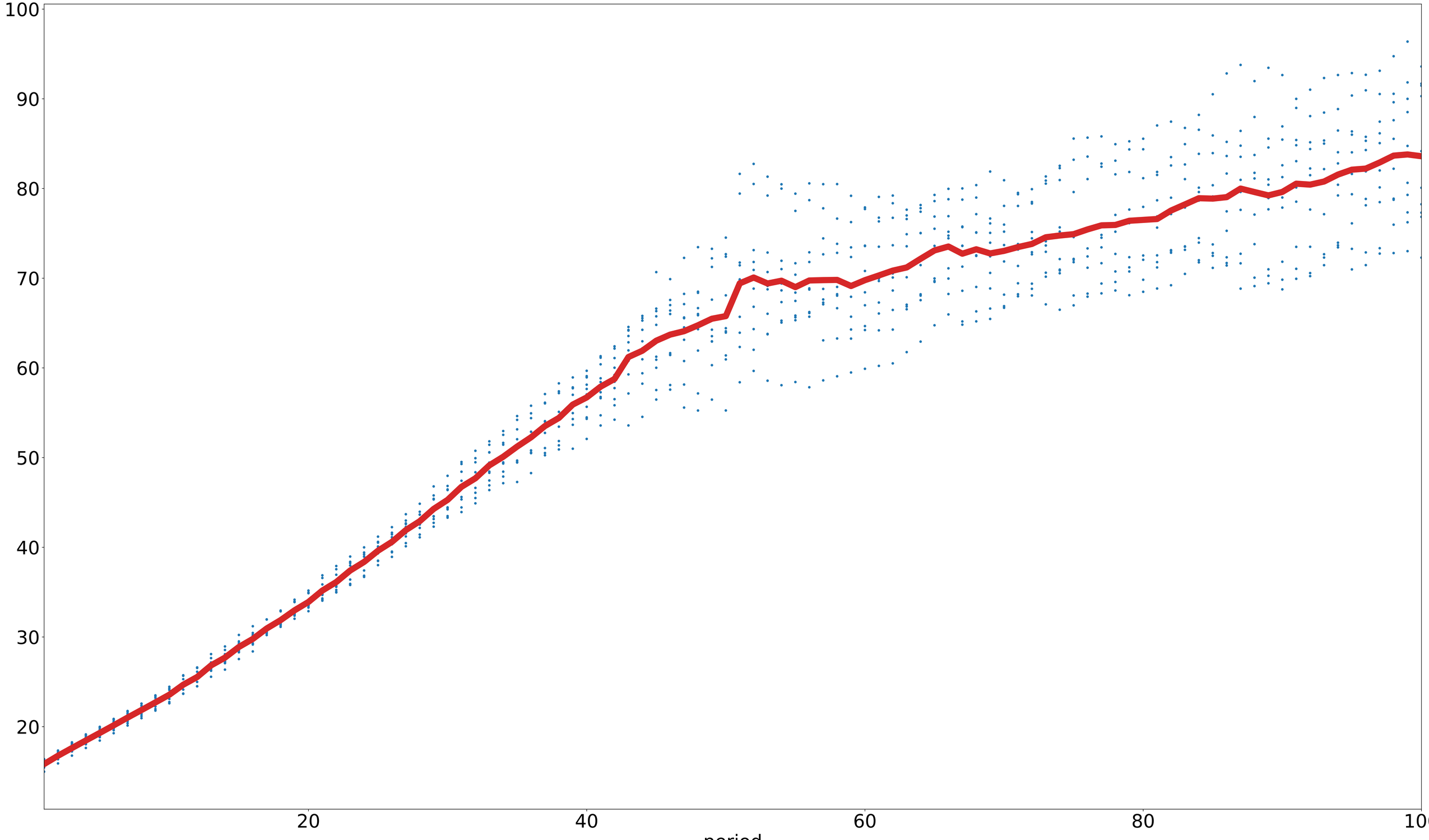
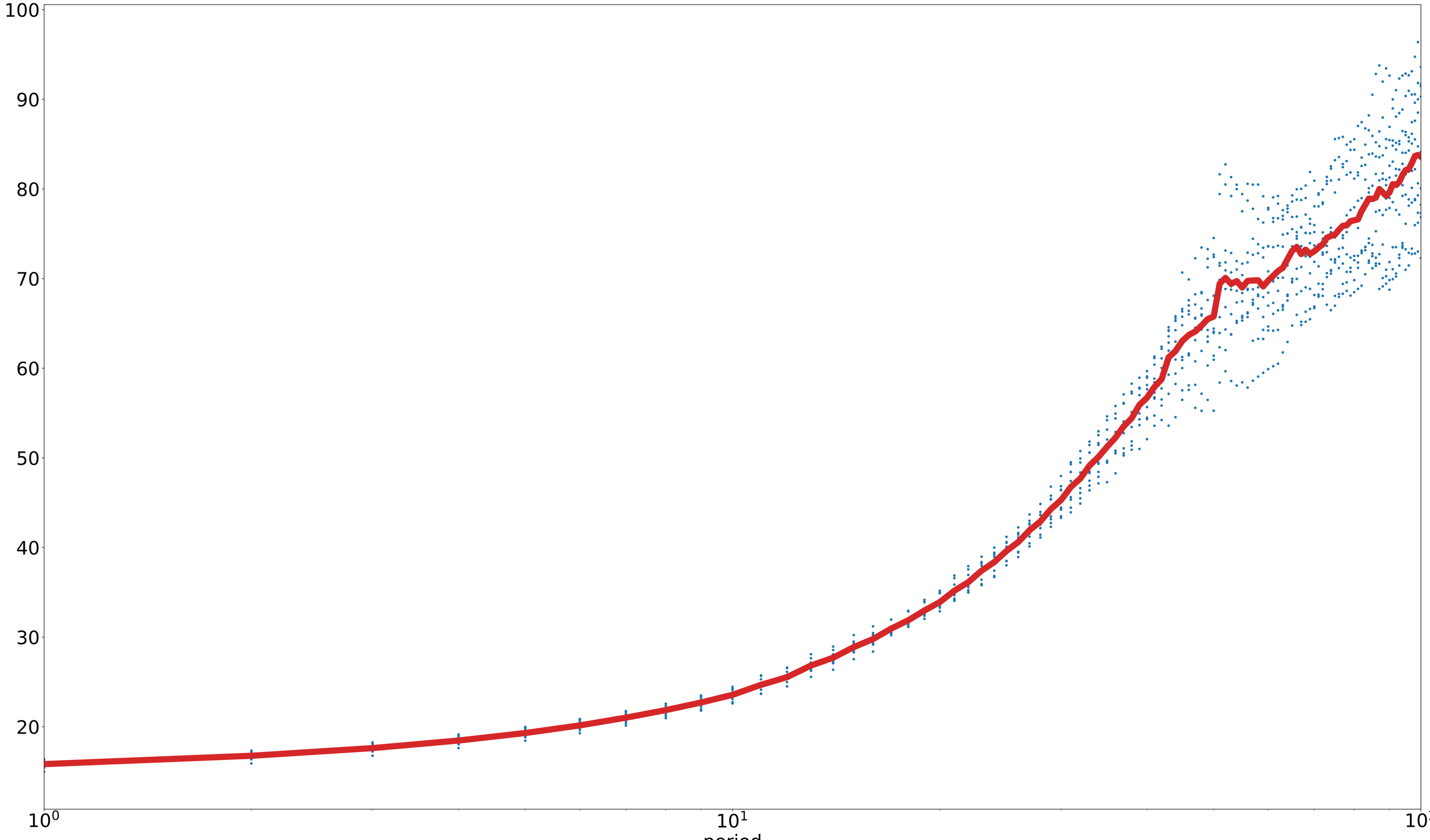
Water



