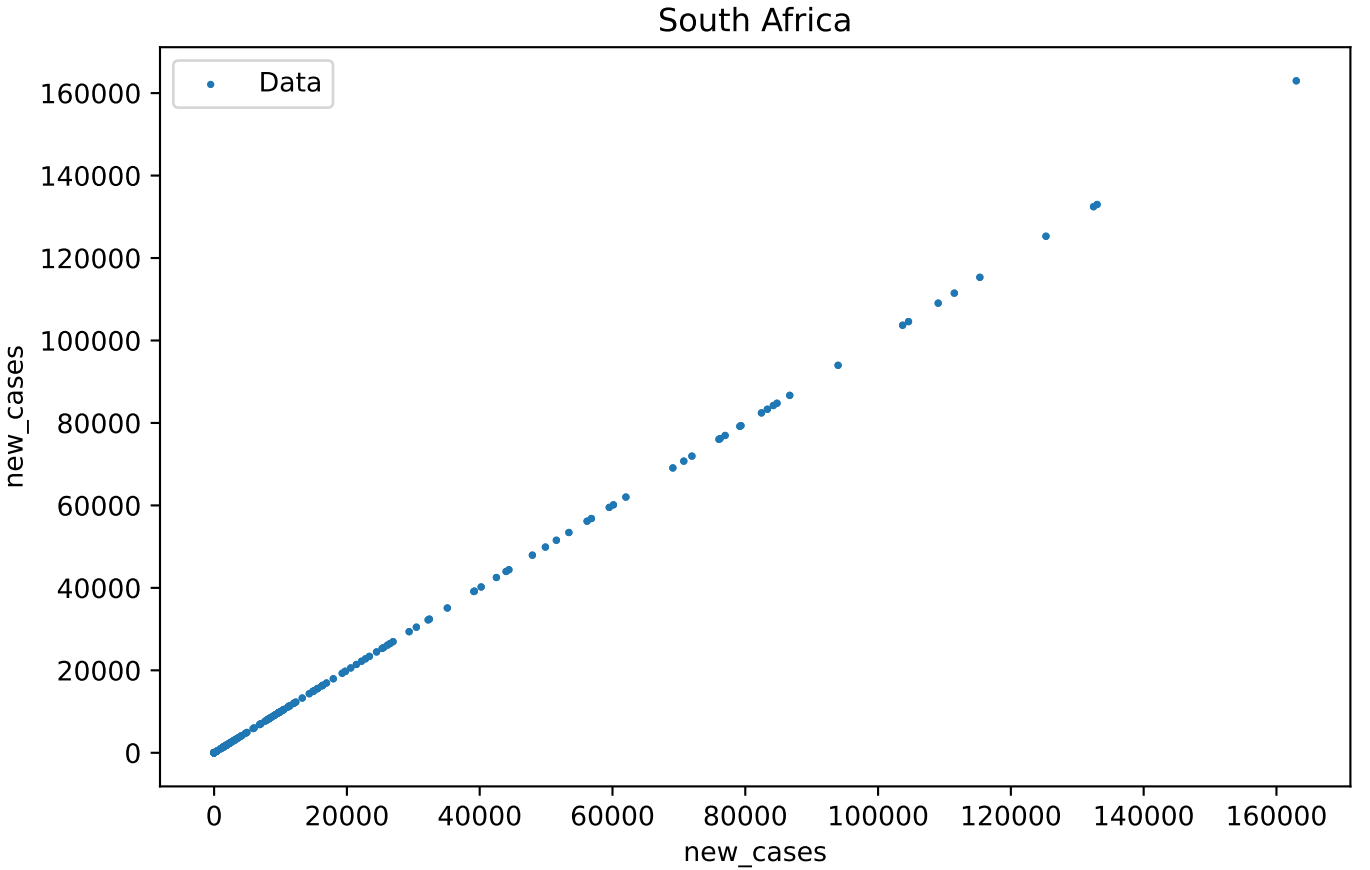
South Africa
Data
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140000
120000
100000
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new_cases
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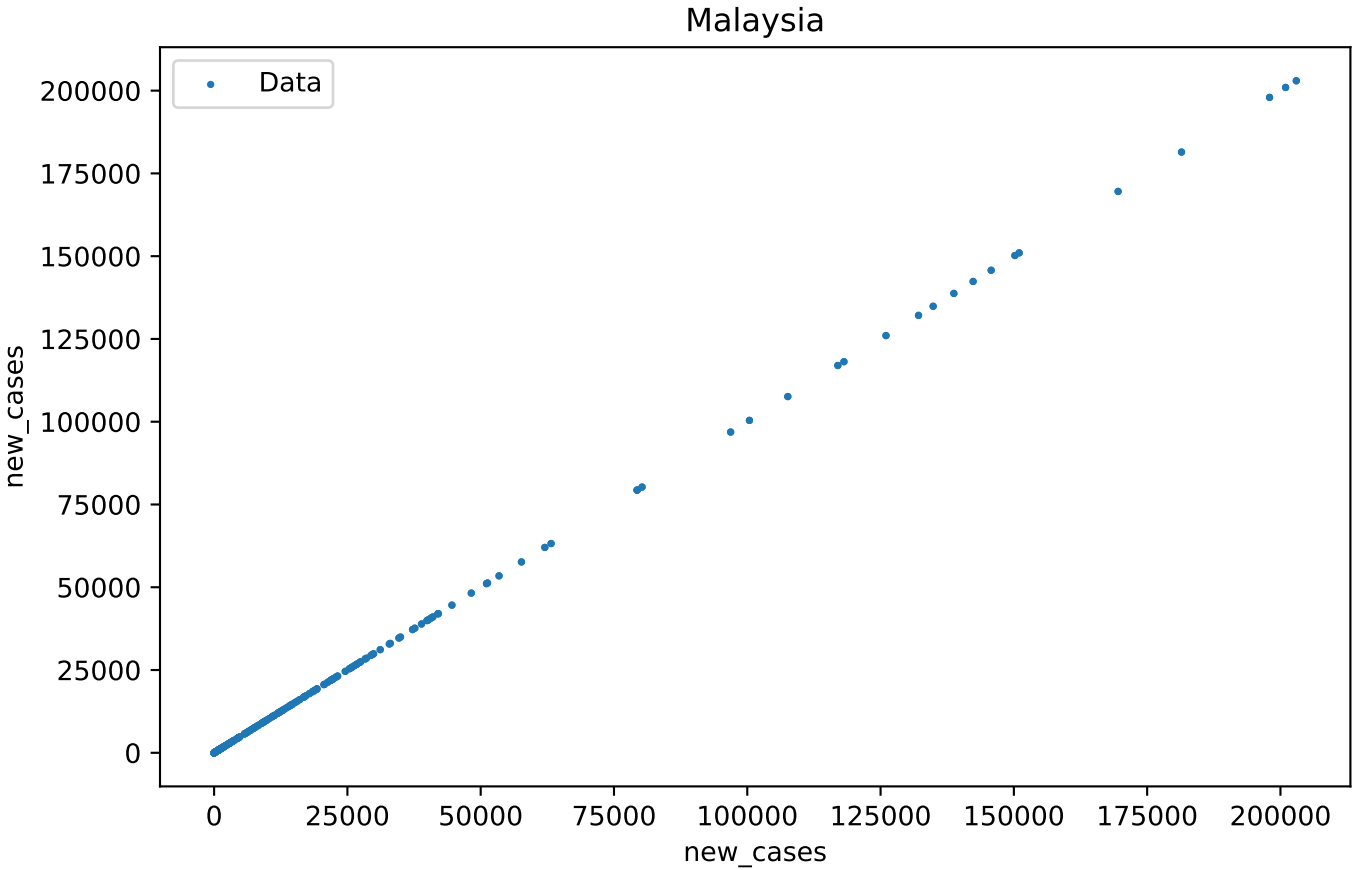
20000
40000
60000
80000
100000
120000
140000
160000
new_cases


Malaysia
Data
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150000
125000
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0
new_cases
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50000
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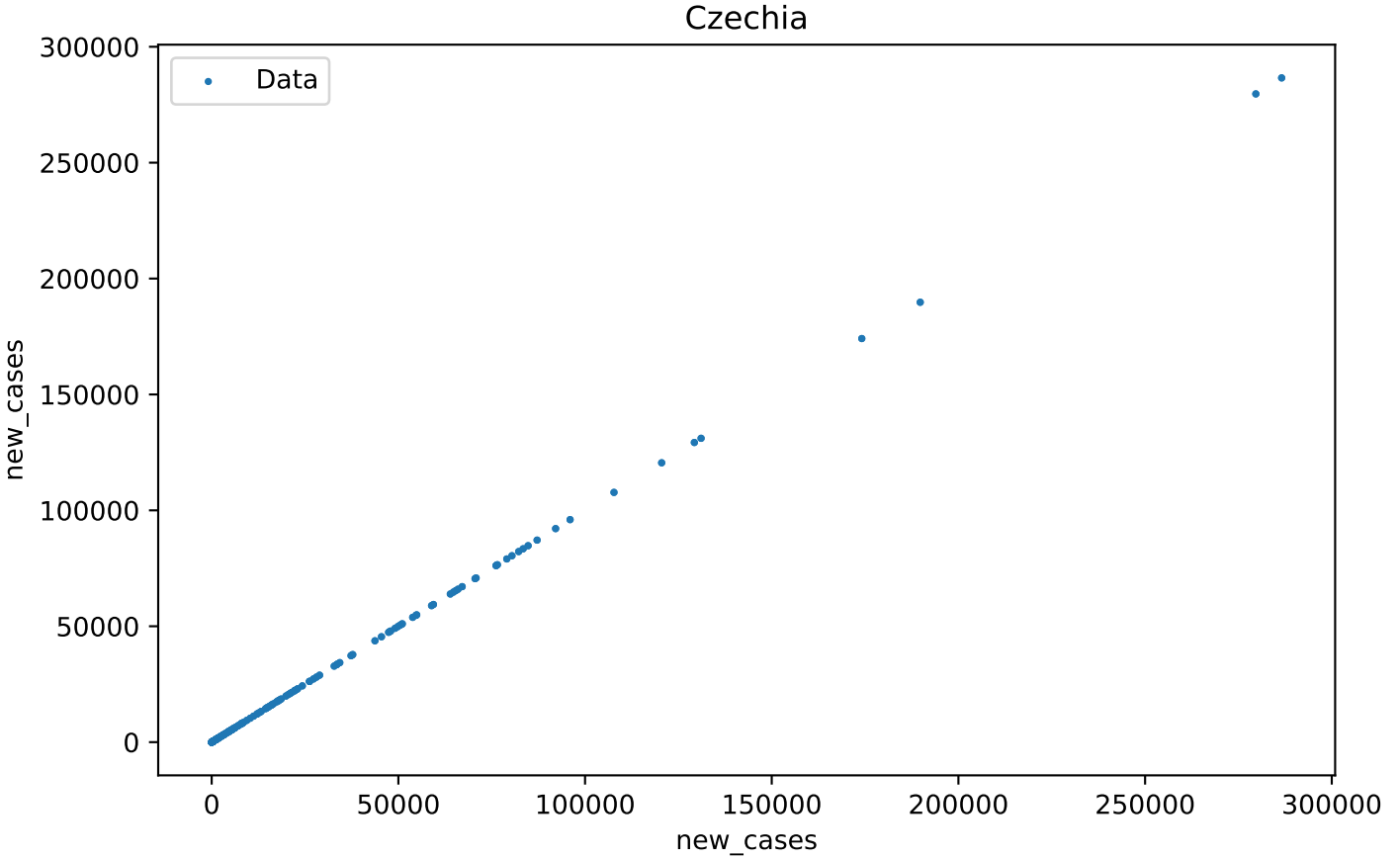
100000
125000
150000
175000
200000
new_cases


Czechia
Data
new_cases
new_cases
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100000
50000
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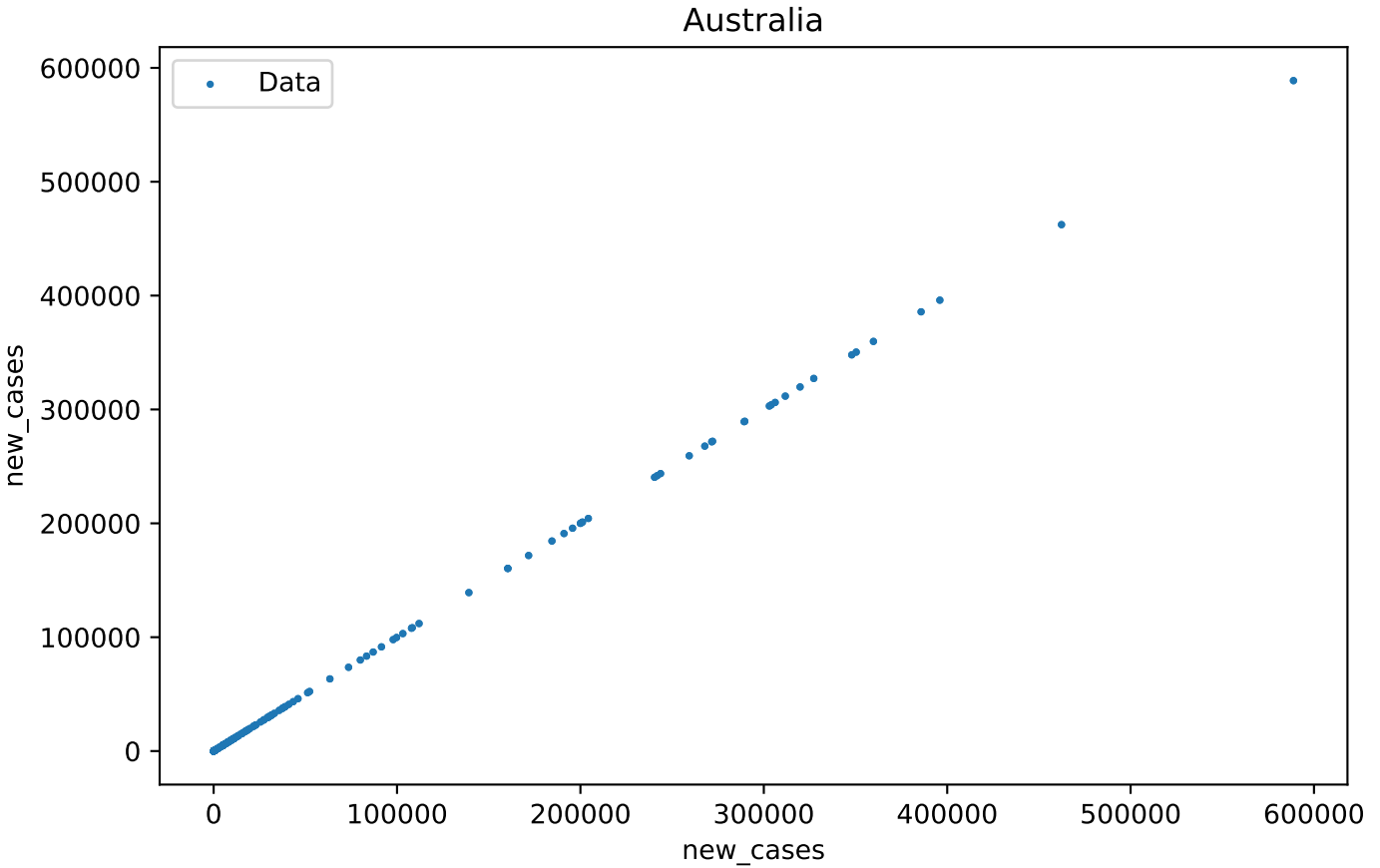
0
50000
100000
150000
200000
250000
300000


Australia
Data
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new_cases
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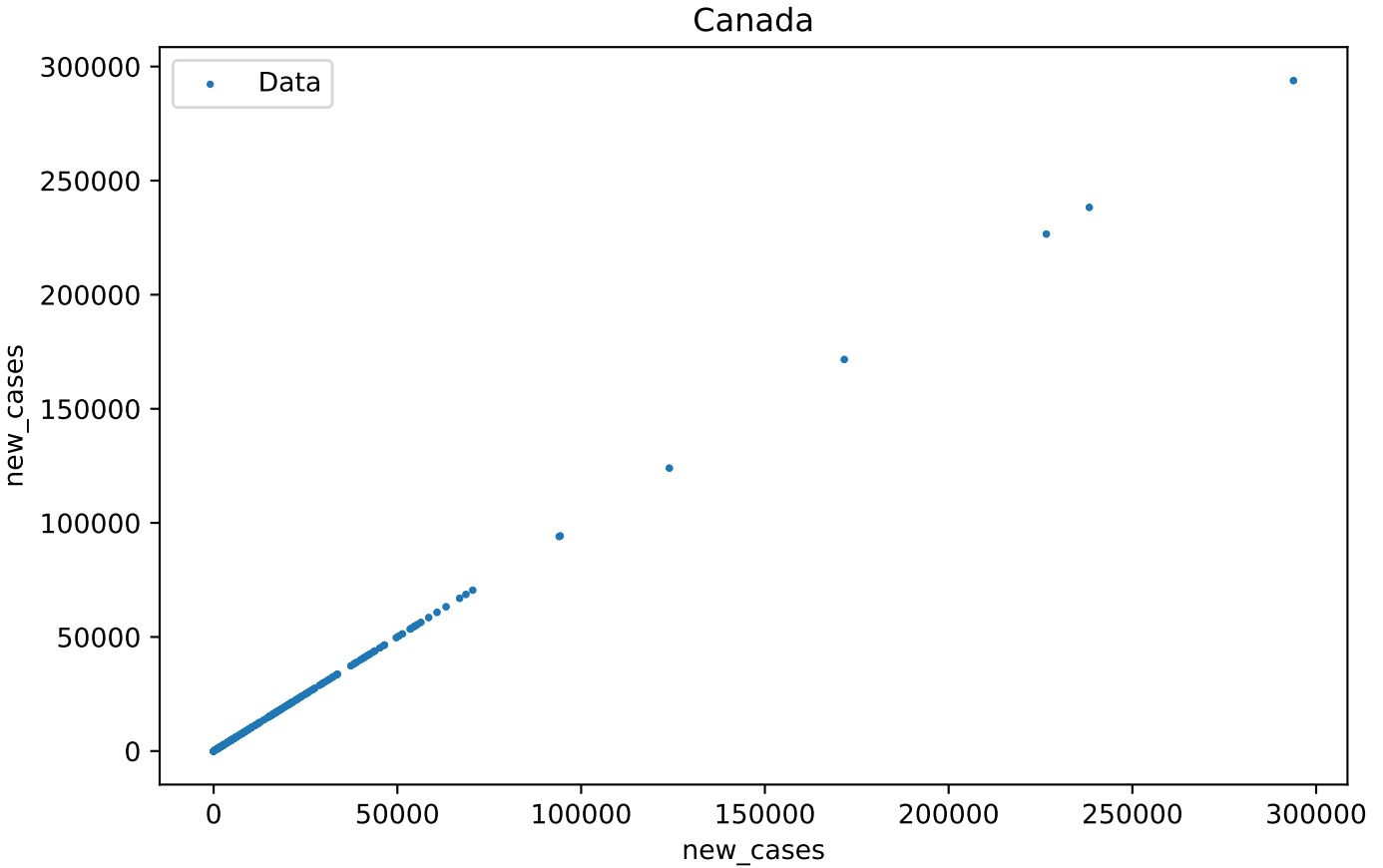
new_cases


Canada
Data
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50000
0
new_cases
0
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100000
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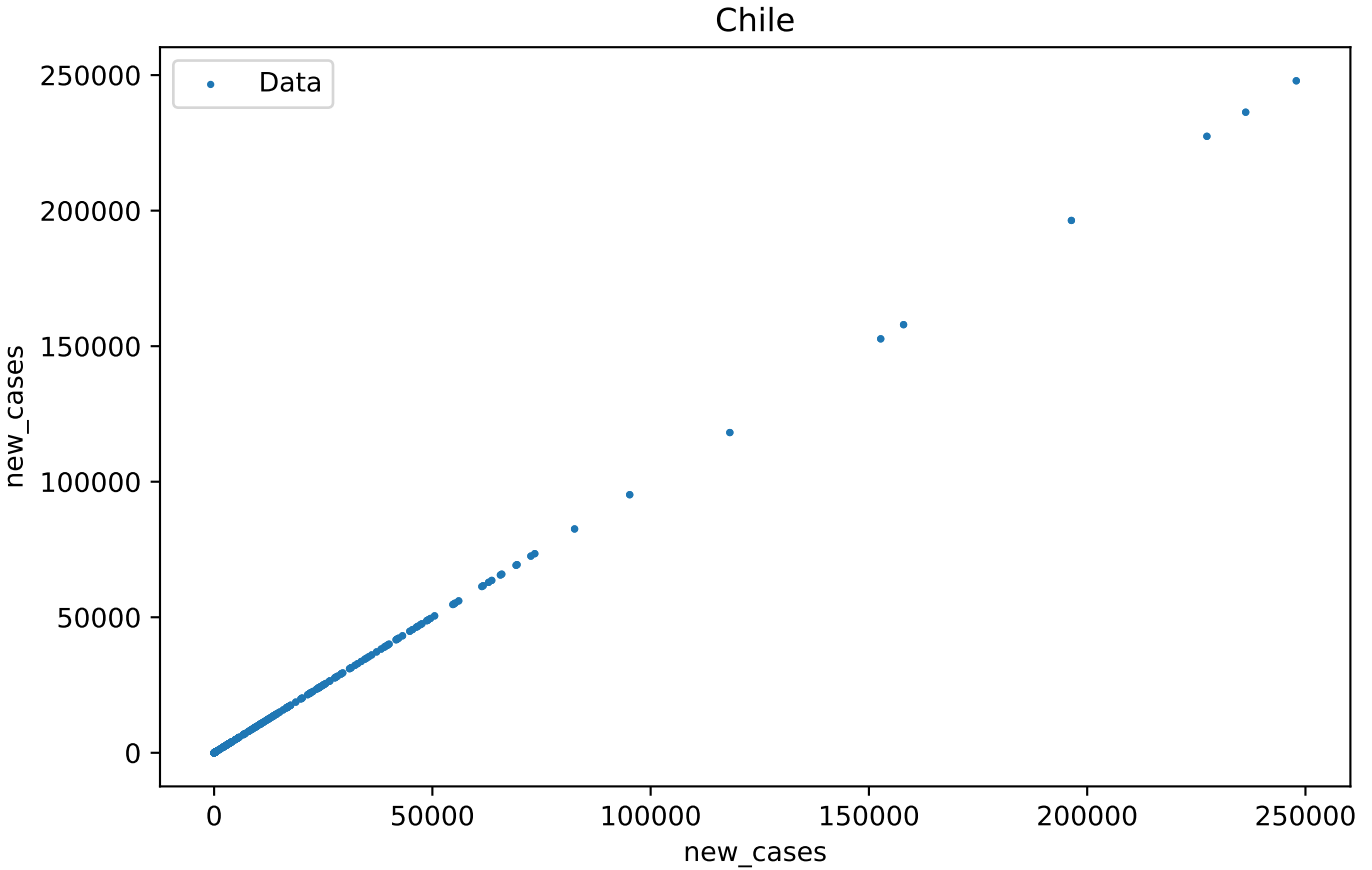
200000
250000
300000
new_cases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Data
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150000
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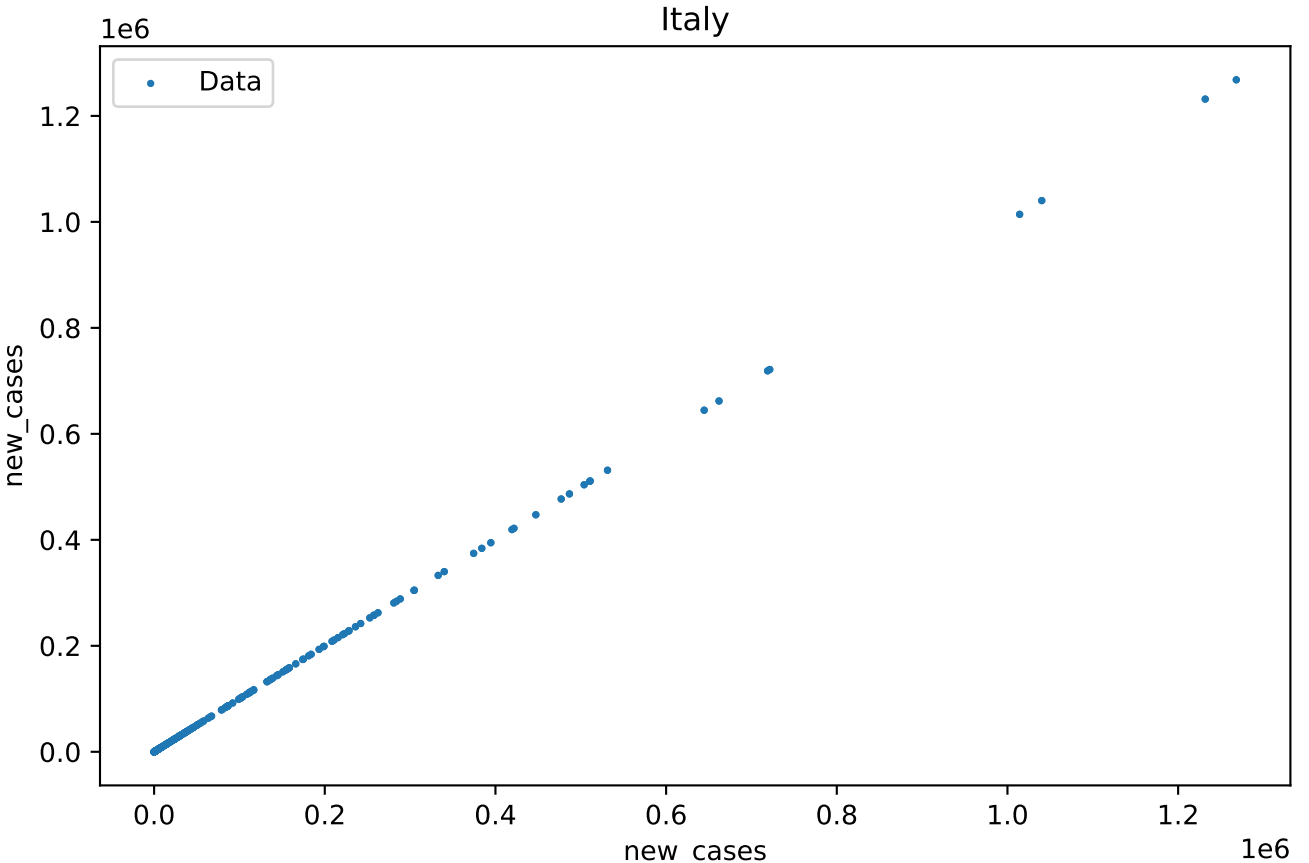
new_cases
0
50000
100000
150000
200000
250000
new_cases


