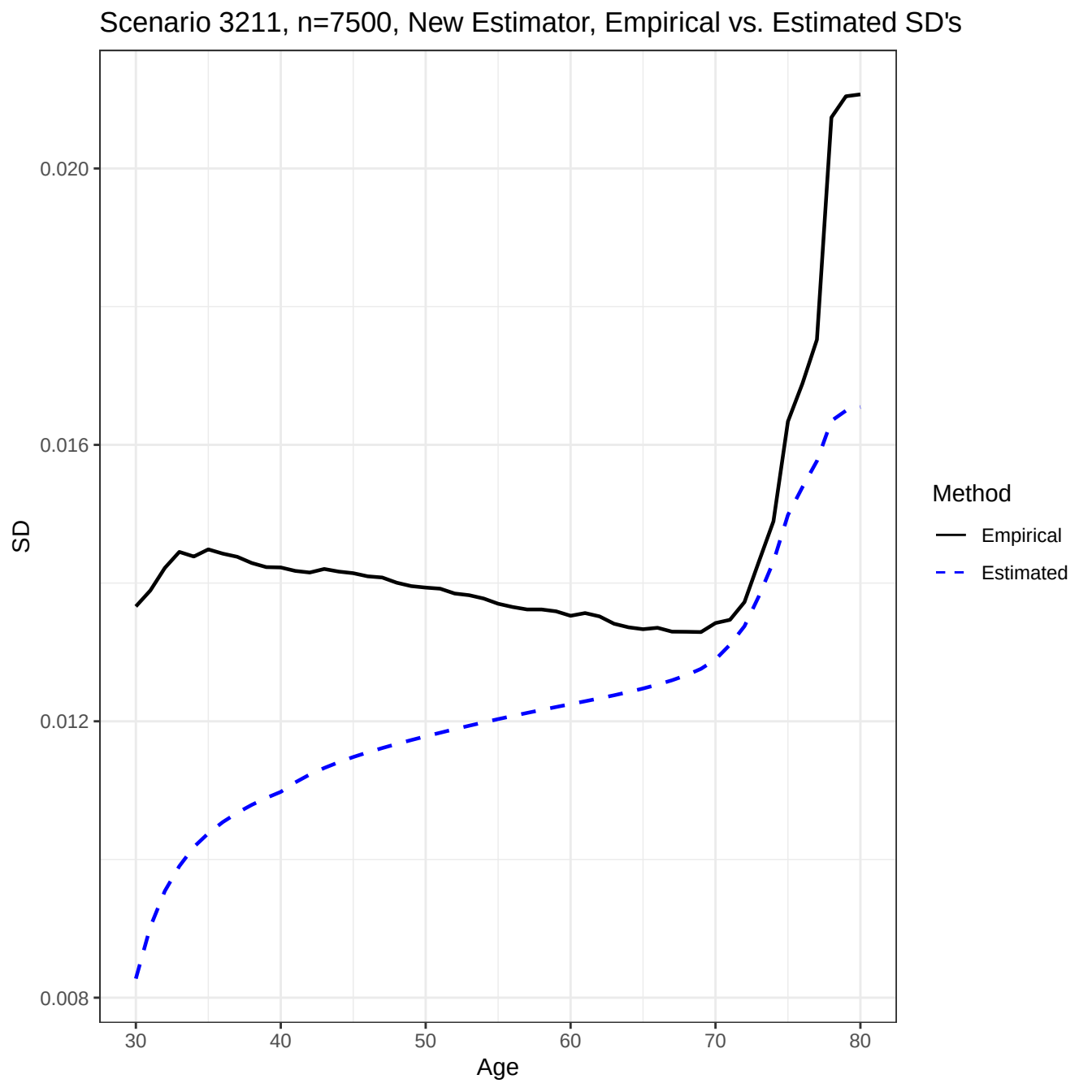

Scenario 3211, n=7500, Means
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

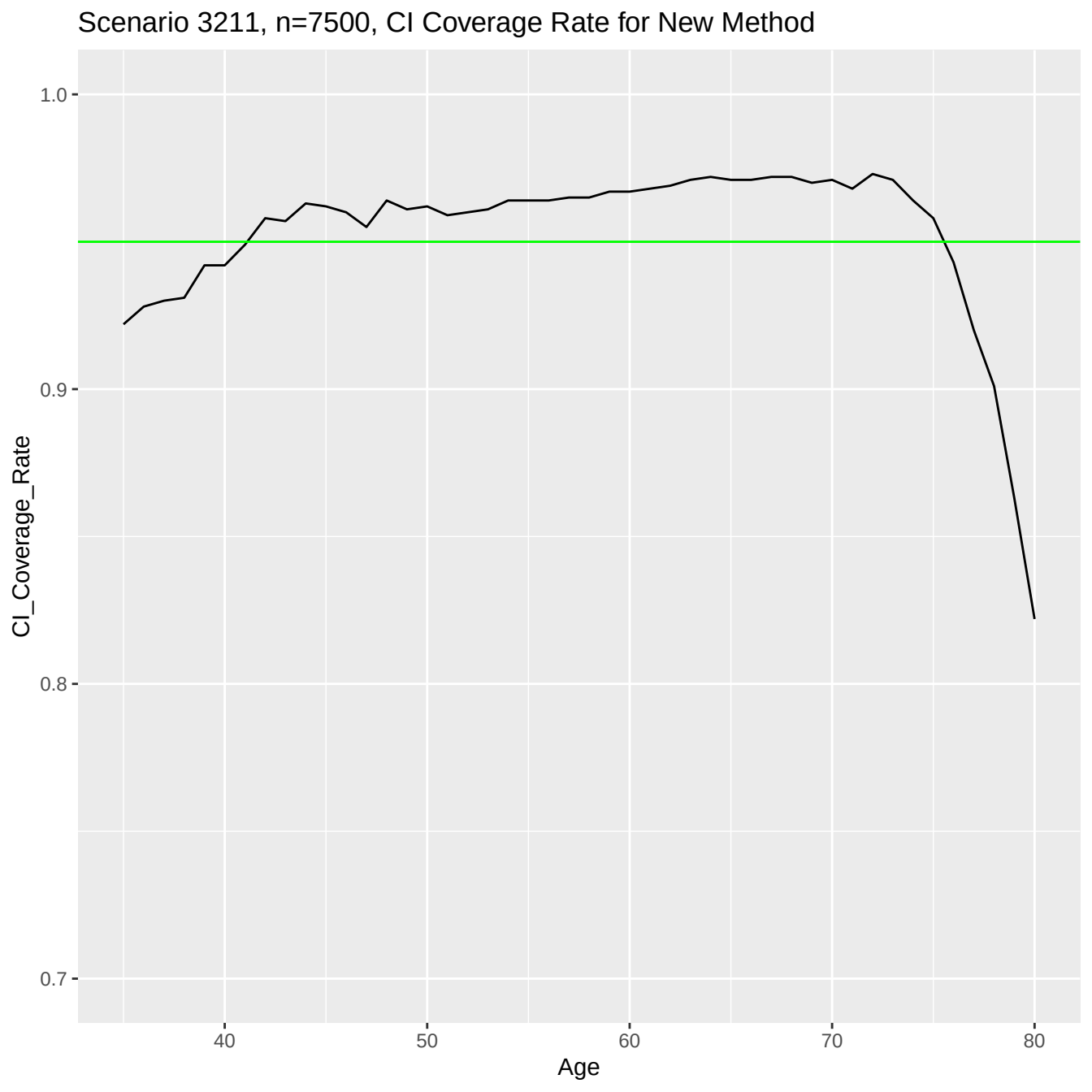

Scenario 3211, n=7500, Medians
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

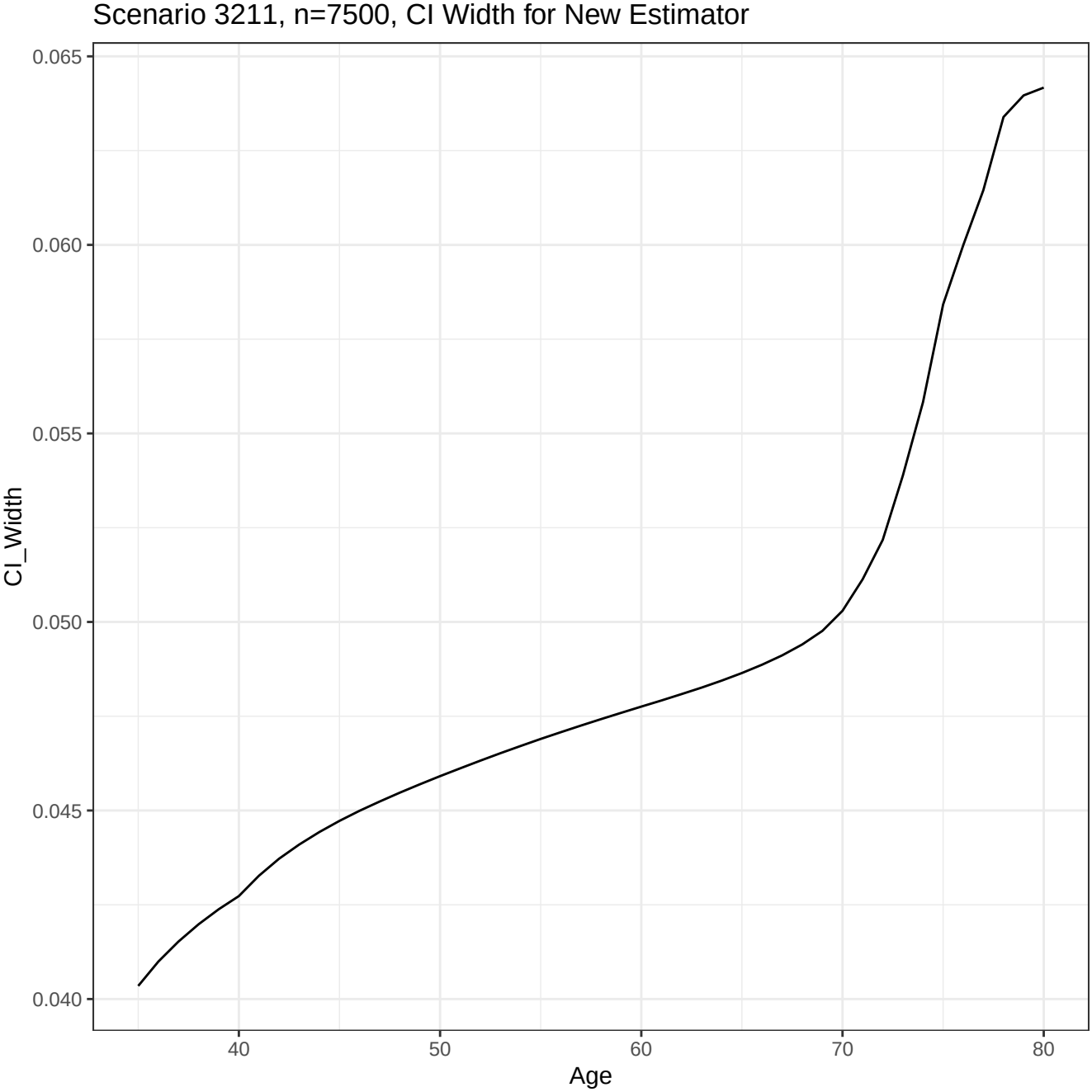

Scenario 3211, n=7500, SD'S
0.020
0.015
0.010
0.005
0.000
SD
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3211, n=7500, IQR'S
IQR
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3211, n=7500, AJ Estimator, Empirical vs. Estimated SD's
0.0125
0.0100
0.0075
0.0050
0.0025
0.0000
SD
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3211, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.020
0.016
0.012
0.008
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3211, n=7500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3211, n=7500, CI Width for New Estimator
0.065
0.060
0.055
0.050
0.045
0.040
CI_Width
40
50
60
70
80
Age

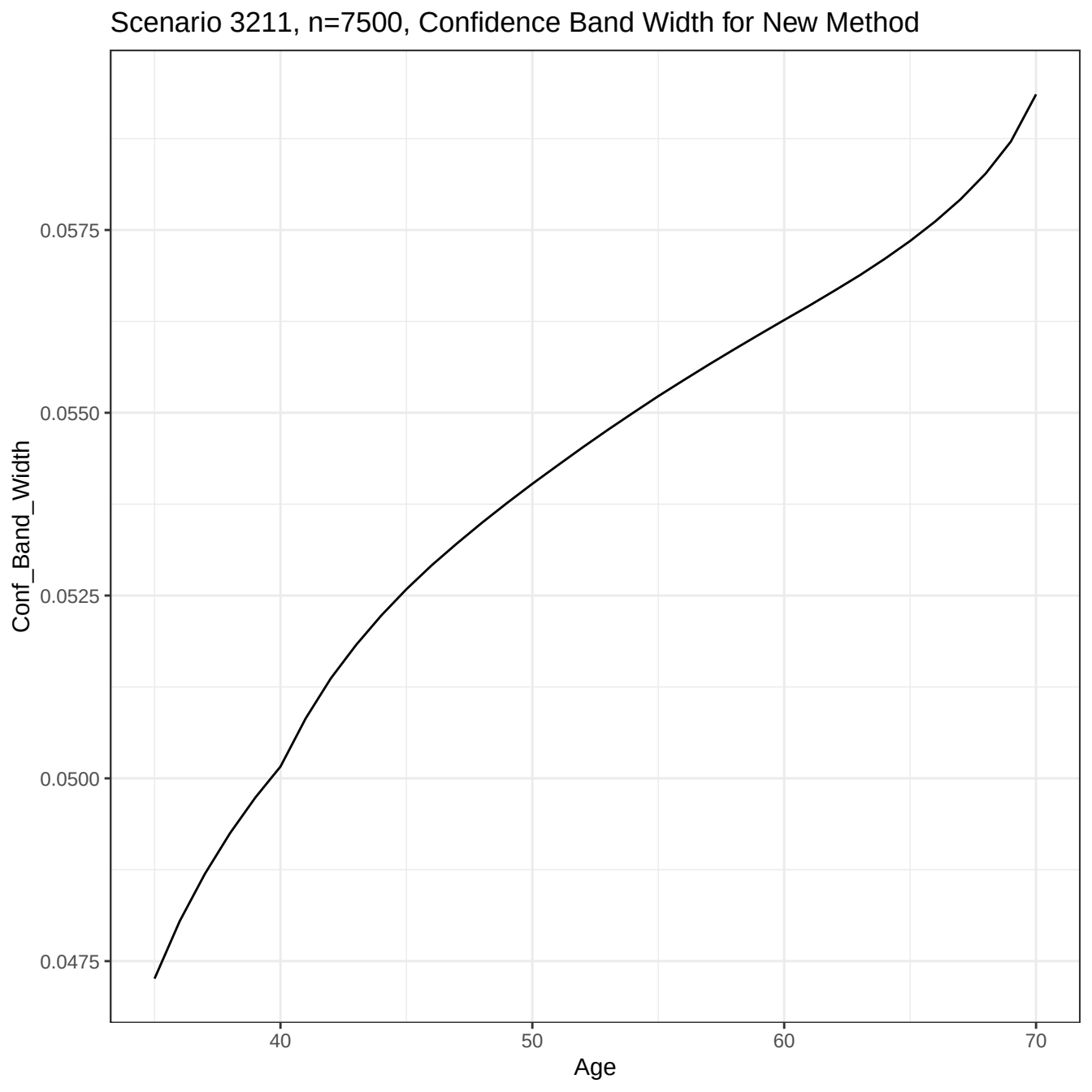
CONFIDENCE BAND COVERAGE RATES

Scenario: 3211

AJ0: 0

AJ: 0.617

New: 0.936


Scenario 3211, n=7500, Confidence Band Width for New Method
Conf_Band_Width
0.0575
0.0550
0.0525
0.0500
0.0475
40
50
60
70
Age