Water



Water

10^2

6×10^1

4×10^1

3×10^1

2×10^1

10^0 10^1 10^2

period

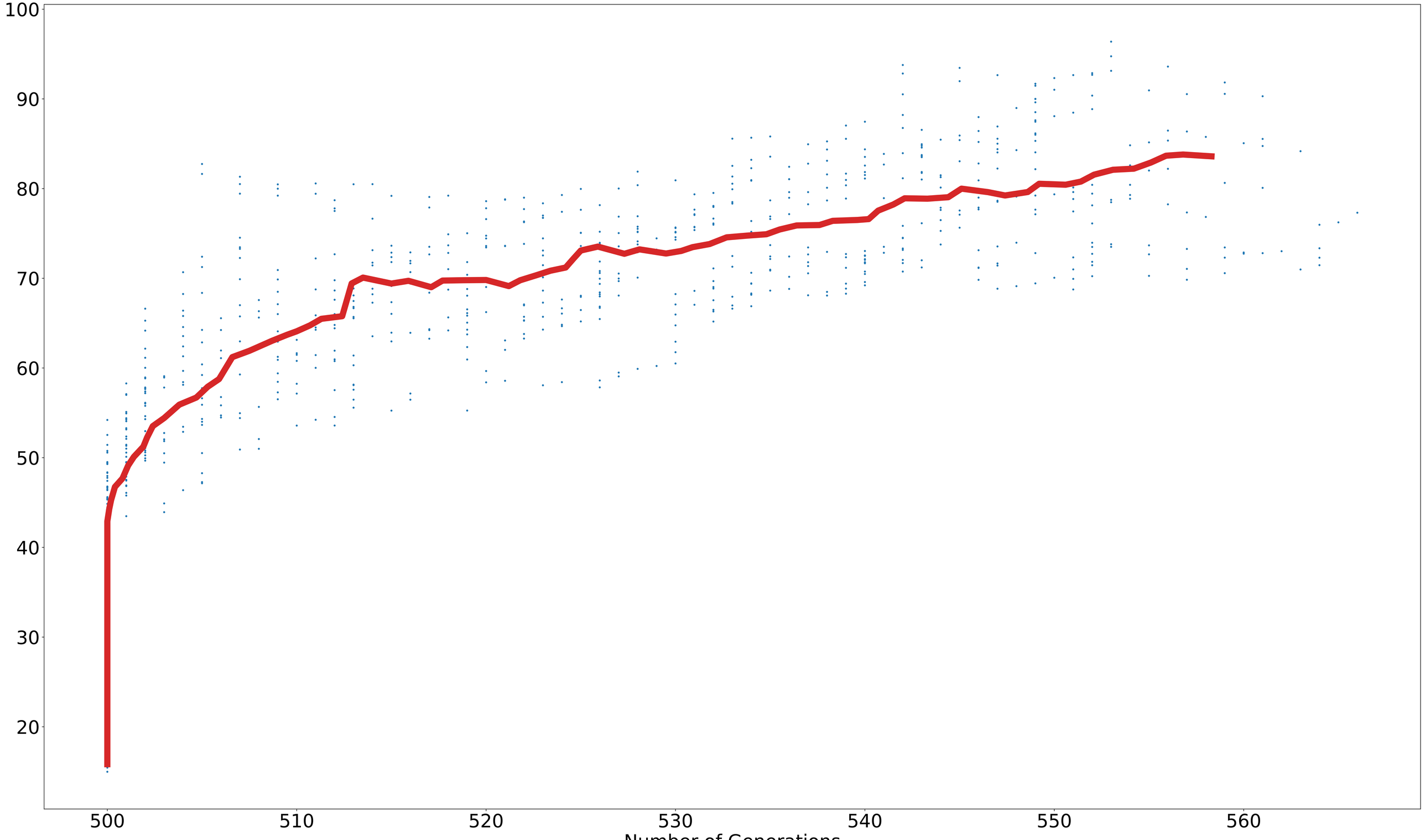
Water

10^2
6×10^1
4×10^1
3×10^1
2×10^1

20
40
60
80
100

period

Water


100
90
80
70
60
50
40
30
20
500
510
520
530
540
550
560
Number of Generations

Water

100
90
80
70
60
50
40
30
20

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Water

10^2
6×10^1
4×10^1
3×10^1
2×10^1

5×10^2
5.1×10^2
5.2×10^2
5.3×10^2
5.4×10^2
5.5×10^2
5.6×10^2

Number of Generations

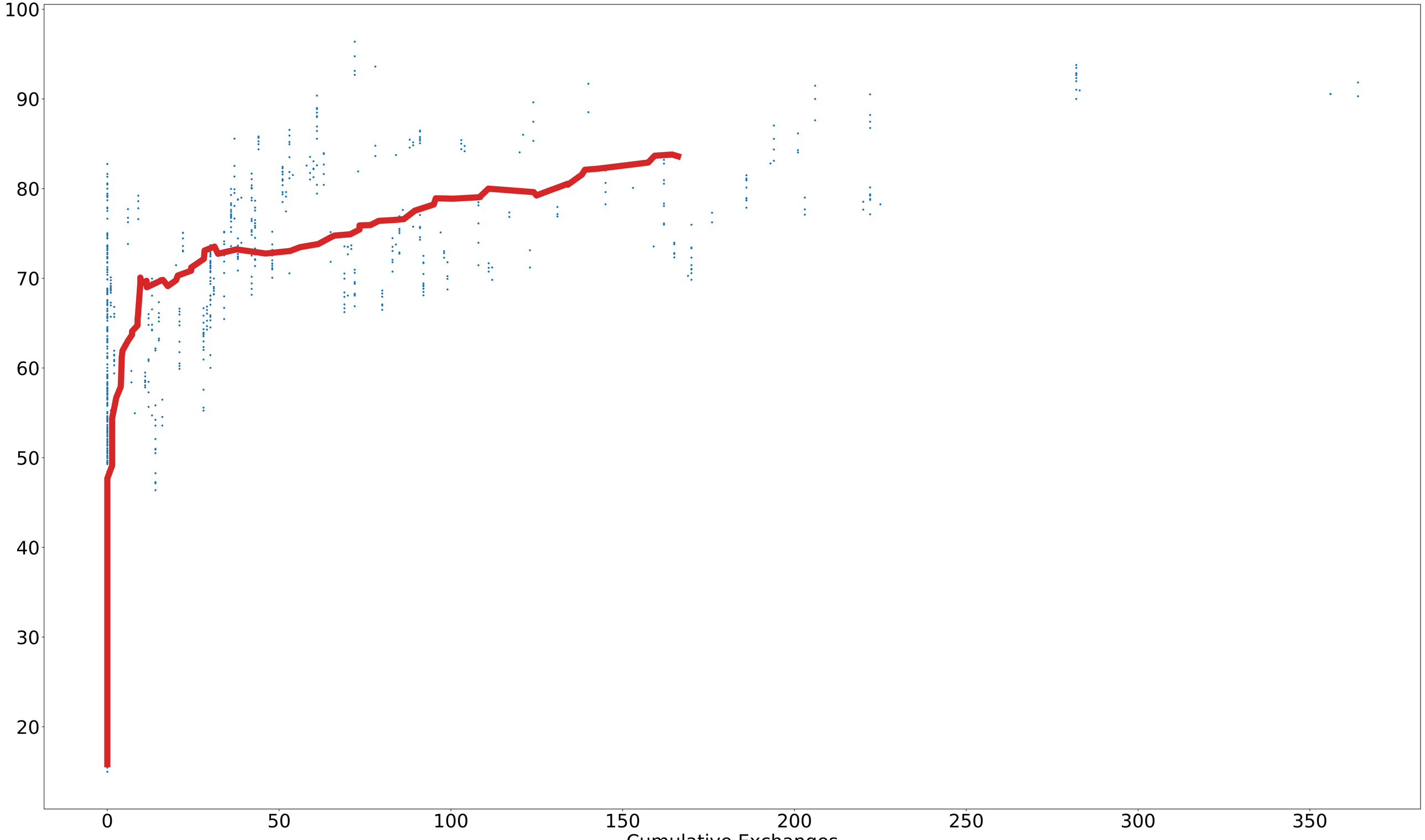
Water

10^2
6×10^1
4×10^1
3×10^1
2×10^1

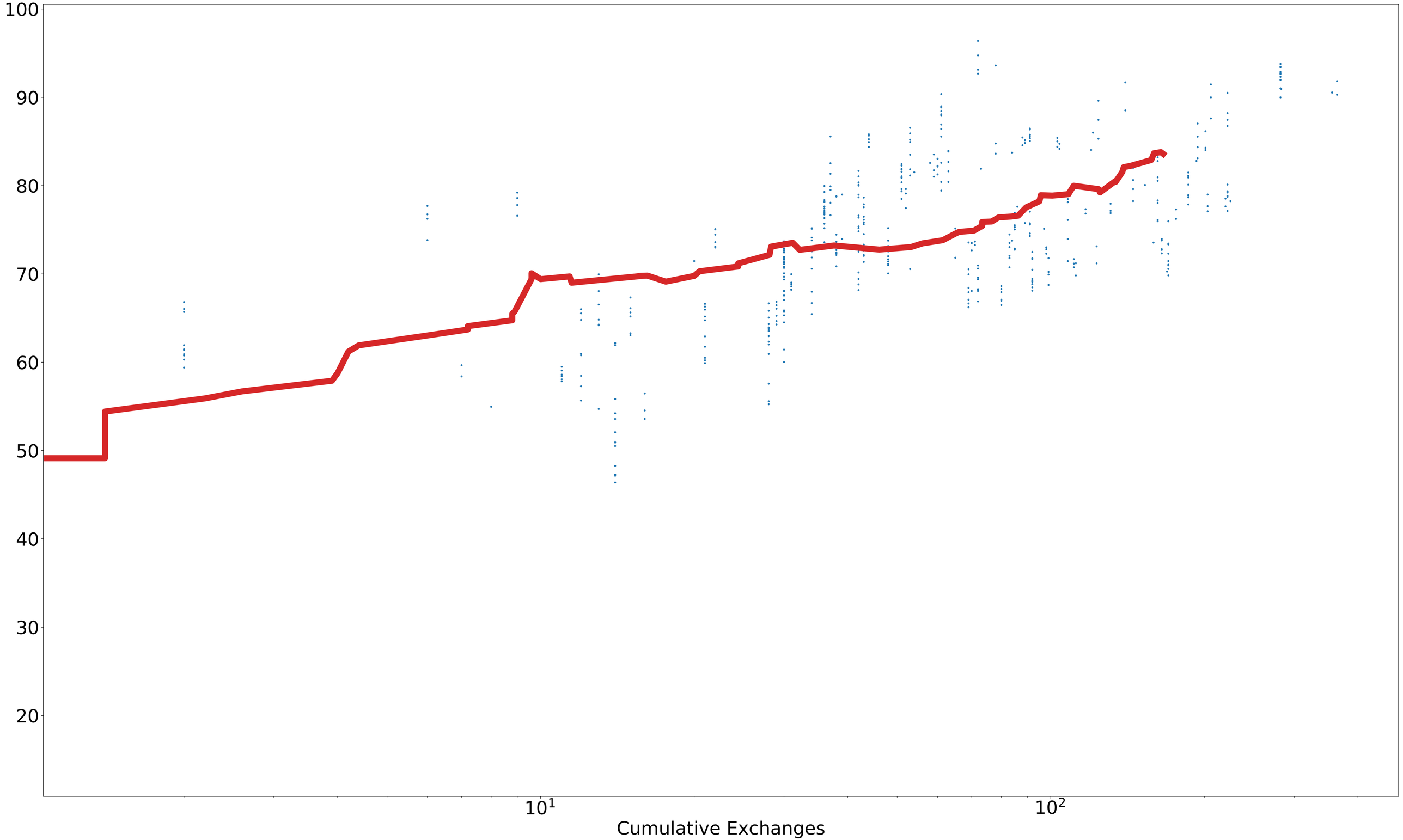
500 510 520 530 540 550 560

Number of Generations

Water


100
90
80
70
60
50
40
30
20
0
50
100
150
200
250
300
350
Cumulative Exchanges

Water



Water

10^2

6×10^1

4×10^1

3×10^1

2×10^1

10^1

10^2

Cumulative Exchanges

Water

10^2

6×10^1

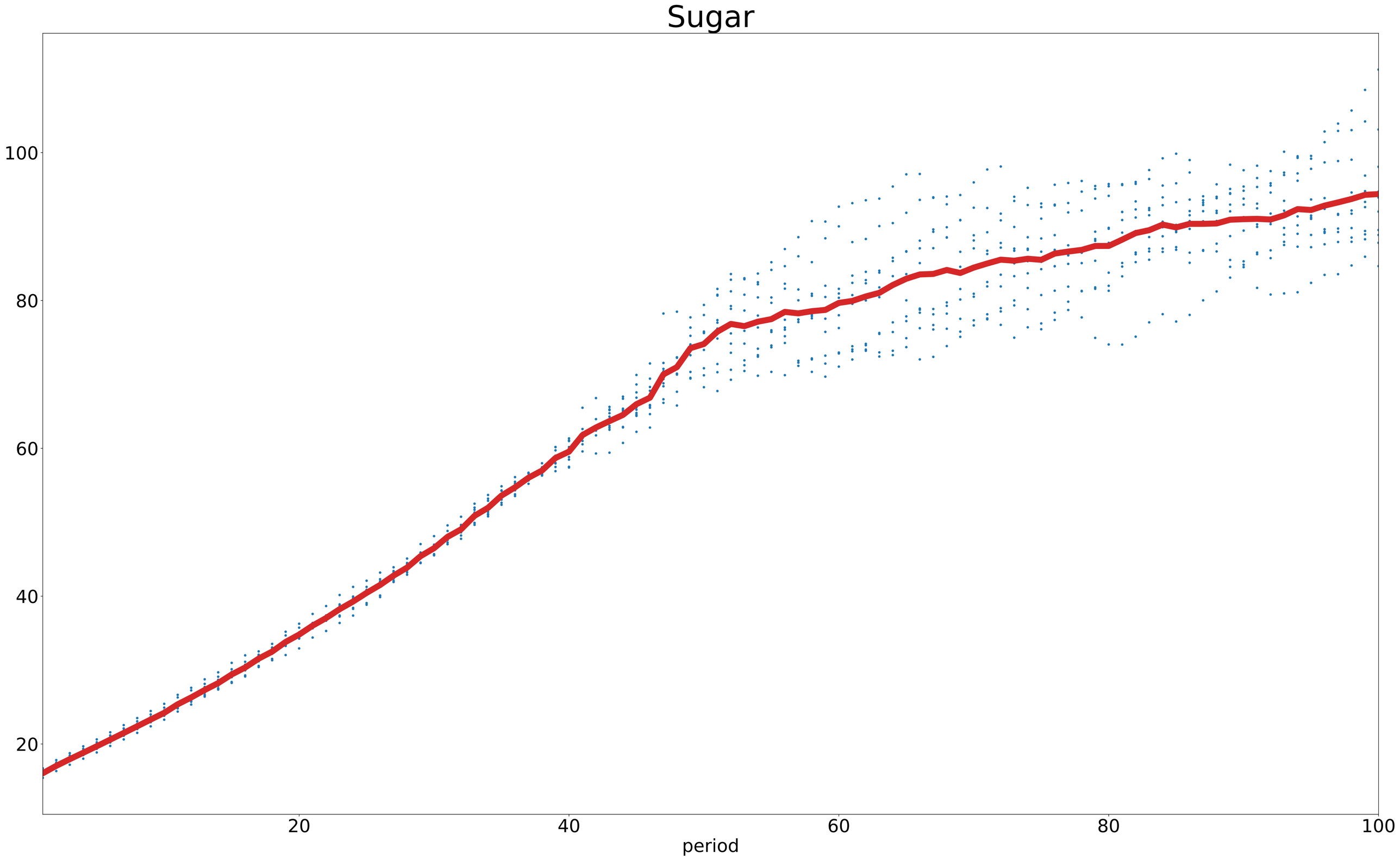
4×10^1

3×10^1

2×10^1

0 50 100 150 200 250 300 350

Cumulative Exchanges


Sugar
100
80
60
40
20
20
40
60
80
100
period

Sugar

100
80
60
40
20

10^0
10^1
10^2

period

Sugar

10^2

6×10^1

4×10^1

3×10^1

2×10^1

10^0 10^1 10^2

period

Sugar

10^2

6×10^1

4×10^1

3×10^1

2×10^1

20

40

60

80

100

period

Sugar

100
80
60
40
20

500
510
520
530
540
550
560

Number of Generations

Sugar

100
80
60
40
20

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Sugar

10^2

6×10^1

4×10^1

3×10^1

2×10^1

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Sugar

10^2

6×10^1

4×10^1

3×10^1

2×10^1

500 510 520 530 540 550 560

Number of Generations

Sugar

100
80
60
40
20

0
50
100
150