Italy
1e6
Data
1.2
1.0
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0.6
0.4
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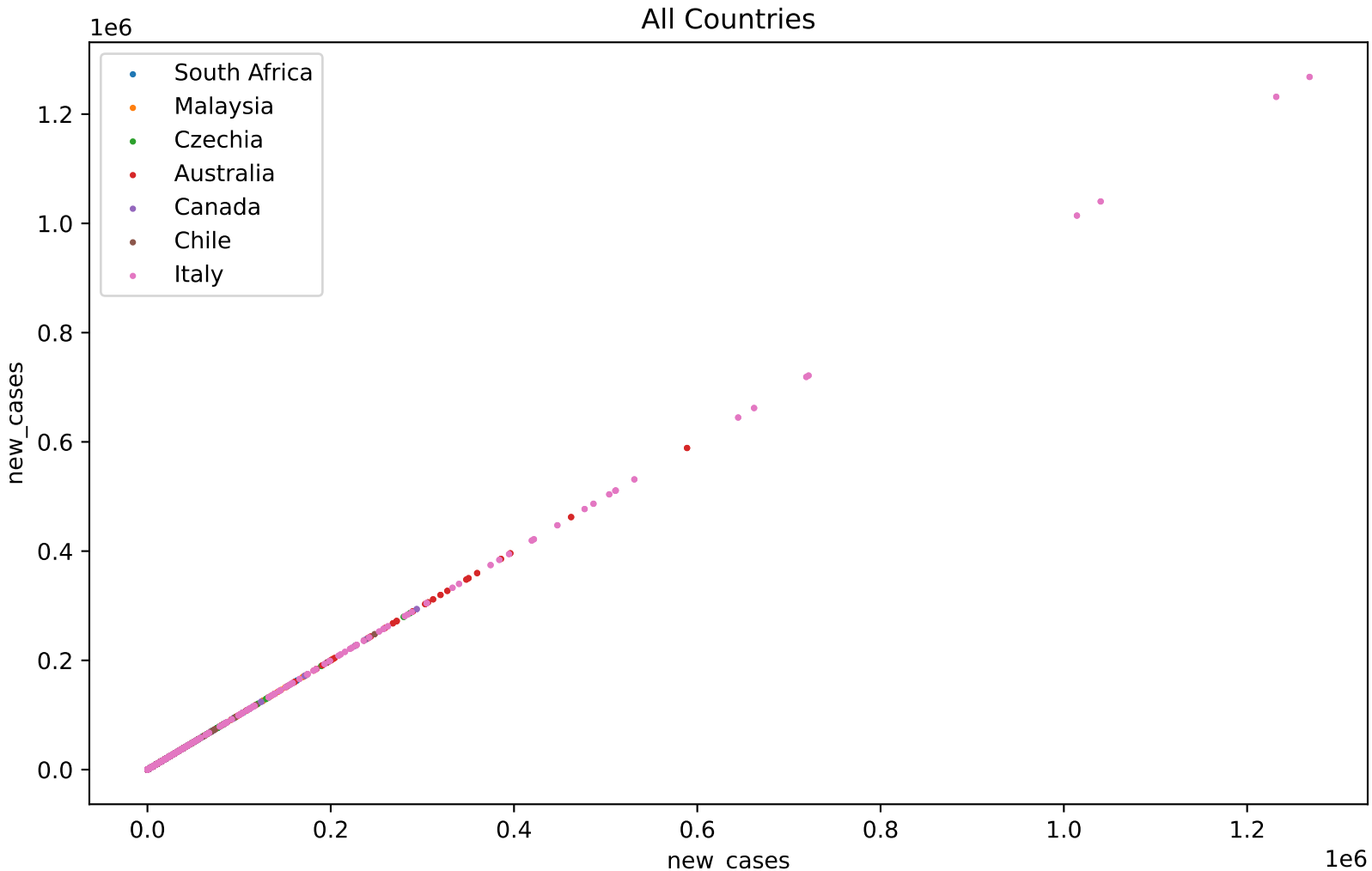
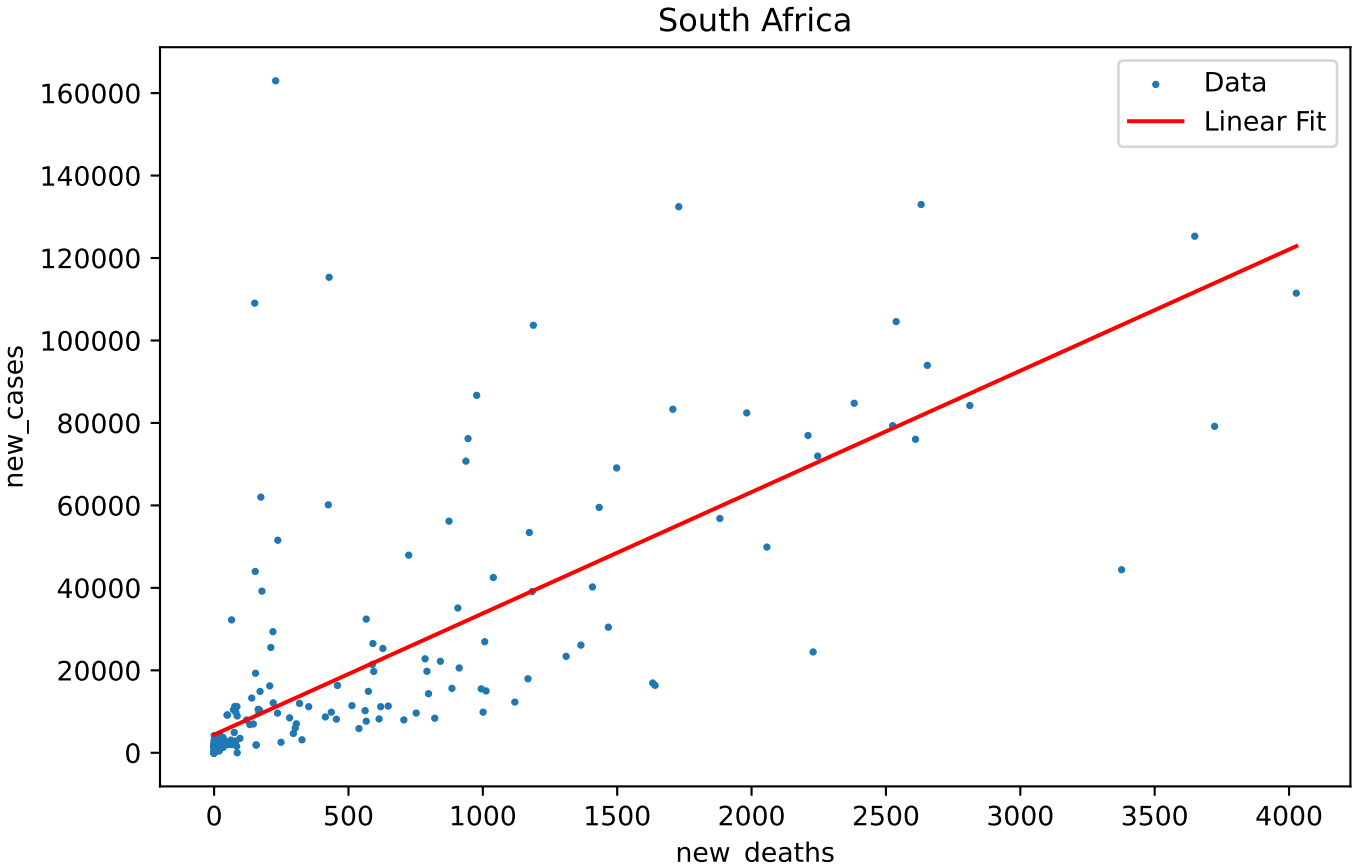
new_cases
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases


All Countries
1e6
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
1.2
1.0
0.8
0.6
0.4
0.2
0.0
new_cases
0.0
0.2
0.4
0.6
0.8
1.0
1.2
new_cases
1e6


South Africa
Data
Linear Fit
new_cases
new_deaths
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160000
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1000
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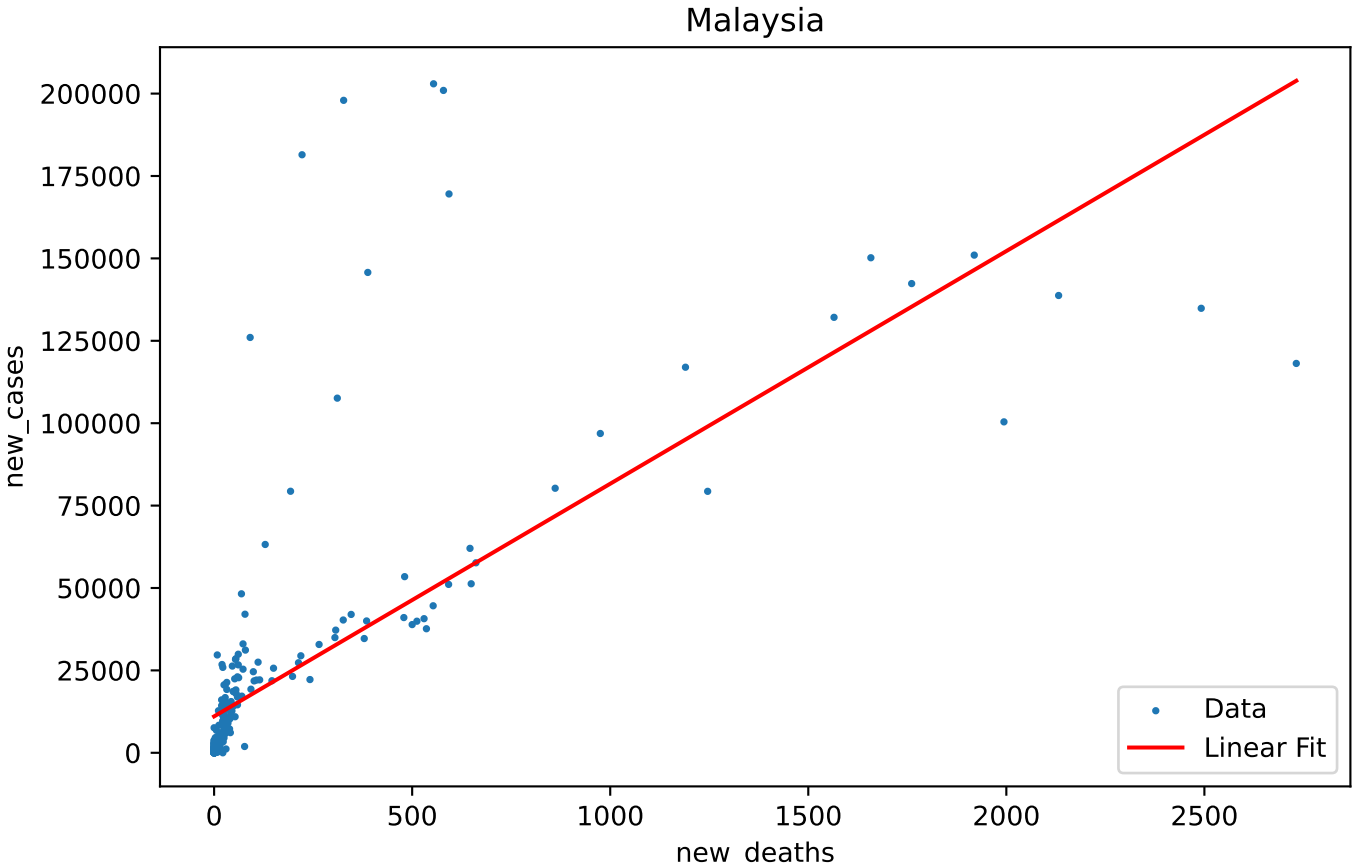
2500
3000
3500
4000


Malaysia
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175000
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50000
25000
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new_cases
0
500
1000
1500
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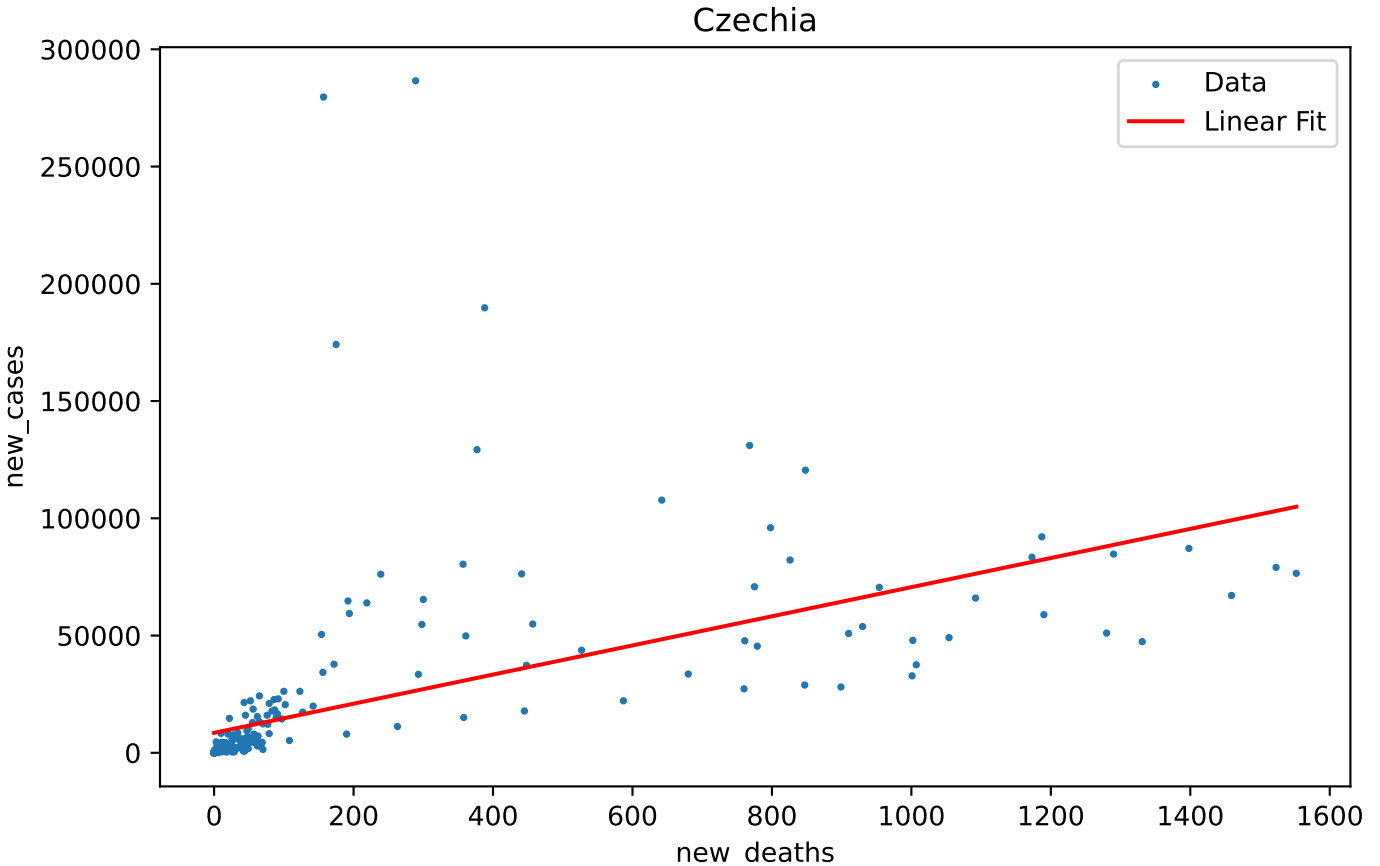
new_deaths
Data
Linear Fit


Czechia
Data
Linear Fit
new_cases
new_deaths
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100000
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1400
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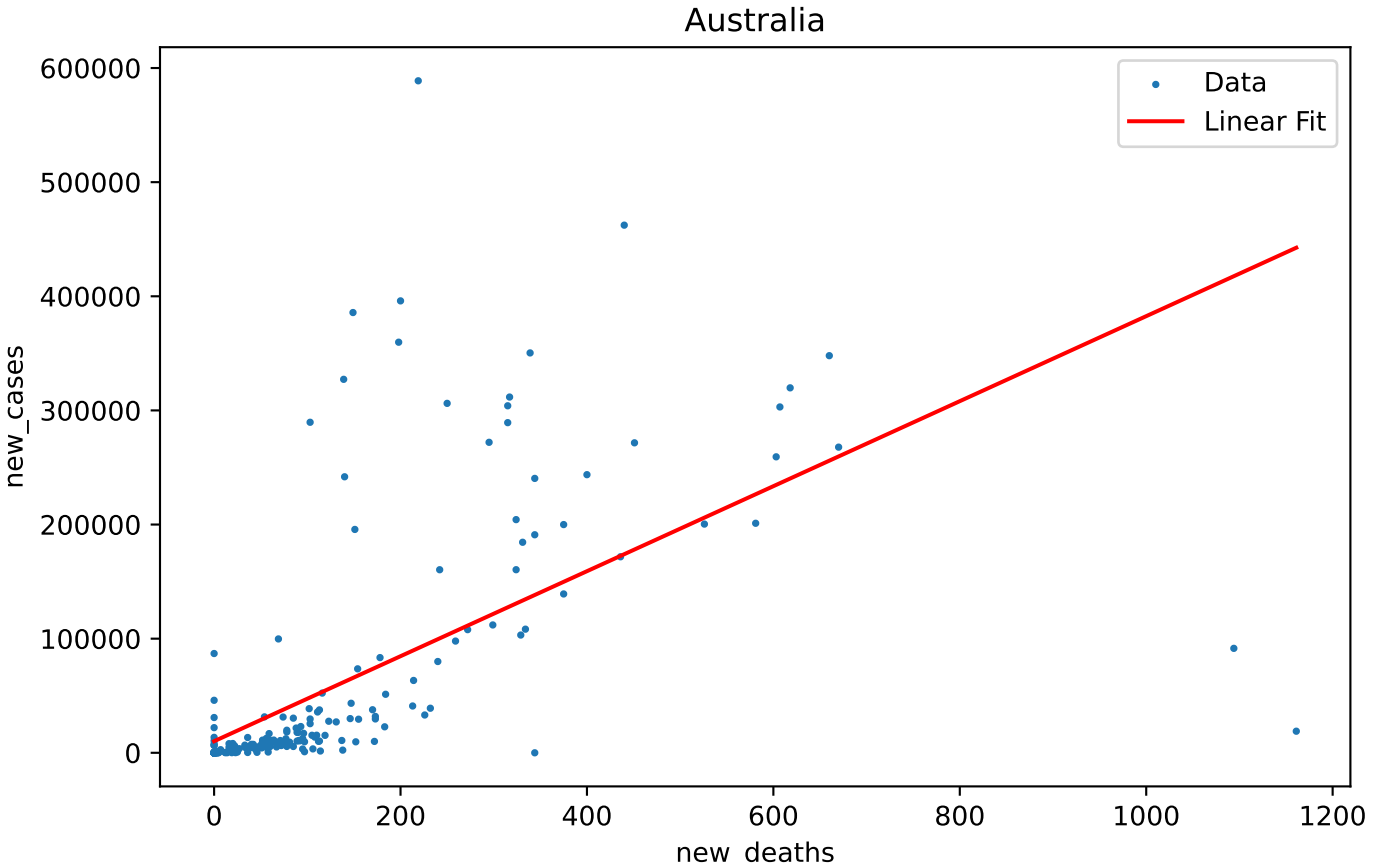
Australia
Data
Linear Fit
new_cases
new_deaths
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400000
300000
200000
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0
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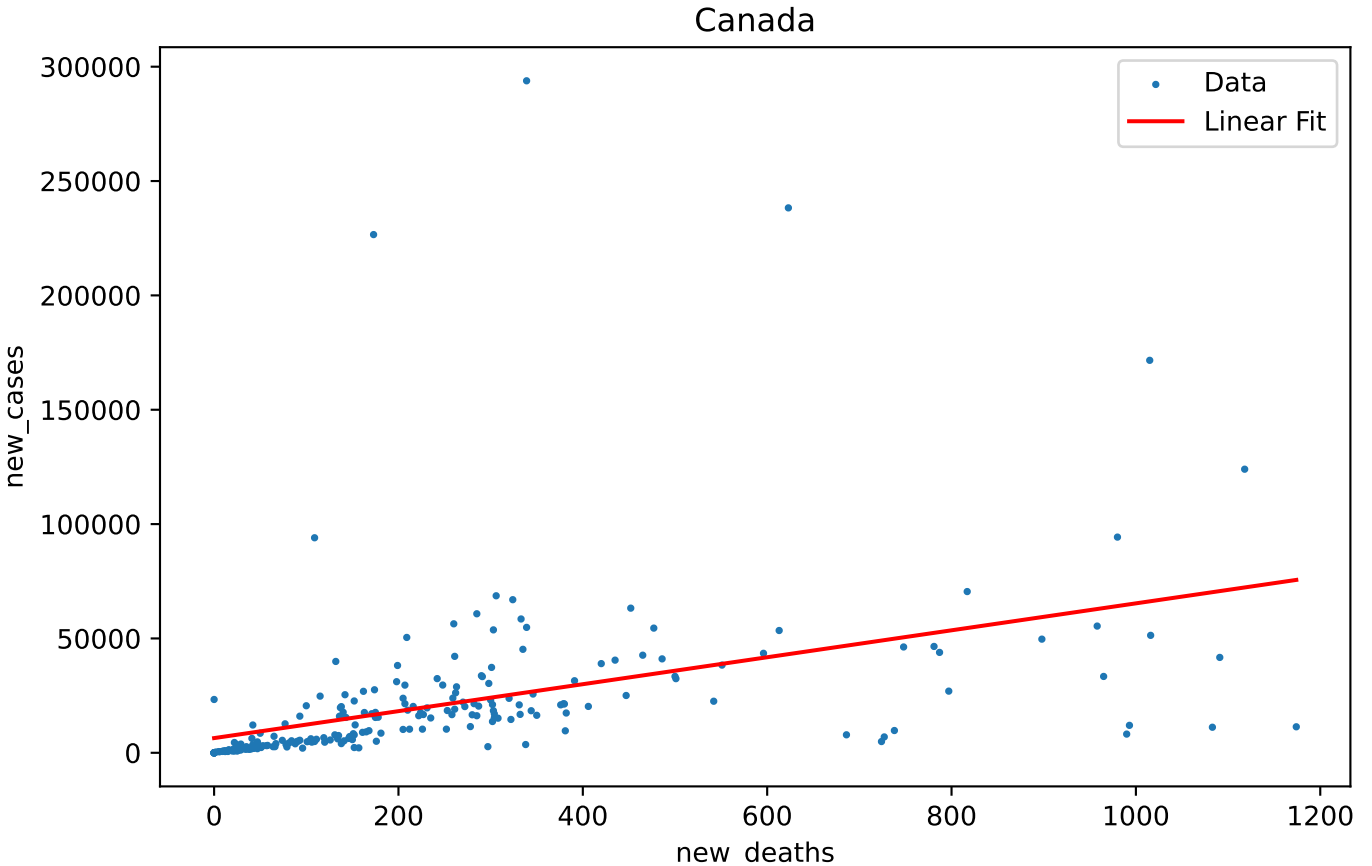
600
800
1000
1200