SETTINGS

Scenario: 3212

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

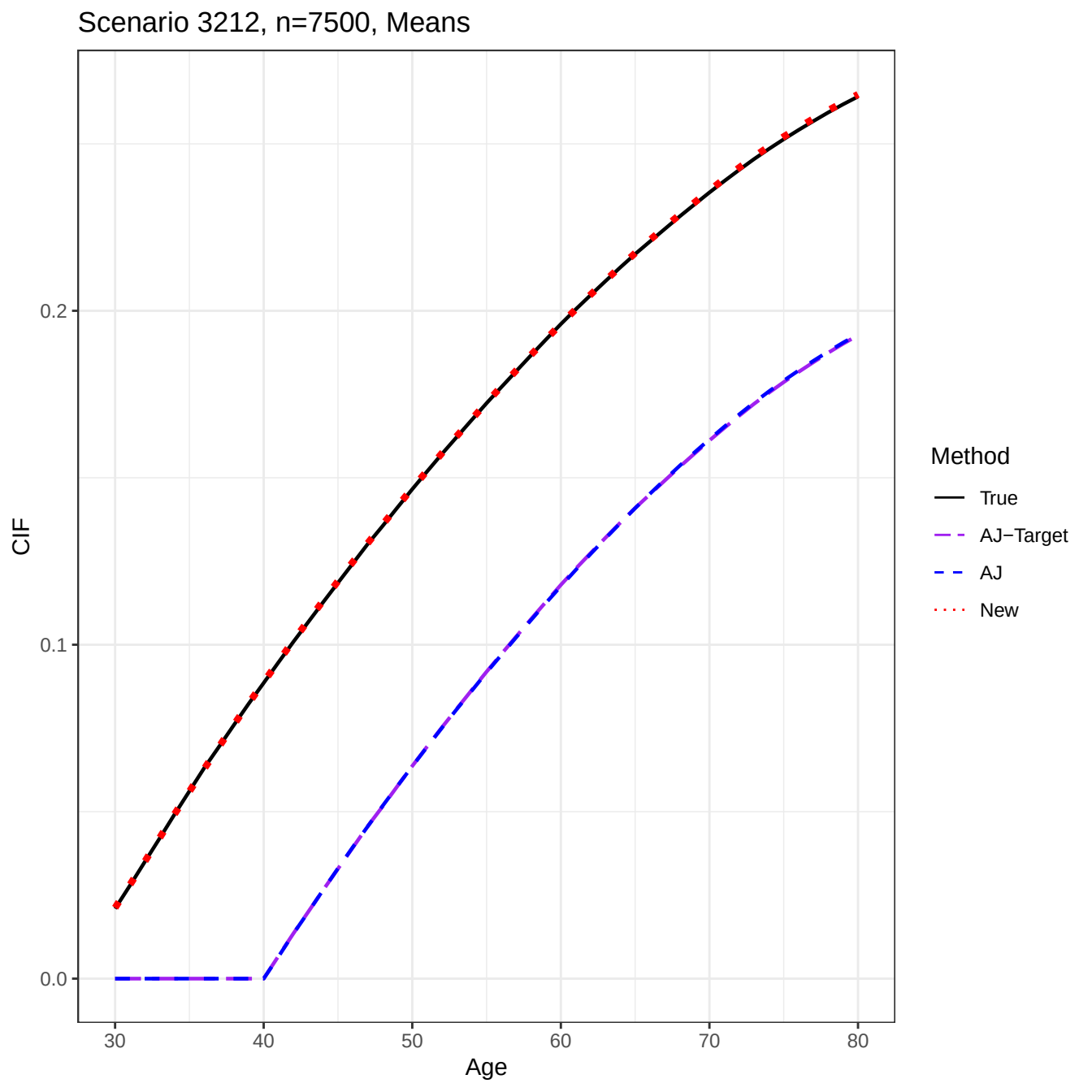
transformation: 0.5*pi − asin(sqrt(1−u))