200
250
300
350

Cumulative Exchanges

Sugar

100
80
60
40
20

10^1
10^2

Cumulative Exchanges

Sugar

10^2

6×10^1

4×10^1

3×10^1

2×10^1

10^1

10^2

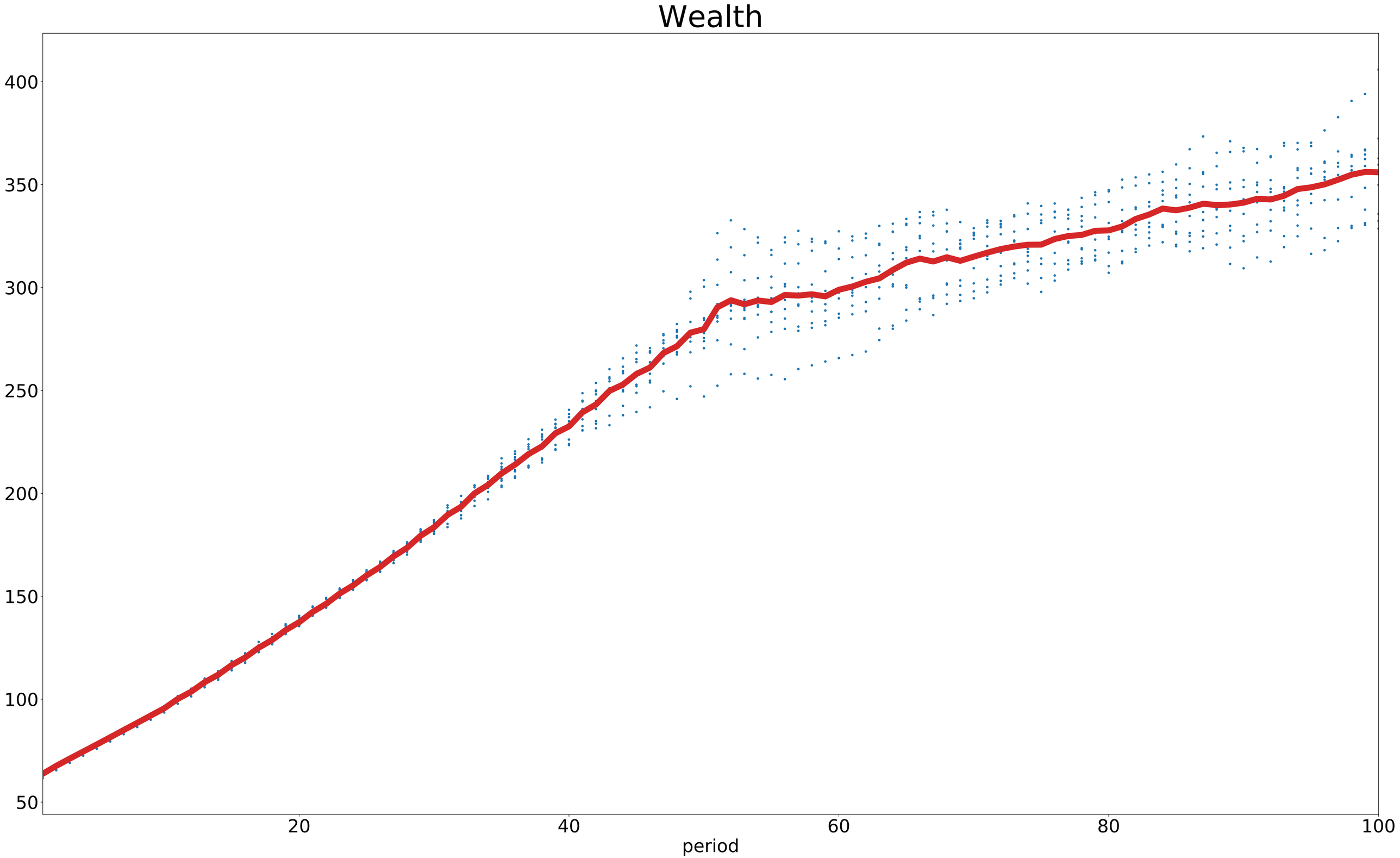
Cumulative Exchanges

Sugar

10^2
6×10^1
4×10^1
3×10^1
2×10^1

0
50
100
150
200
250
300
350

Cumulative Exchanges

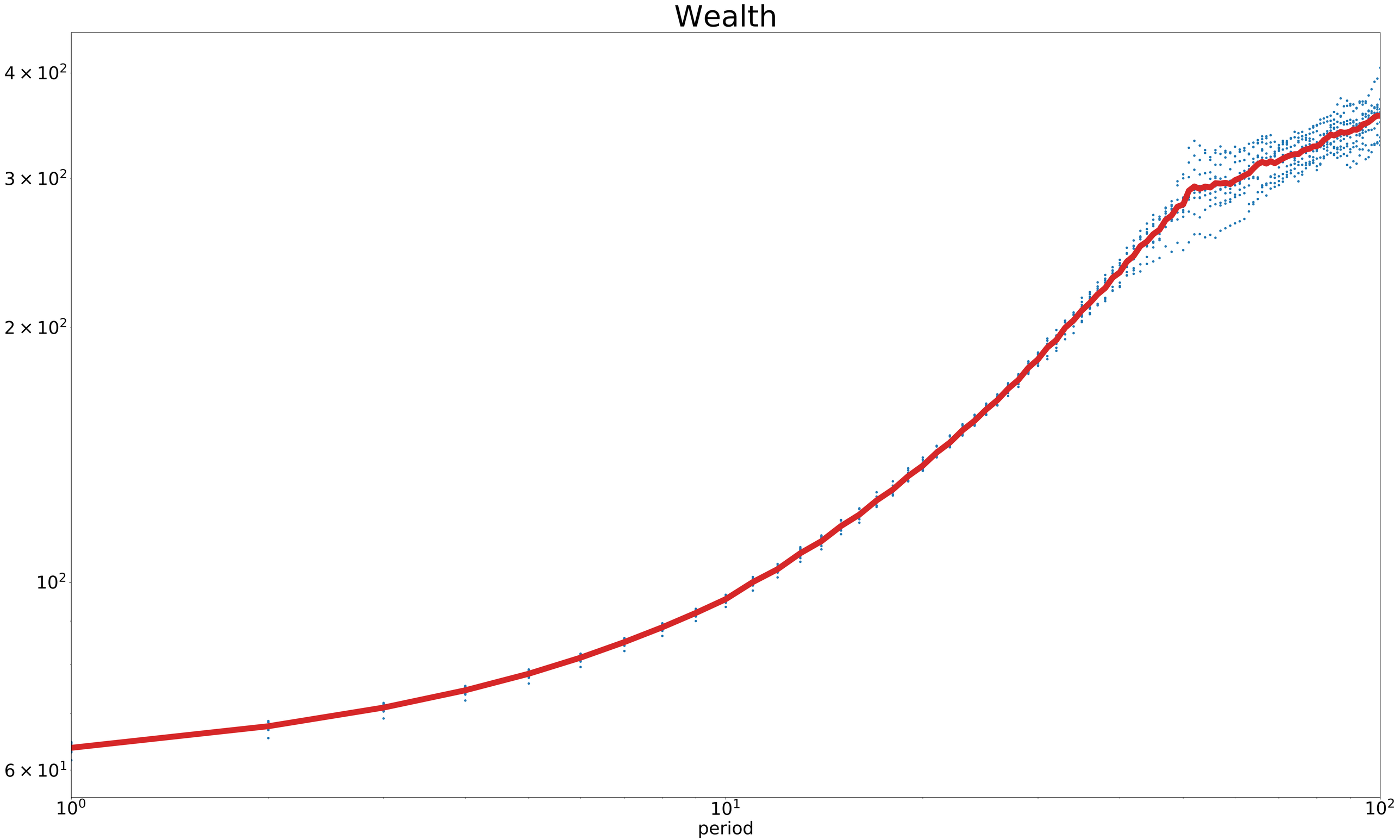

Wealth
400
350
300
250
200
150
100
50
20
40
60
80
100
period

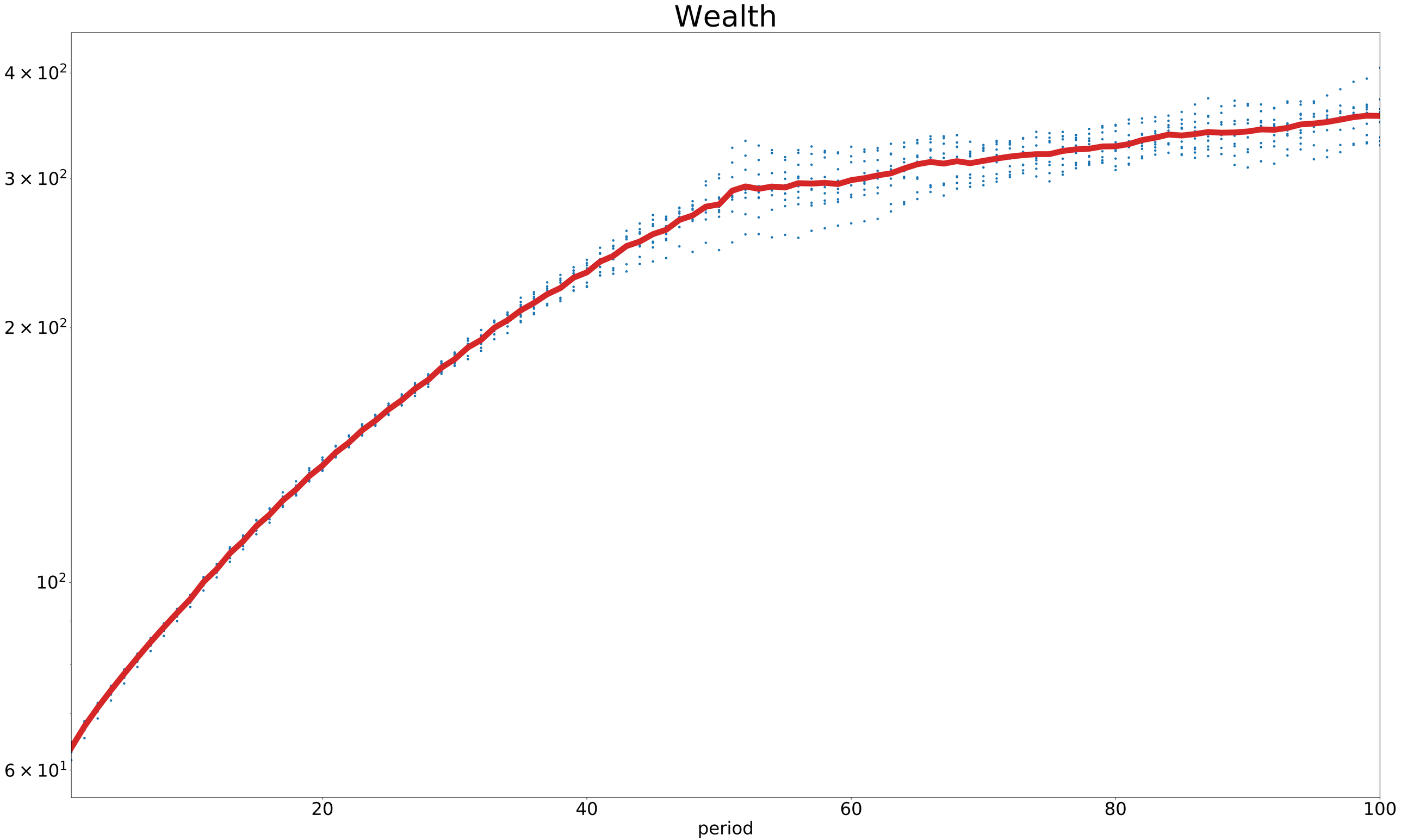
Wealth

400
350
300
250
200
150
100
50

10^0
10^1
10^2

period


Wealth
4×10^2
3×10^2
2×10^2
10^2
6×10^1
10^0
10^1
10^2
period


Wealth
4×10^2
3×10^2
2×10^2
10^2
6×10^1
20
40
60
80
100
period

Wealth

400
350
300
250
200
150
100
50

500
510
520
530
540
550
560

Number of Generations

Wealth

400
350
300
250
200
150
100
50

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Wealth

4×10^2
3×10^2
2×10^2
10^2
6×10^1

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Wealth

4×10^2

3×10^2

2×10^2

10^2

6×10^1

500 510 520 530 540 550 560

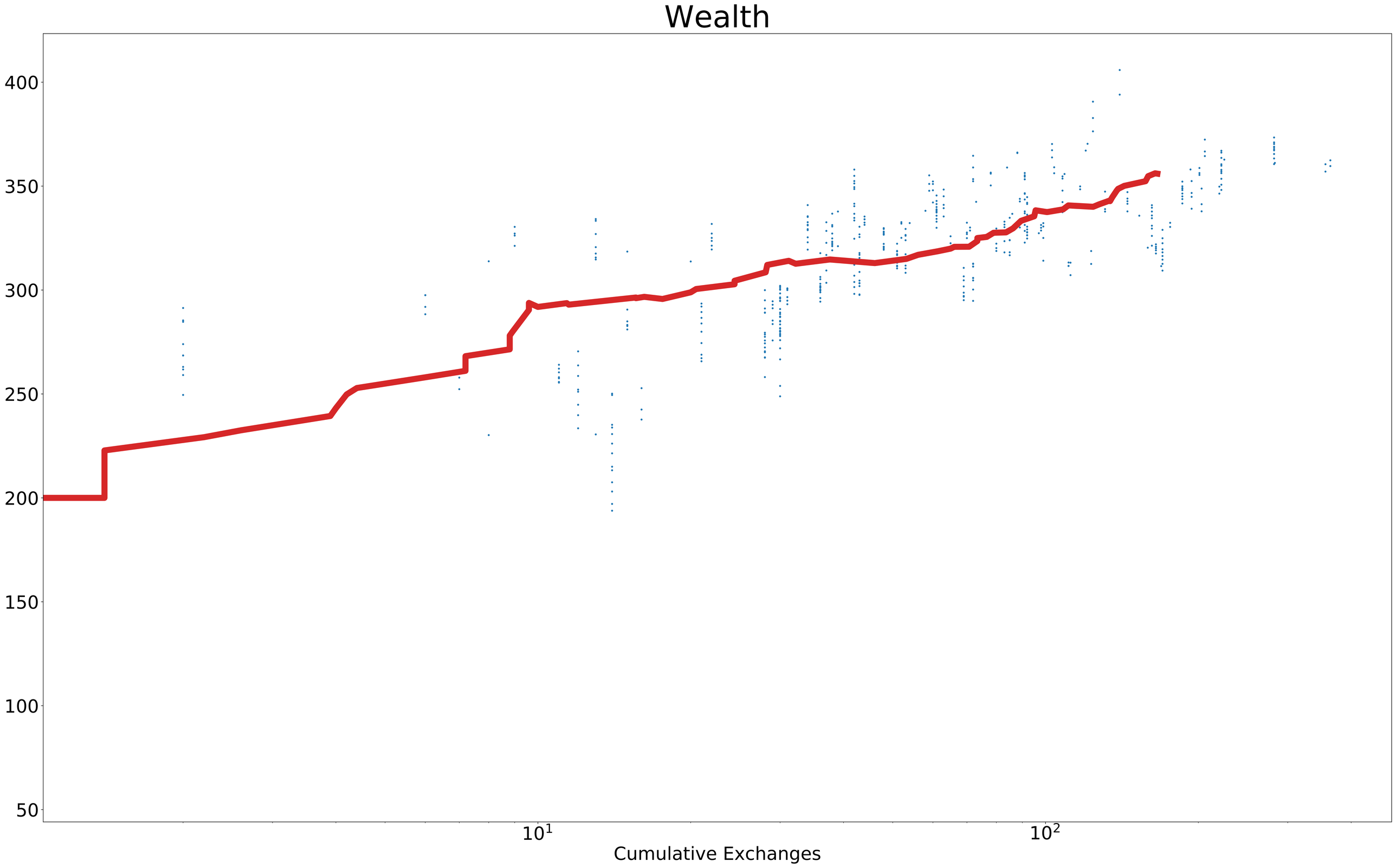
Number of Generations

Wealth

400
350
300
250
200
150
100
50

0
50
100
150
200
250
300
350

Cumulative Exchanges


Wealth
400
350
300
250
200
150
100
50
10^1
10^2
Cumulative Exchanges

Wealth

4×10^2

3×10^2

2×10^2

10^2

6×10^1

10^1

10^2

Cumulative Exchanges

Wealth

4×10^2
3×10^2
2×10^2
10^2
6×10^1

0
50
100
150
200
250
300
350

Cumulative Exchanges

Basic

1.00
0.95
0.90
0.85
0.80

20
40
60
80
100

period

Basic

1.00
0.95
0.90
0.85
0.80

10^0 10^1 10^2

period

Basic

10^{0}

9×10^{-1}

8×10^{-1}

10^{0} 10^{1} 10^{2}

period

Basic

10^{0}