Canada
Data
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new_cases
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1000
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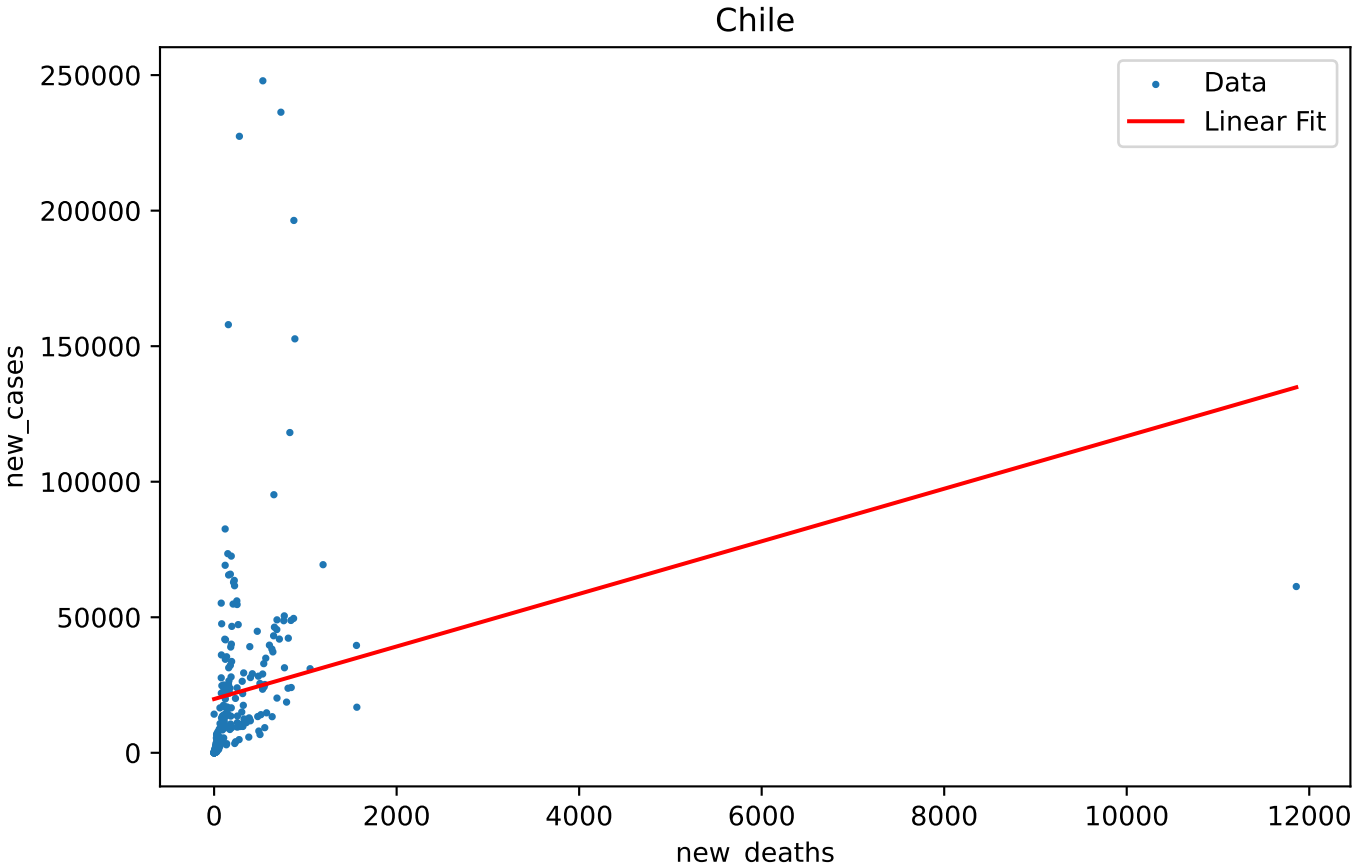
new_deaths


Chile
Data
Linear Fit
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new_cases
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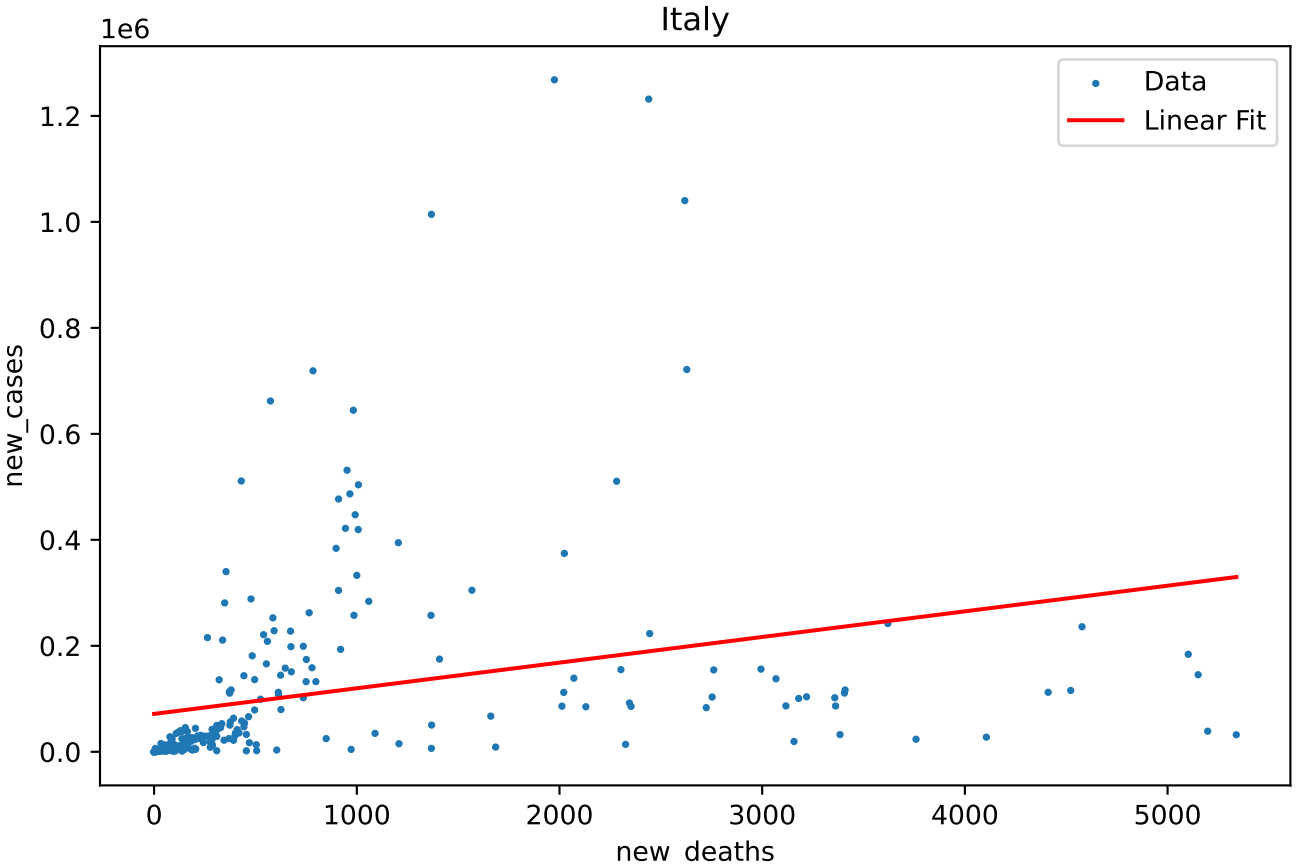
4000
6000
8000
10000
12000
new_deaths


Italy
1e6
1.2
1.0
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0.6
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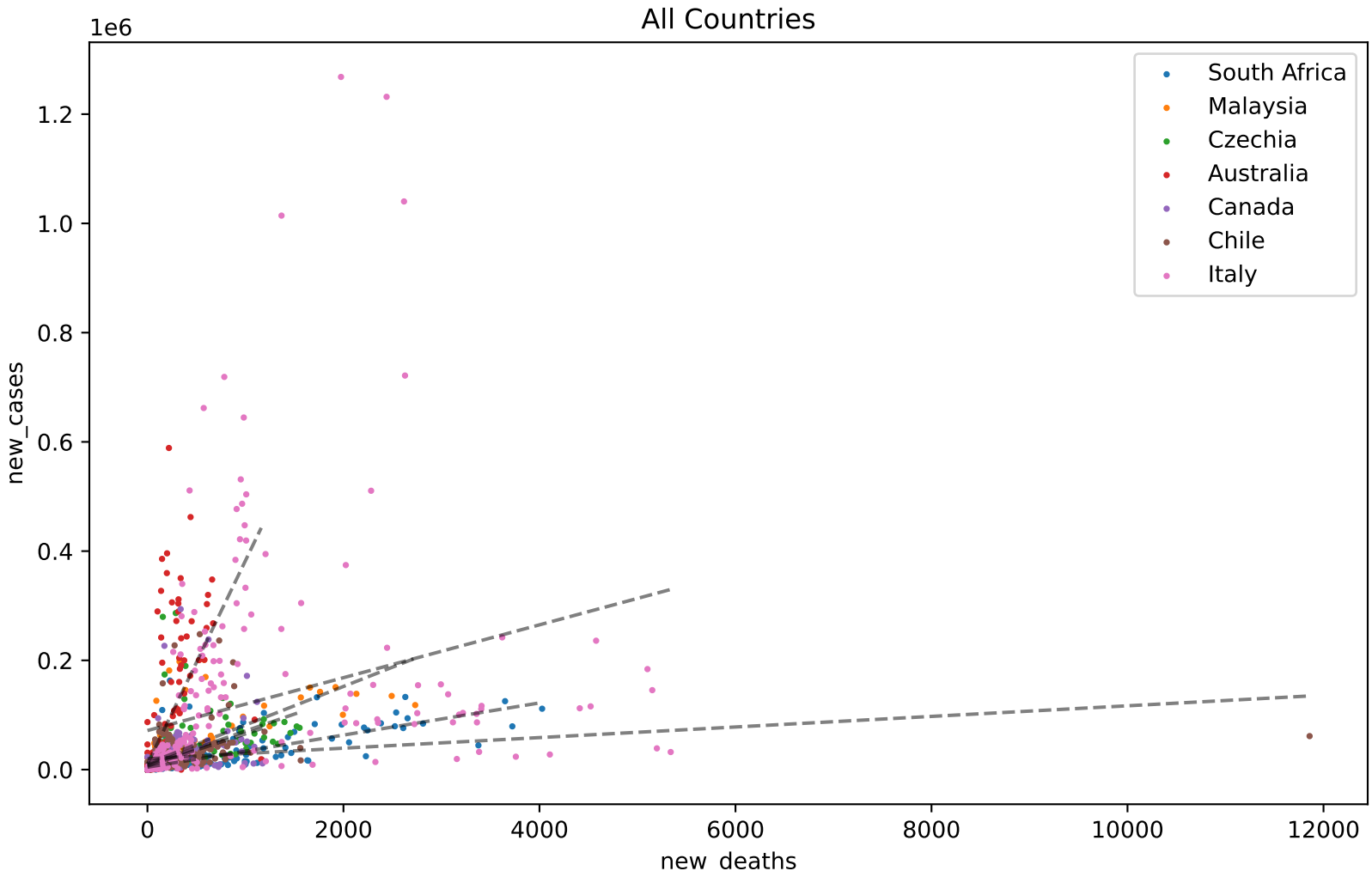
0.2
0.0
new_cases
0
1000
2000
3000
4000
5000
new_deaths
Data
Linear Fit


All Countries
1e6
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1.0
0.8
0.6
0.4
0.2
0.0
new_cases
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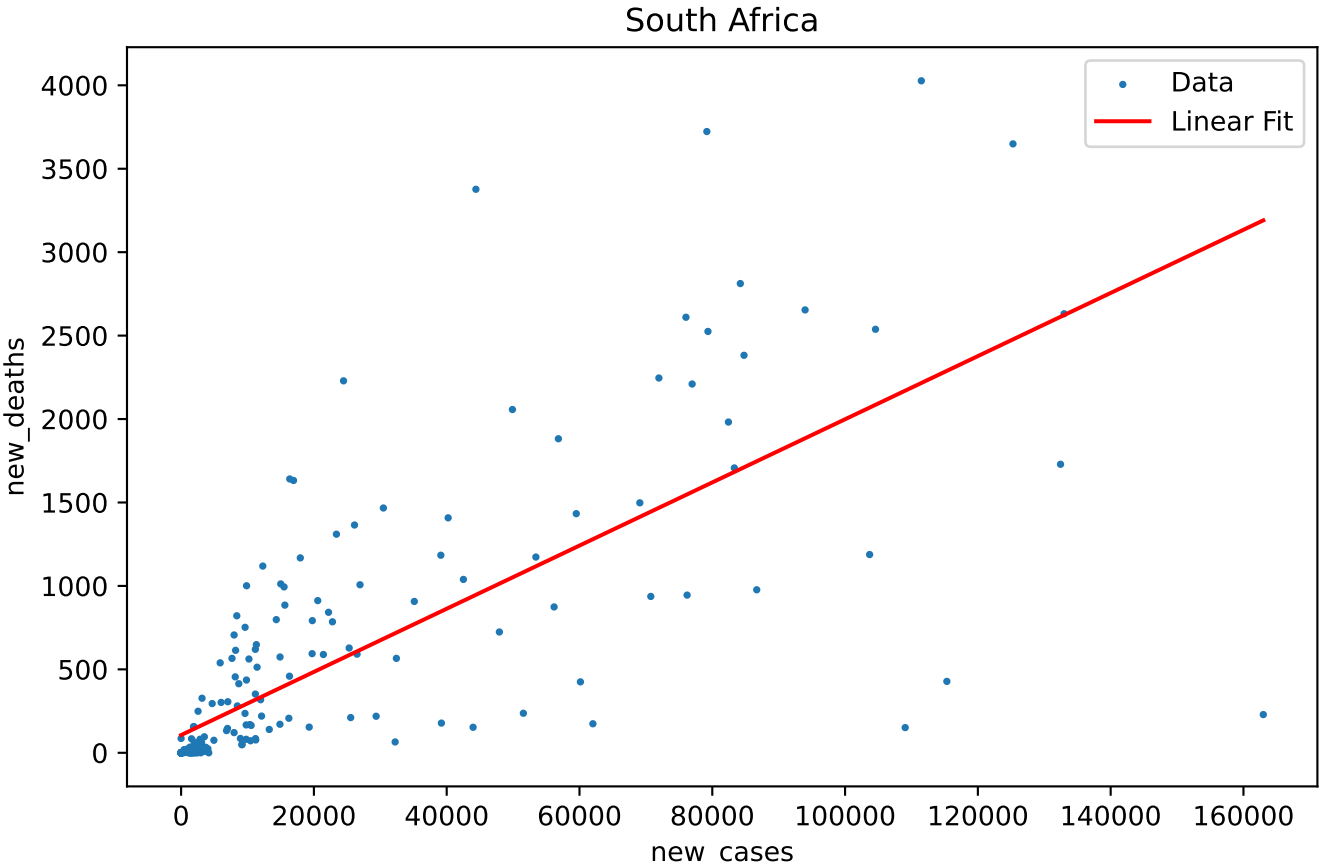
6000
8000
10000
12000
new_deaths
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy


South Africa
Data
Linear Fit
new_deaths
new_cases
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3000
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4000
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60000
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120000
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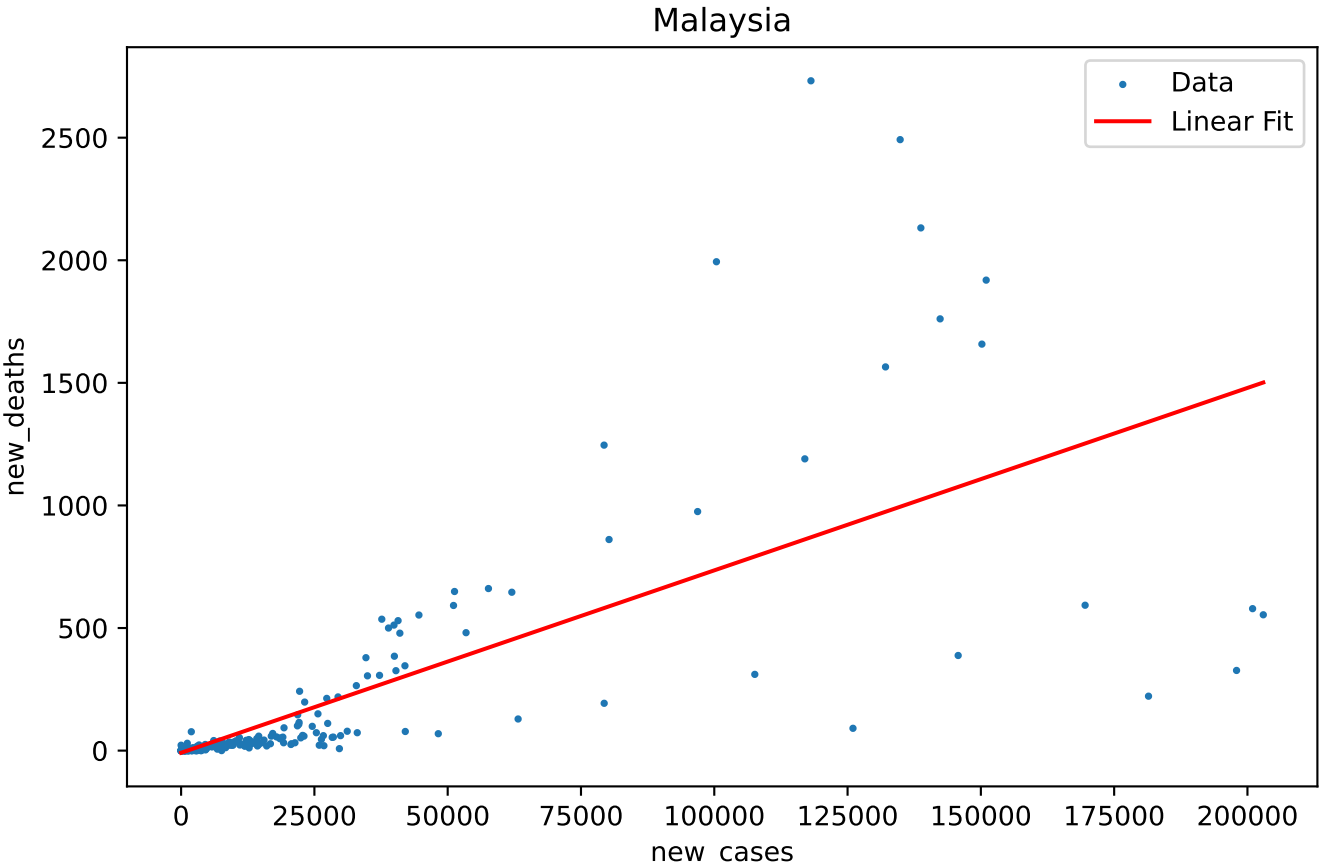
160000