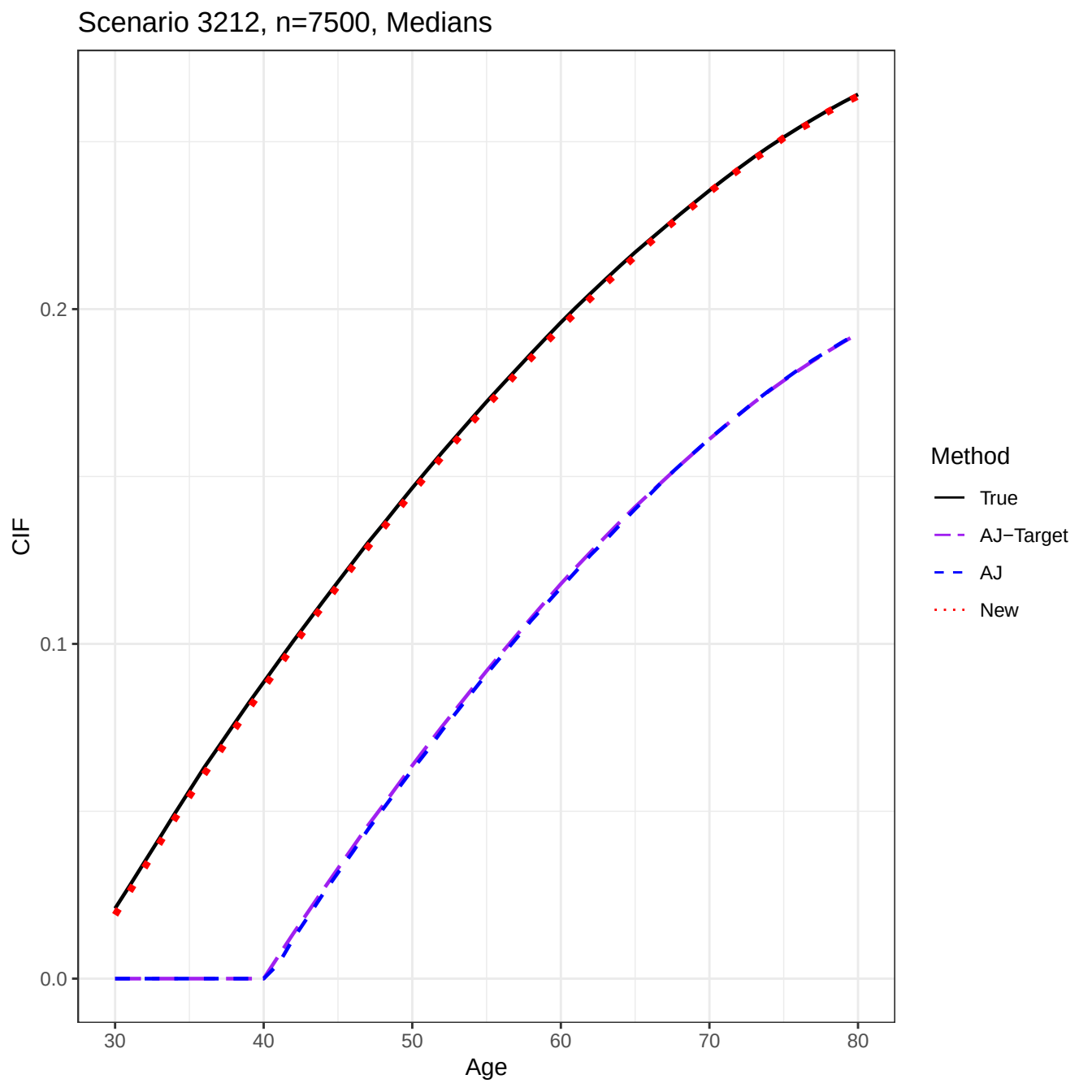
pointwise CI's done by: normal−theory

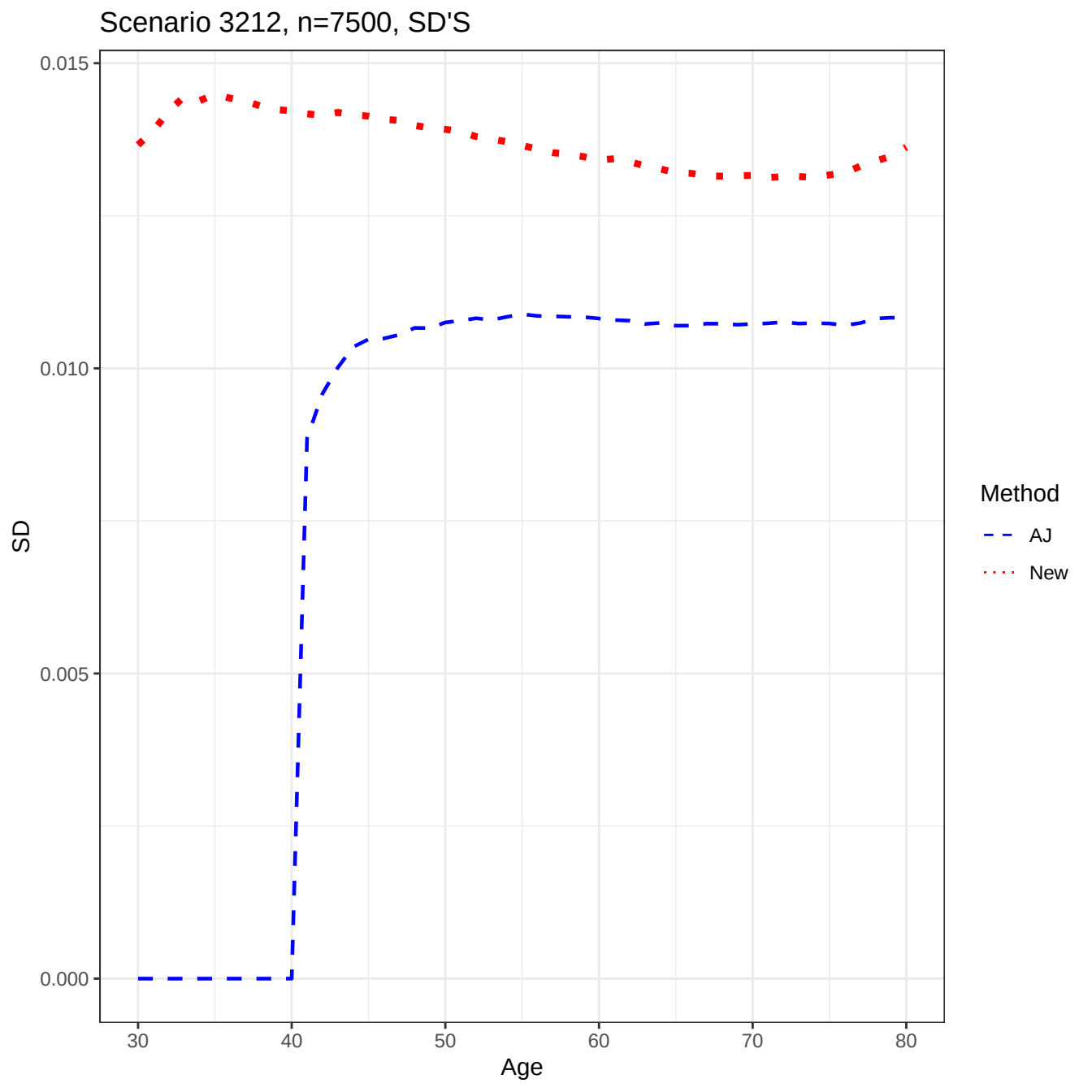
auxflg = FALSE

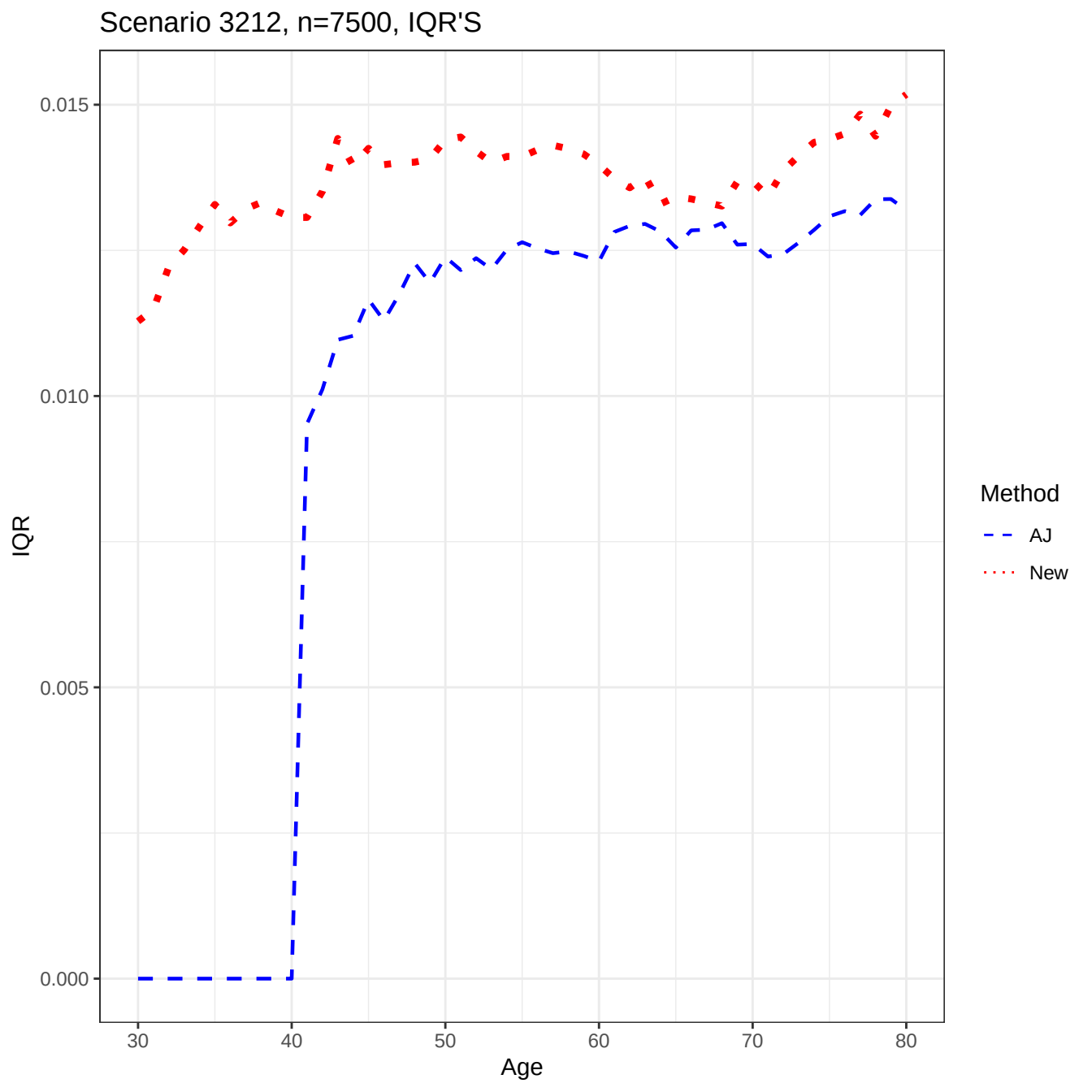
bootstrap weights: normal

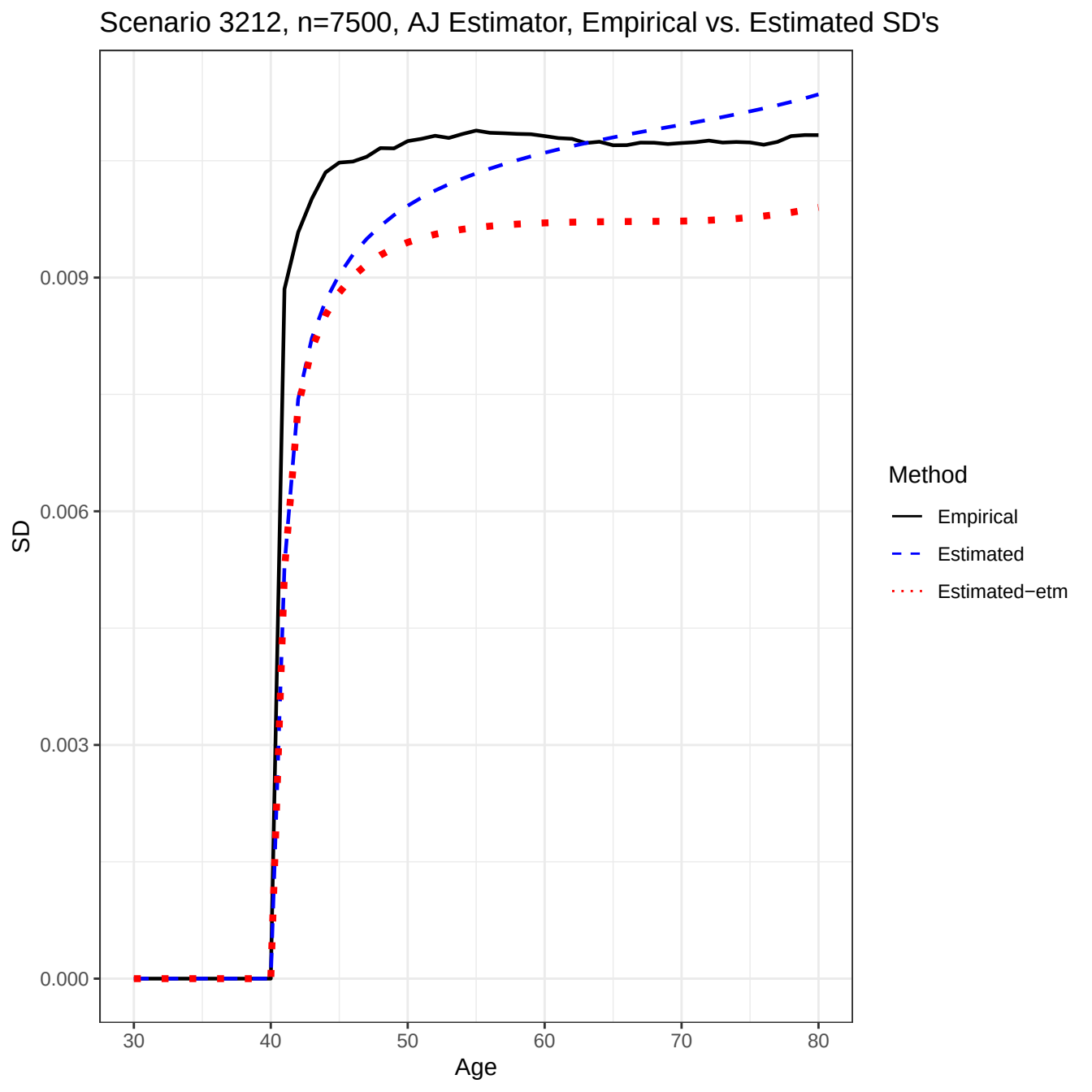
Date/Time: 2024−01−23 21:24:06.777912

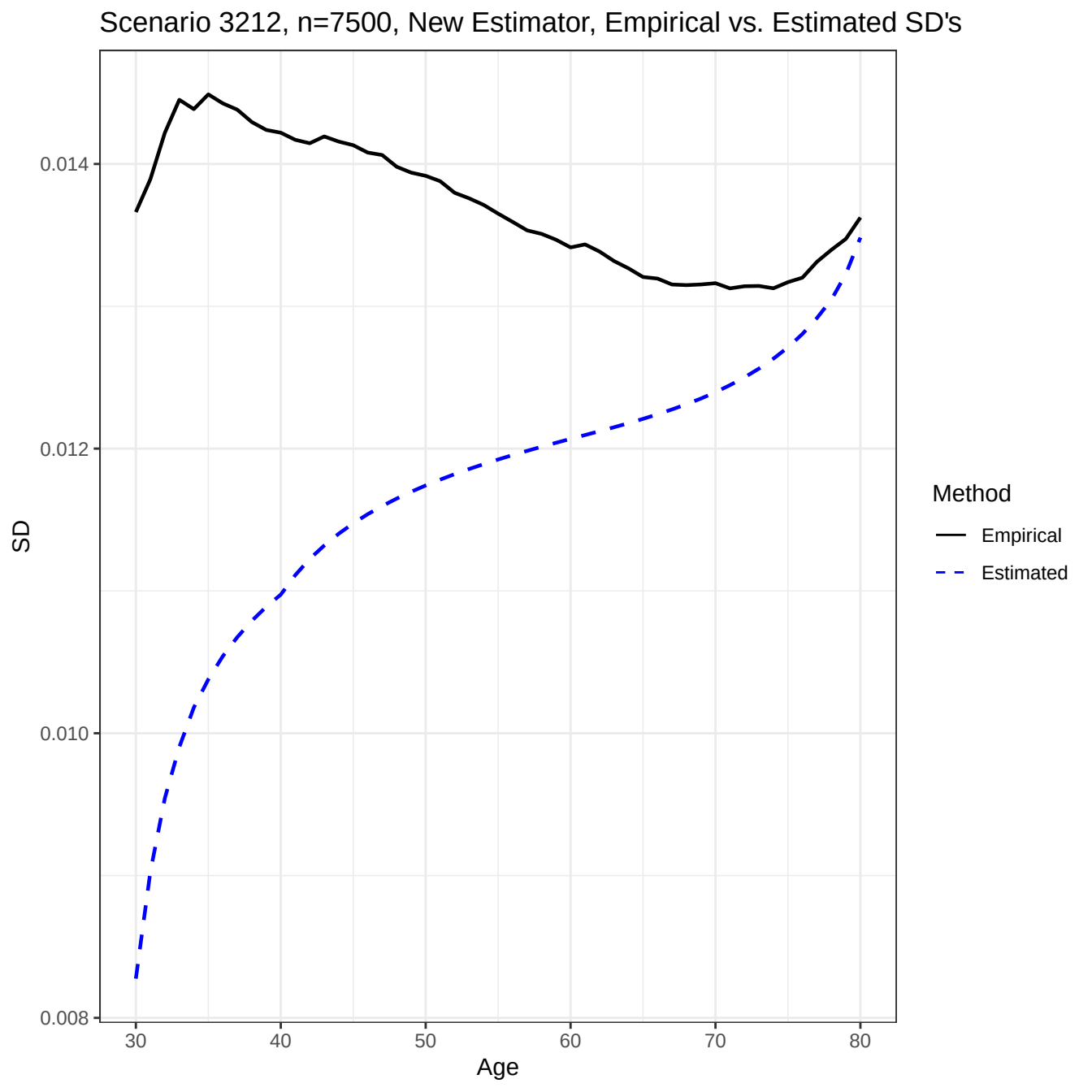

Scenario 3212, n=7500, Means
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

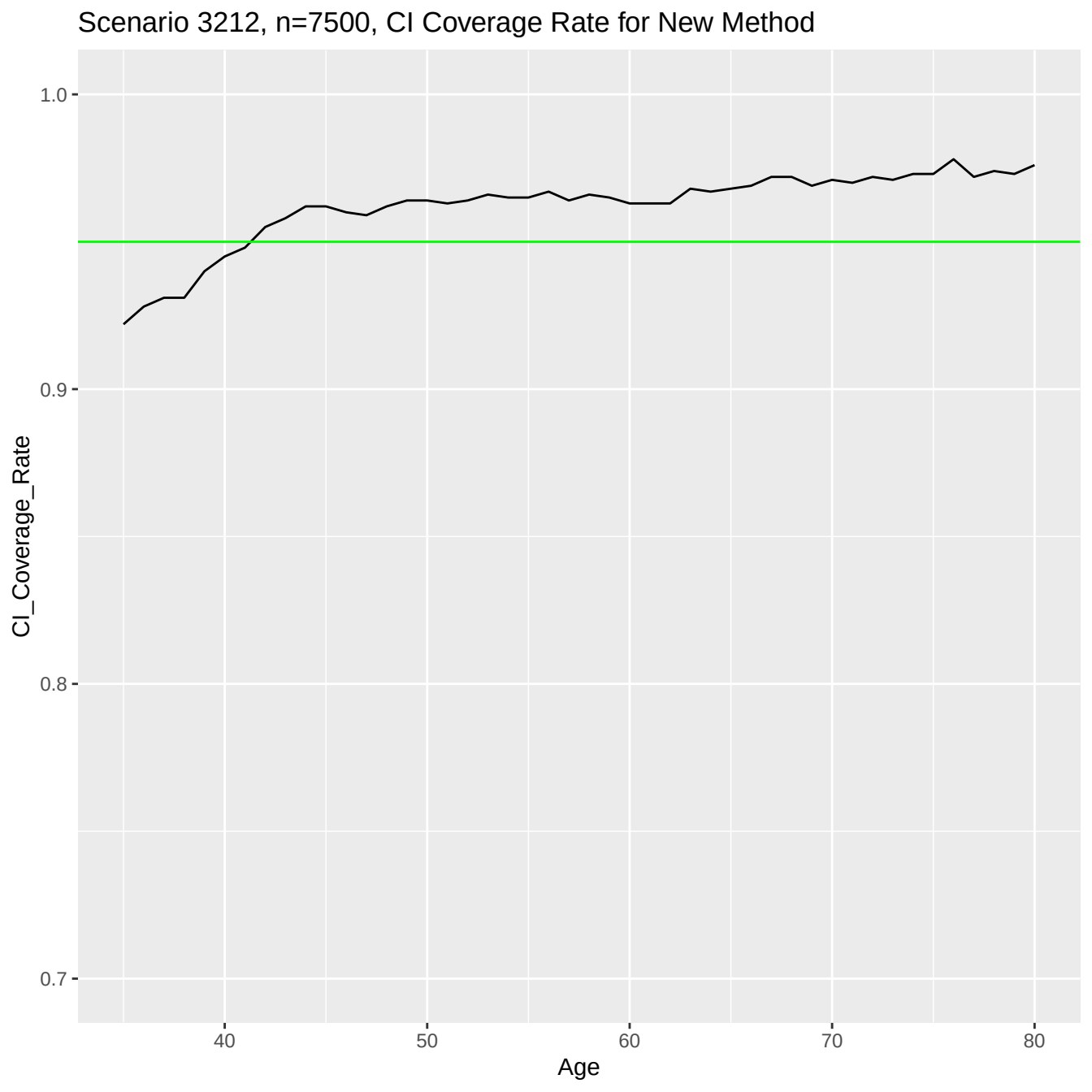

Scenario 3212, n=7500, Medians
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

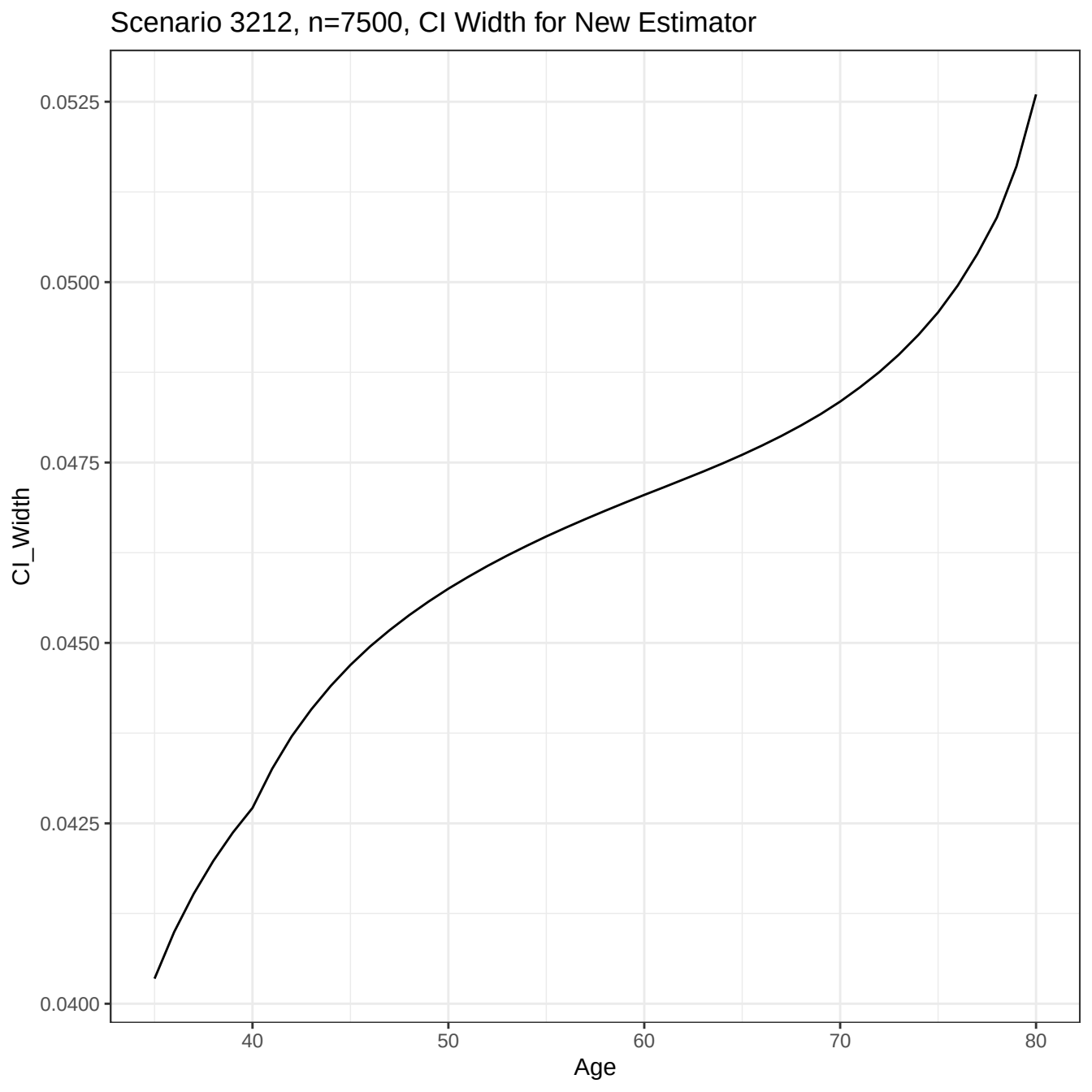

Scenario 3212, n=7500, SD'S
0.015
0.010
0.005
0.000
SD
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3212, n=7500, IQR'S
0.015
0.010
0.005
0.000
IQR
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3212, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.000
0.003
0.006
0.009
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3212, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.014
0.012
0.010
0.008
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3212, n=7500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3212, n=7500, CI Width for New Estimator
CI_Width
0.0525
0.0500
0.0475
0.0450
0.0425
0.0400
40
50
60
70
80
Age