9×10^{-1}

8×10^{-1}

20

40

60

80

100

period

Basic

1.00
0.95
0.90
0.85
0.80

500
510
520
530
540
550
560

Number of Generations

Basic

1.00
0.95
0.90
0.85
0.80

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Basic

10^{0}

9×10^{-1}

8×10^{-1}

5×10^{2} 5.1×10^{2} 5.2×10^{2} 5.3×10^{2} 5.4×10^{2} 5.5×10^{2} 5.6×10^{2}

Number of Generations

Basic

10^{0}

9×10^{-1}

8×10^{-1}

500 510 520 530 540 550 560

Number of Generations

Basic

1.00
0.95
0.90
0.85
0.80

0
50
100
150
200
250
300
350

Cumulative Exchanges

Basic

1.00
0.95
0.90
0.85
0.80

10^1
10^2

Cumulative Exchanges

Basic

10^{0}

9×10^{-1}

8×10^{-1}

10^{1}

10^{2}

Cumulative Exchanges

Basic

10^{0}

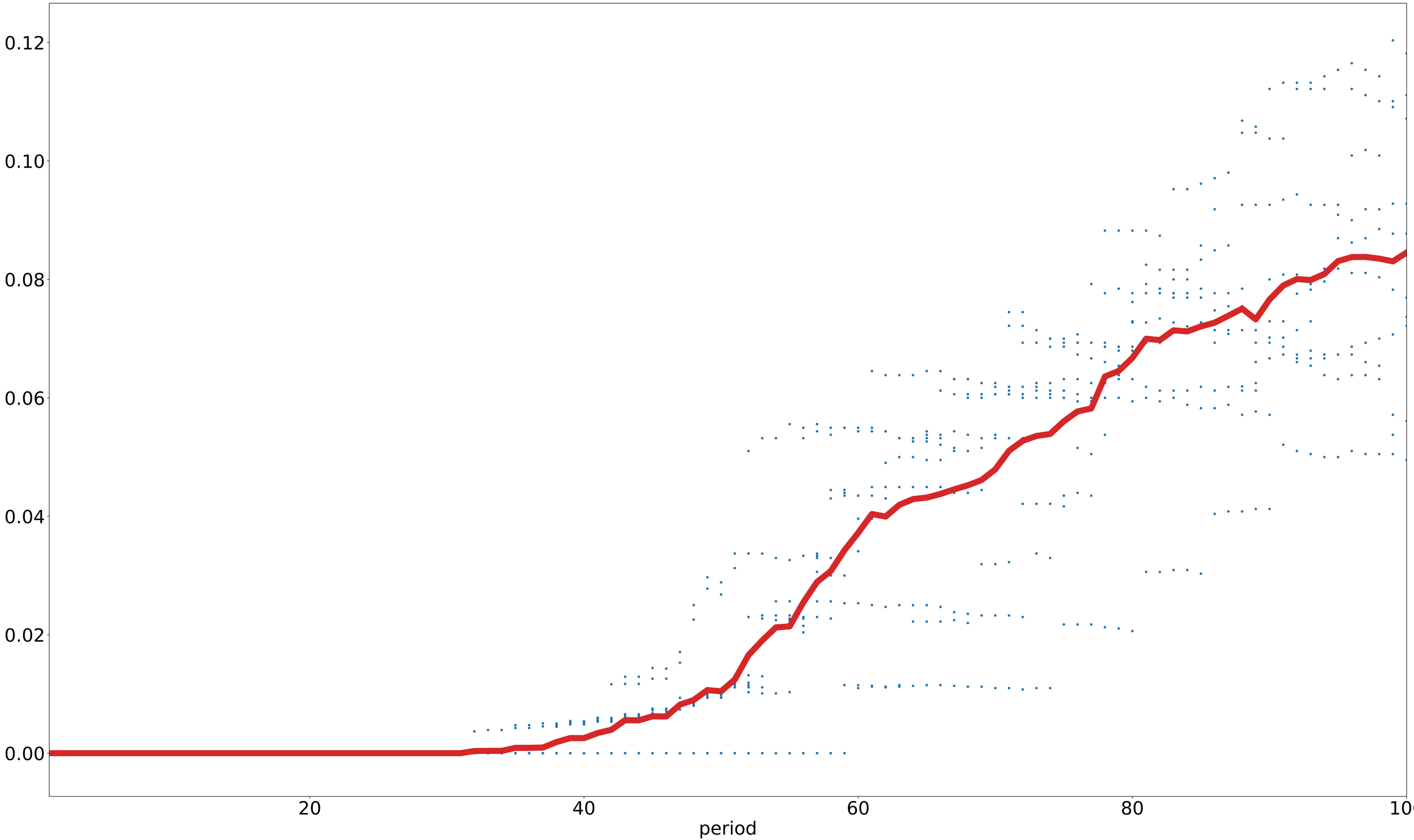
9×10^{-1}

8×10^{-1}

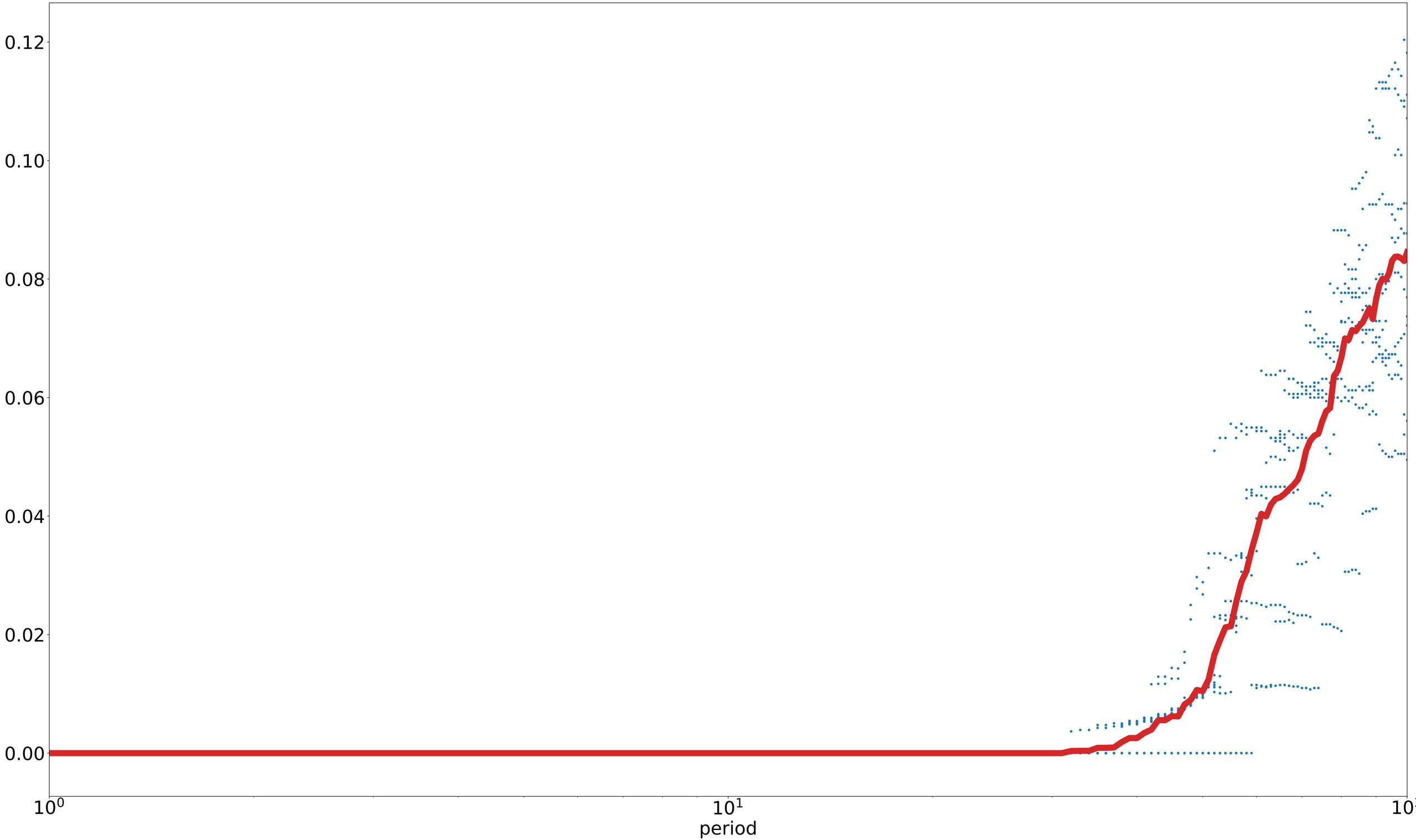
0 50 100 150 200 250 300 350

Cumulative Exchanges

Switcher



Switcher



Switcher

10^{-1}

10^{-2}

10^{-3}

10^{0} 10^{1} 10^{2}

period

Switcher

10^{-1}

10^{-2}

10^{-3}

20

40

60

80

100

period

Switcher

0.12
0.10
0.08
0.06
0.04
0.02
0.00

500
510
520
530
540
550
560

Number of Generations

Switcher

0.12
0.10
0.08
0.06
0.04
0.02
0.00

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Switcher

10^{-1}

10^{-2}

10^{-3}

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Switcher

10^{-1}

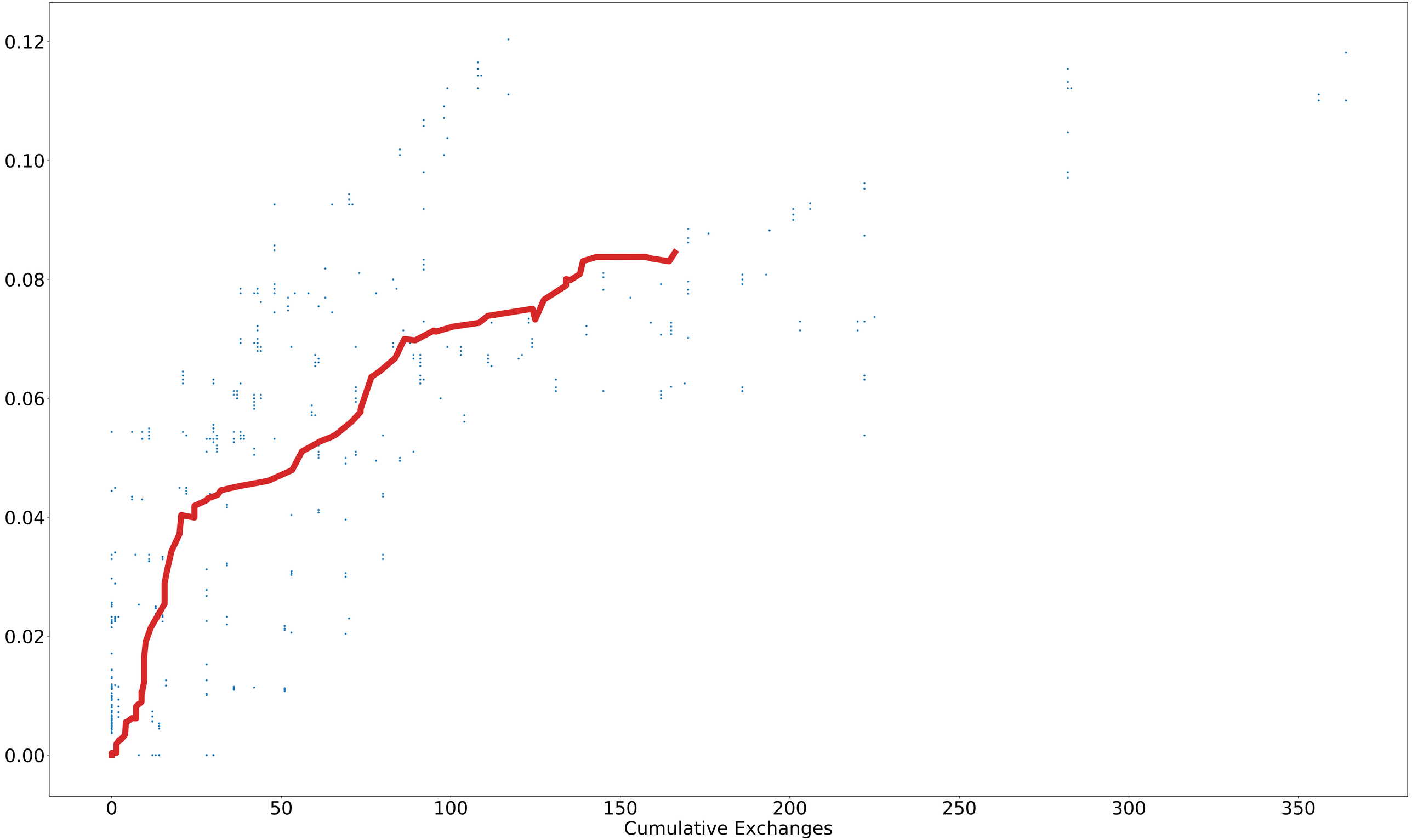
10^{-2}

10^{-3}

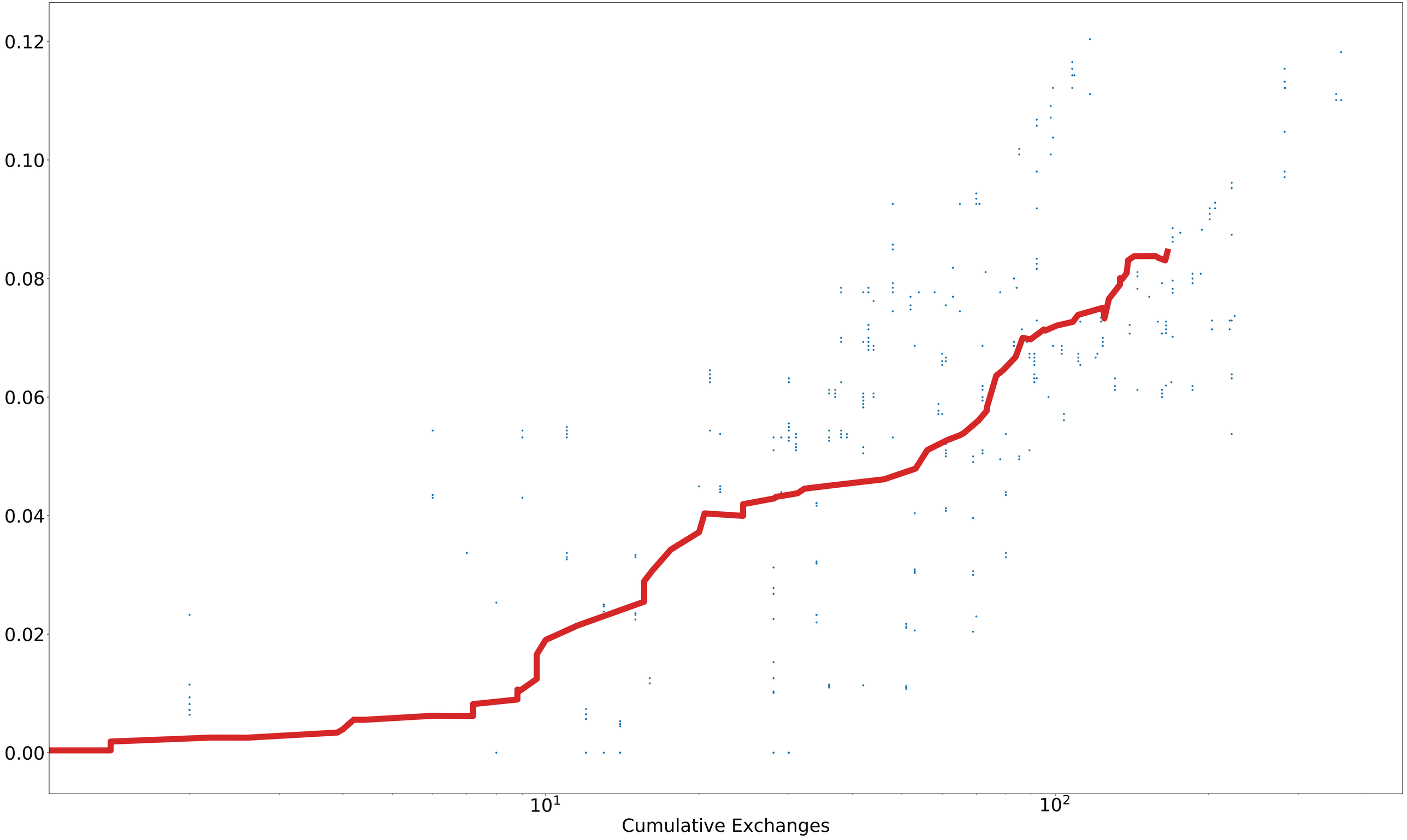
500 510 520 530 540 550 560

Number of Generations

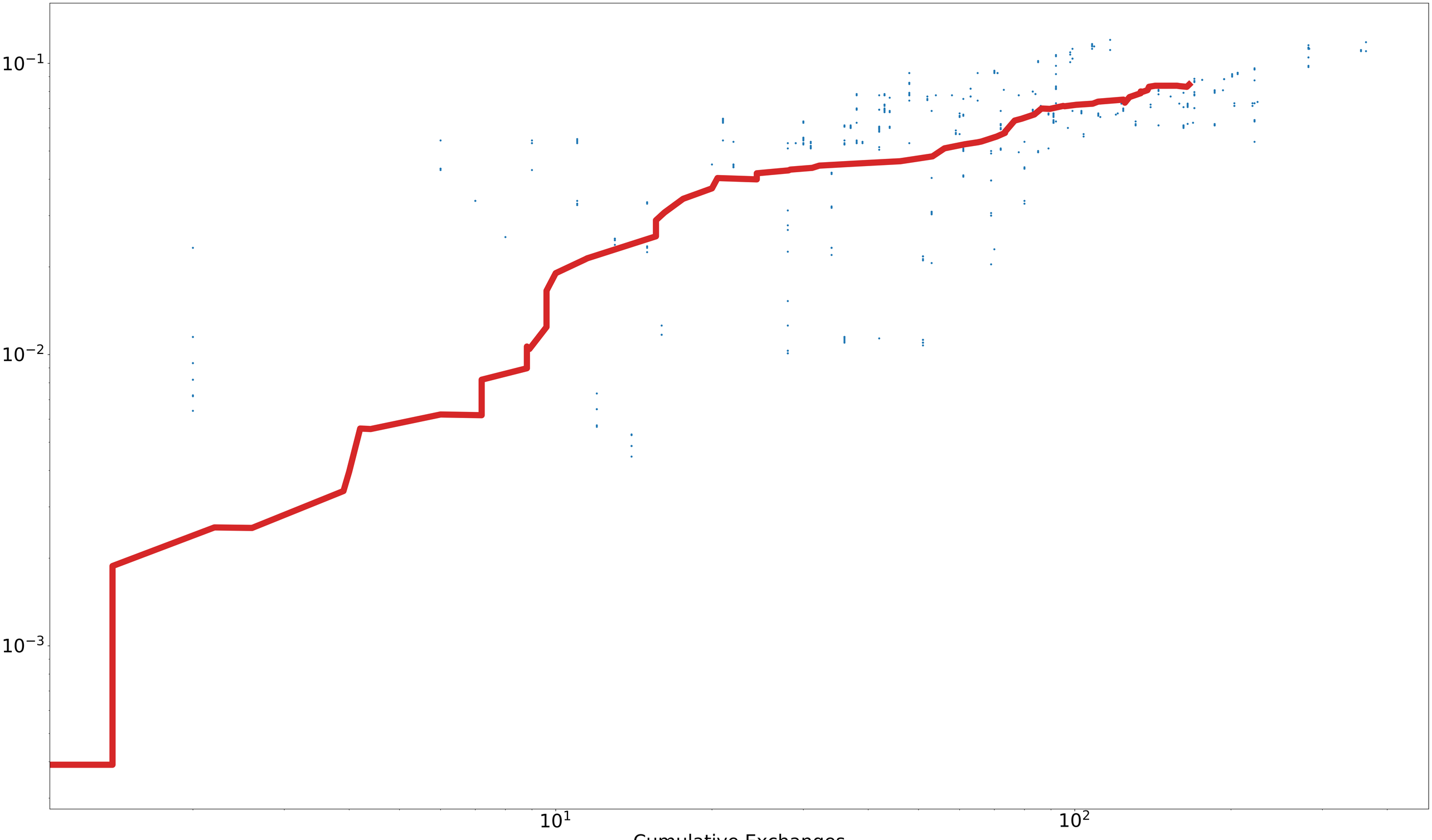
Switcher


0.12
0.10
0.08
0.06
0.04
0.02
0.00
0
50
100
150
200
250
300
350
Cumulative Exchanges