Malaysia
Data
Linear Fit
new_deaths
new_cases
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0
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150000
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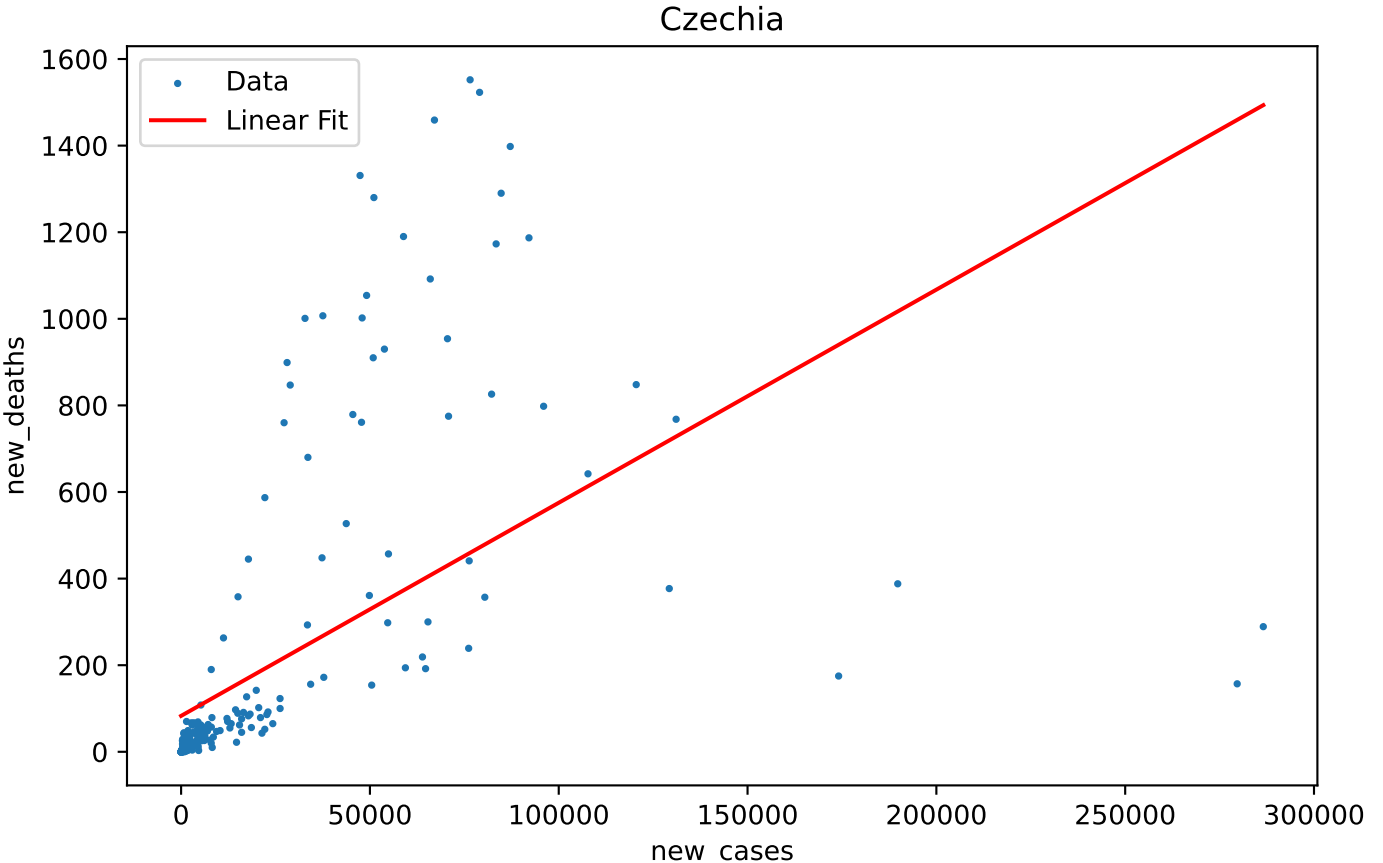
200000


Czechia
Data
Linear Fit
new_deaths
new_cases
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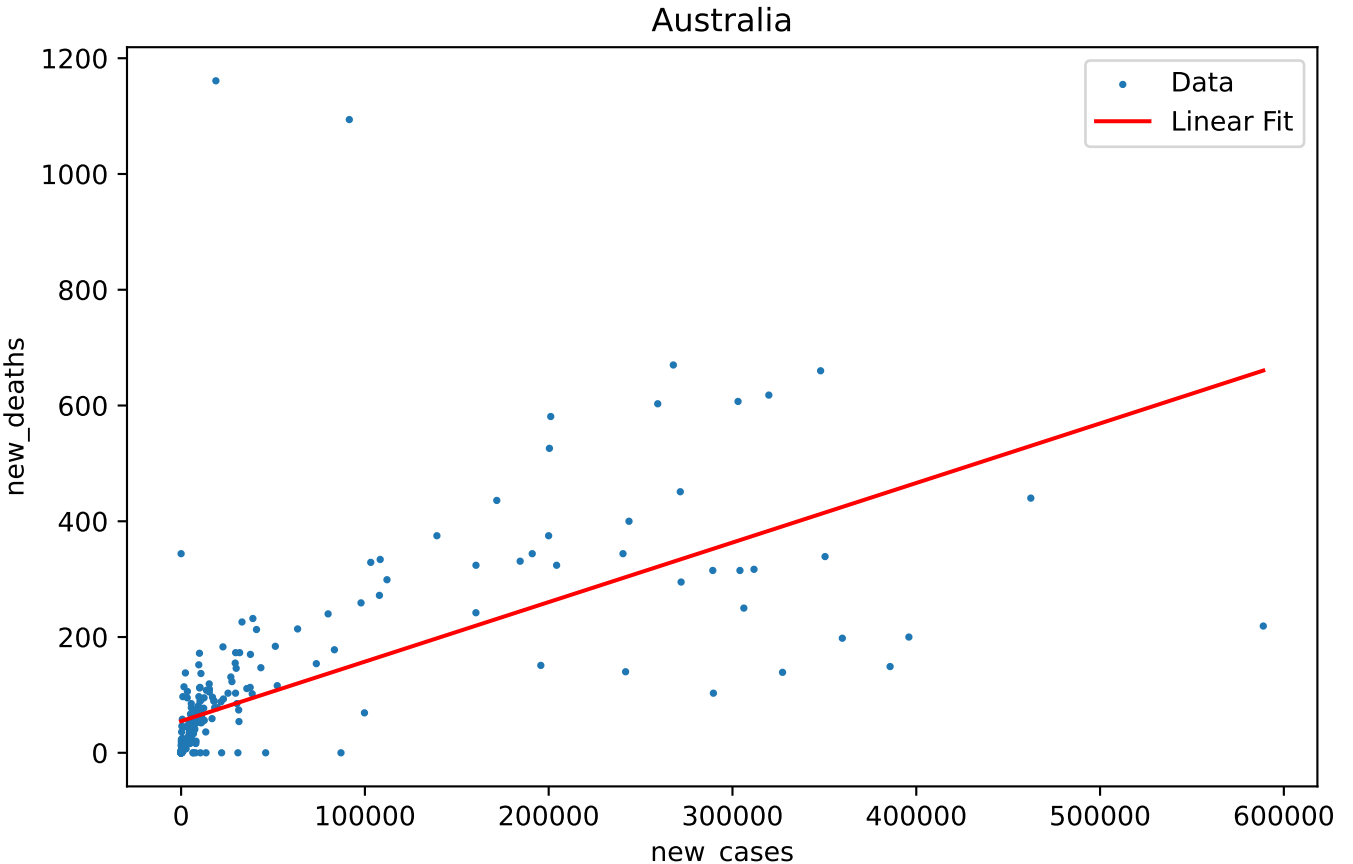
Australia
Data
Linear Fit
new_deaths
new_cases
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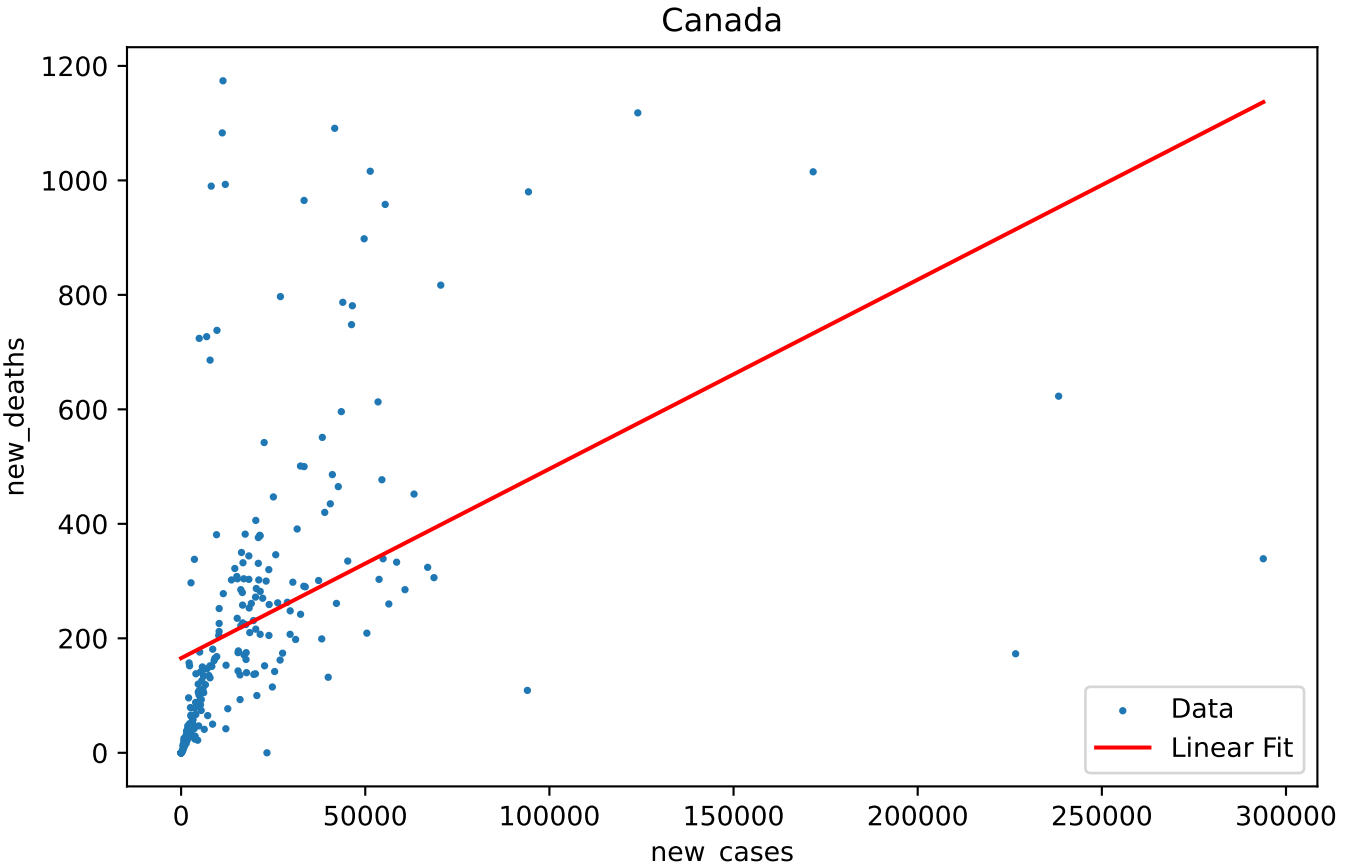
Canada
1200
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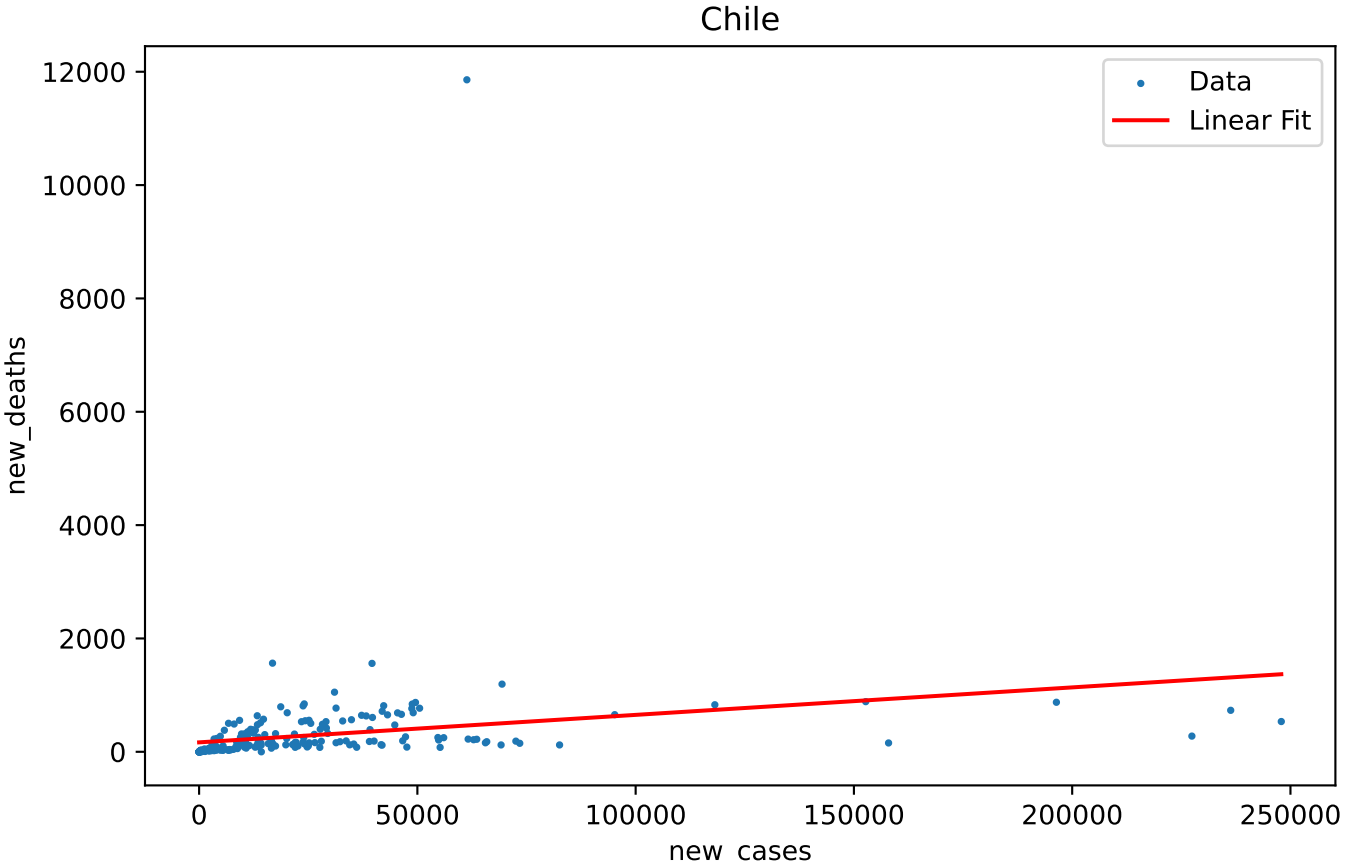
0
new_deaths
0
50000
100000
150000
200000
250000
300000
new_cases
Data
Linear Fit


Chile
Data
Linear Fit
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new_deaths
0
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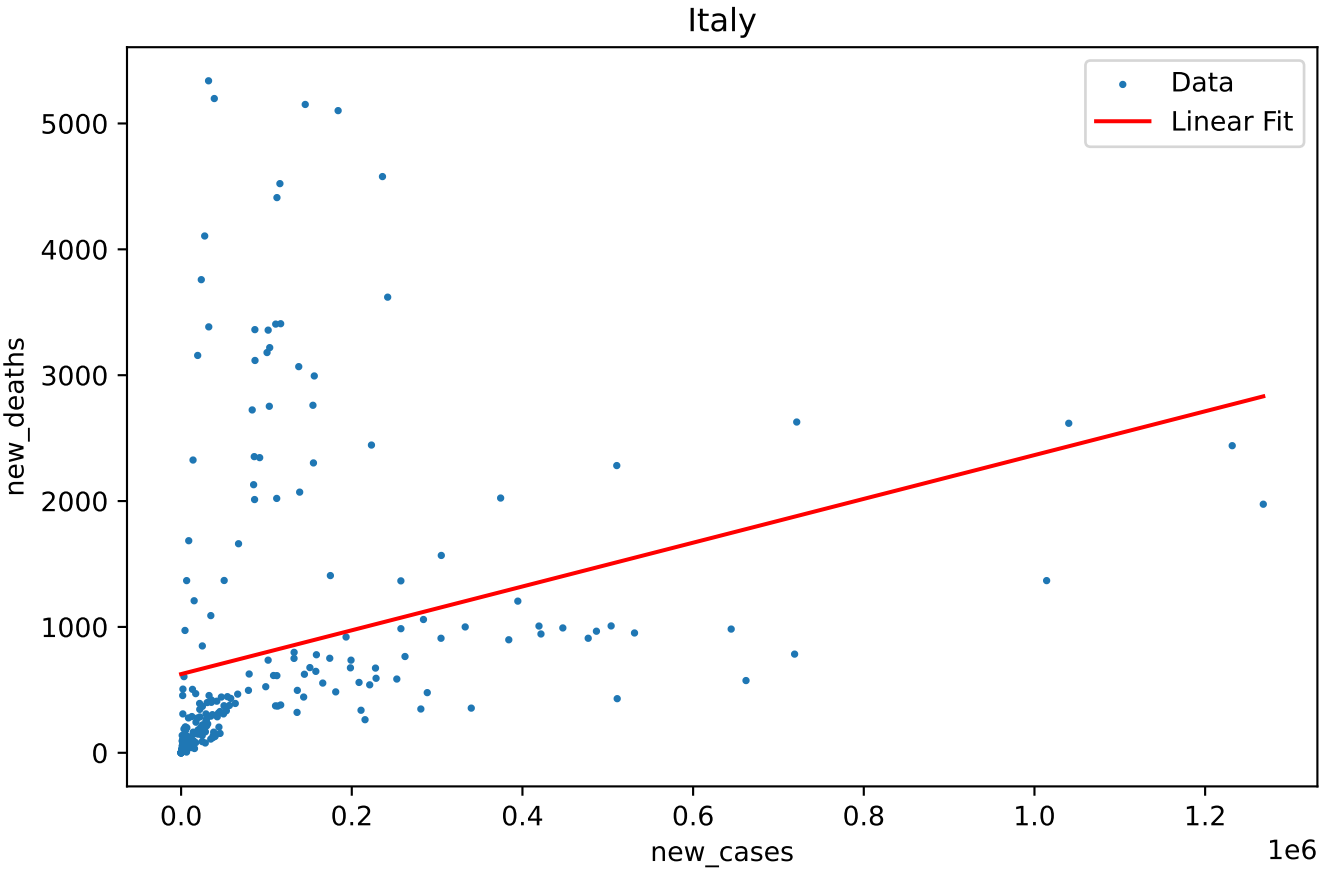
200000
250000
new_cases


Italy
Data
Linear Fit
new_deaths
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3000
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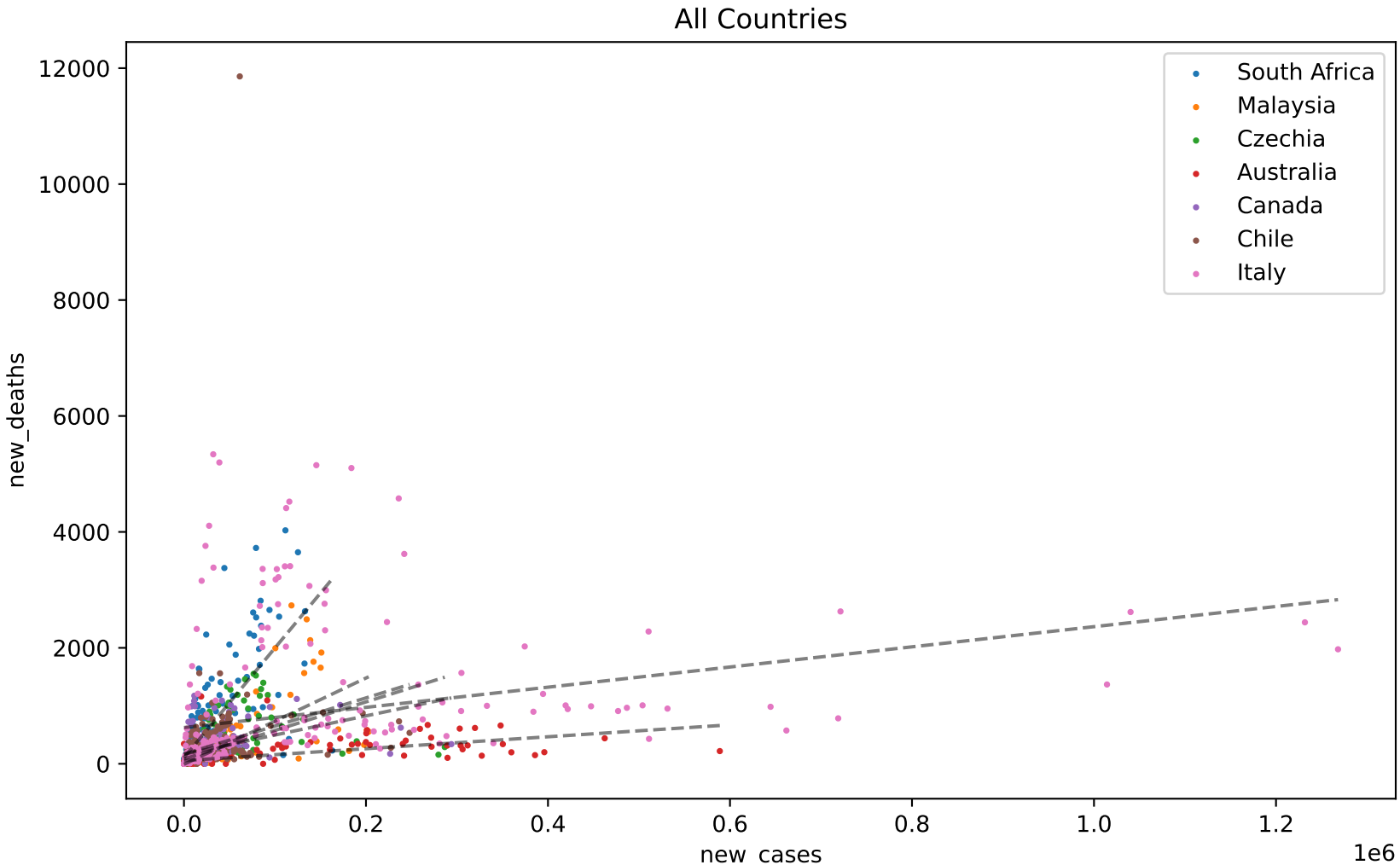
0.4
0.6
0.8
1.0
1.2
new_cases
1e6