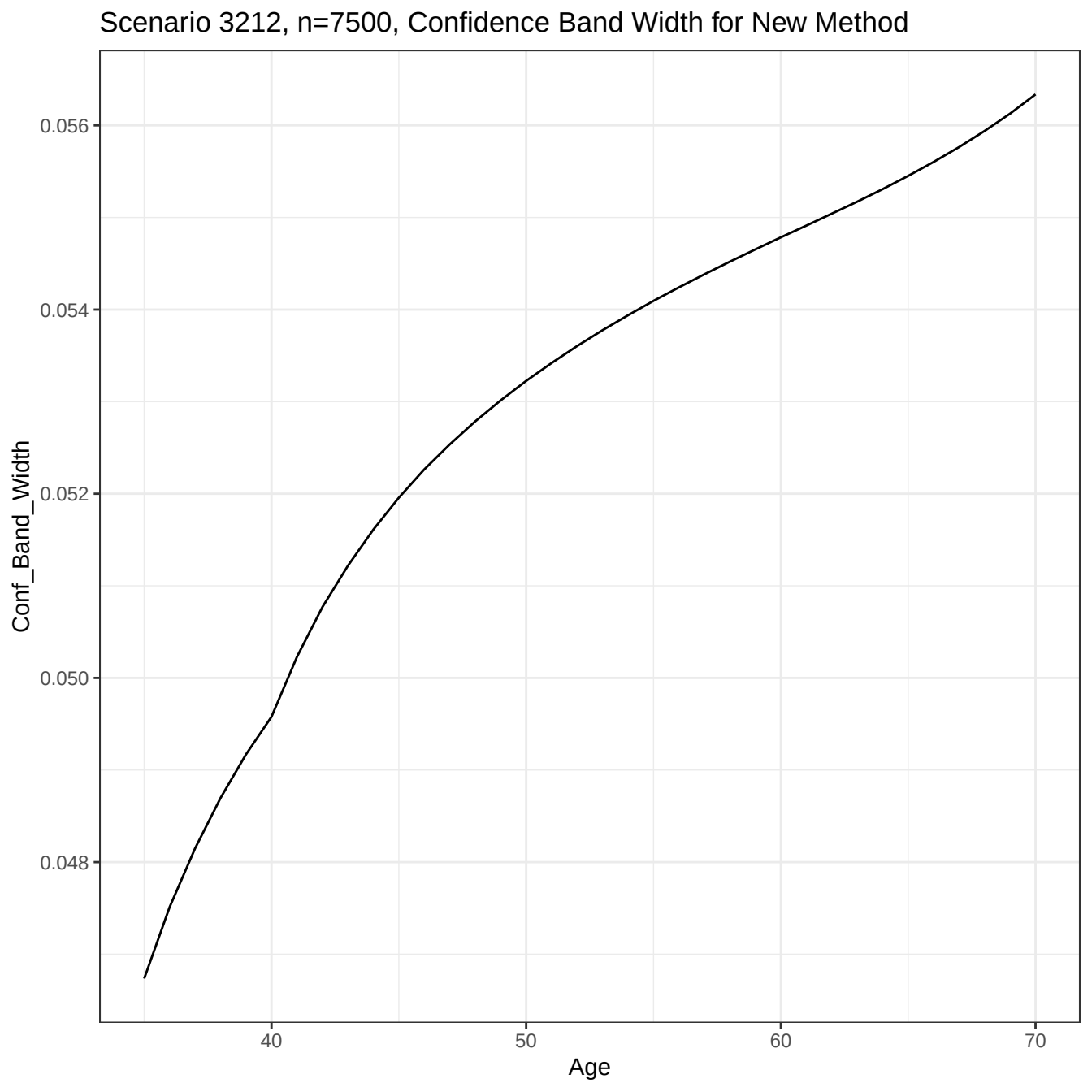
CONFIDENCE BAND COVERAGE RATES

Scenario: 3212

AJ0: 0

AJ: 0.618

New: 0.936


Scenario 3212, n=7500, Confidence Band Width for New Method
Conf_Band_Width
0.056
0.054
0.052
0.050
0.048
40
50
60
70
Age

SETTINGS

Scenario: 3221

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

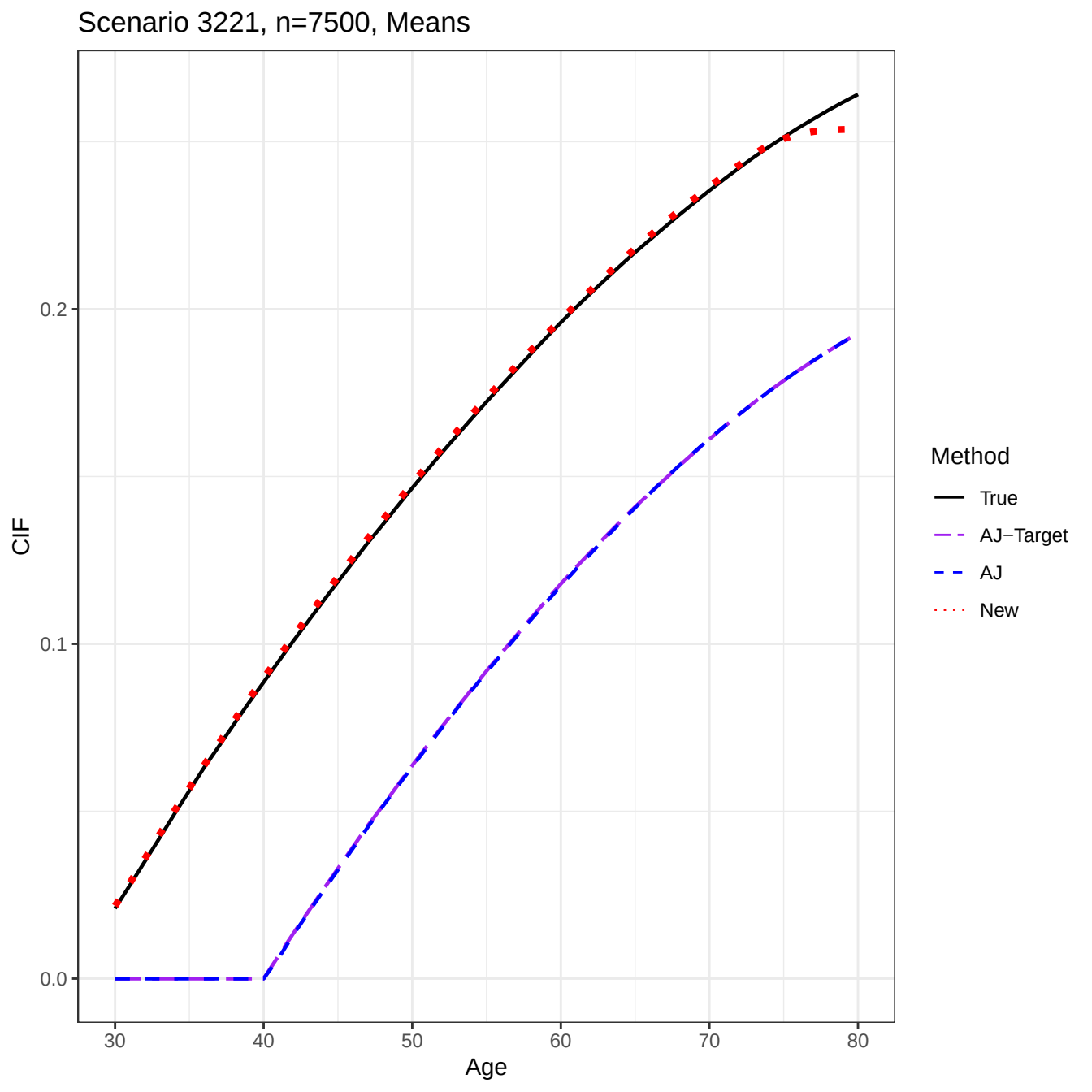
transformation: 0.5*pi − asin(sqrt(1−u))