Switcher



Switcher



Switcher

10^{-1}

10^{-2}

10^{-3}

0 50 100 150 200 250 300 350

Cumulative Exchanges

Herder

0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

20
40
60
80
100

period

Herder

0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

10^0 10^1 10^2

period

Herder

10^{-1}

10^{-2}

10^{-3}

10^{0} 10^{1} 10^{2}

period

Herder

10^{-1}

10^{-2}

10^{-3}

20

40

60

80

100

period

Herder

0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

500
510
520
530
540
550
560

Number of Generations

Herder

0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Herder

10^{-1}

10^{-2}

10^{-3}

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Herder

10^{-1}

10^{-2}

10^{-3}

500 510 520 530 540 550 560

Number of Generations

Herder

0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

0
50
100
150
200
250
300
350

Cumulative Exchanges

Herder

0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

10^1
10^2

Cumulative Exchanges

Herder

10^{-1}

10^{-2}

10^{-3}

10^{1}

10^{2}

Cumulative Exchanges

Herder

10^{-1}

10^{-2}

10^{-3}

0 50 100 150 200 250 300 350

Cumulative Exchanges

Arbitrageur

0.12
0.10
0.08
0.06
0.04
0.02
0.00

20
40
60
80
100

period

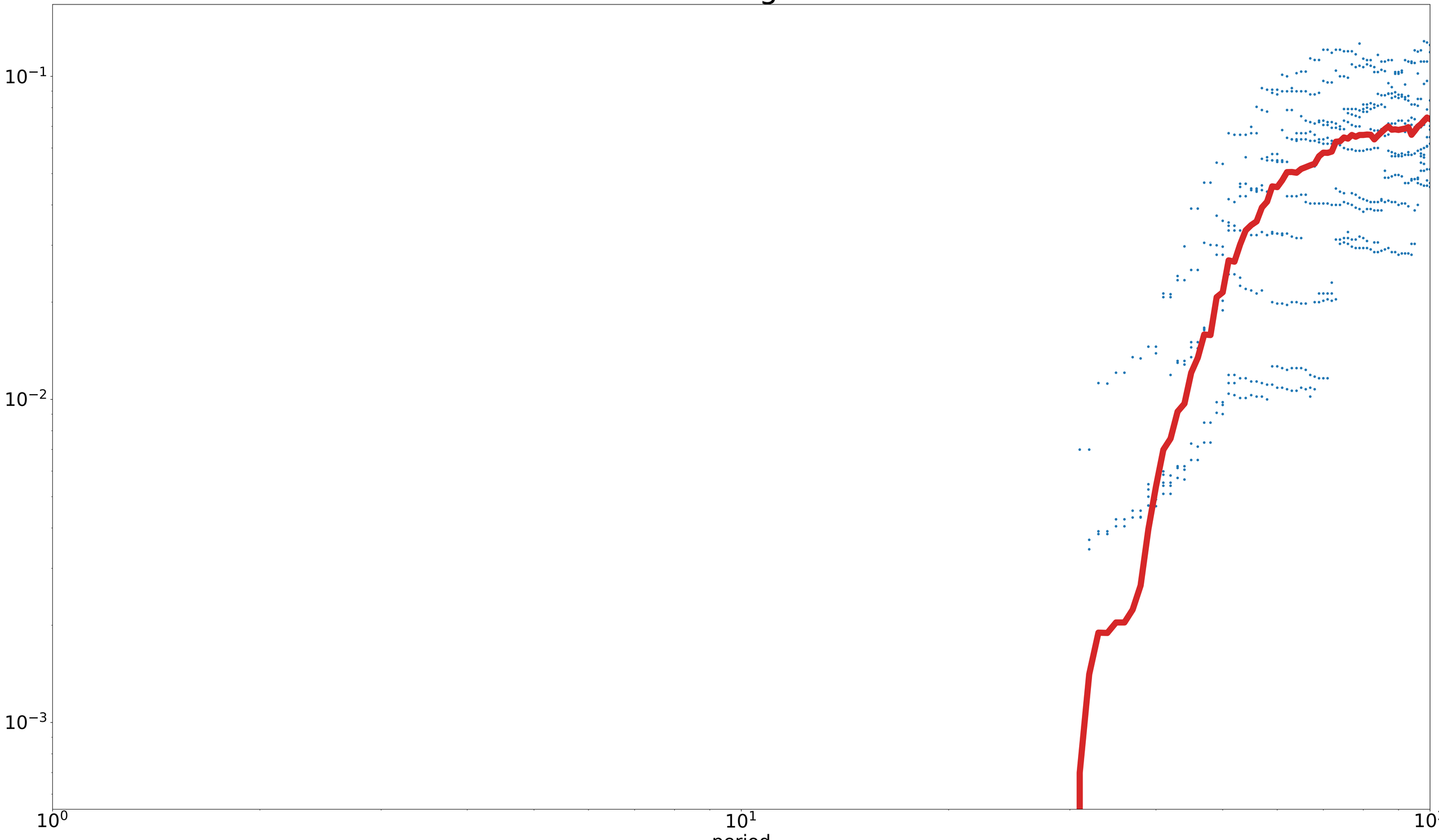
Arbitrageur

0.12
0.10
0.08
0.06
0.04
0.02
0.00

10^0 10^1 10^2

period

Arbitrageur



Arbitrageur

10^{-1}

10^{-2}

10^{-3}

20

40

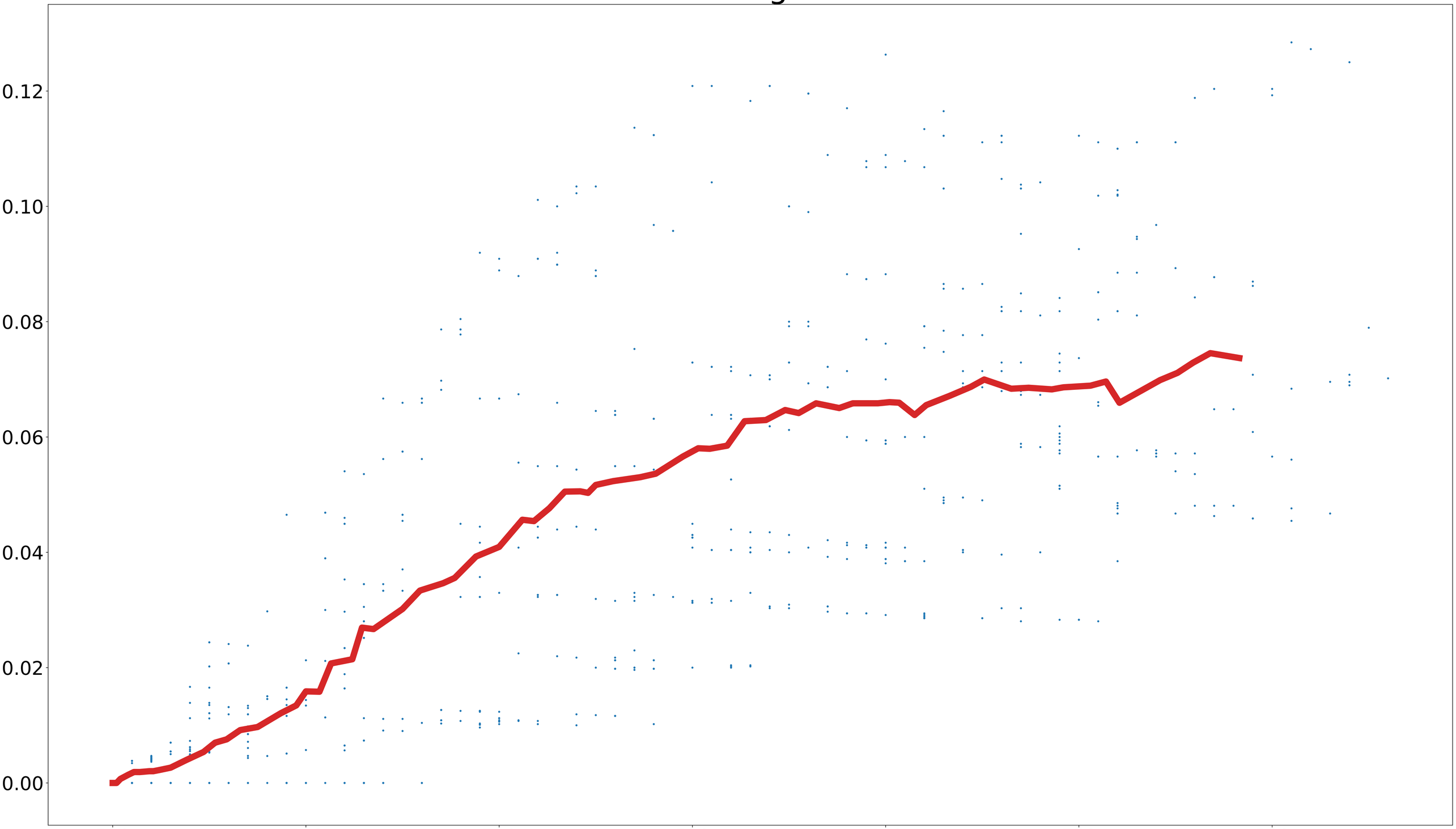
60

80

100

period

Arbitrageur



Arbitrageur

0.12
0.10
0.08