All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
12000
10000
8000
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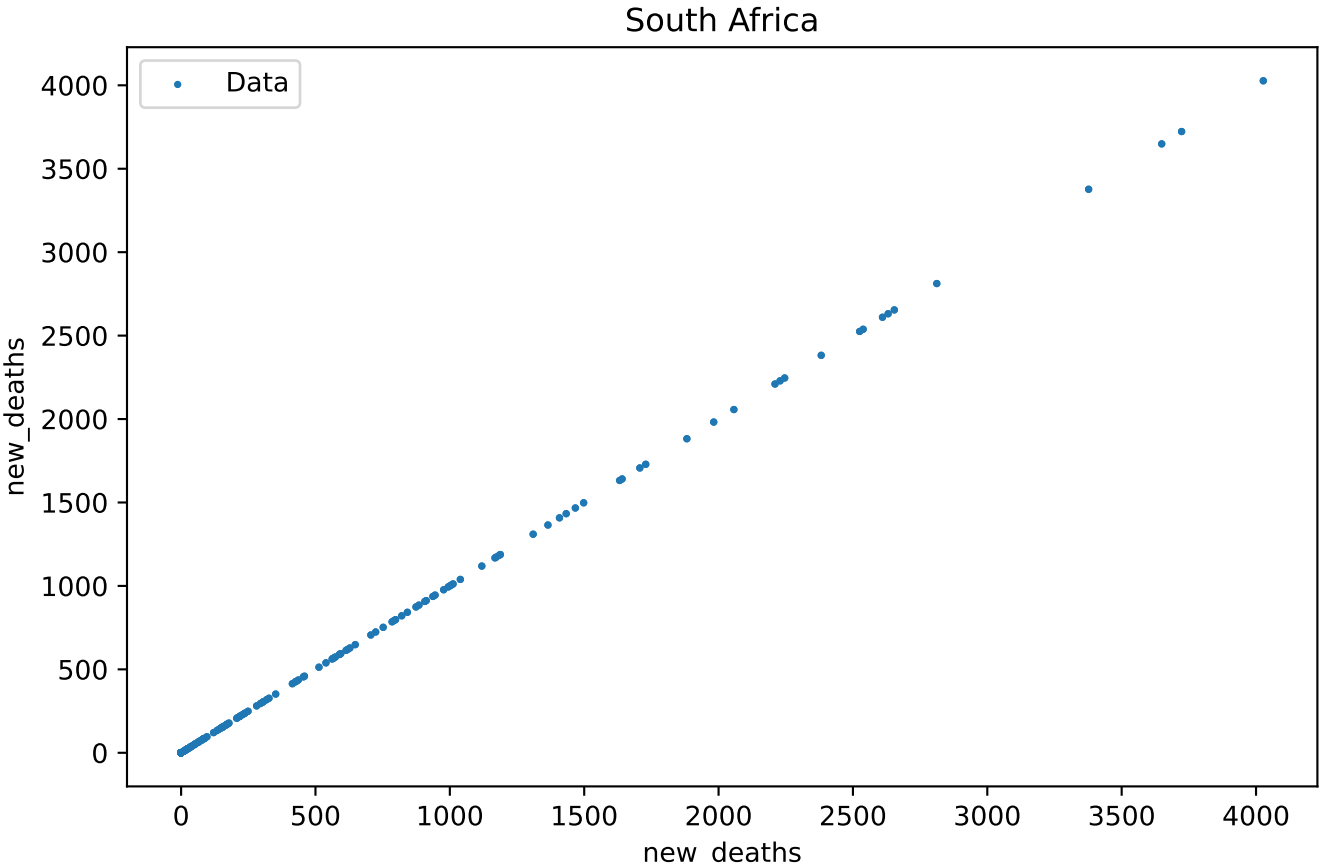
0.4
0.6
0.8
1.0
1.2
1e6
new_cases


South Africa
Data
new_deaths
new_deaths
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3500
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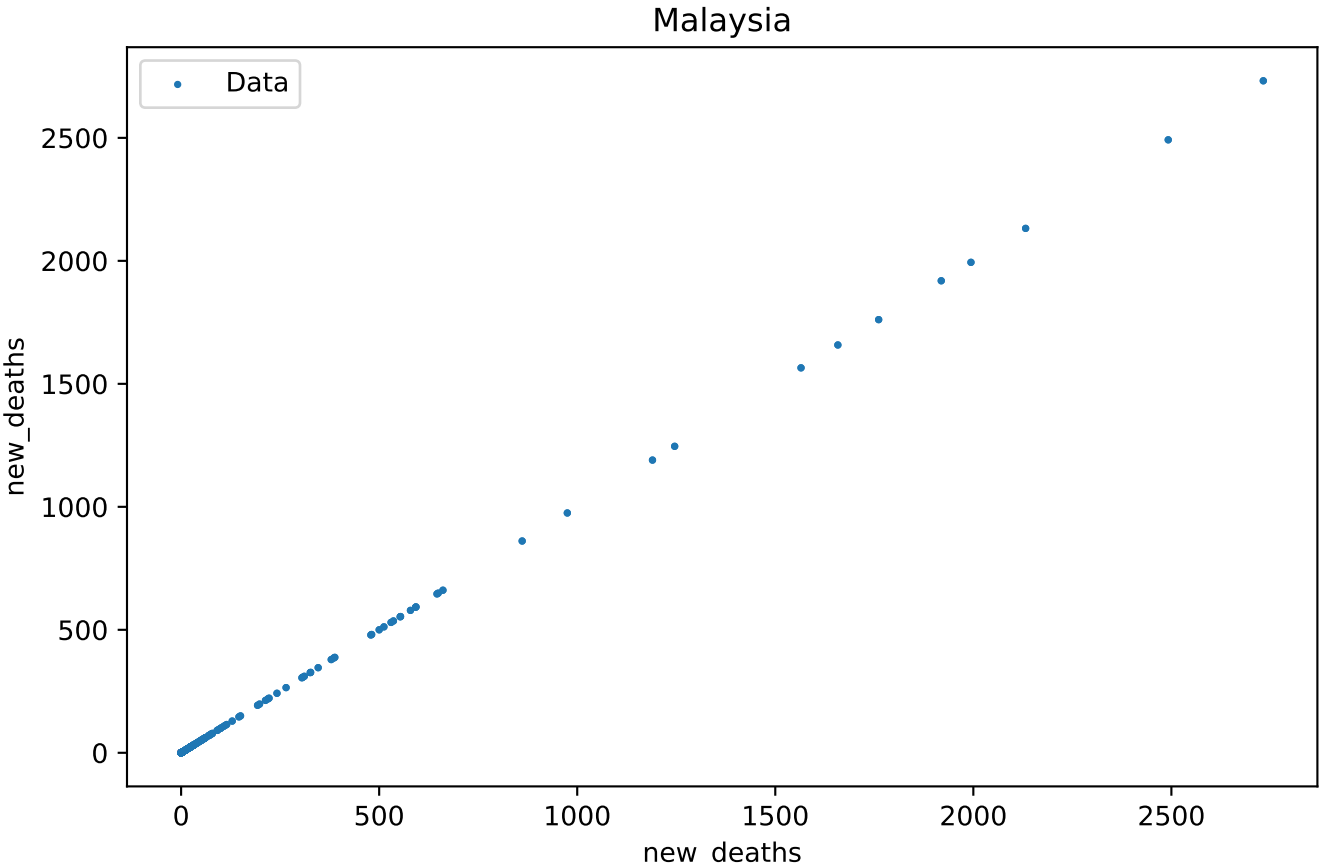
Malaysia
Data
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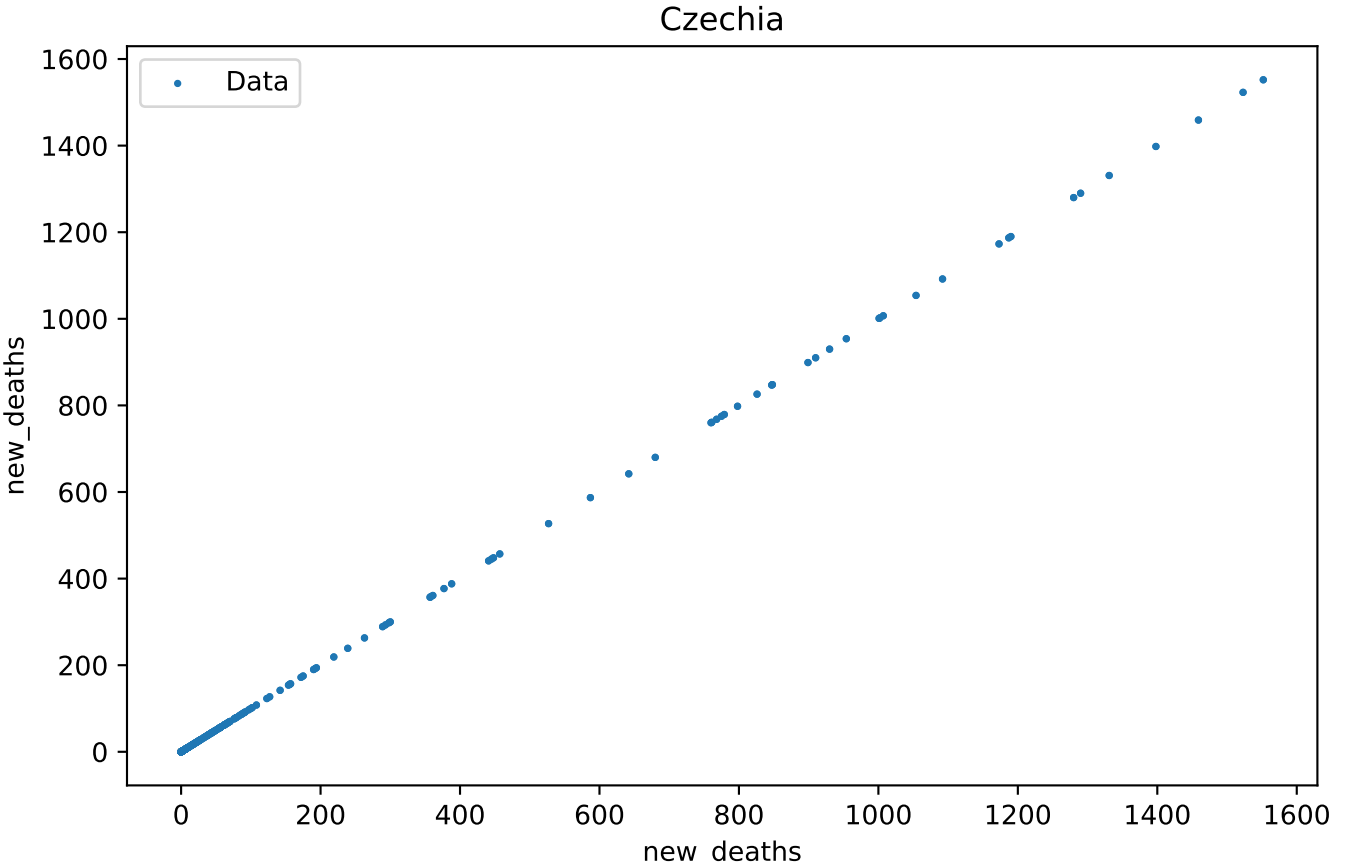
2000
1500
1000
500
0
new_deaths
0
500
1000
1500
2000
2500
new_deaths


Czechia
Data
new_deaths
new_deaths
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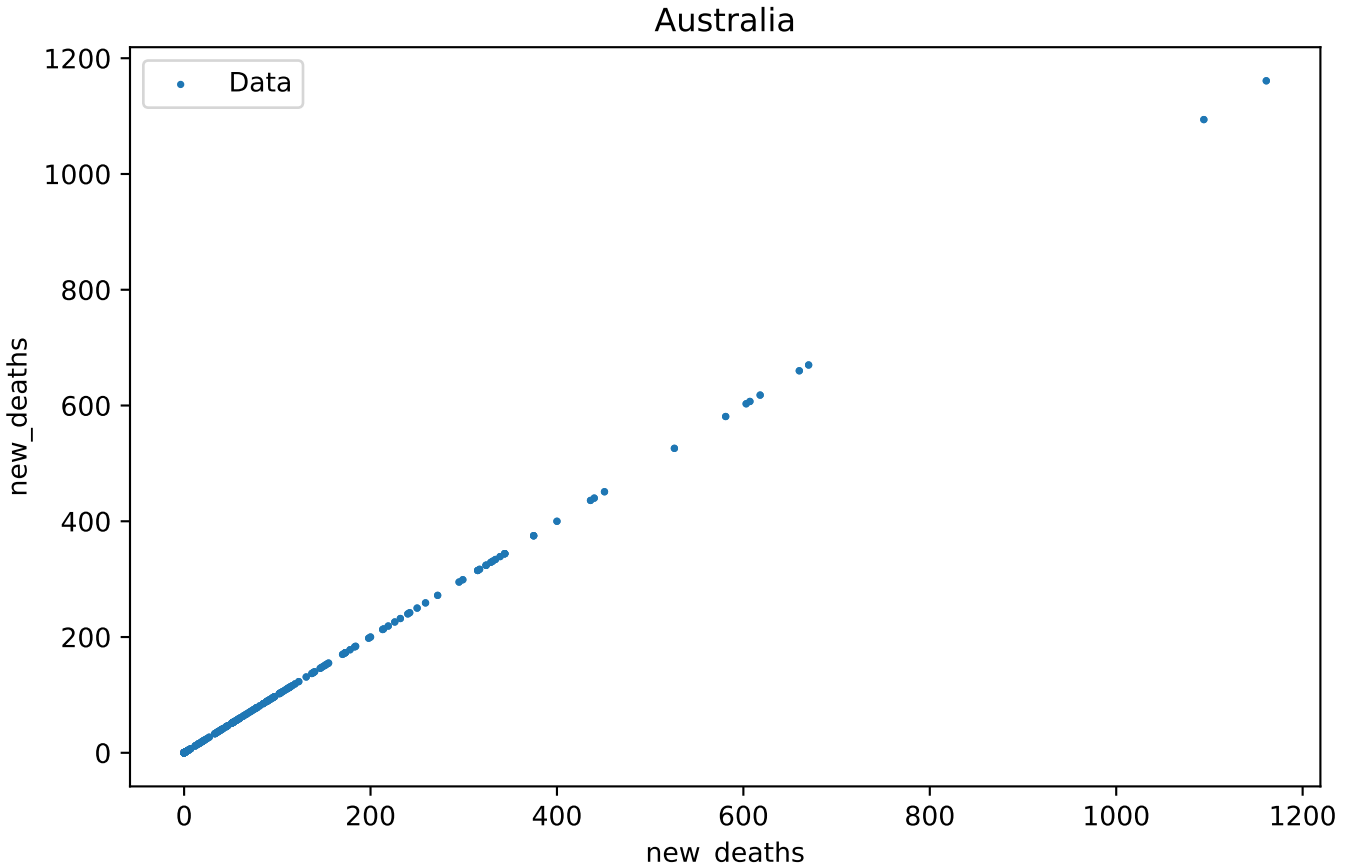
1600


Australia
Data
new_deaths
new_deaths
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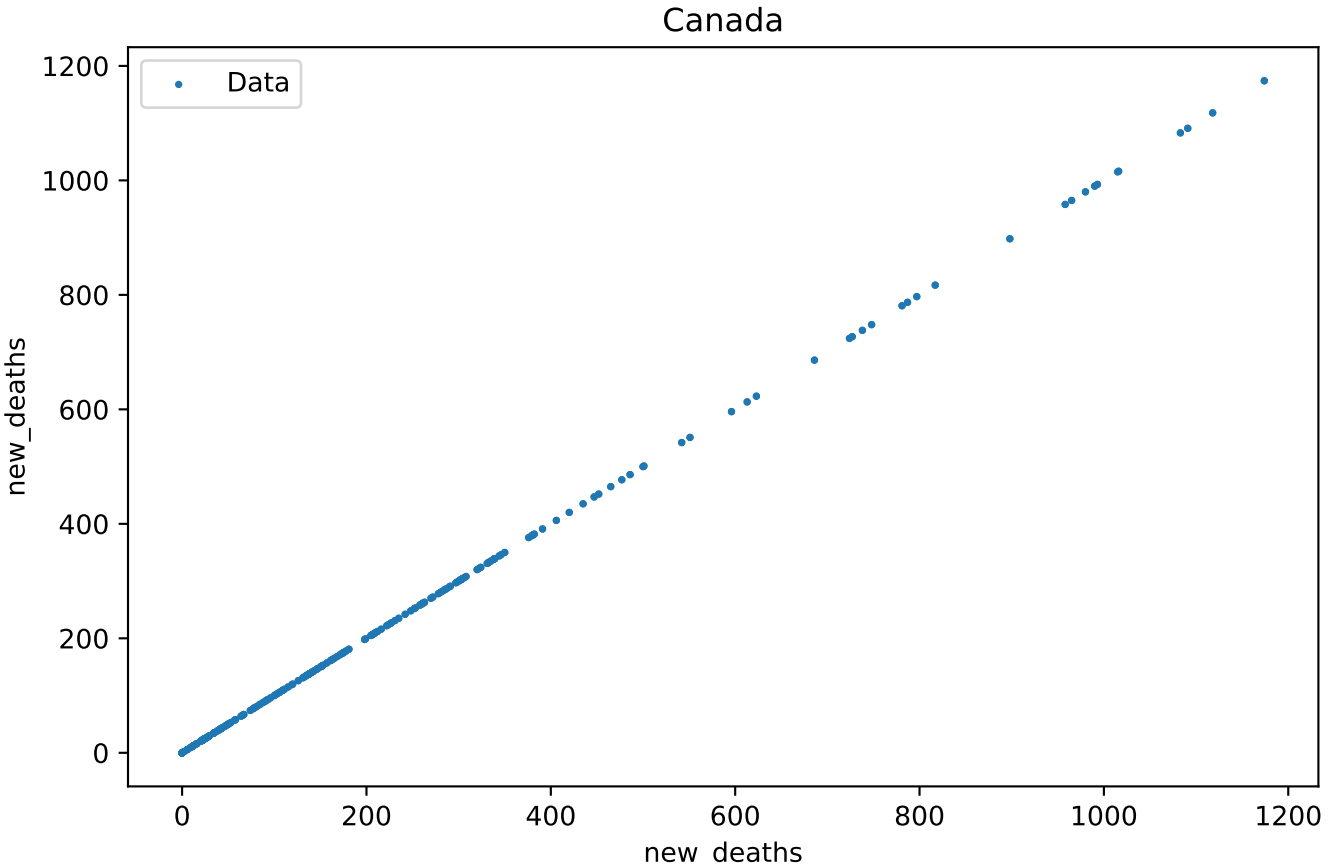
600
800
1000
1200


Canada
Data
new_deaths
new_deaths
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1000
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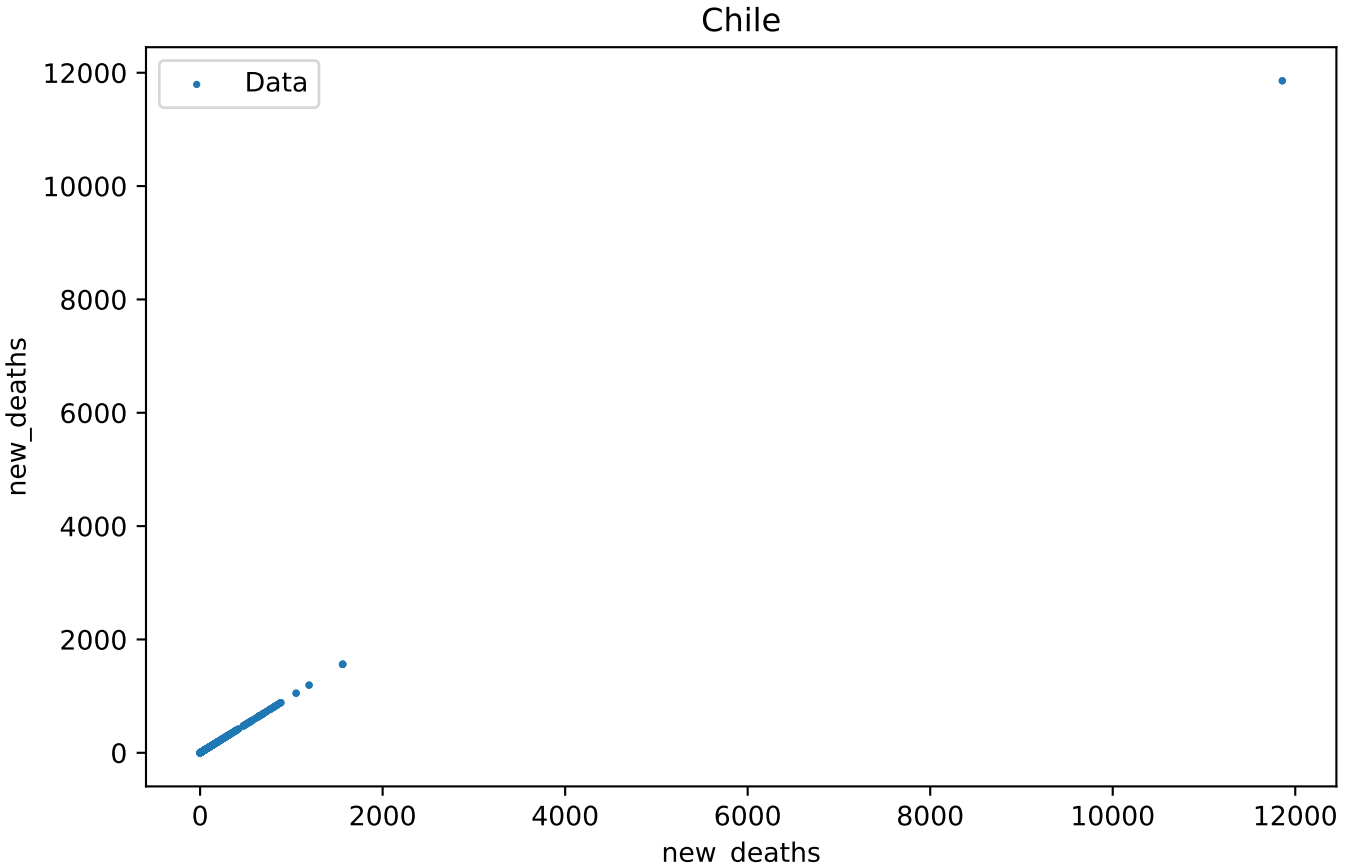
Chile
Data
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new_deaths
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2000
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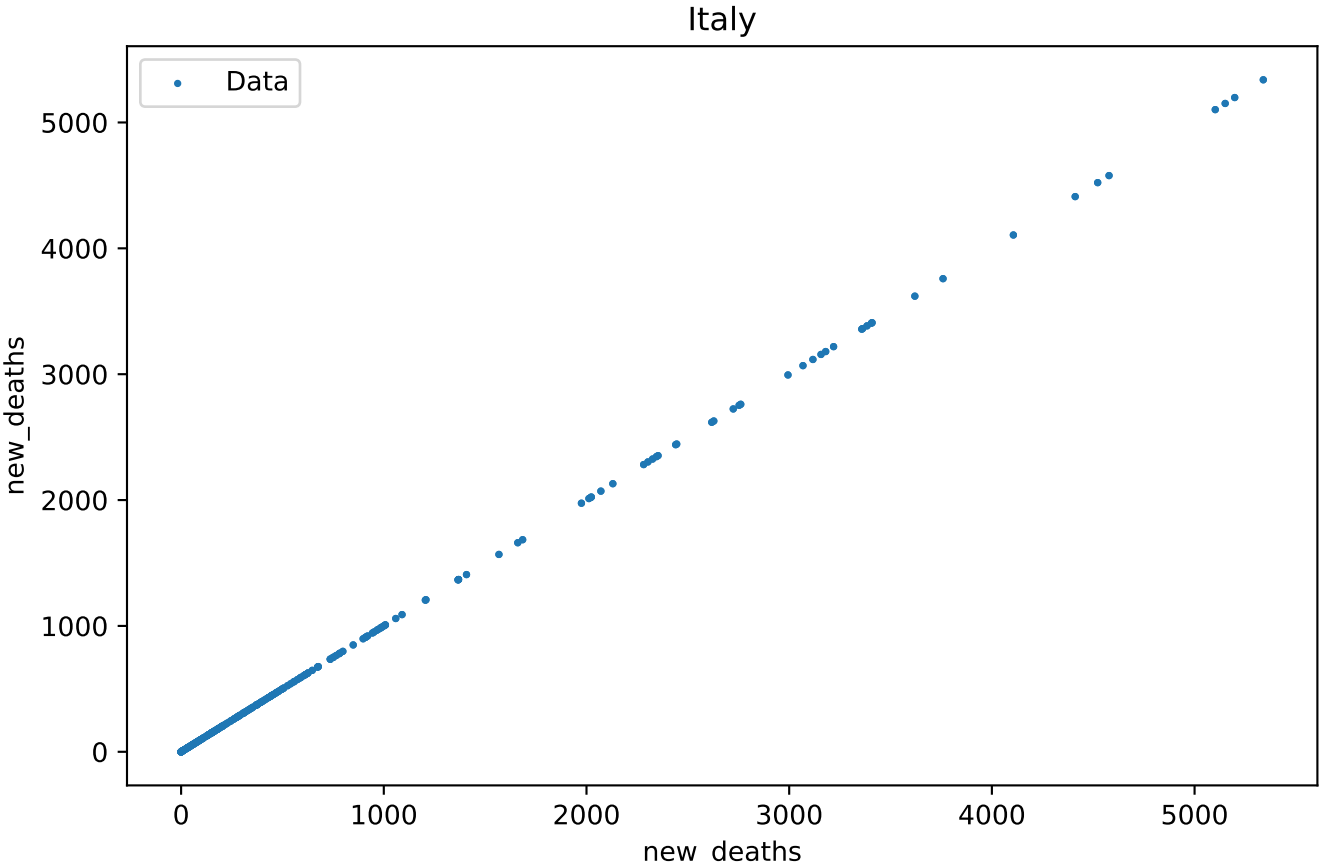
8000
10000
12000
new_deaths