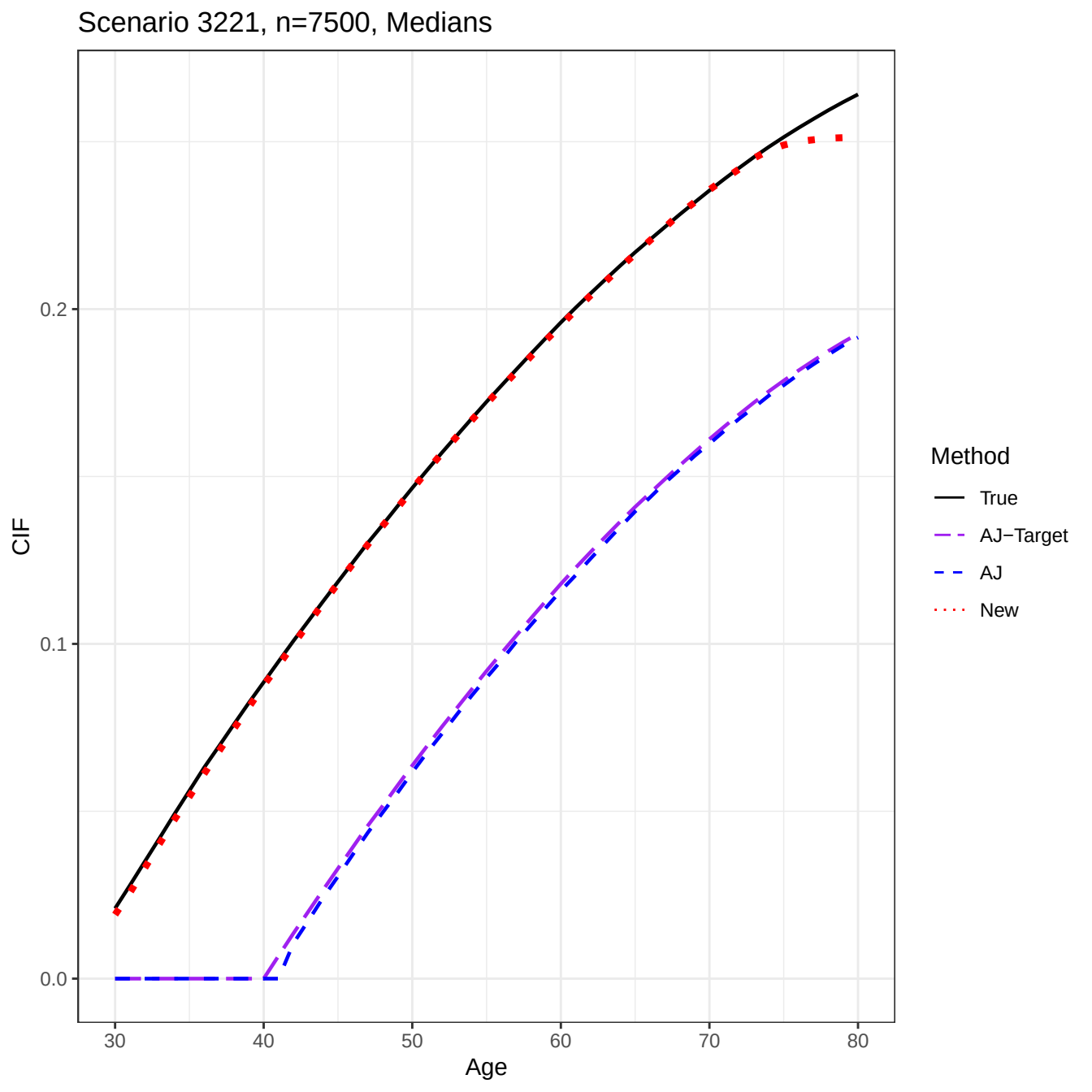
pointwise CI's done by: normal−theory

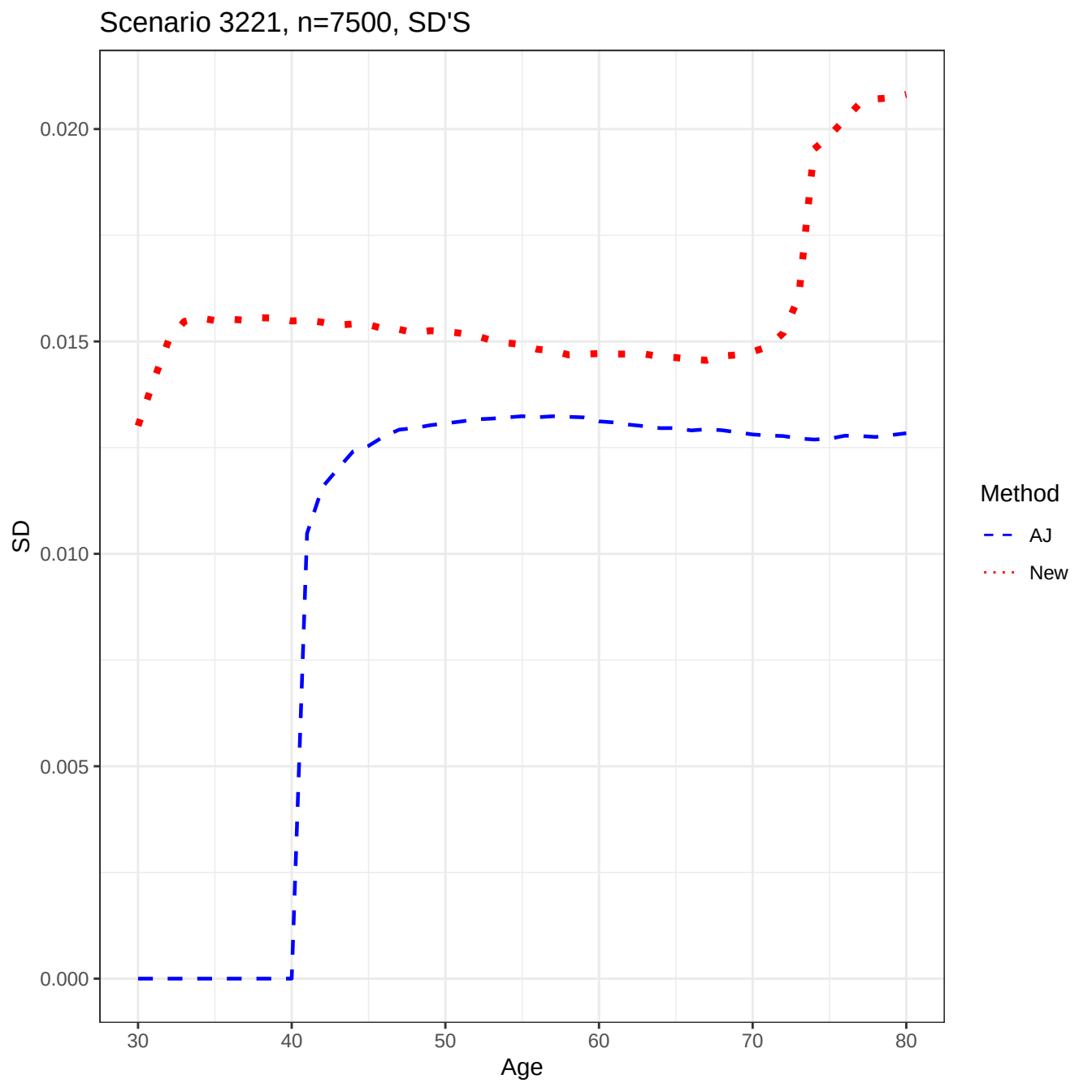
auxflg = FALSE

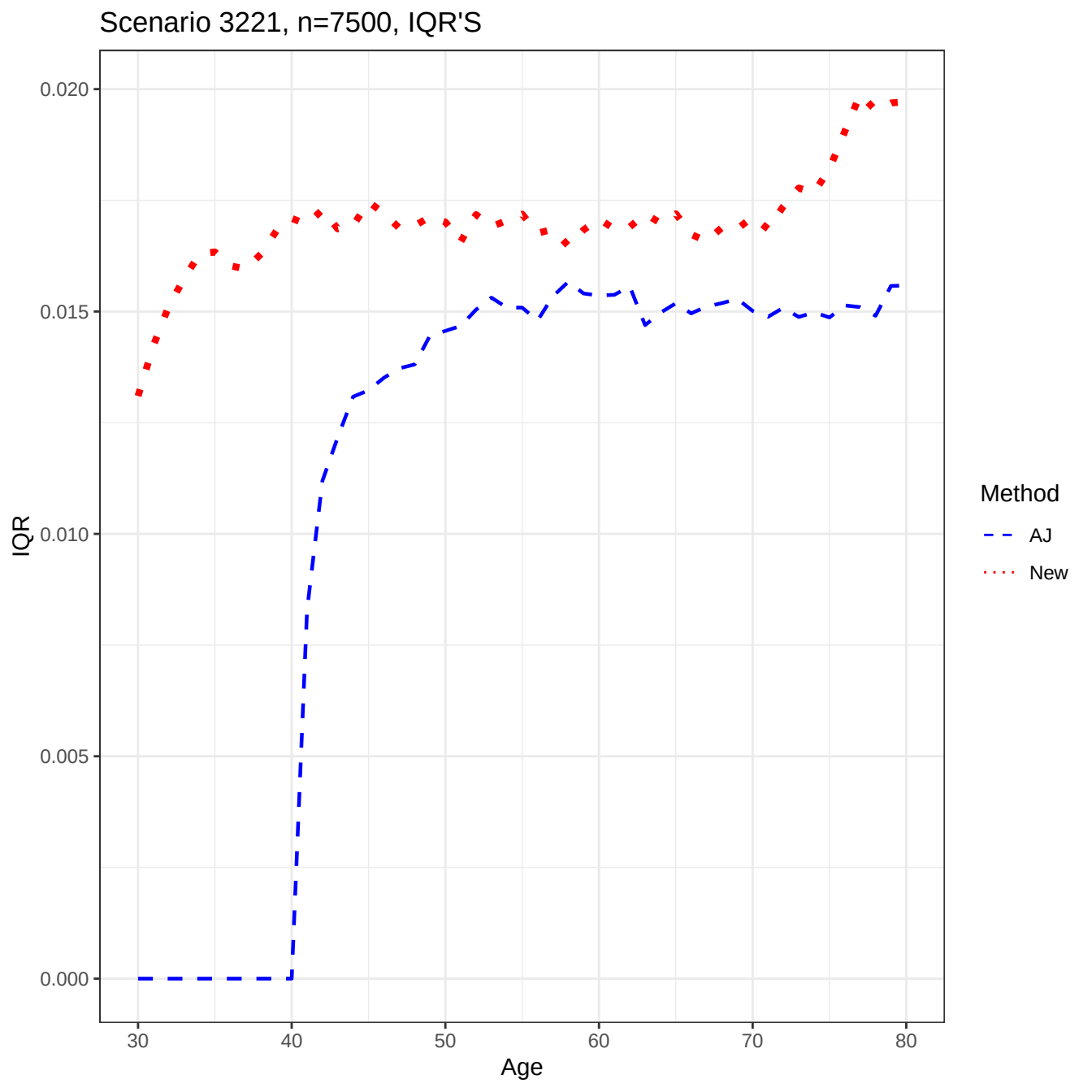
bootstrap weights: normal

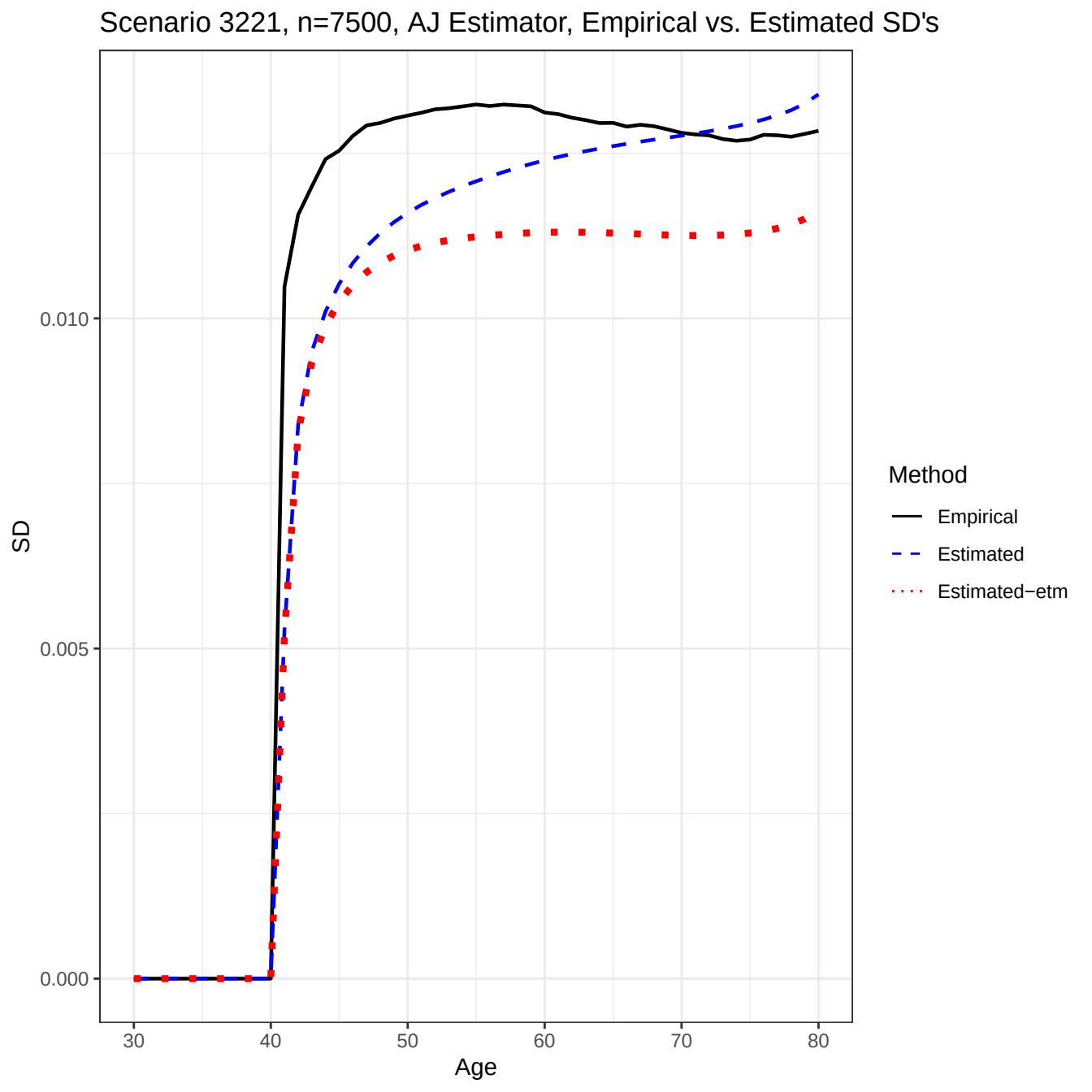
Date/Time: 2024−01−23 22:47:45.067384

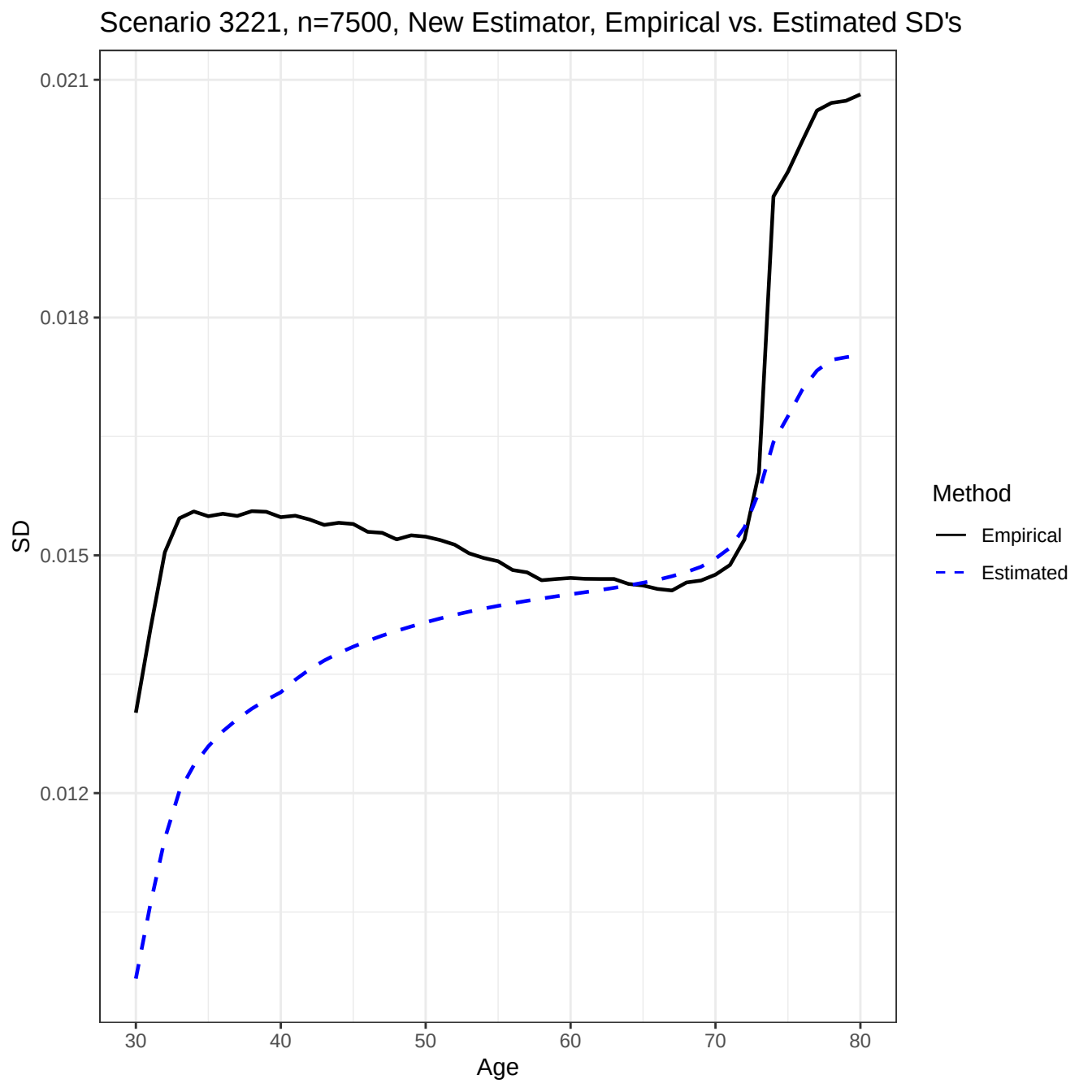

Scenario 3221, n=7500, Means
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