0.06
0.04
0.02
0.00

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Arbitrageur

10^{-1}

10^{-2}

10^{-3}

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Arbitrageur

10^{-1}

10^{-2}

10^{-3}

500 510 520 530 540 550 560

Number of Generations

Arbitrageur

0.12
0.10
0.08
0.06
0.04
0.02
0.00

0
50
100
150
200
250
300
350

Cumulative Exchanges

Arbitrageur

0.12
0.10
0.08
0.06
0.04
0.02
0.00

10^1
10^2

Cumulative Exchanges

Arbitrageur

10^{-1}

10^{-2}

10^{-3}

10^{1}

10^{2}

Cumulative Exchanges

Arbitrageur

10^{-1}

10^{-2}

10^{-3}

0 50 100 150 200 250 300 350

Cumulative Exchanges

Population

500
400
300
200
100

20
40
60
80
100

period

Population

500
400
300
200
100

10^0
10^1
10^2

period

Population

4×10^2

3×10^2

2×10^2

10^2

10^0 10^1 10^2

period

Population

4×10^2

3×10^2

2×10^2

10^2

20

40

60

80

100

period

Population

500
400
300
200
100

500
510
520
530
540
550
560

Number of Generations

Population

500
400
300
200
100

5×10^2
5.1×10^2
5.2×10^2
5.3×10^2
5.4×10^2
5.5×10^2
5.6×10^2

Number of Generations

Population

4×10^2

3×10^2

2×10^2

10^2

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Population

4×10^2

3×10^2

2×10^2

10^2

500 510 520 530 540 550 560

Number of Generations

Population

500
400
300
200
100

0
50
100
150
200
250
300
350

Cumulative Exchanges

Population

500
400
300
200
100

10^1
10^2

Cumulative Exchanges

Population

4×10^2

3×10^2

2×10^2

10^2

10^1

10^2

Cumulative Exchanges

Population

4×10^2