Italy
Data
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new_deaths
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1000
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4000
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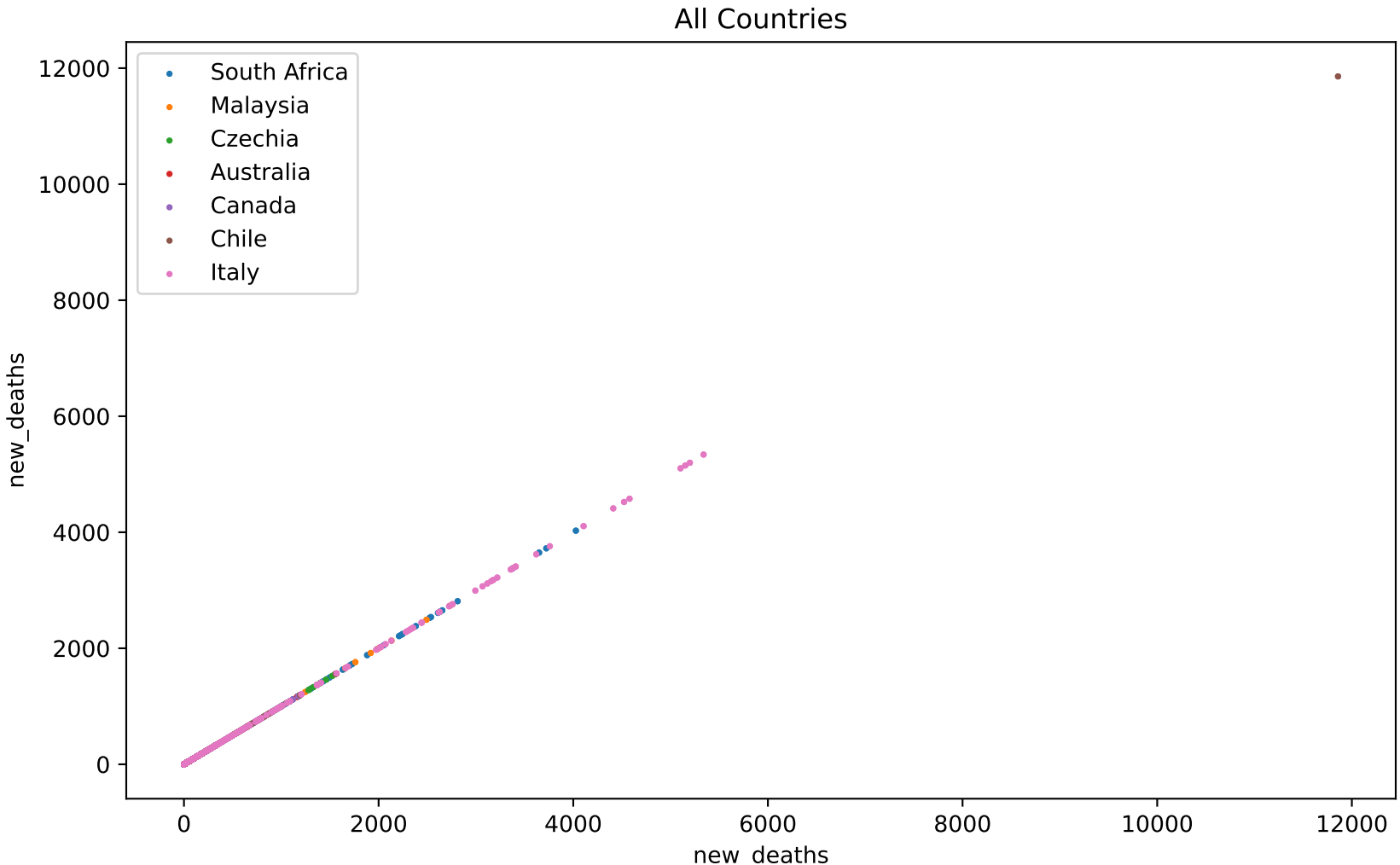
new_deaths


All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
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new_deaths
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4000
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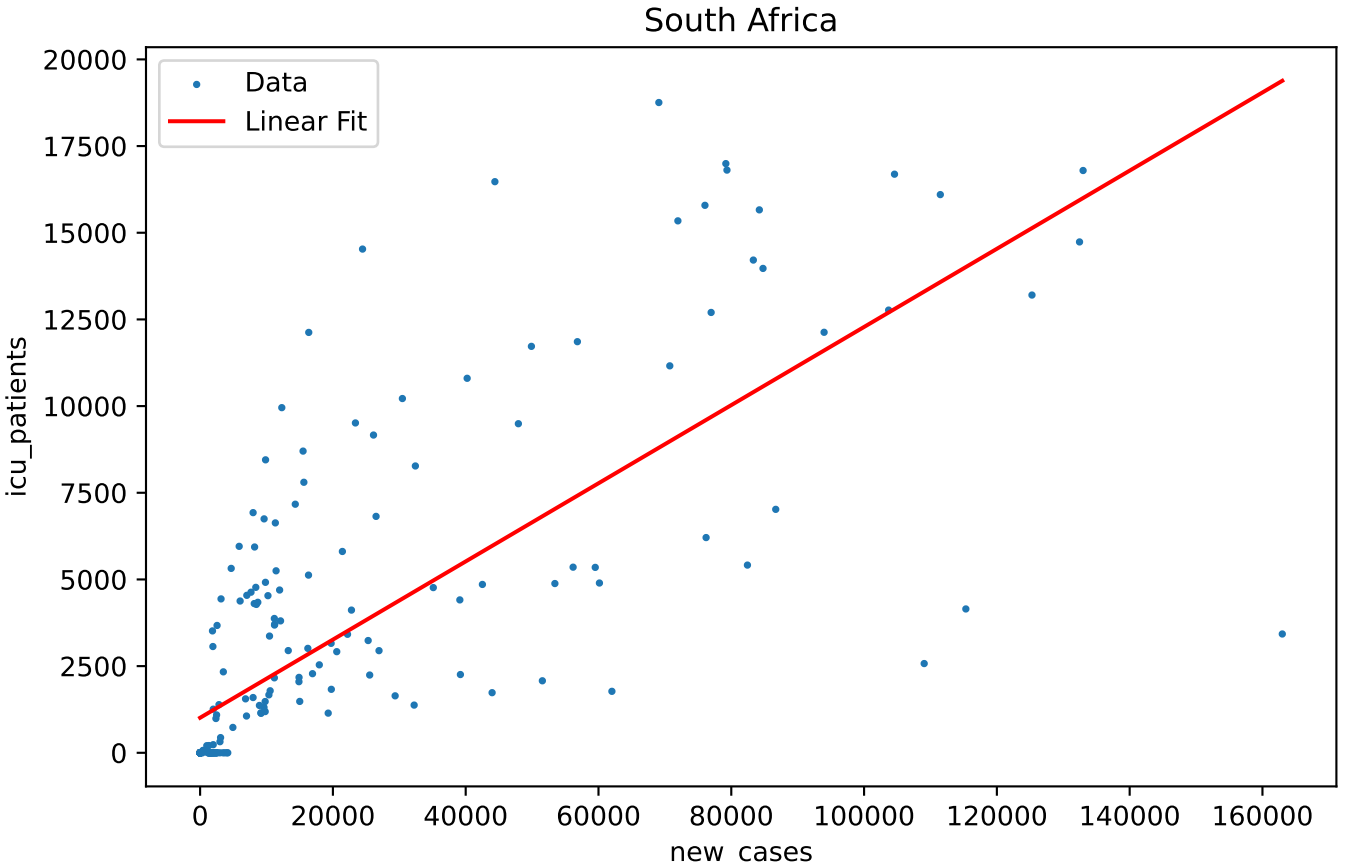
10000
12000
new_deaths


South Africa
Data
Linear Fit
icu_patients
new_cases
20000
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5000
2500
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120000
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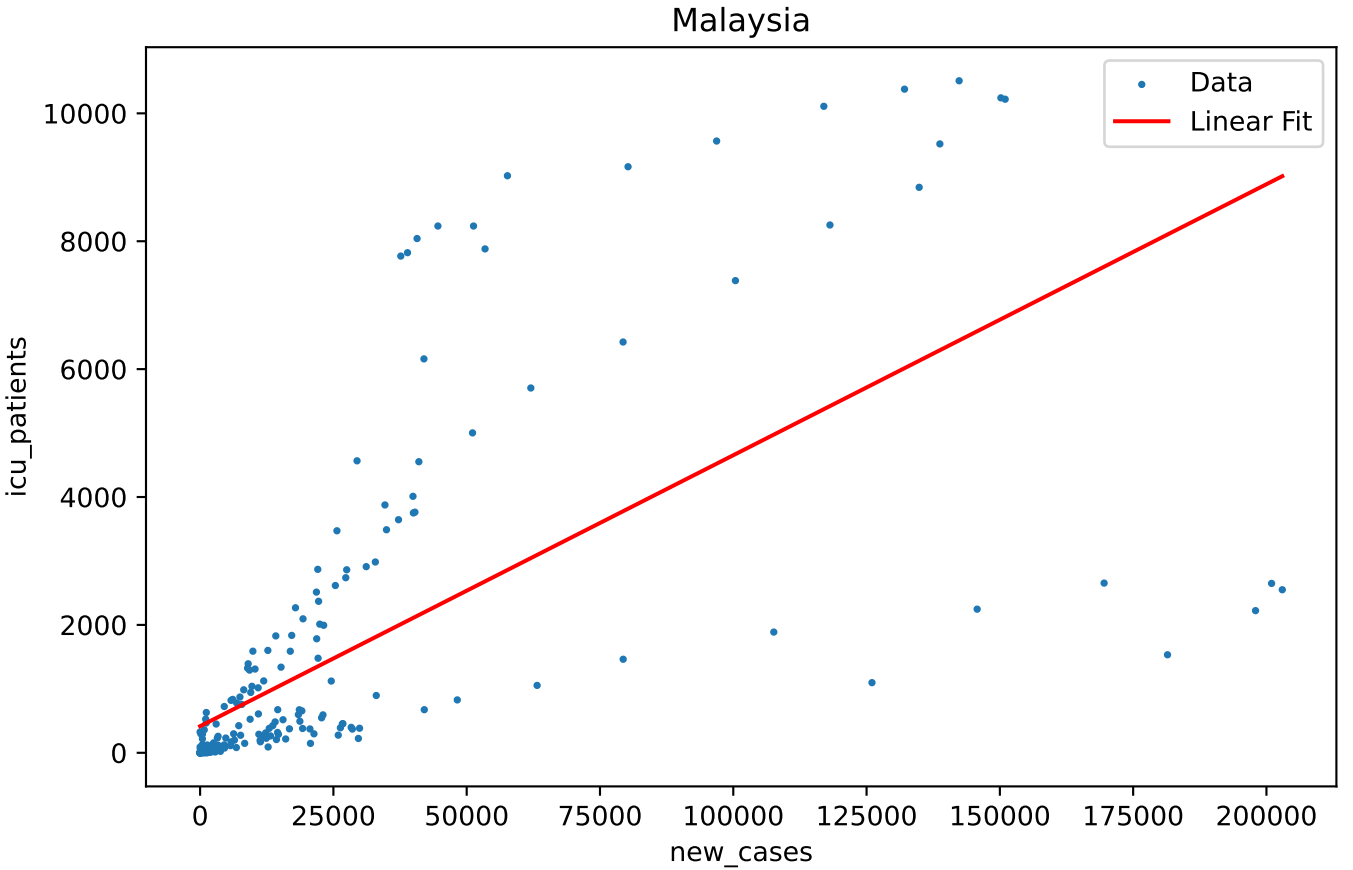
Malaysia
Data
Linear Fit
icu_patients
new_cases
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175000
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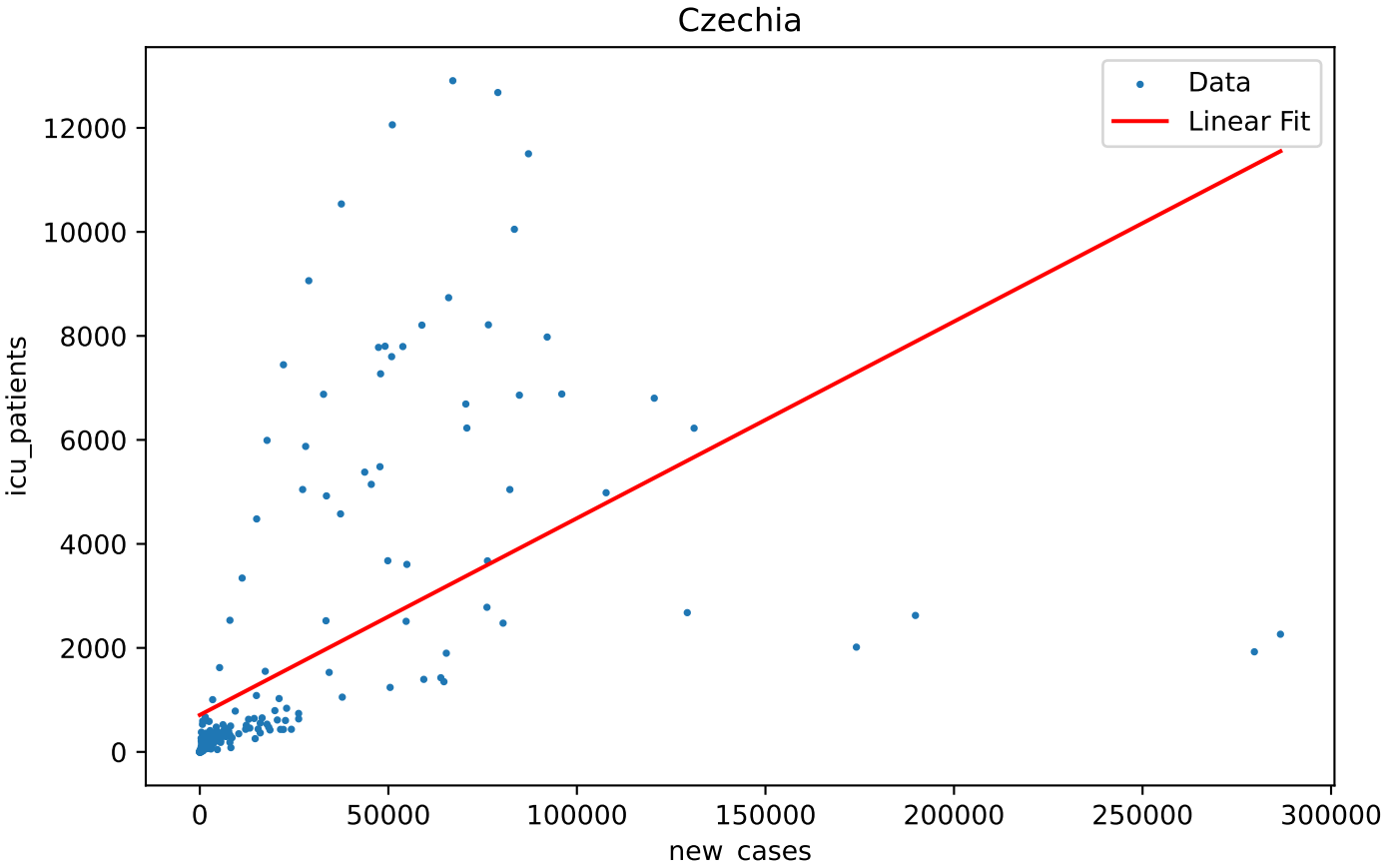
Czechia
Data
Linear Fit
icu_patients
new_cases
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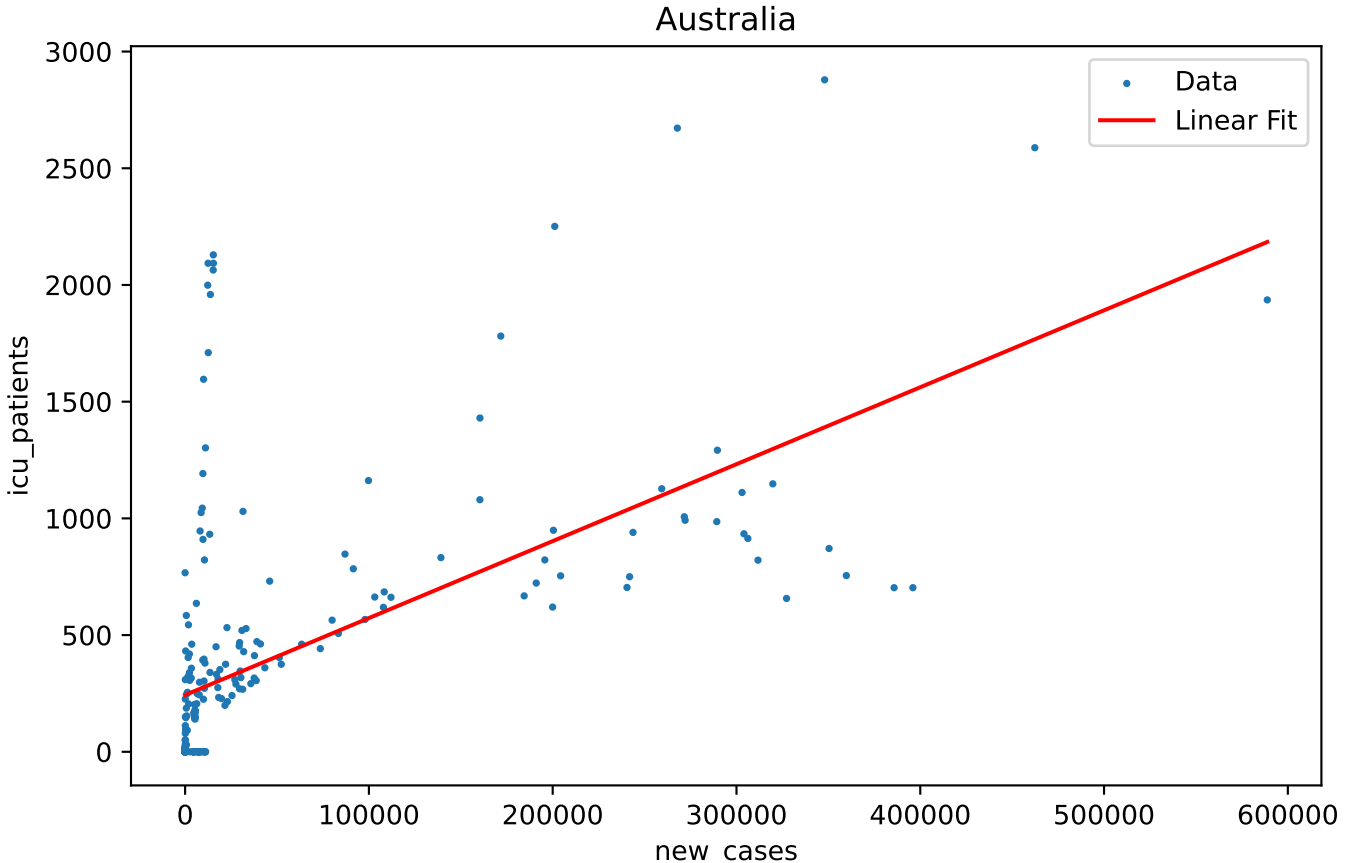
Australia
Data
Linear Fit
icu_patients
new_cases
3000
2500
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0
100000
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500000
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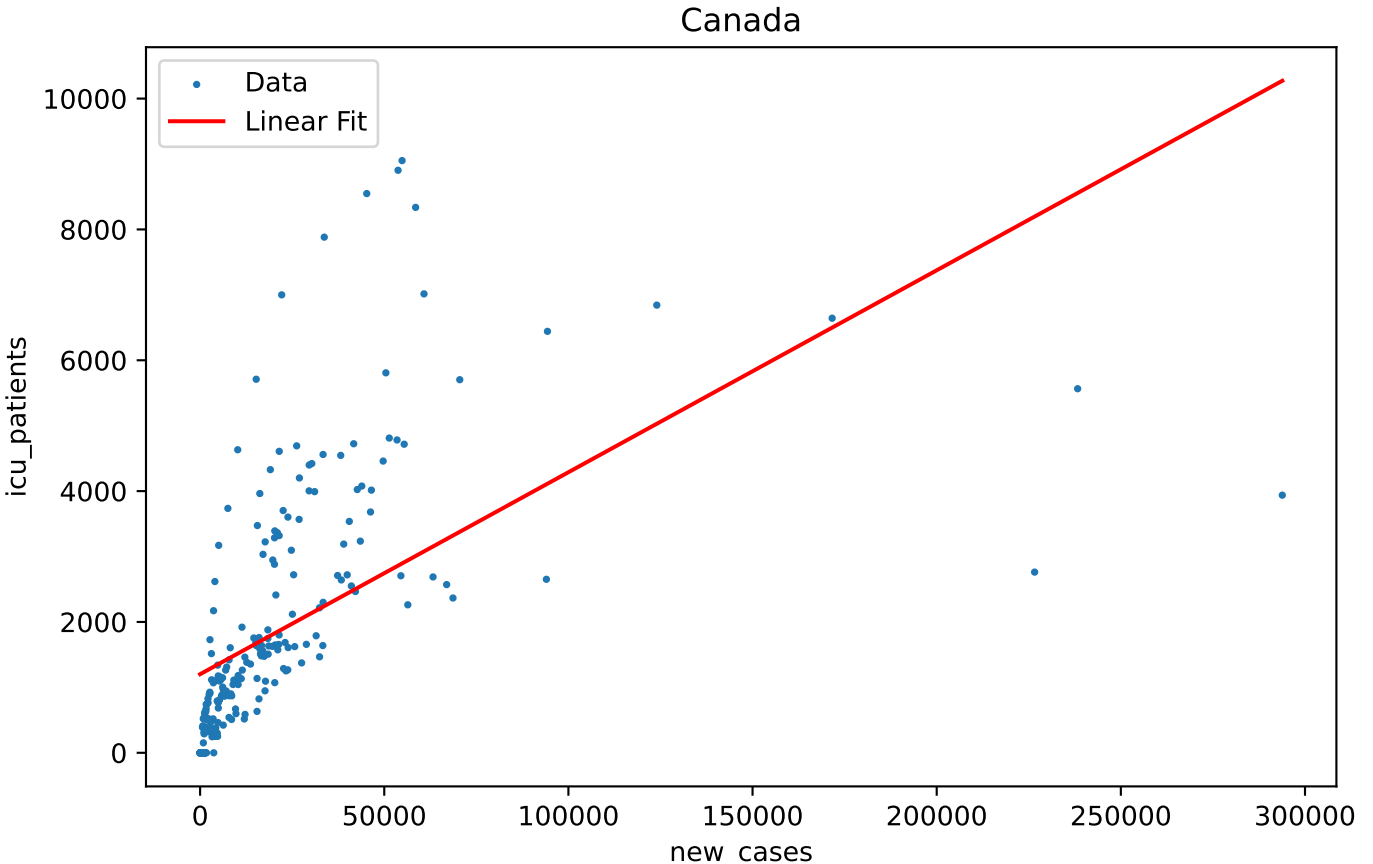
Canada
Data
Linear Fit
icu_patients
new_cases
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10000
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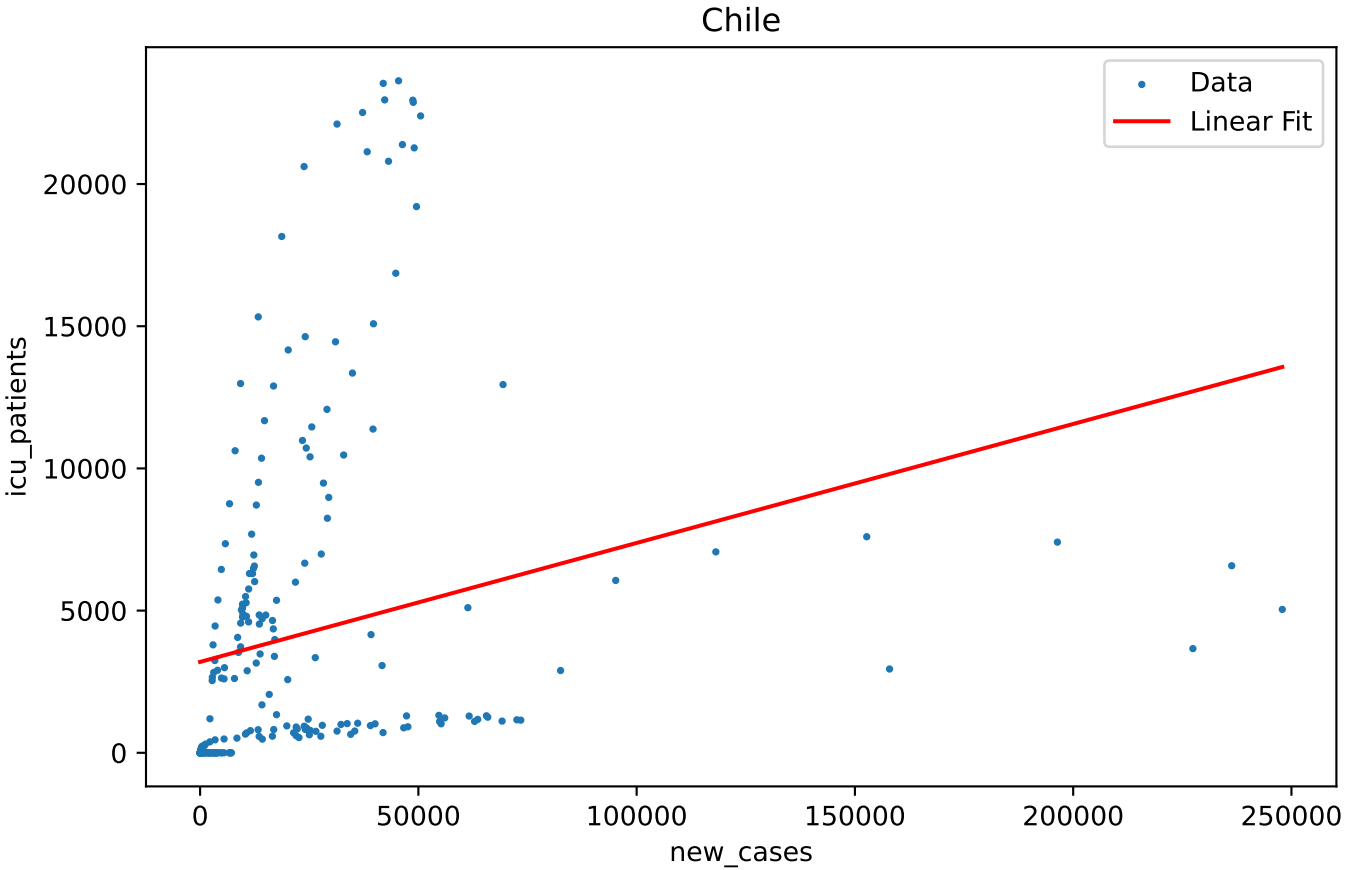
200000
250000
300000