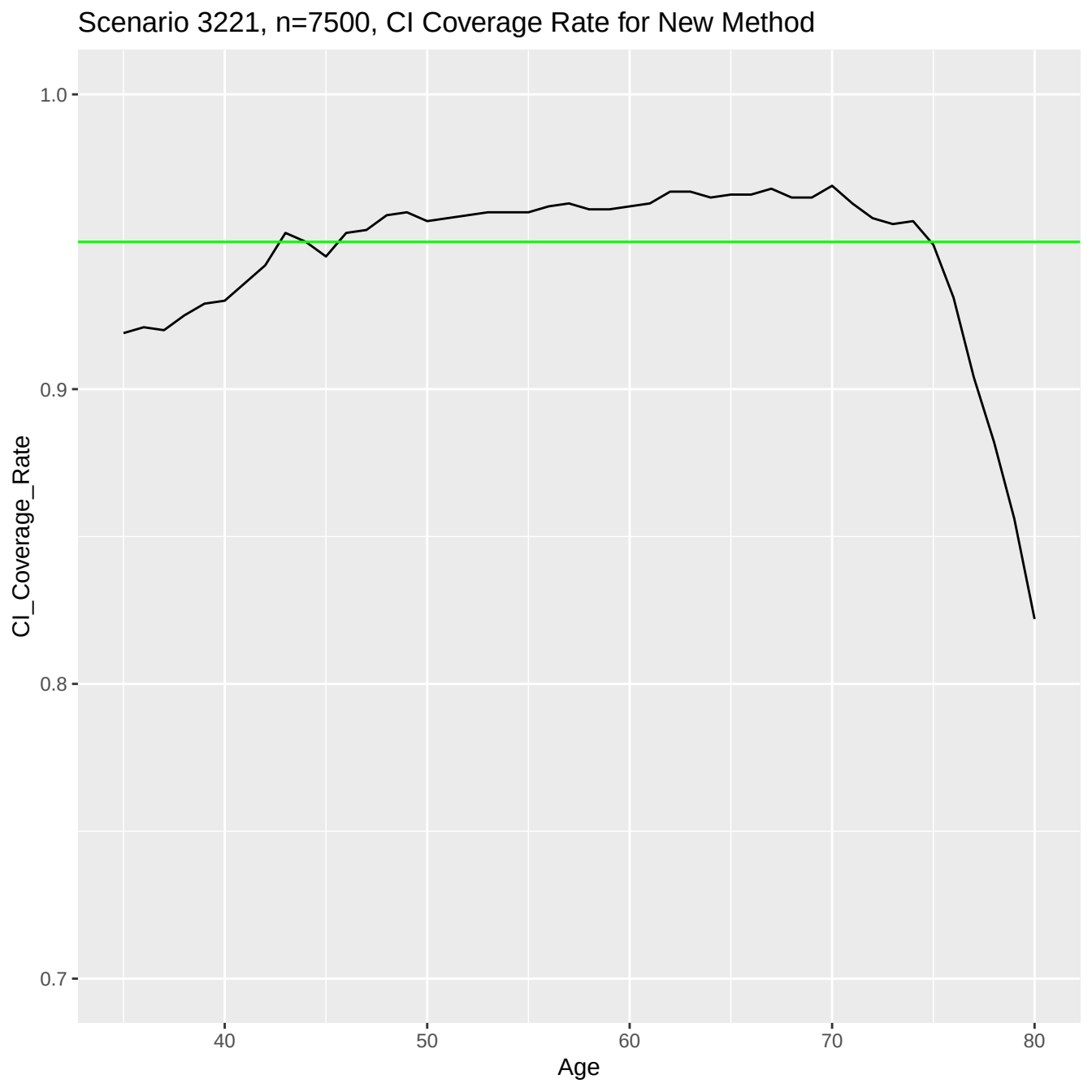

Scenario 3221, n=7500, Medians
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

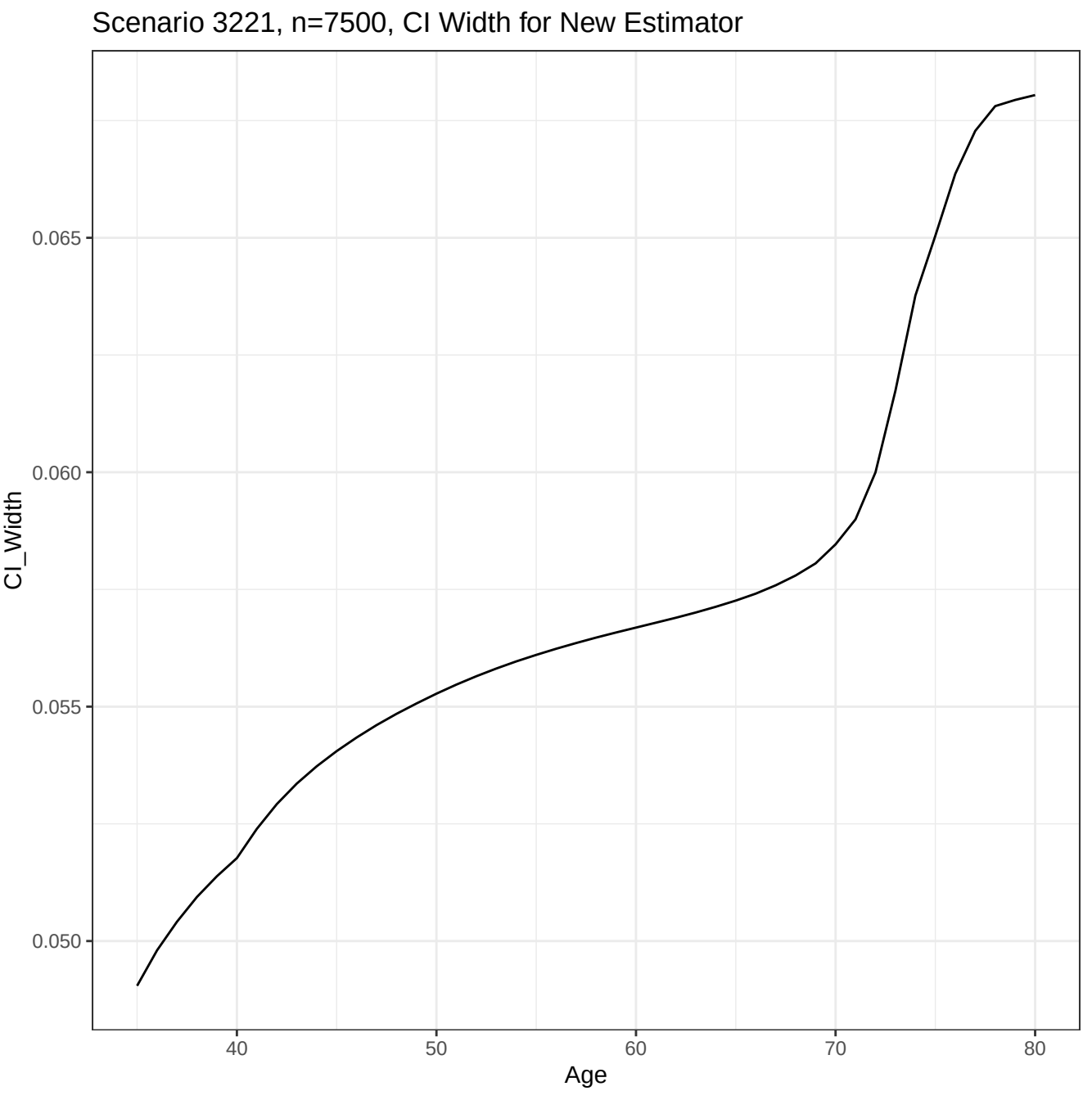

Scenario 3221, n=7500, SD'S
SD
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3221, n=7500, IQR'S
IQR
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3221, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.000
0.005
0.010
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3221, n=7500, New Estimator, Empirical vs. Estimated SD's
0.021
0.018
0.015
0.012
SD
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3221, n=7500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3221, n=7500, CI Width for New Estimator
CI_Width
0.065
0.060
0.055
0.050
40
50
60
70
80
Age

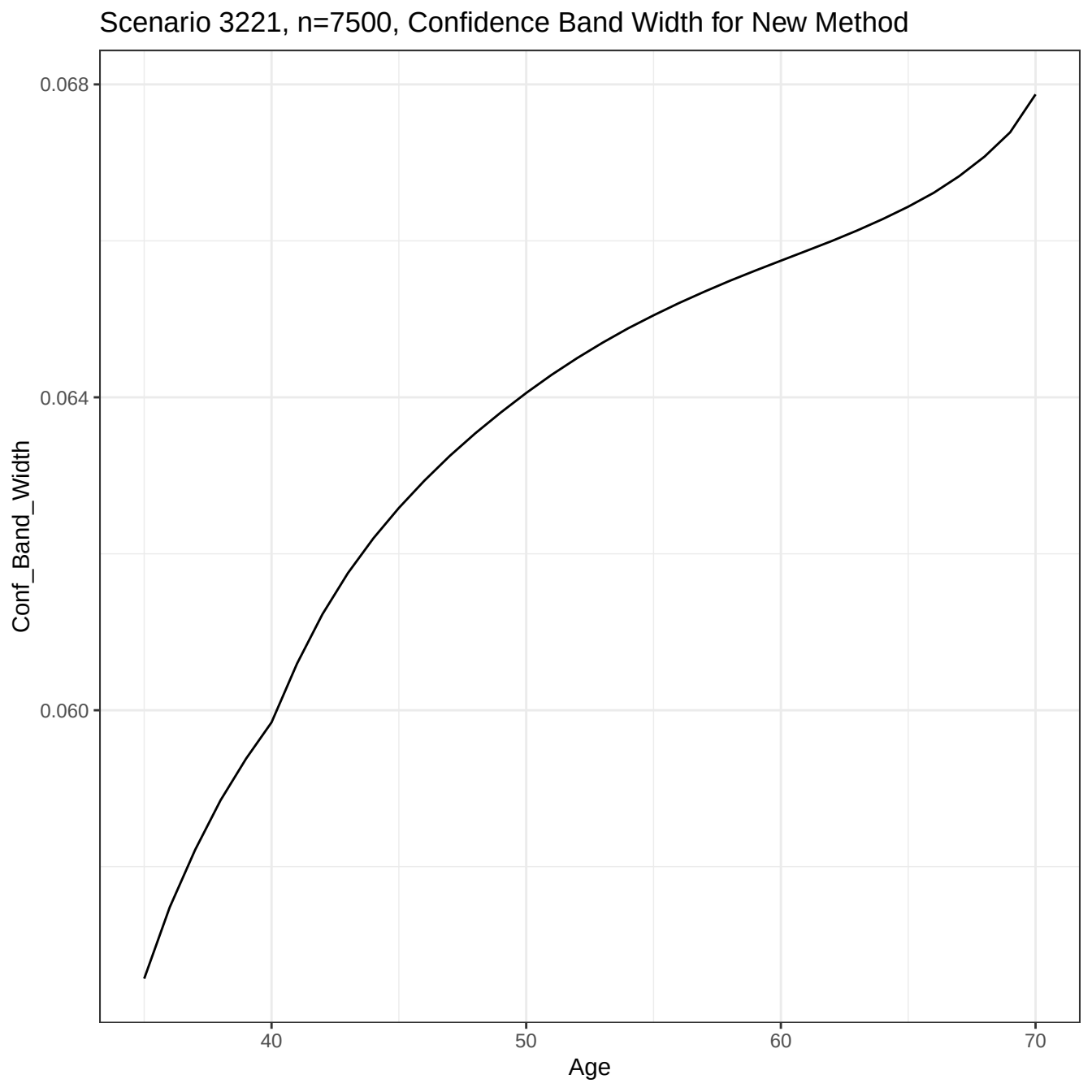
CONFIDENCE BAND COVERAGE RATES

Scenario: 3221

AJ0: 0

AJ: 0.442

New: 0.93


Scenario 3221, n=7500, Confidence Band Width for New Method
0.068
0.064
0.060
Conf_Band_Width
40
50
60
70
Age

SETTINGS

Scenario: 3222

sample size = 7500

number of simulation replications = 1000

number of bootstrap replications = 250

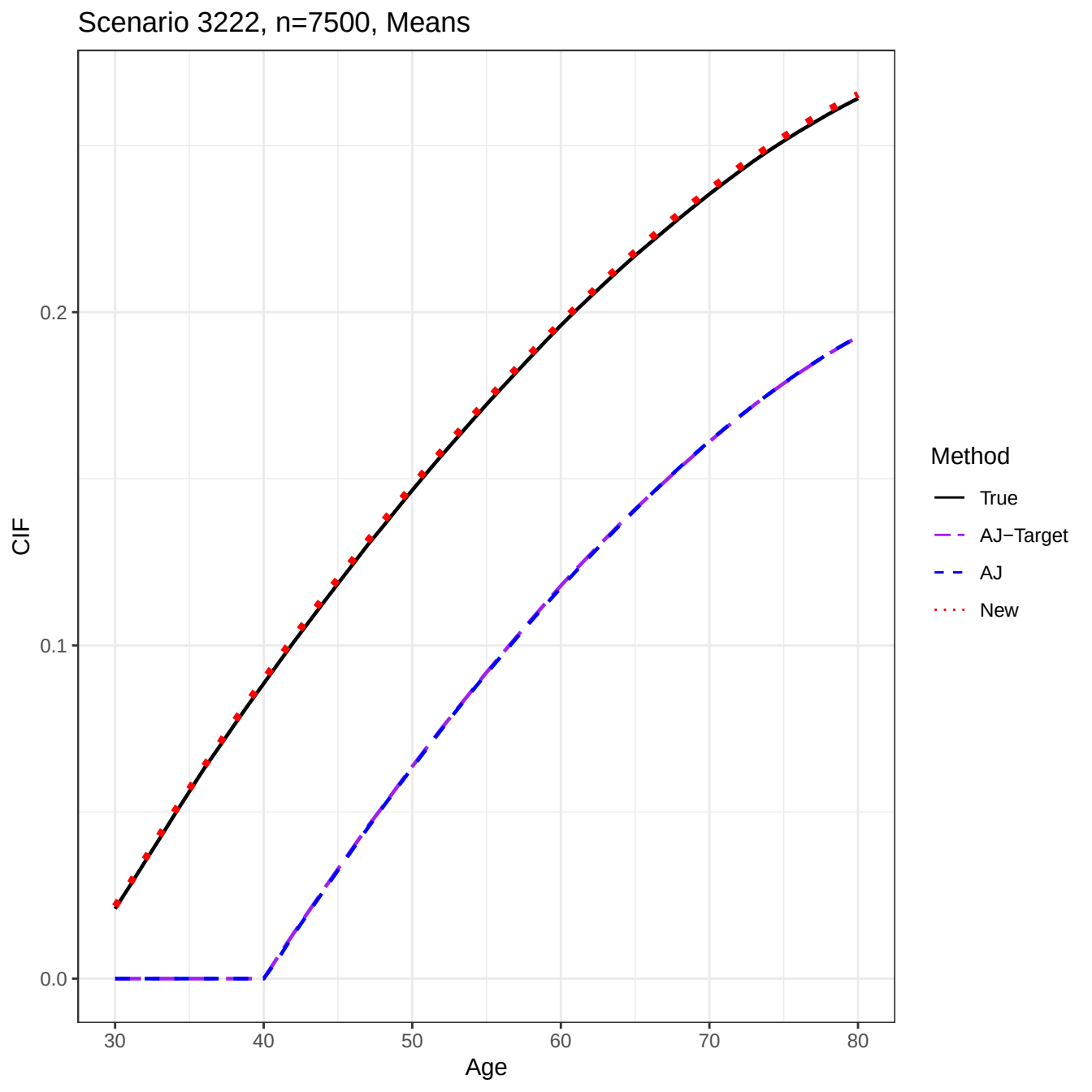
transformation: 0.5*pi − asin(sqrt(1−u))