3×10^2

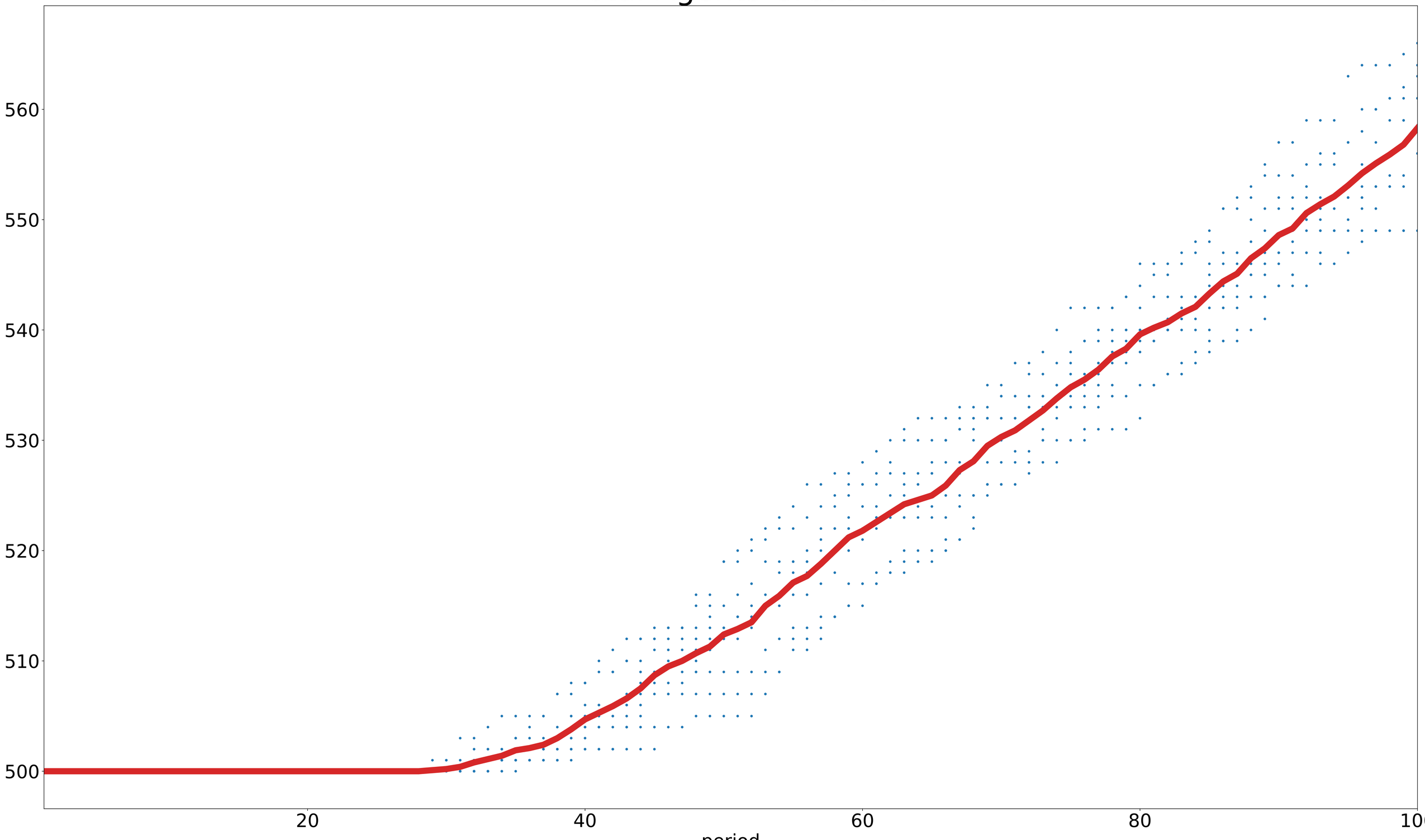
2×10^2

10^2

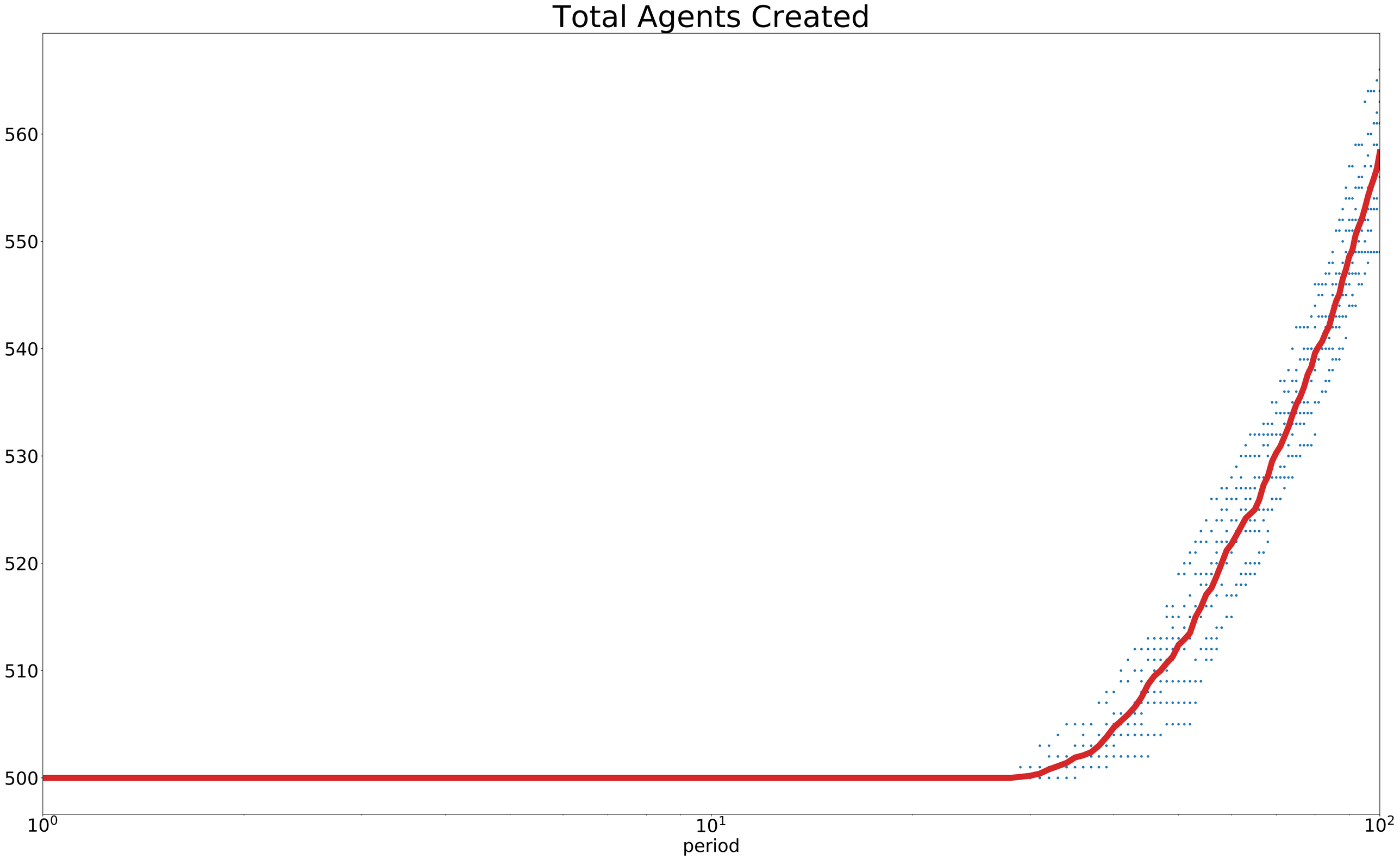
0 50 100 150 200 250 300 350

Cumulative Exchanges

Total Agents Created



Total Agents Created



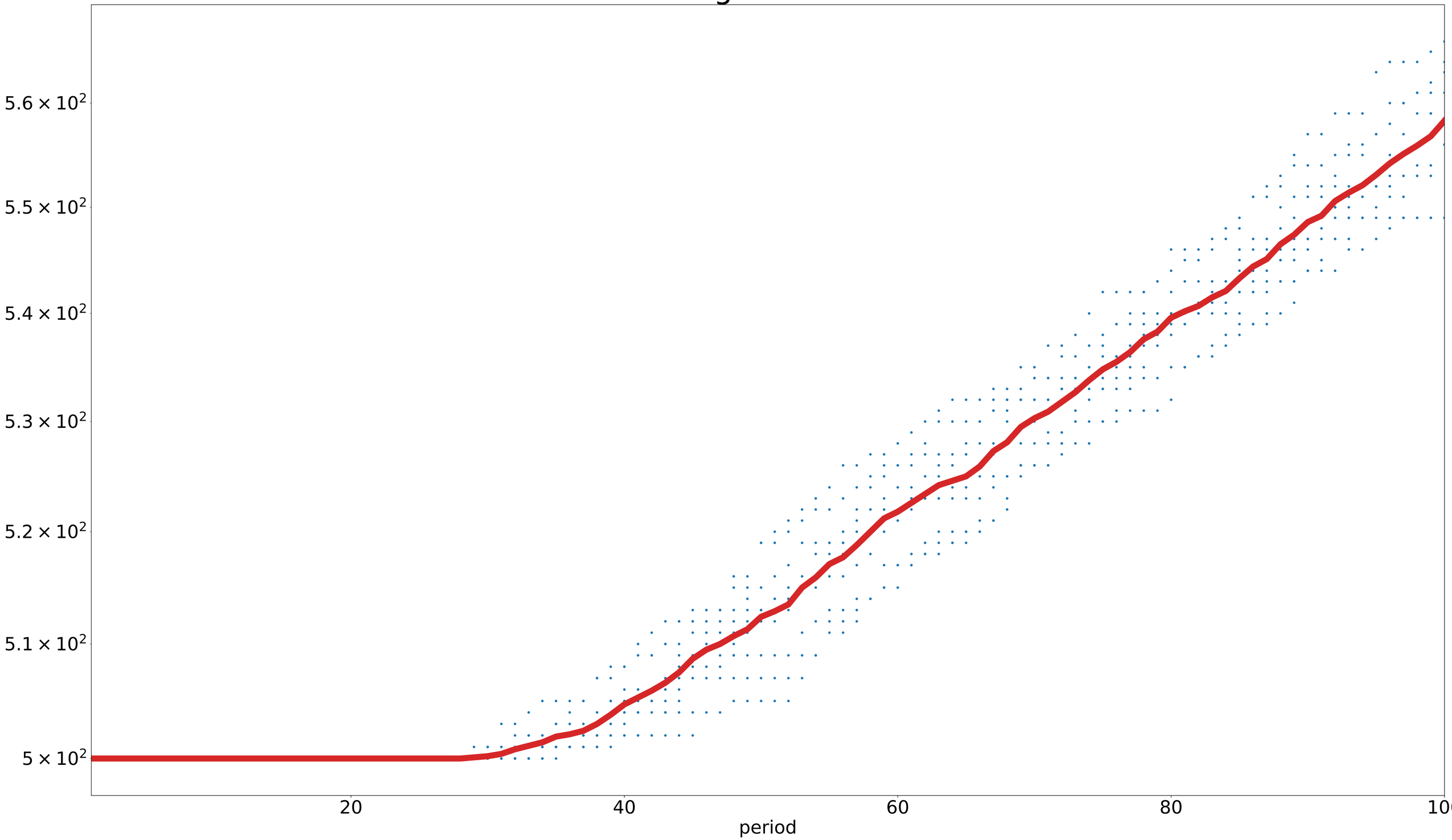
Total Agents Created

5.6×10^2
5.5×10^2
5.4×10^2
5.3×10^2
5.2×10^2
5.1×10^2
5×10^2

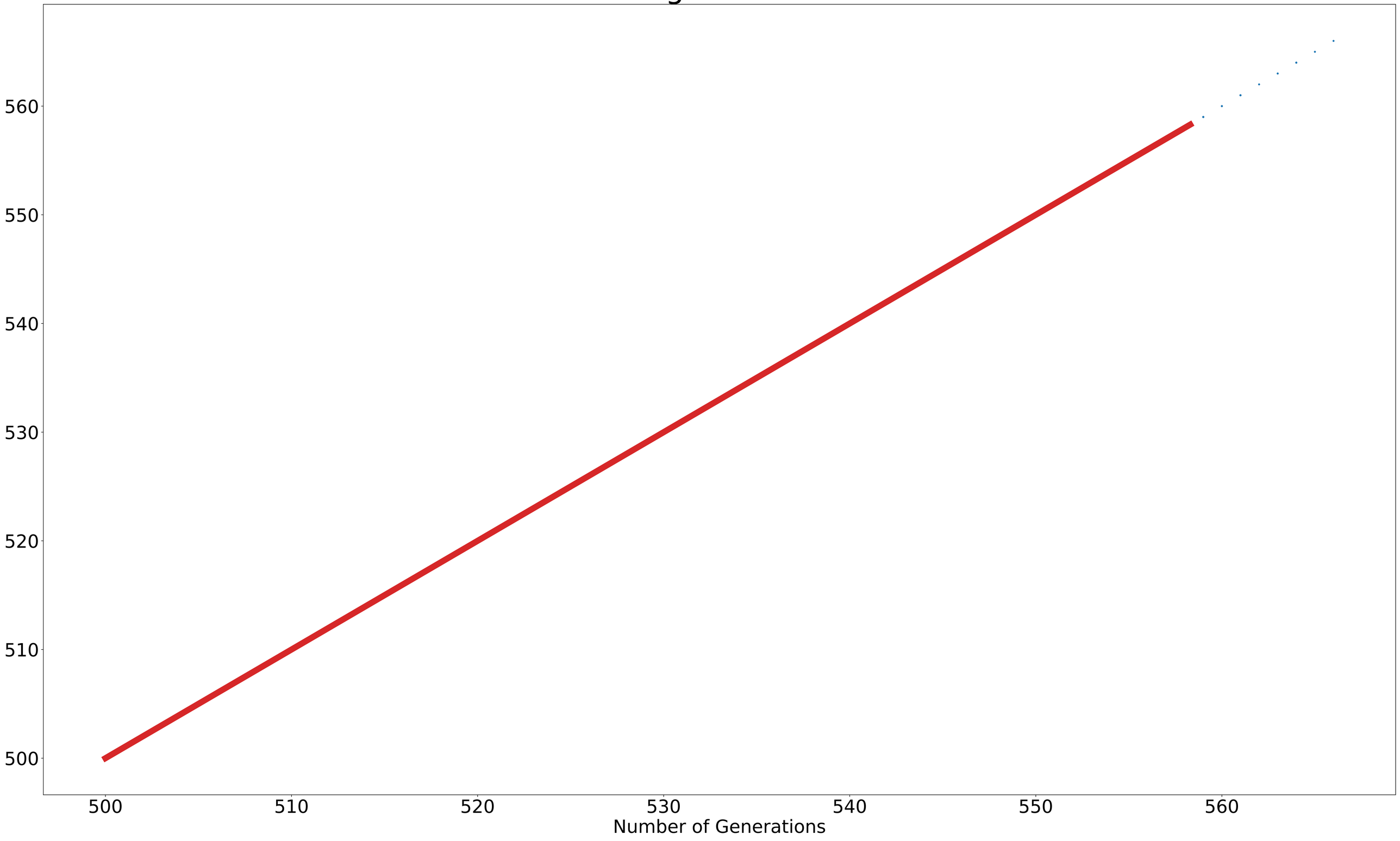
10^0 10^1 10^2

period

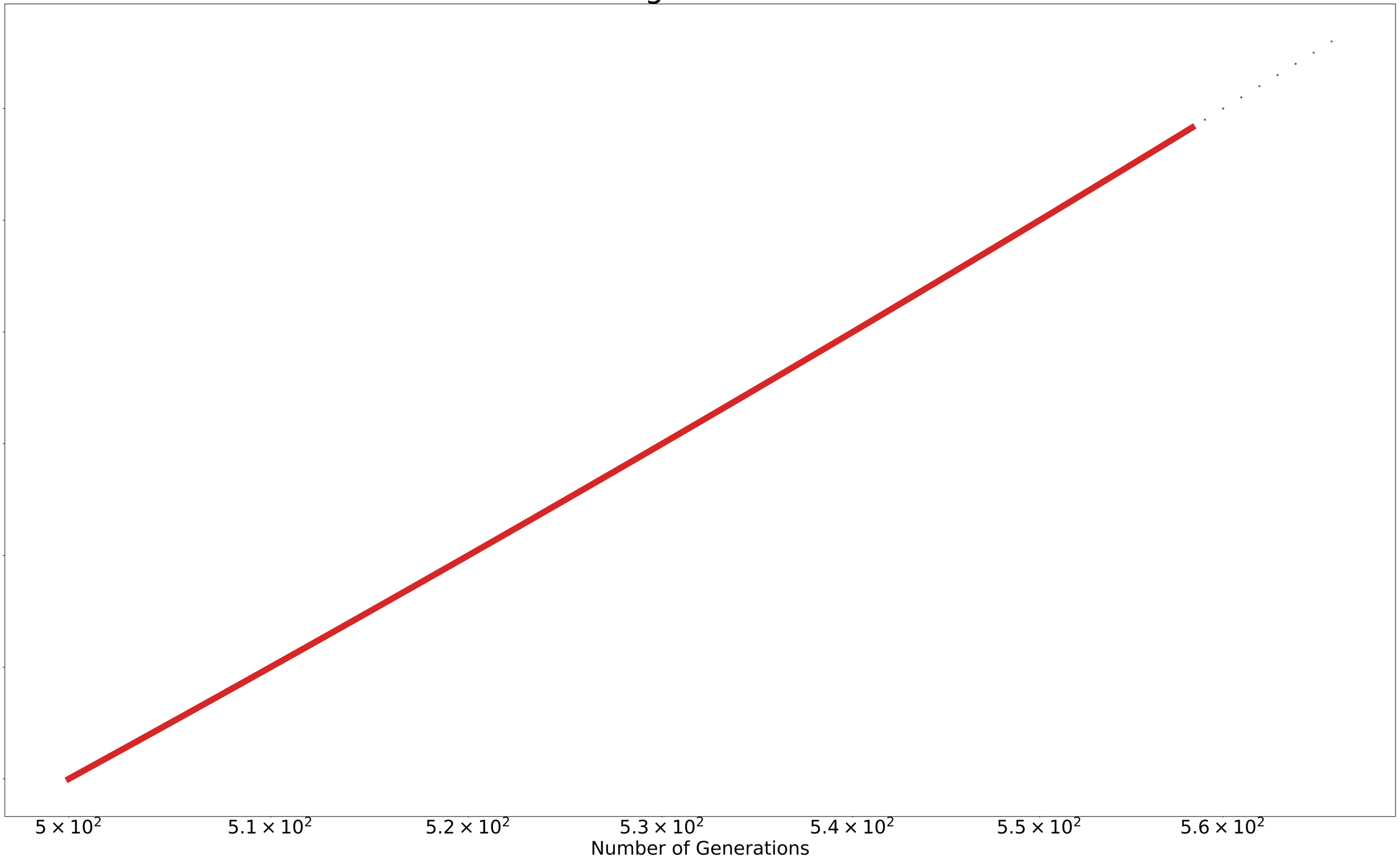
Total Agents Created



Total Agents Created



Total Agents Created



Total Agents Created

5.6×10^2
5.5×10^2
5.4×10^2
5.3×10^2
5.2×10^2
5.1×10^2
5×10^2

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

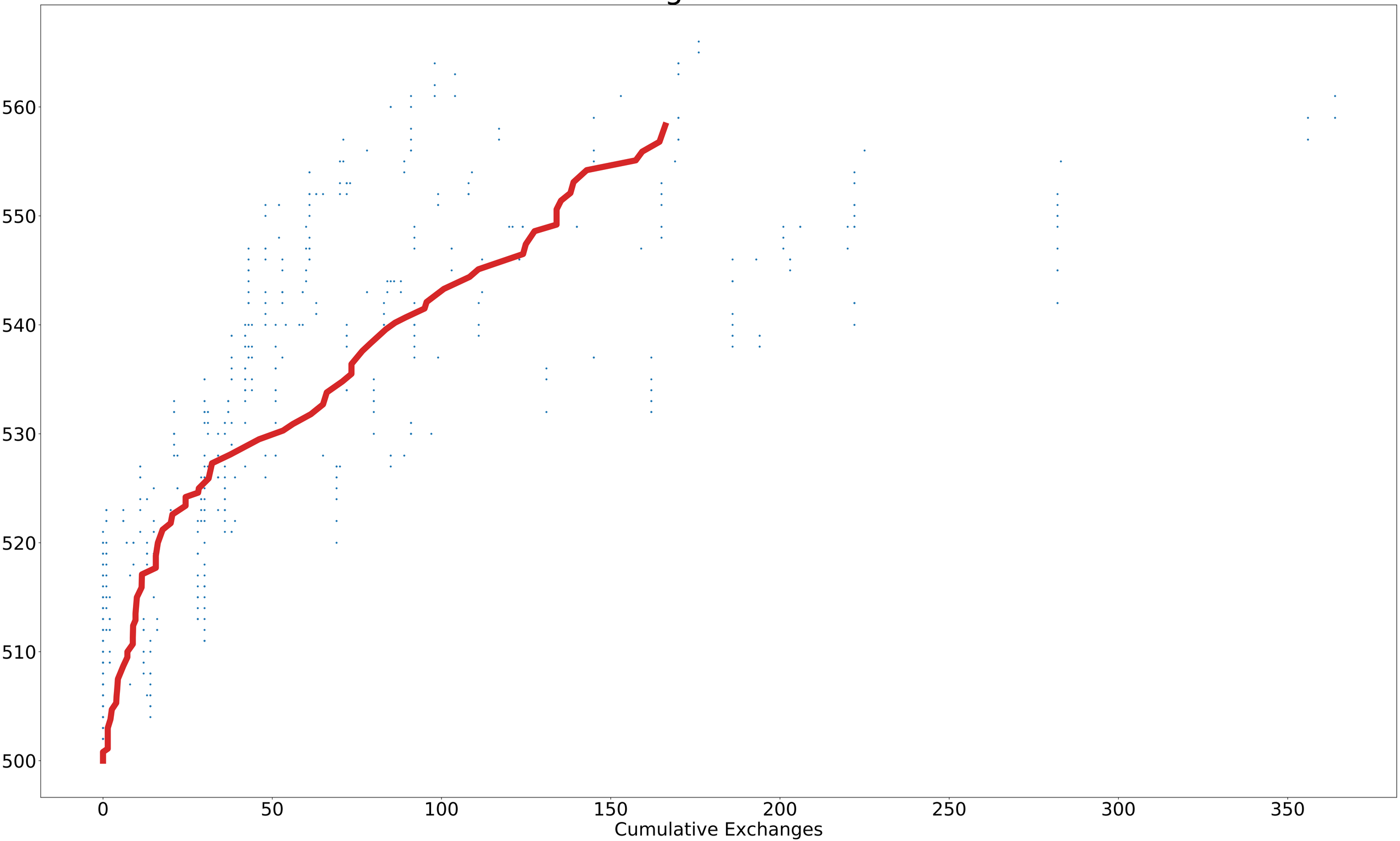
Total Agents Created

5.6×10^2
5.5×10^2
5.4×10^2
5.3×10^2
5.2×10^2
5.1×10^2
5×10^2

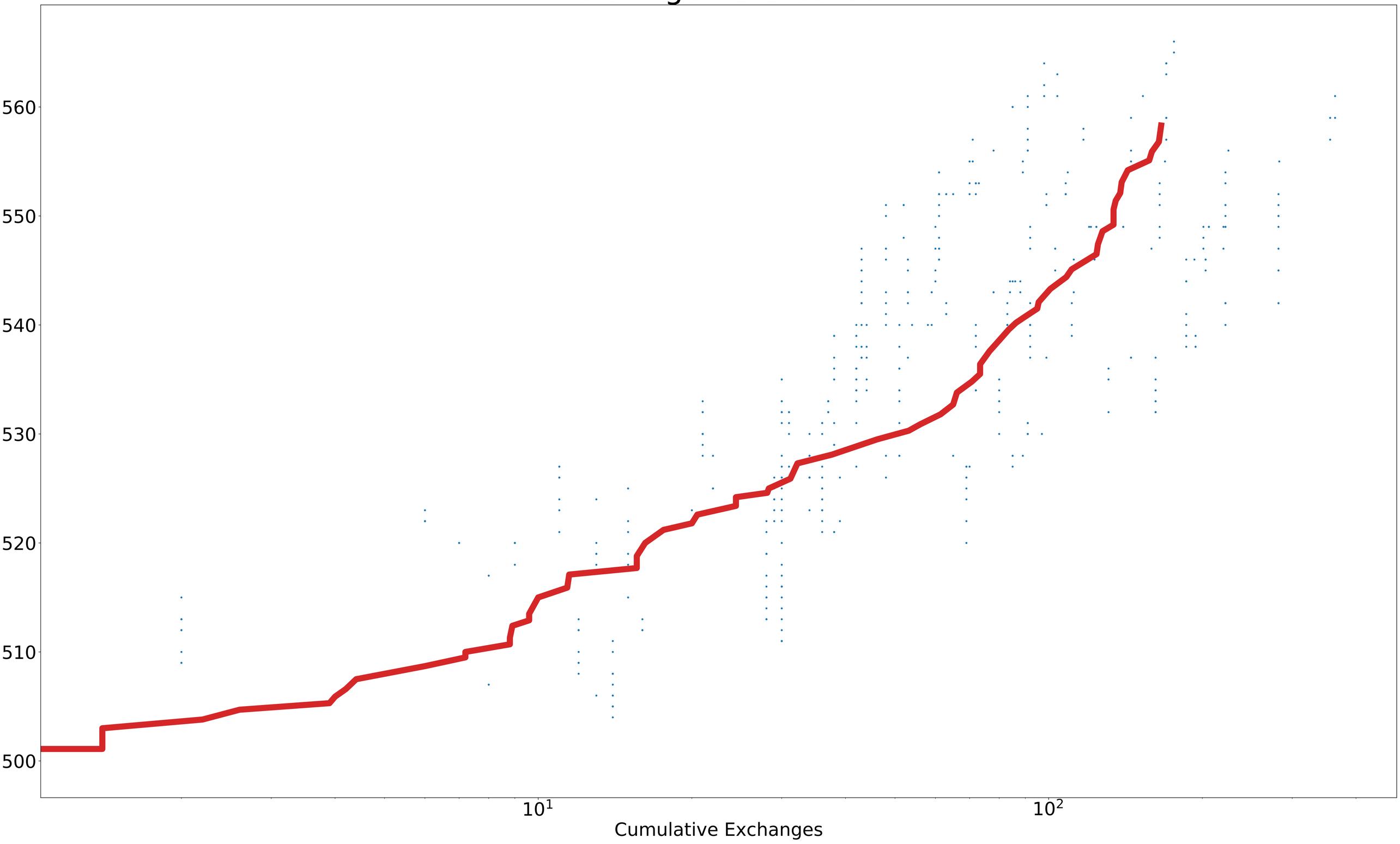
500 510 520 530 540 550 560

Number of Generations

Total Agents Created



Total Agents Created



Total Agents Created

5.6×10^2
5.5×10^2
5.4×10^2
5.3×10^2
5.2×10^2
5.1×10^2
5×10^2

10^1
10^2

Cumulative Exchanges

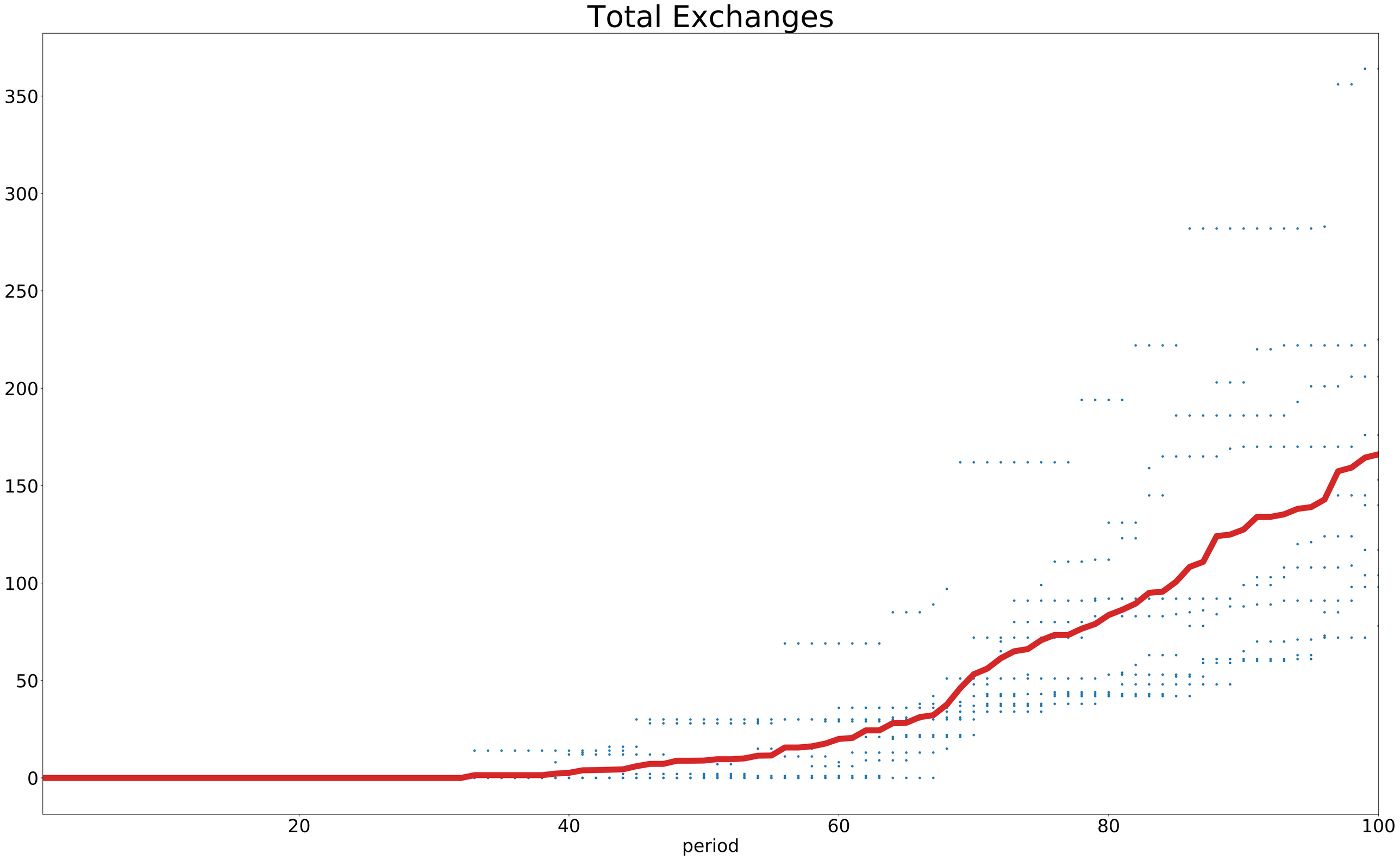
Total Agents Created

5.6×10^2
5.5×10^2
5.4×10^2
5.3×10^2
5.2×10^2
5.1×10^2
5×10^2

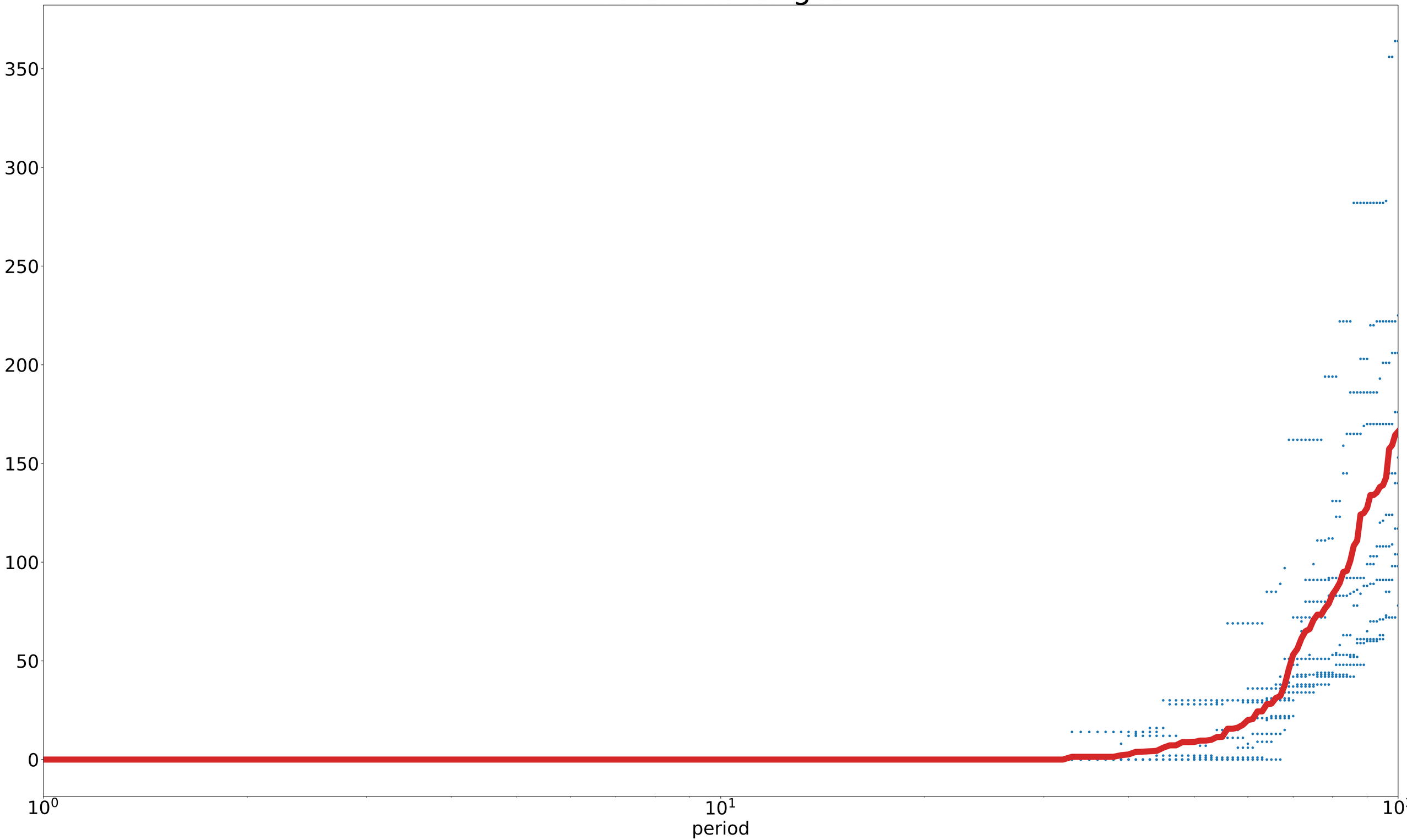
0
50
100
150
200
250
300
350

Cumulative Exchanges

Total Exchanges



Total Exchanges



Total Exchanges

10^2

10^1

10^0 10^1 10^2

period

Total Exchanges

10^2

10^1

20

40

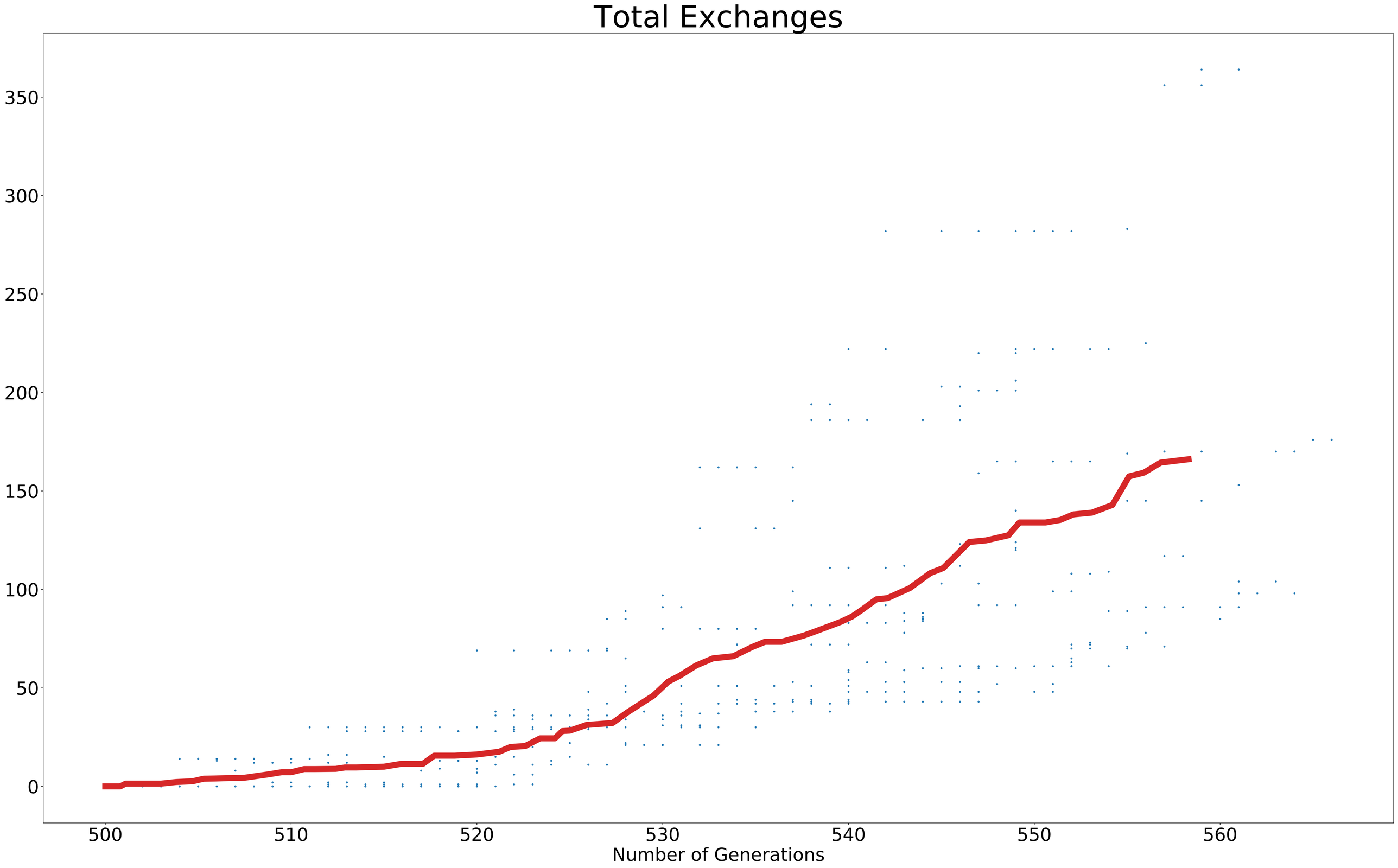
60

80

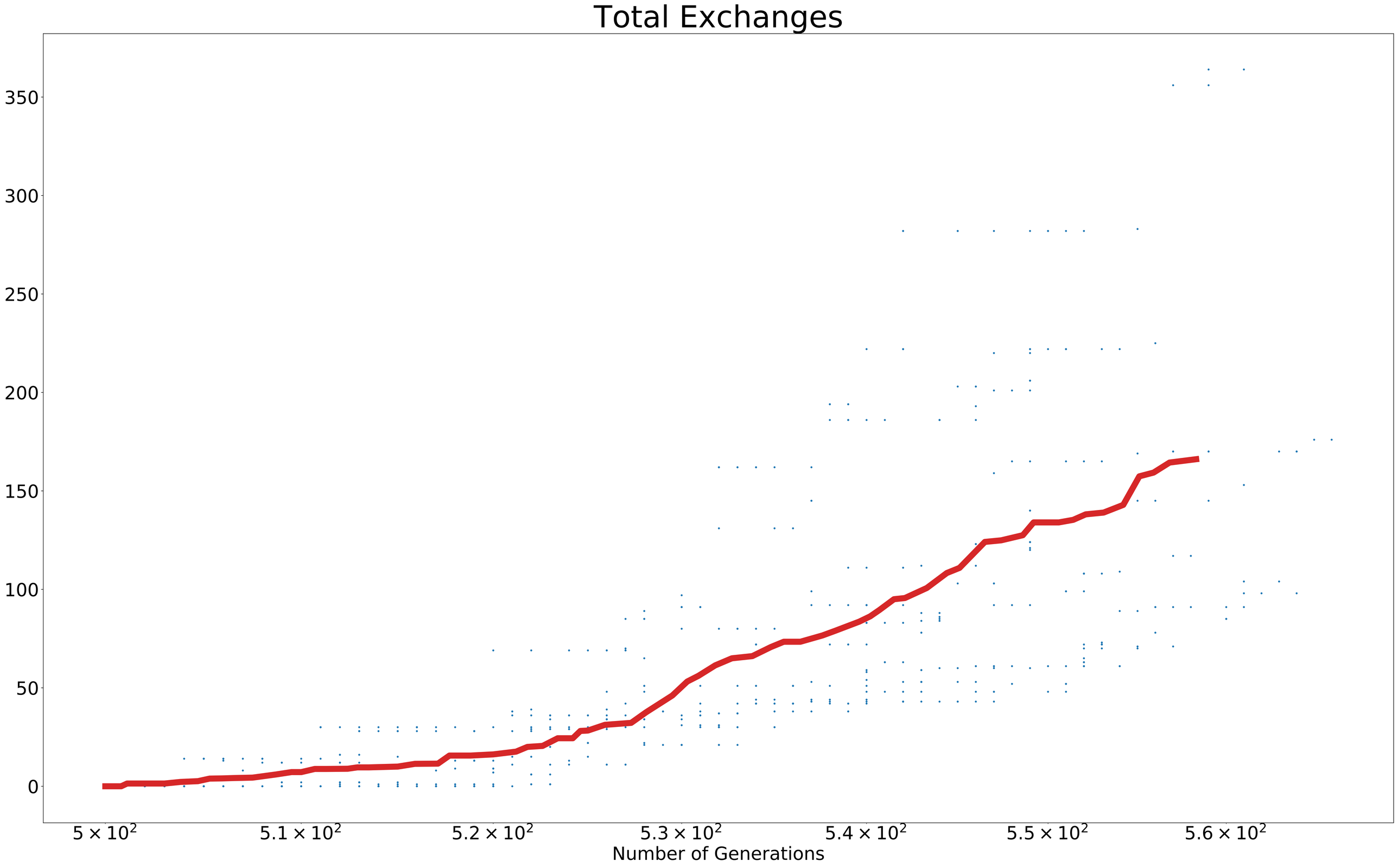
100

period

Total Exchanges