Chile
Data
Linear Fit
icu_patients
new_cases
0
5000
10000
15000
20000
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50000
100000
150000
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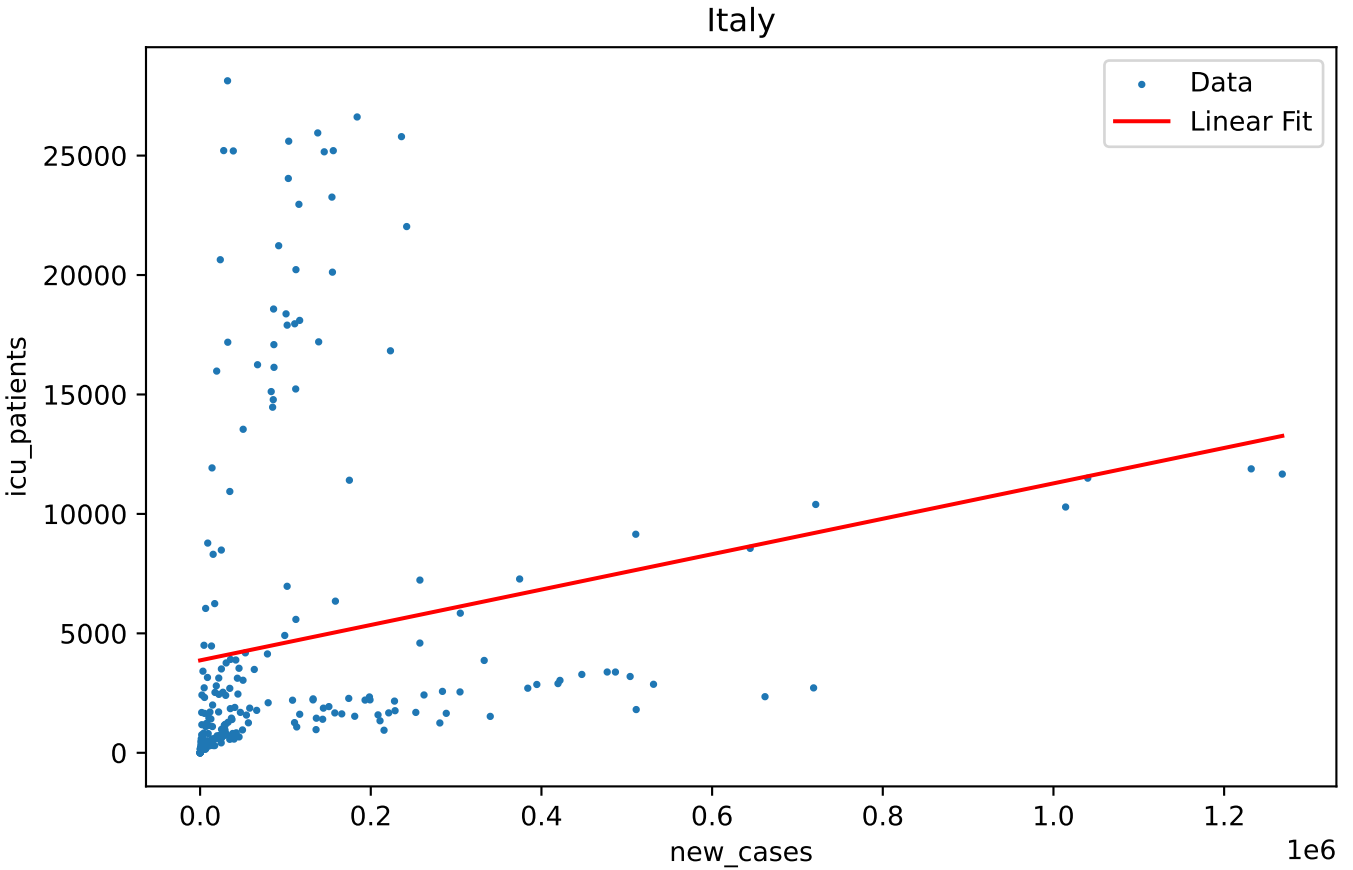
Italy
Data
Linear Fit
icu_patients
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0.8
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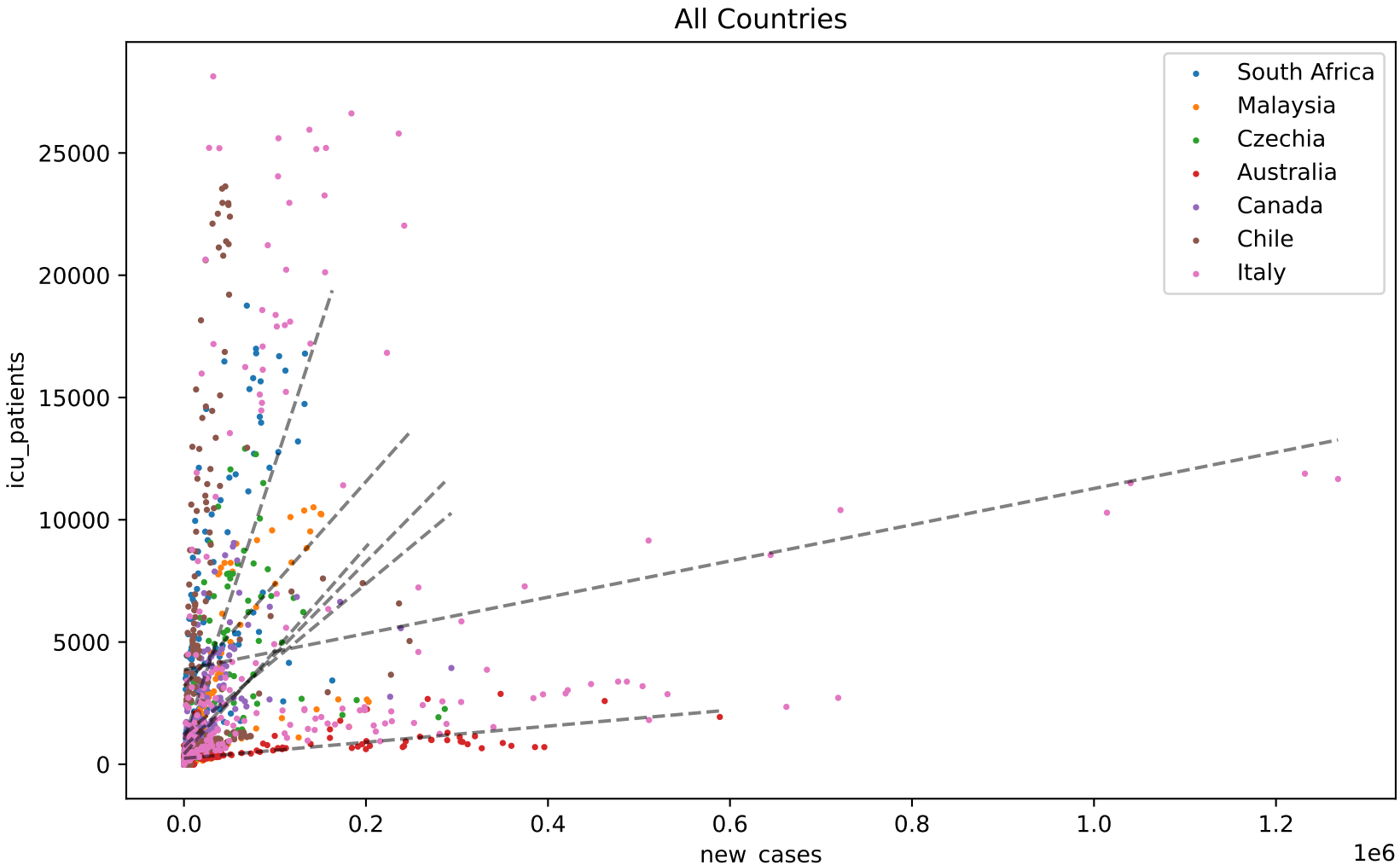
1e6
new_cases


All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
icu_patients
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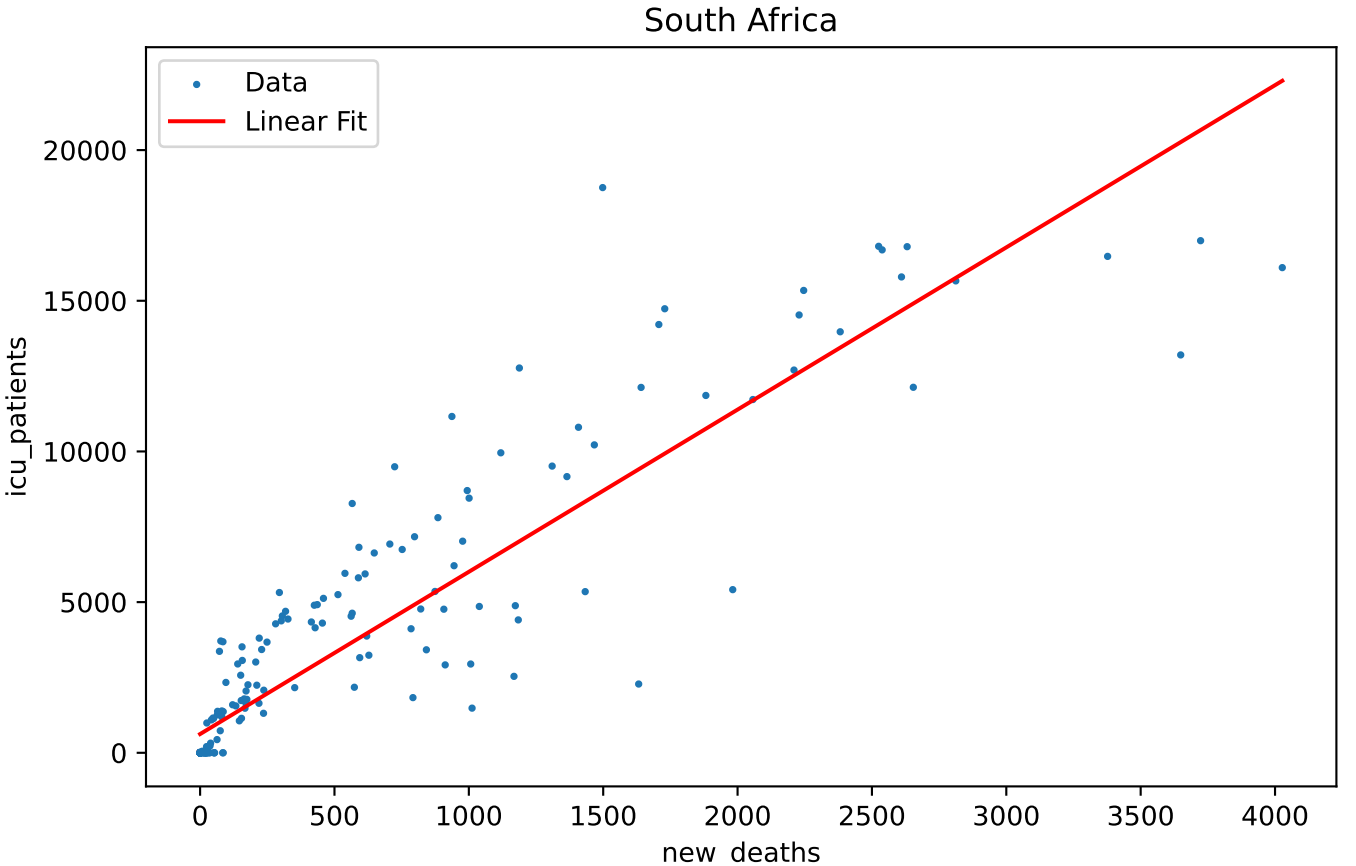
1.2
1e6
new_cases