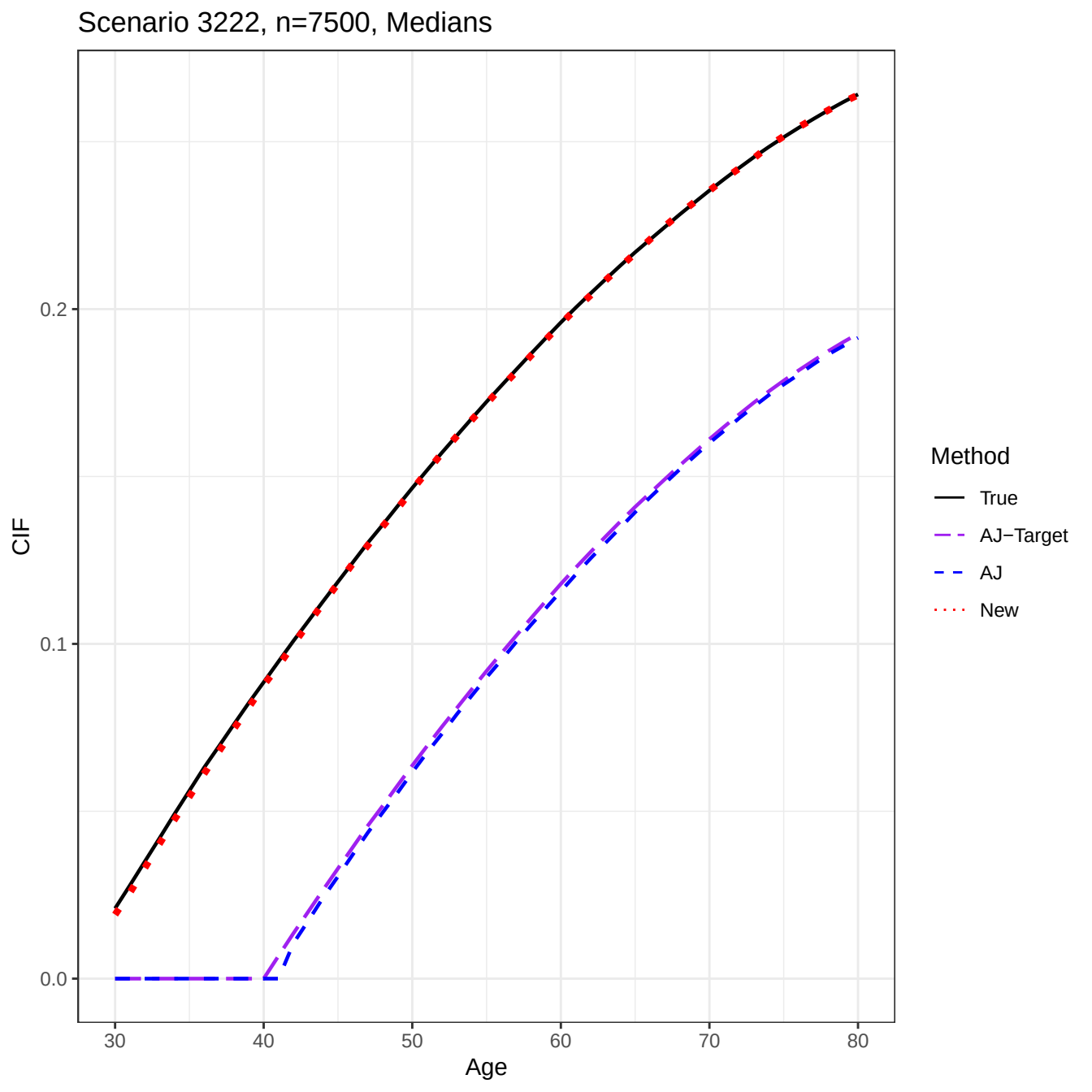
pointwise CI's done by: normal−theory

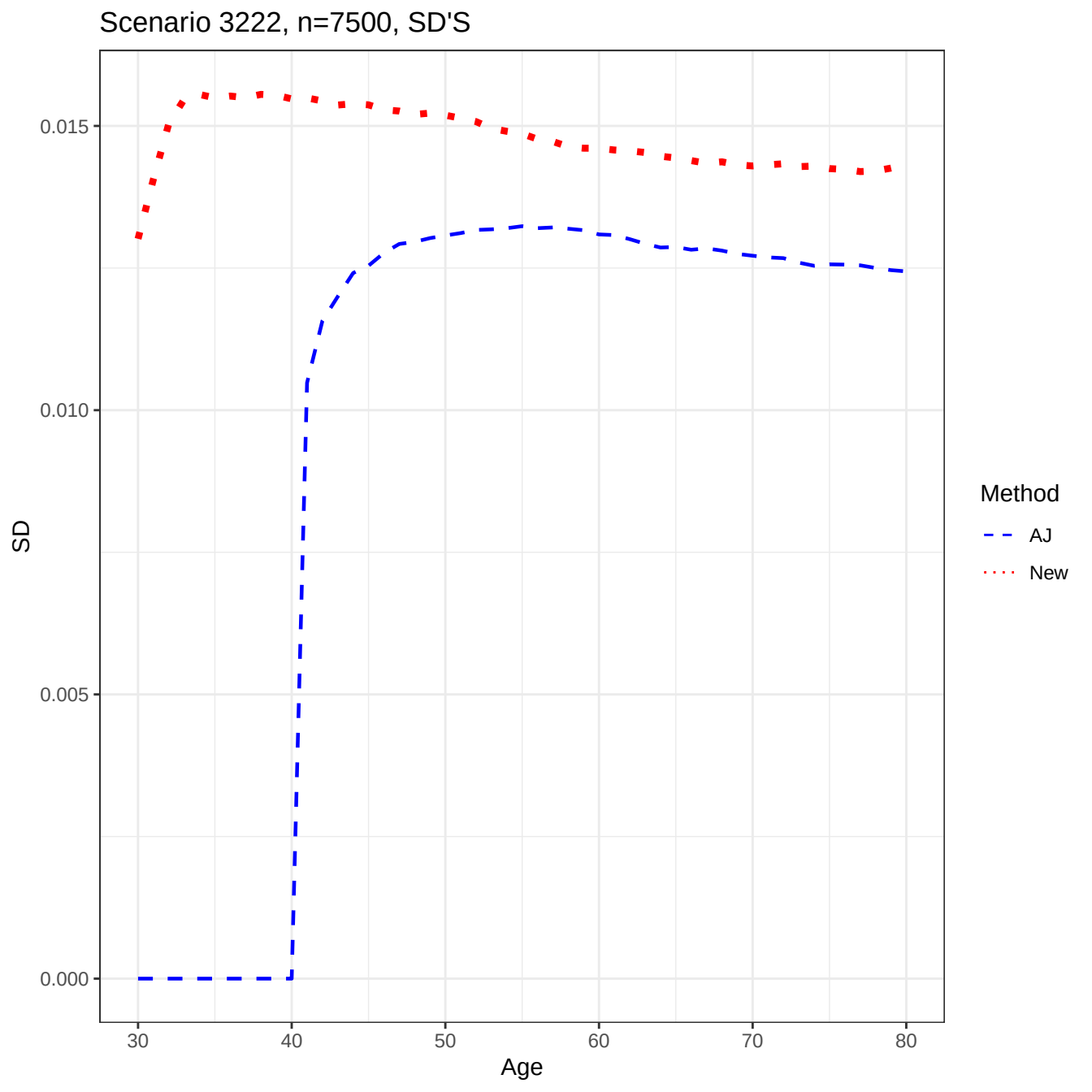
auxflg = FALSE

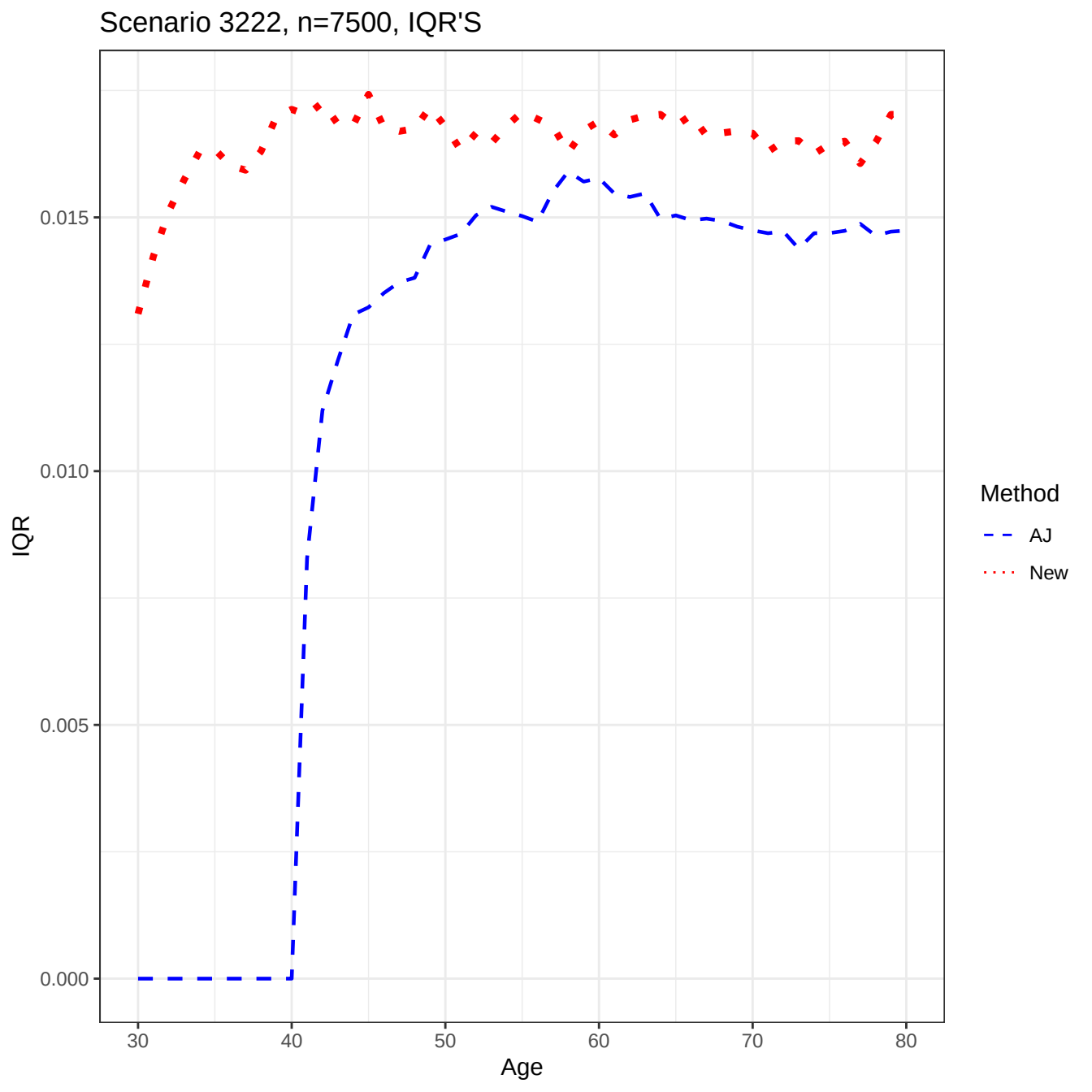
bootstrap weights: normal

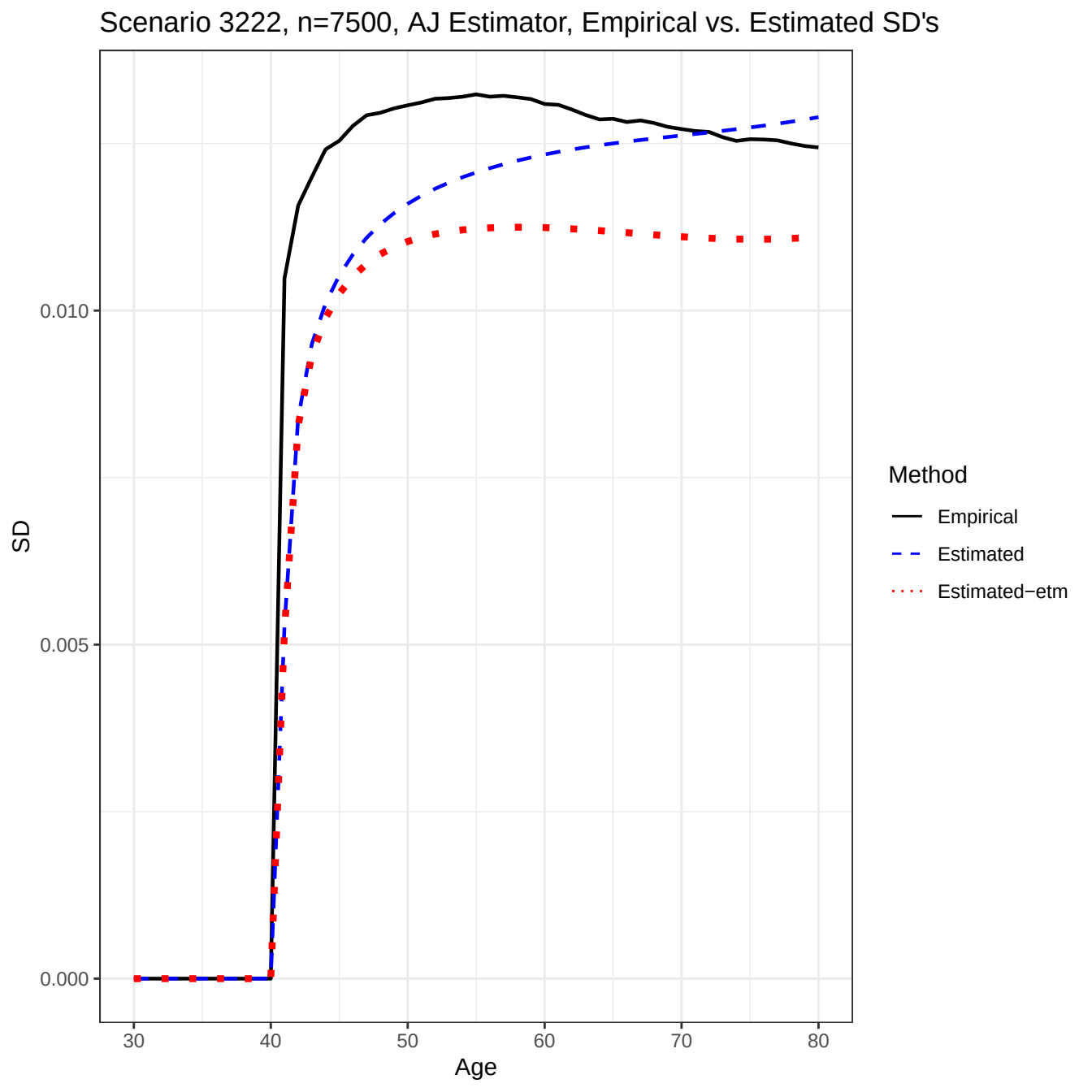
Date/Time: 2024−01−24 02:39:41.643776

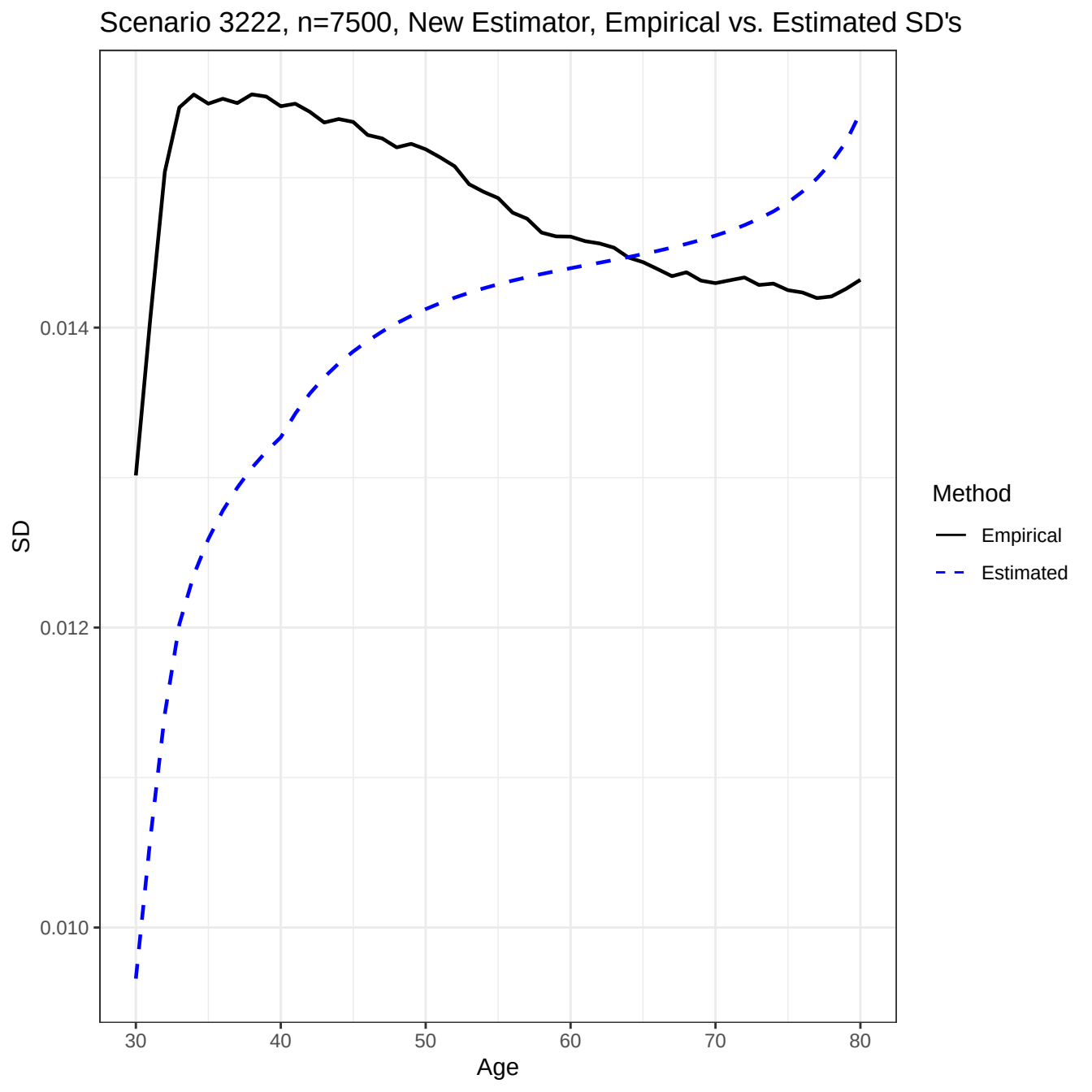

Scenario 3222, n=7500, Means
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

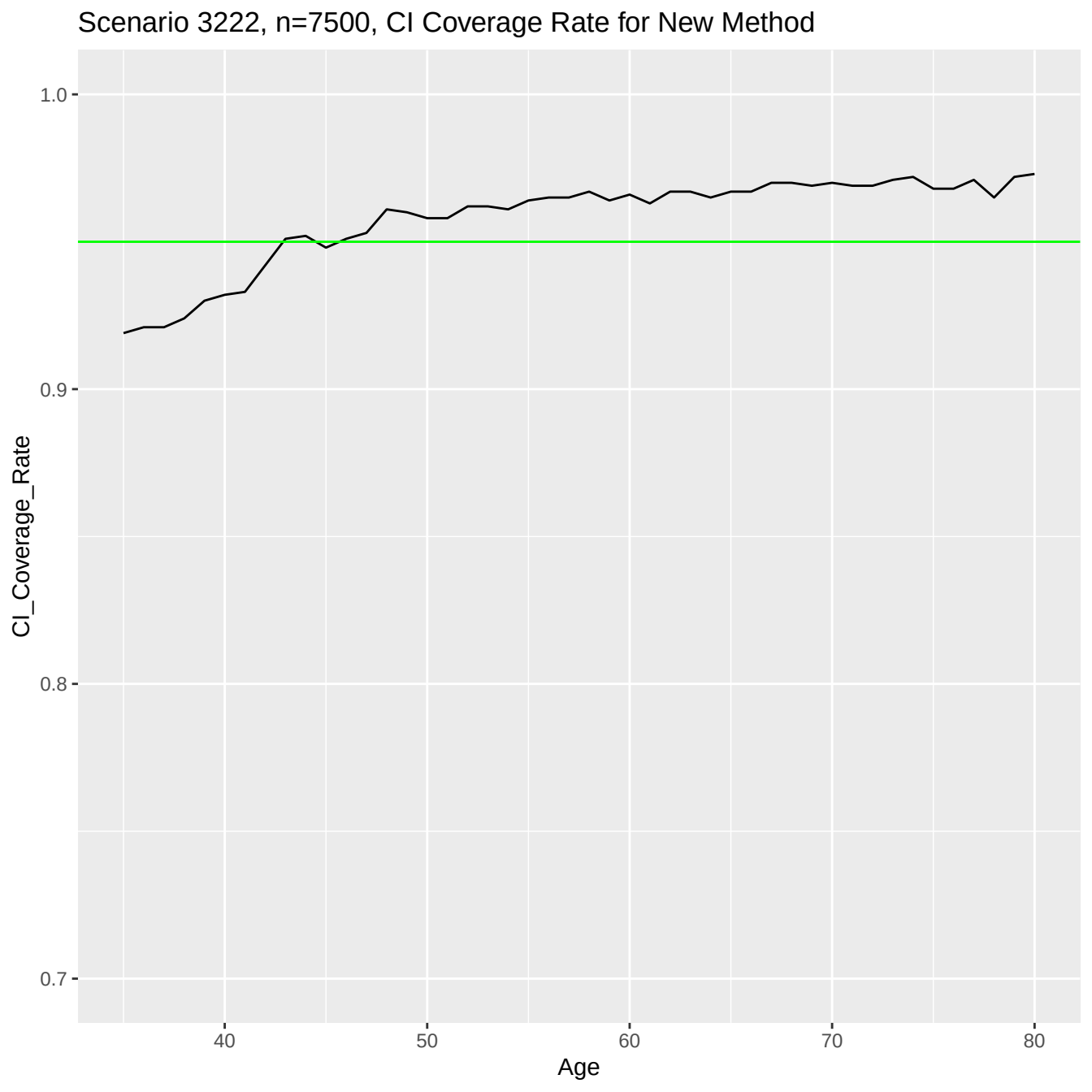

Scenario 3222, n=7500, Medians
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

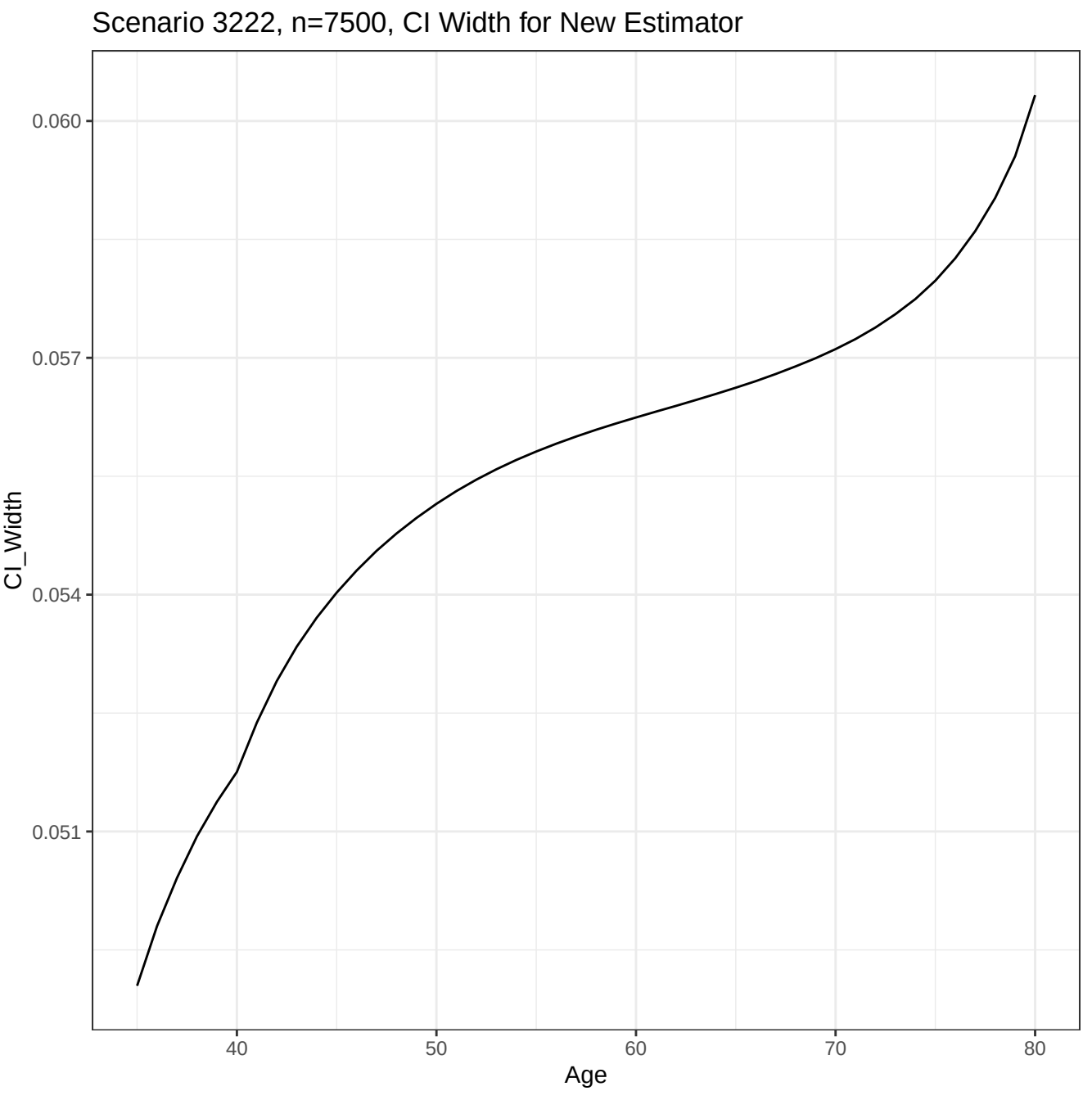

Scenario 3222, n=7500, SD'S
0.015
0.010
0.005
0.000
SD
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3222, n=7500, IQR'S