Total Exchanges



Total Exchanges

10^2

10^1

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Total Exchanges

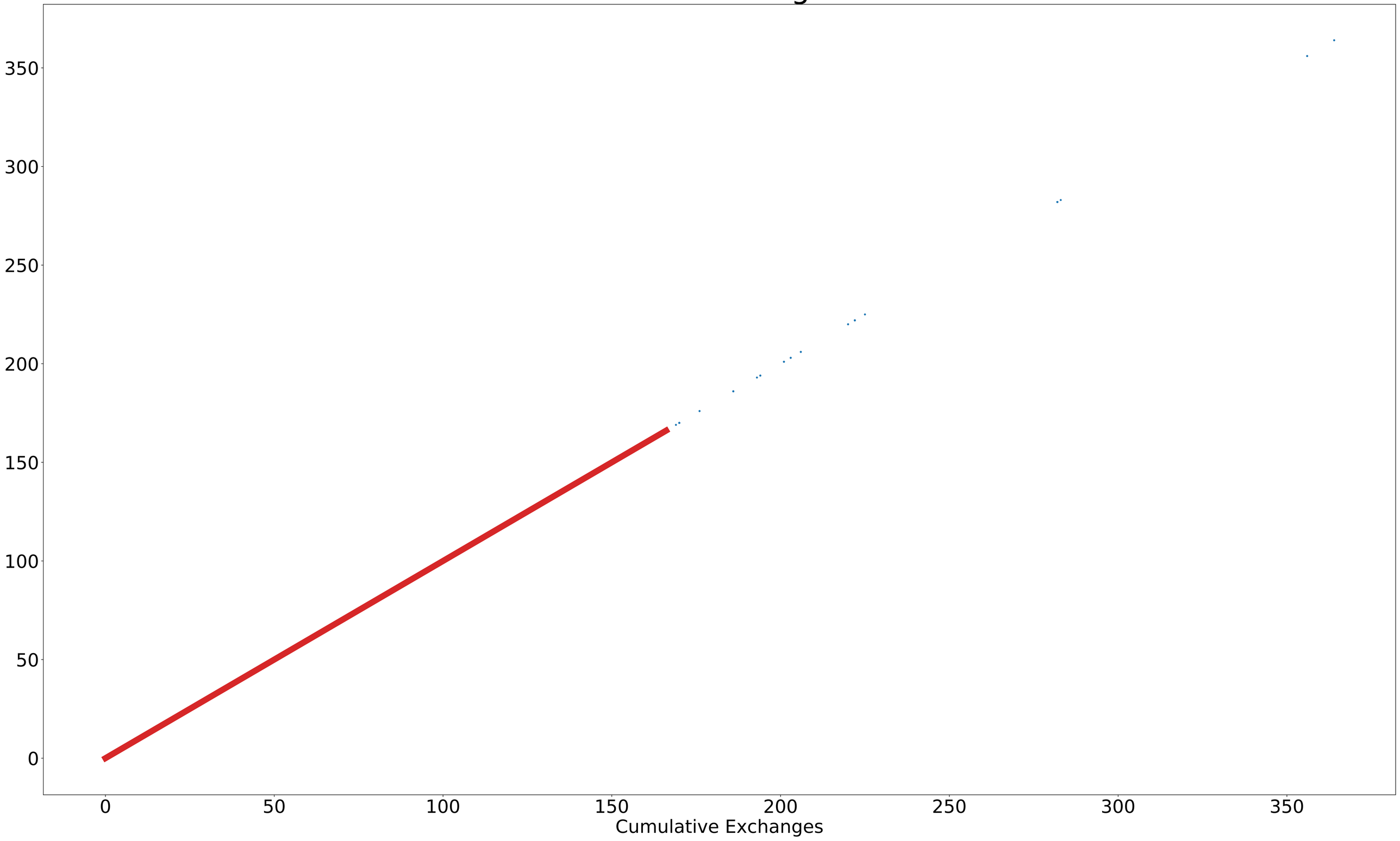
10^2

10^1

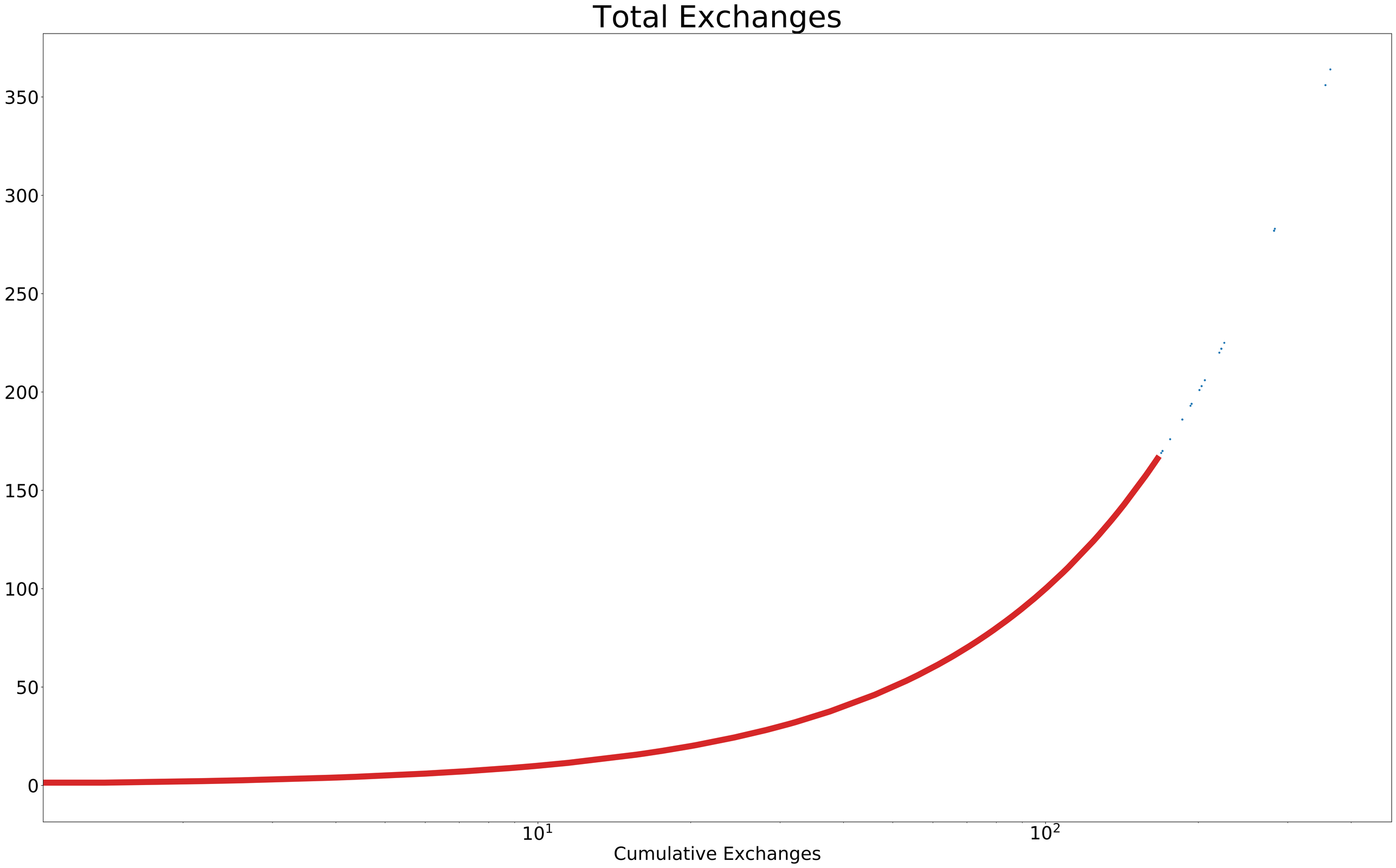
500 510 520 530 540 550 560

Number of Generations

Total Exchanges



Total Exchanges



Total Exchanges

10^2

10^1

10^1

10^2

Cumulative Exchanges

Total Exchanges

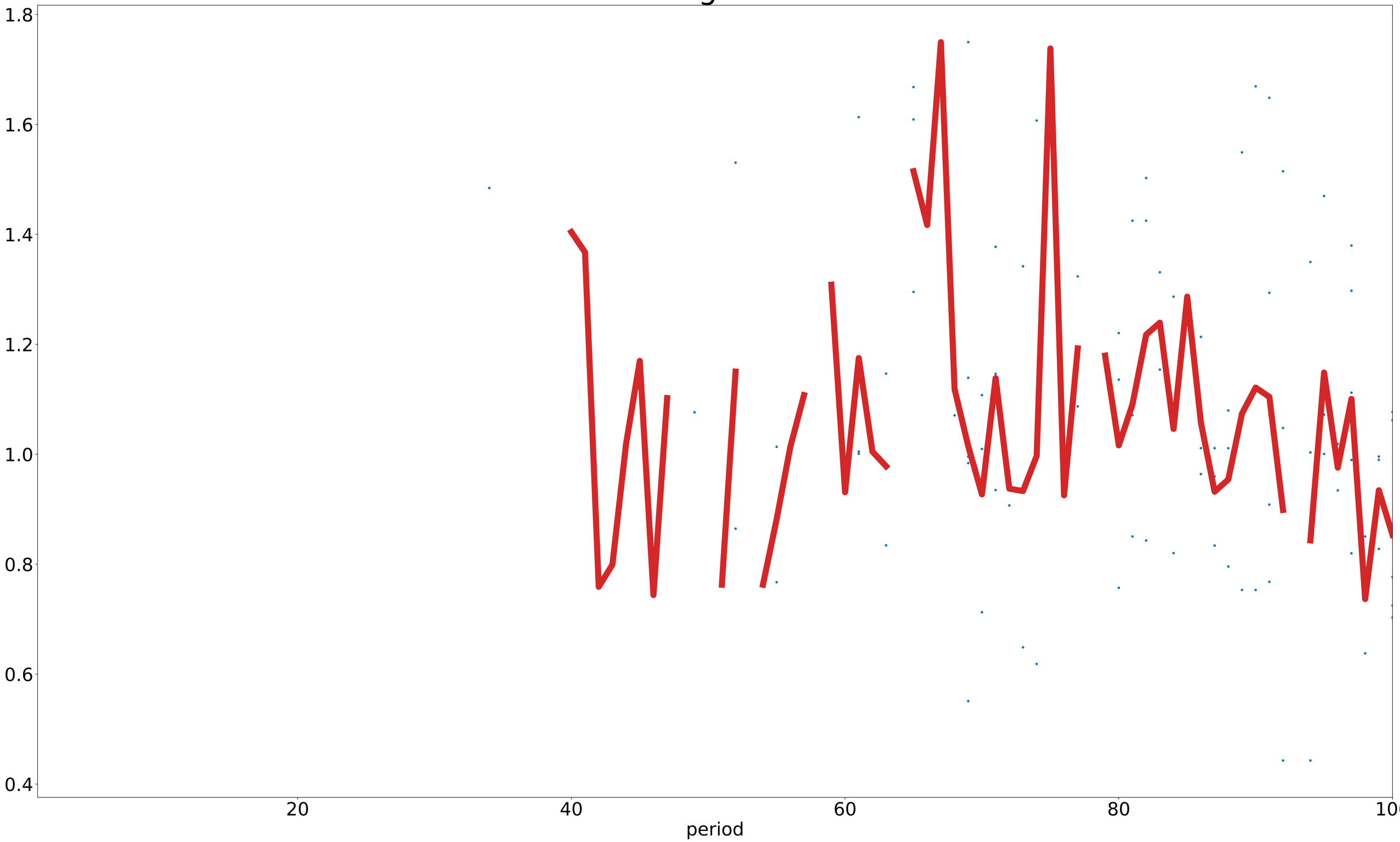
10^2

10^1

0 50 100 150 200 250 300 350

Cumulative Exchanges

Average Price



Average Price

1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4

10^0 10^1 10^2

period

Average Price

10^{0}

6×10^{-1}

10^{0} 10^{1} 10^{2}

period

Average Price

10^{0}

6×10^{-1}

20

40

60

80

100

period

Average Price

1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4

500
510
520
530
540
550
560

Number of Generations

Average Price

1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Average Price

10^0

6×10^{-1}

5×10^2 5.1×10^2 5.2×10^2 5.3×10^2 5.4×10^2 5.5×10^2 5.6×10^2

Number of Generations

Average Price

10^0

6×10^{-1}

500 510 520 530 540 550 560

Number of Generations

Average Price

1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4

0
50
100
150
200
250
300
350

Cumulative Exchanges

Average Price

1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4

10^0 10^1 10^2

Cumulative Exchanges

Average Price

10^0

6×10^{-1}

10^0

10^1

10^2

Cumulative Exchanges

Average Price

10^0

6×10^{-1}

0 50 100 150 200 250 300 350

Cumulative Exchanges