IQR
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3222, n=7500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3222, n=7500, New Estimator, Empirical vs. Estimated SD's
SD
0.014
0.012
0.010
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3222, n=7500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3222, n=7500, CI Width for New Estimator
0.060
0.057
0.054
0.051
CI_Width
40
50
60
70
80
Age

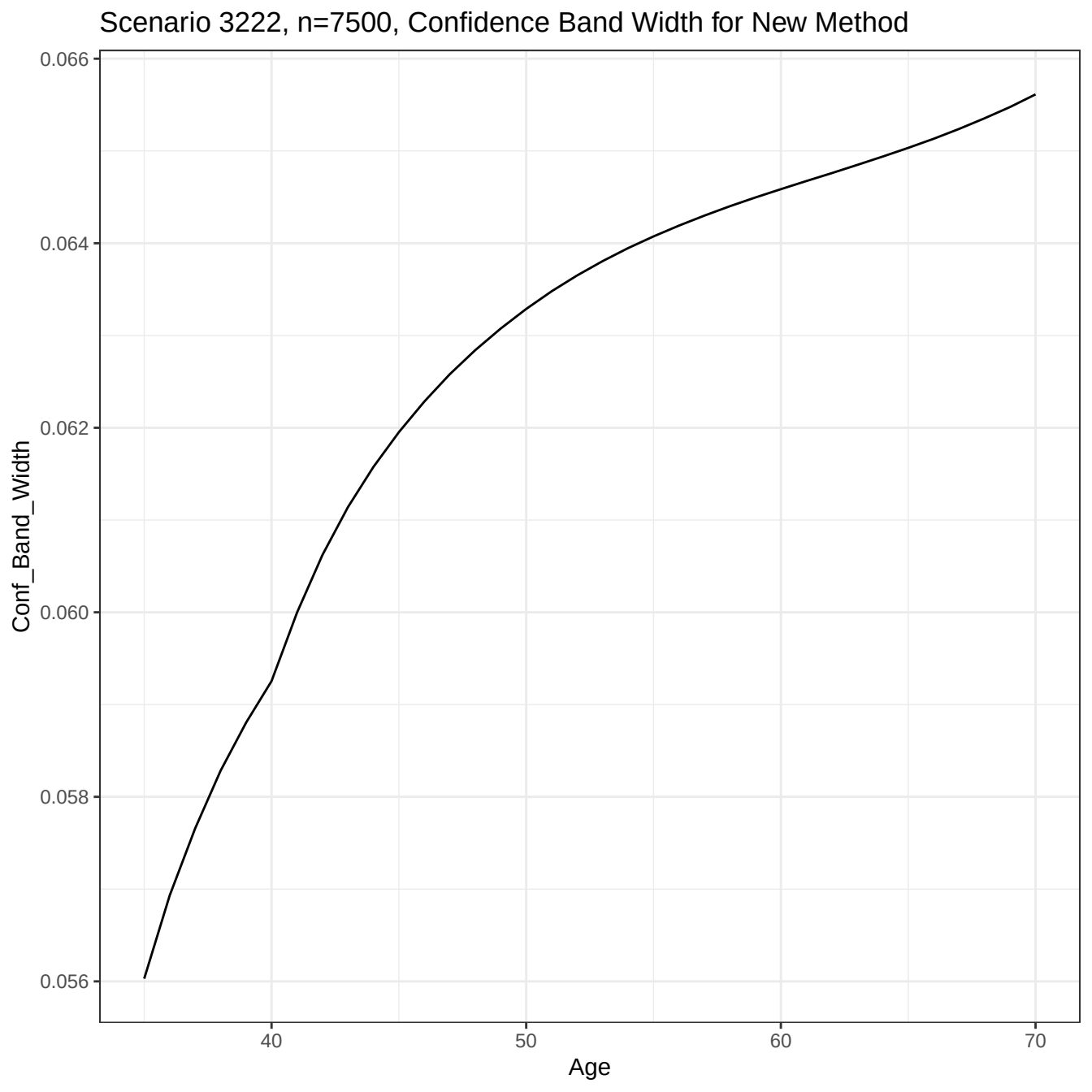
CONFIDENCE BAND COVERAGE RATES

Scenario: 3222

AJ0: 0

AJ: 0.442

New: 0.927


Scenario 3222, n=7500, Confidence Band Width for New Method
Conf_Band_Width
0.066
0.064
0.062
0.060
0.058
0.056
40
50
60
70
Age