South Africa
Data
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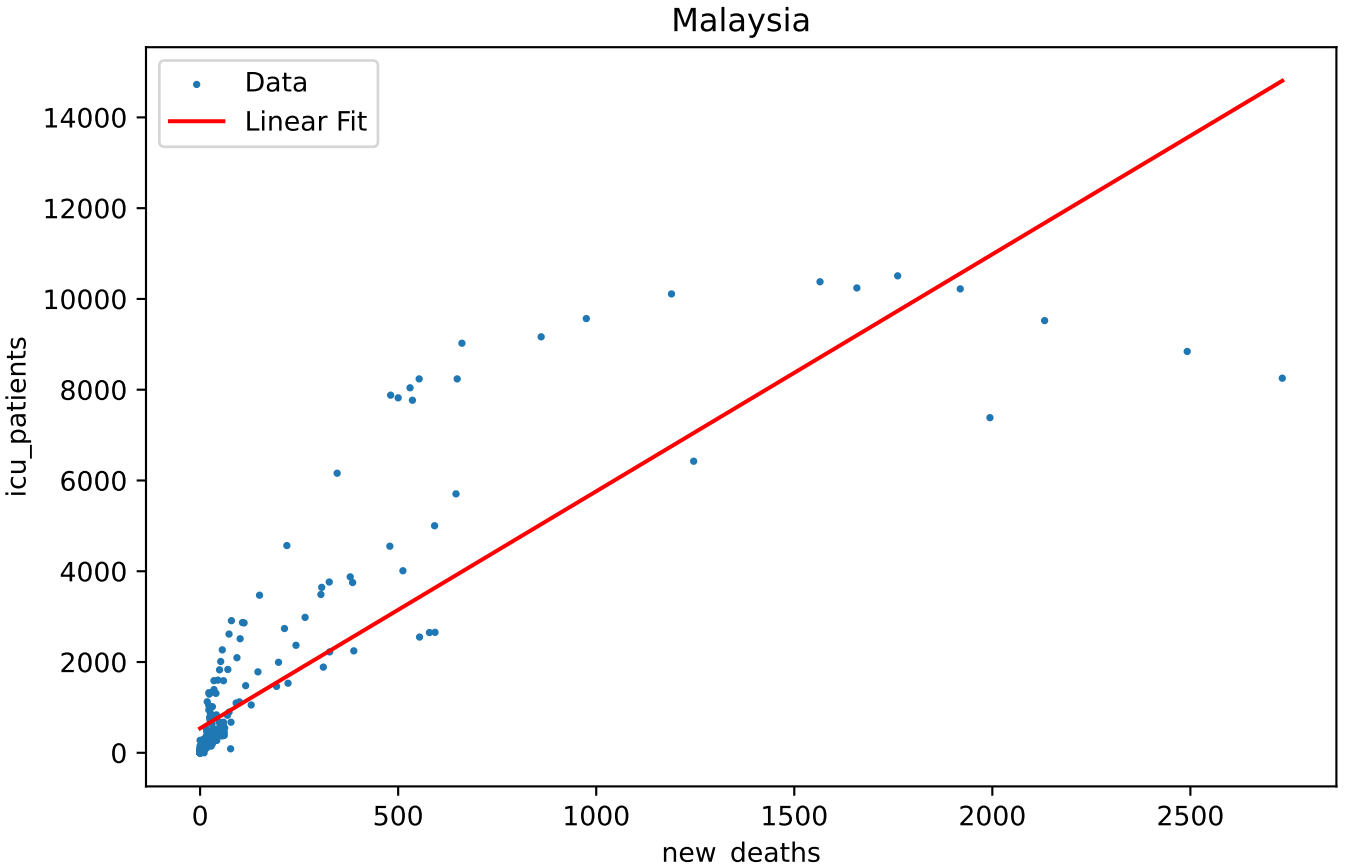
Malaysia
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new_deaths
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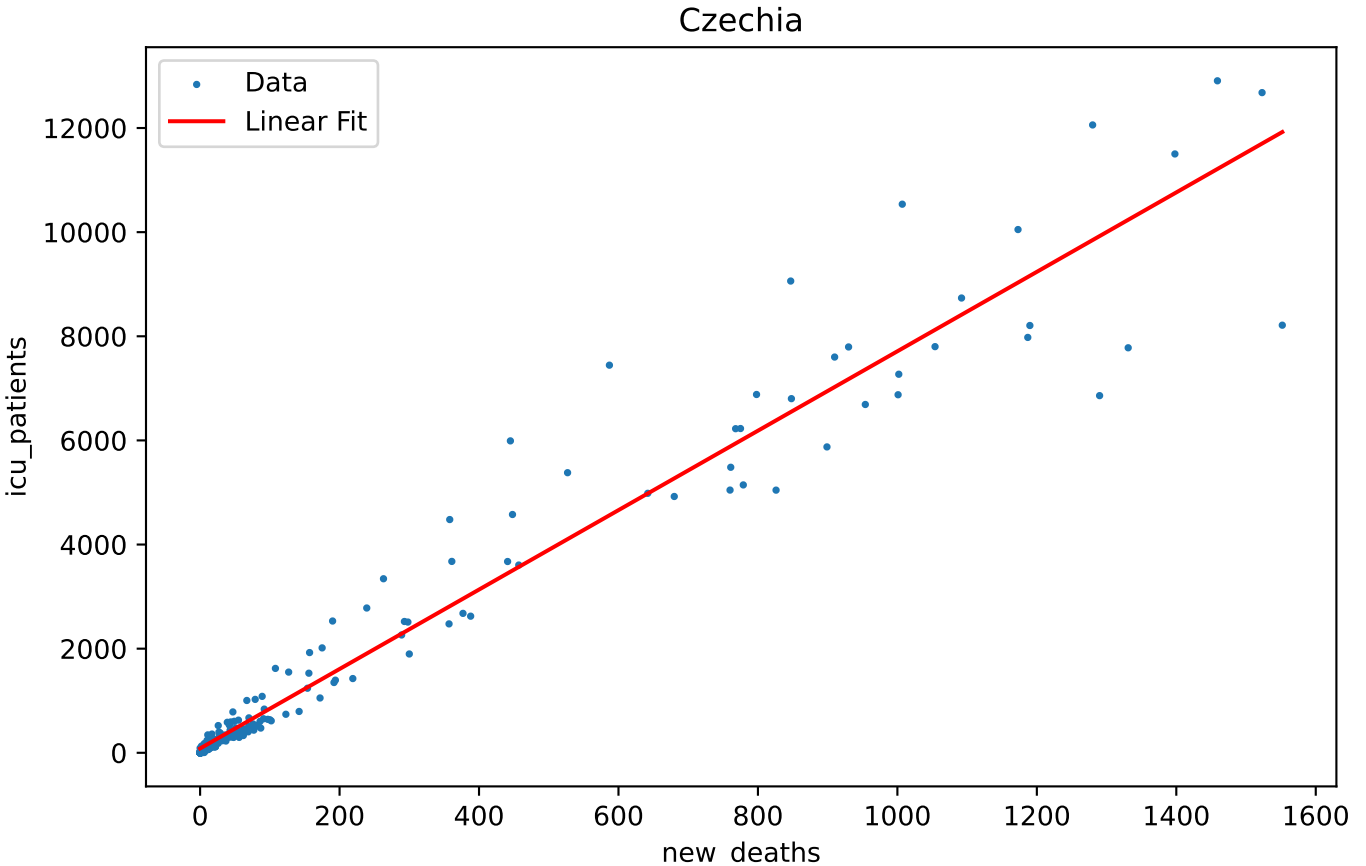
Czechia
Data
Linear Fit
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new_deaths
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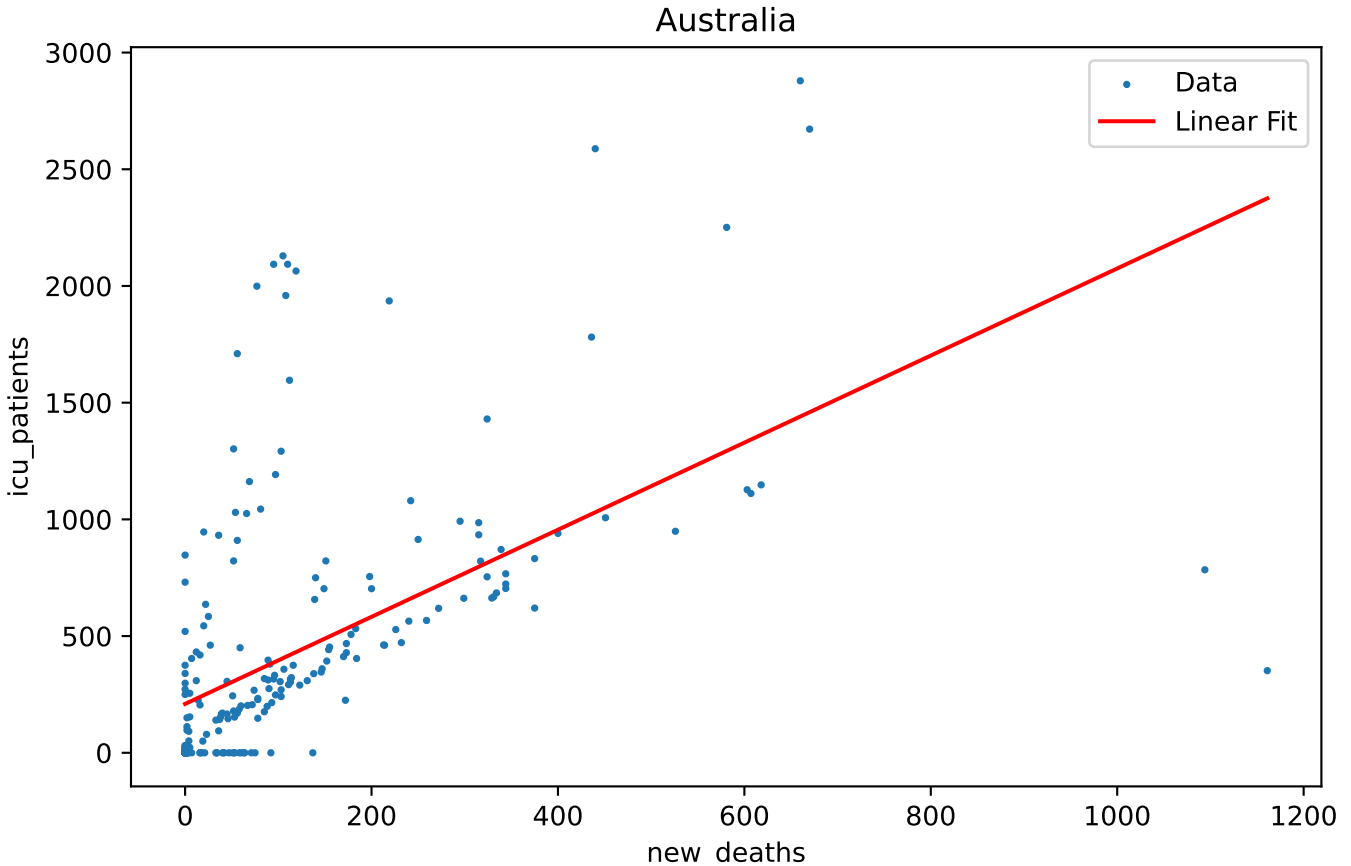
Australia
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Linear Fit
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new_deaths
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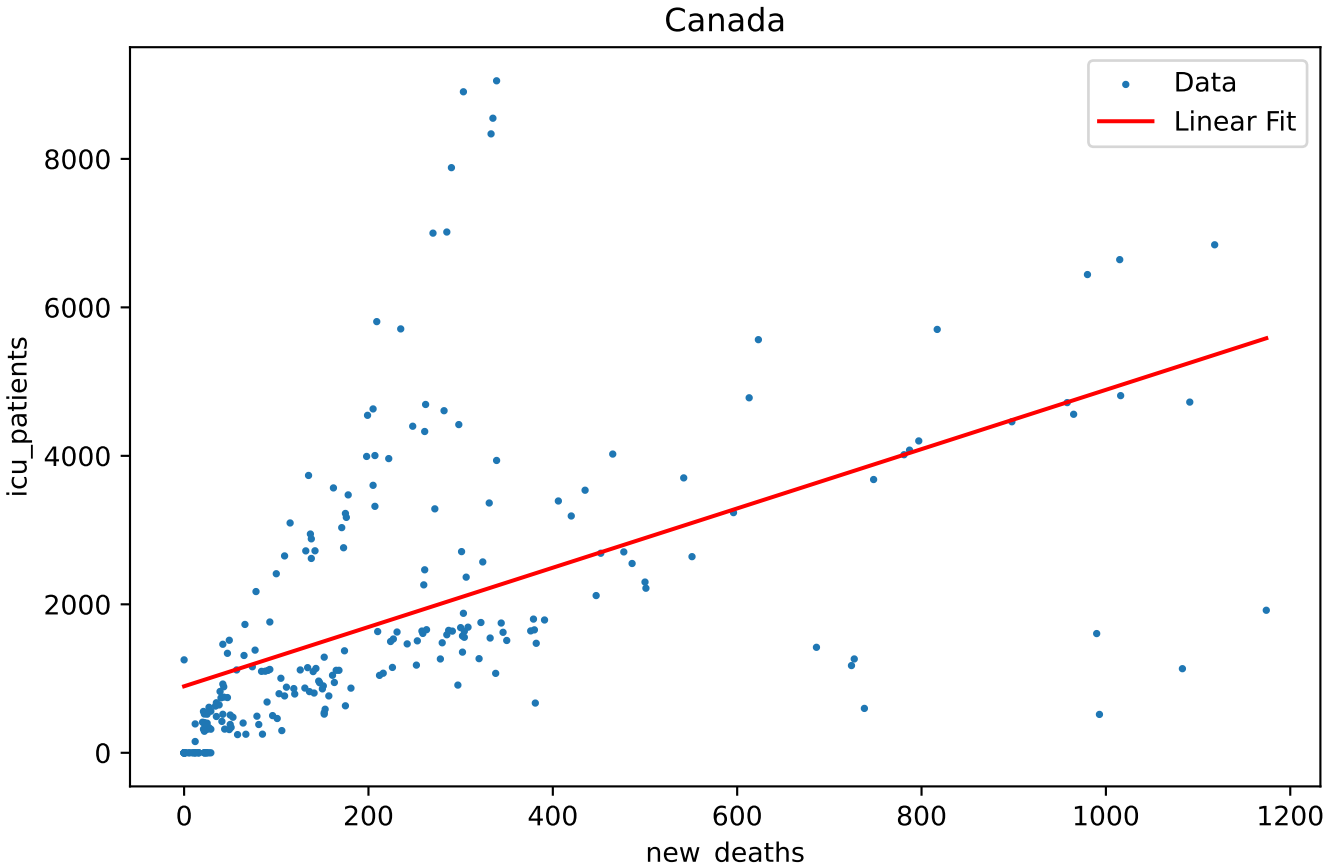
Canada
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icu_patients
new_deaths
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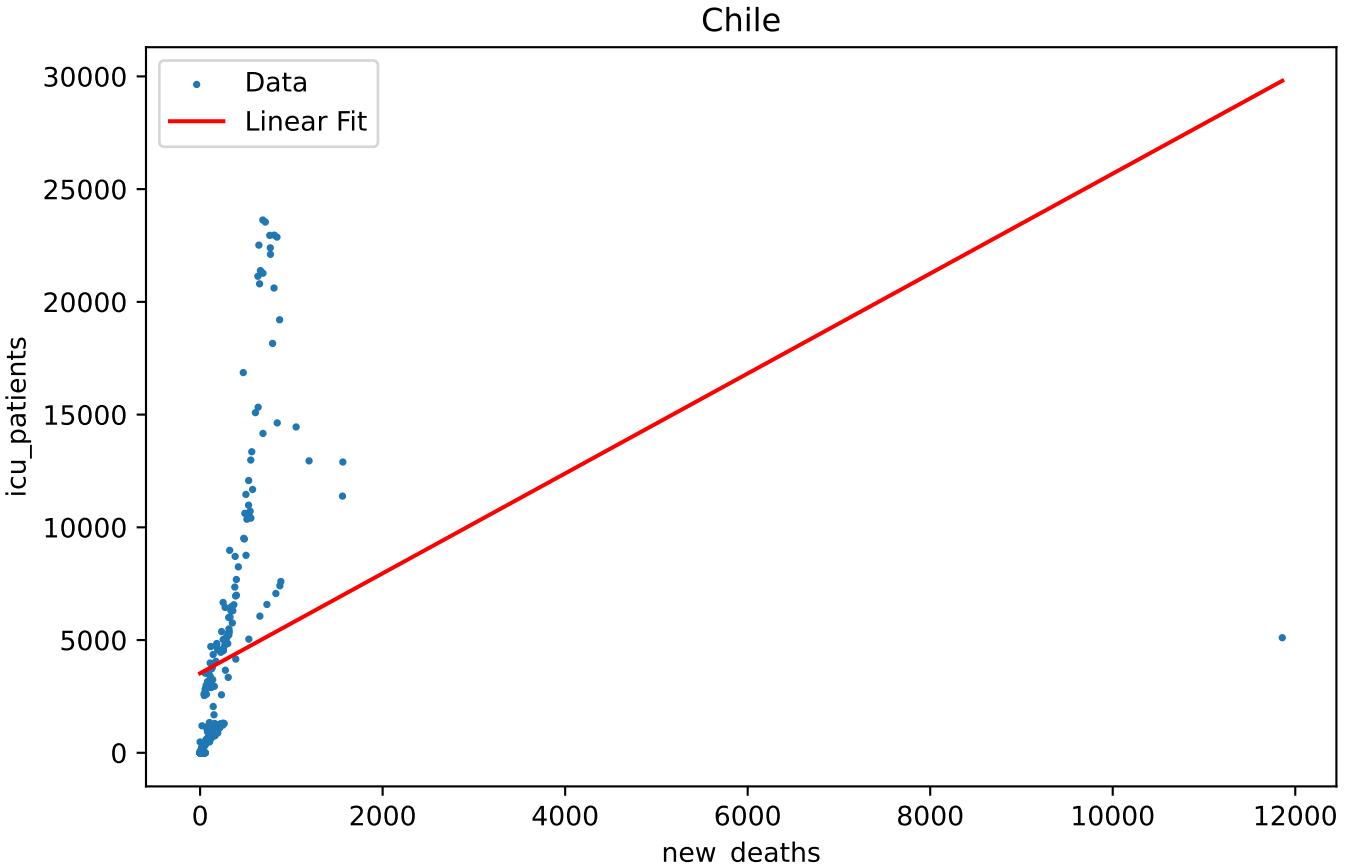
Chile
Data
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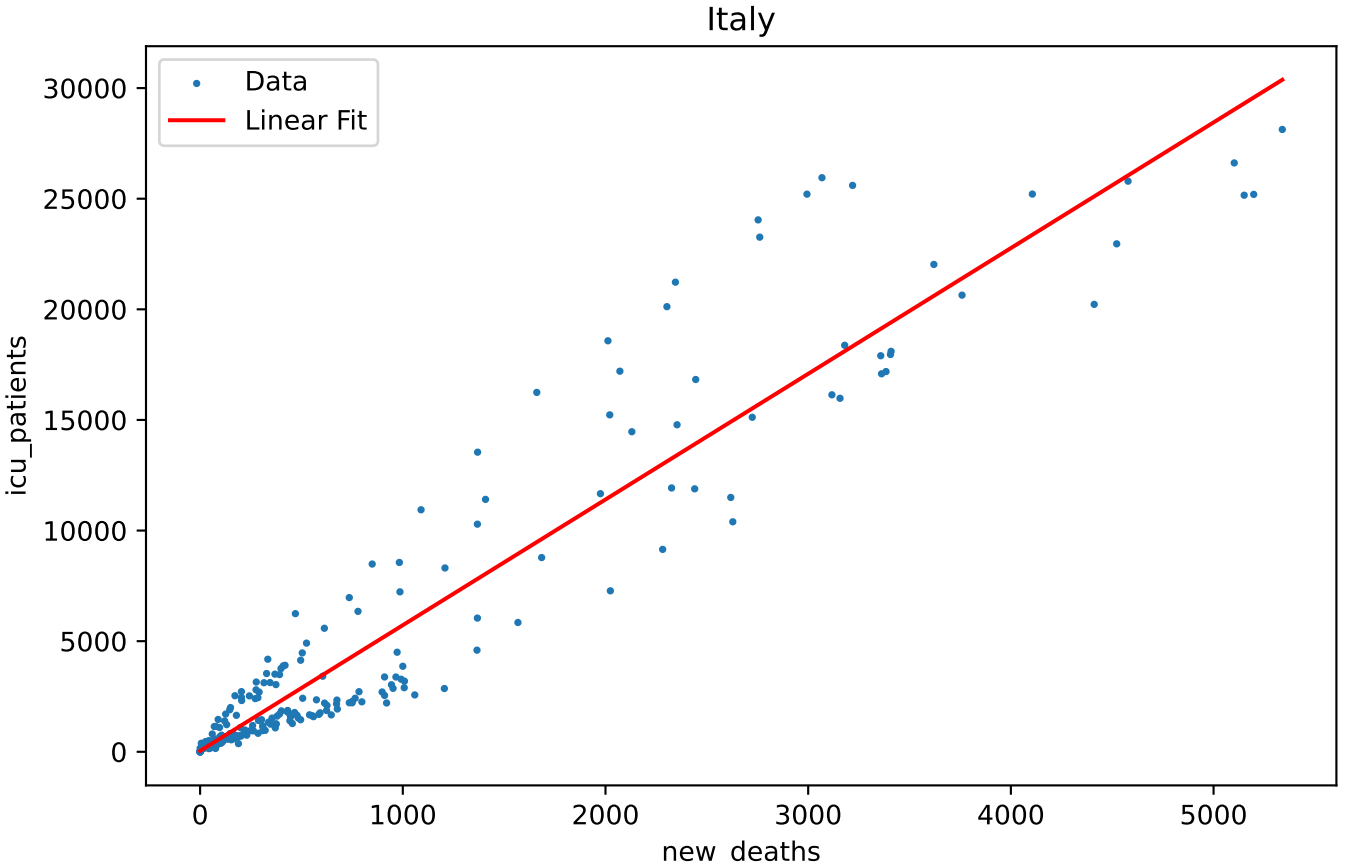
Italy
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new_deaths
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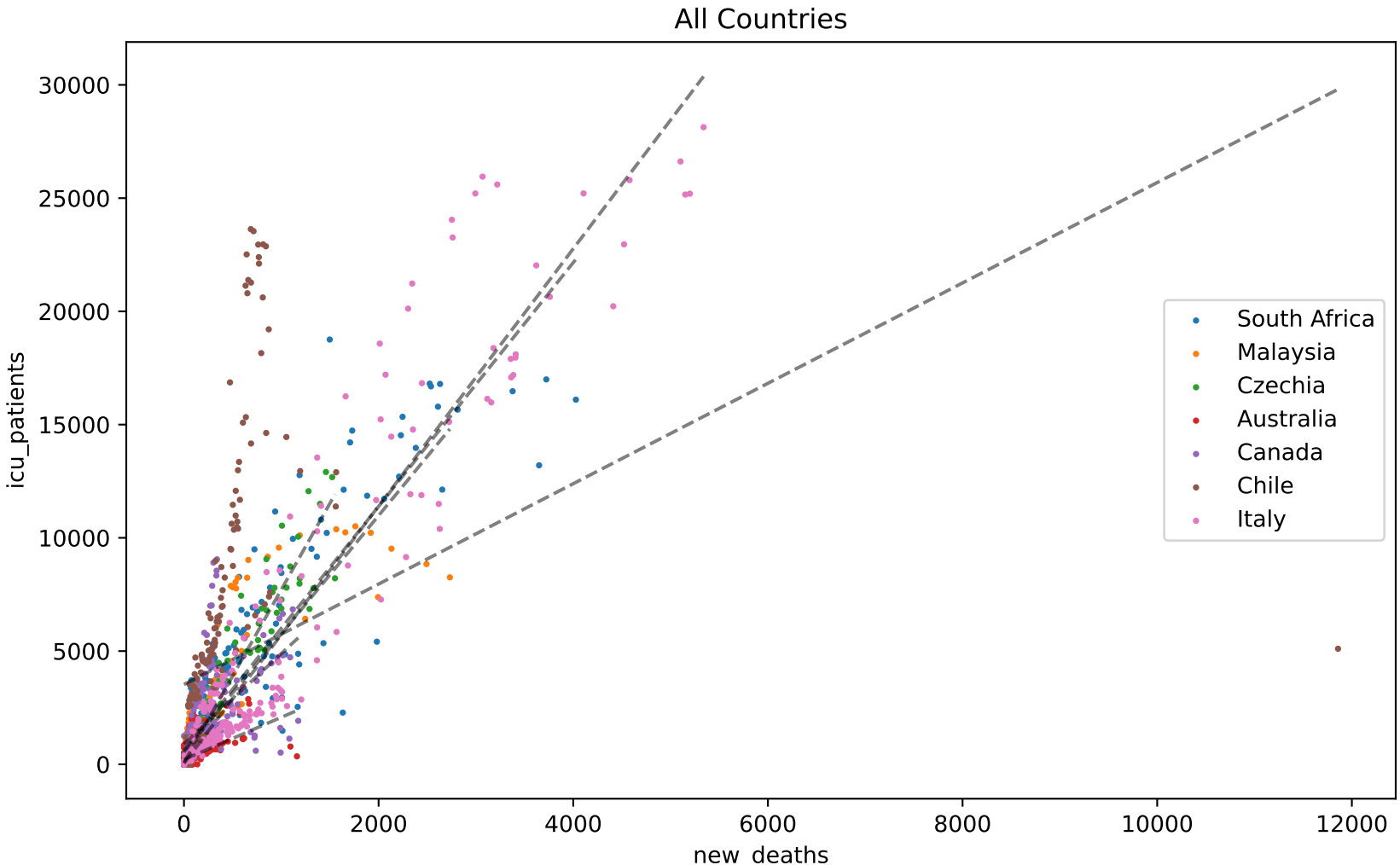
All Countries
icu_patients
new_deaths
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10000
15000
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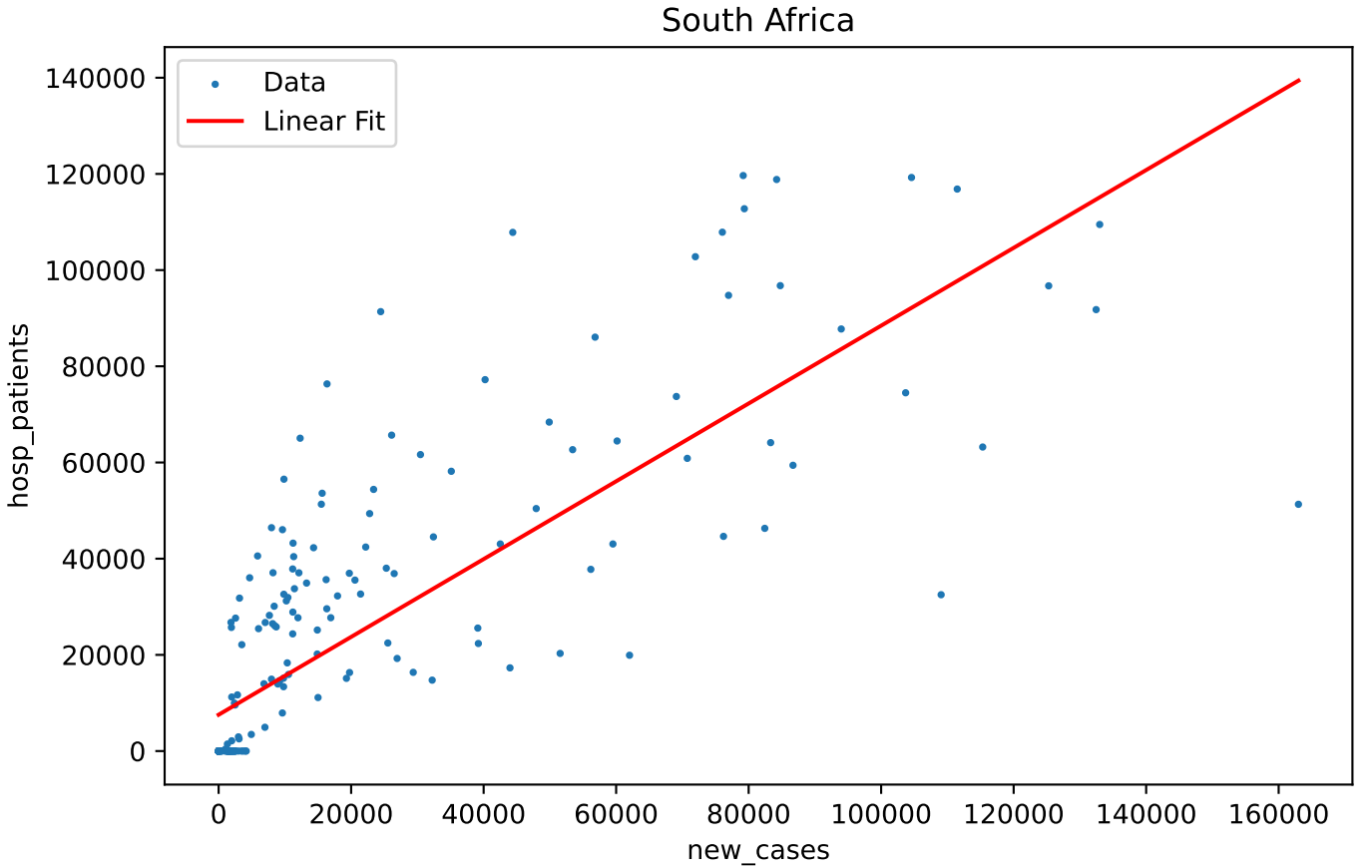
8000
10000
12000
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy


South Africa
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Linear Fit
hosp_patients
new_cases
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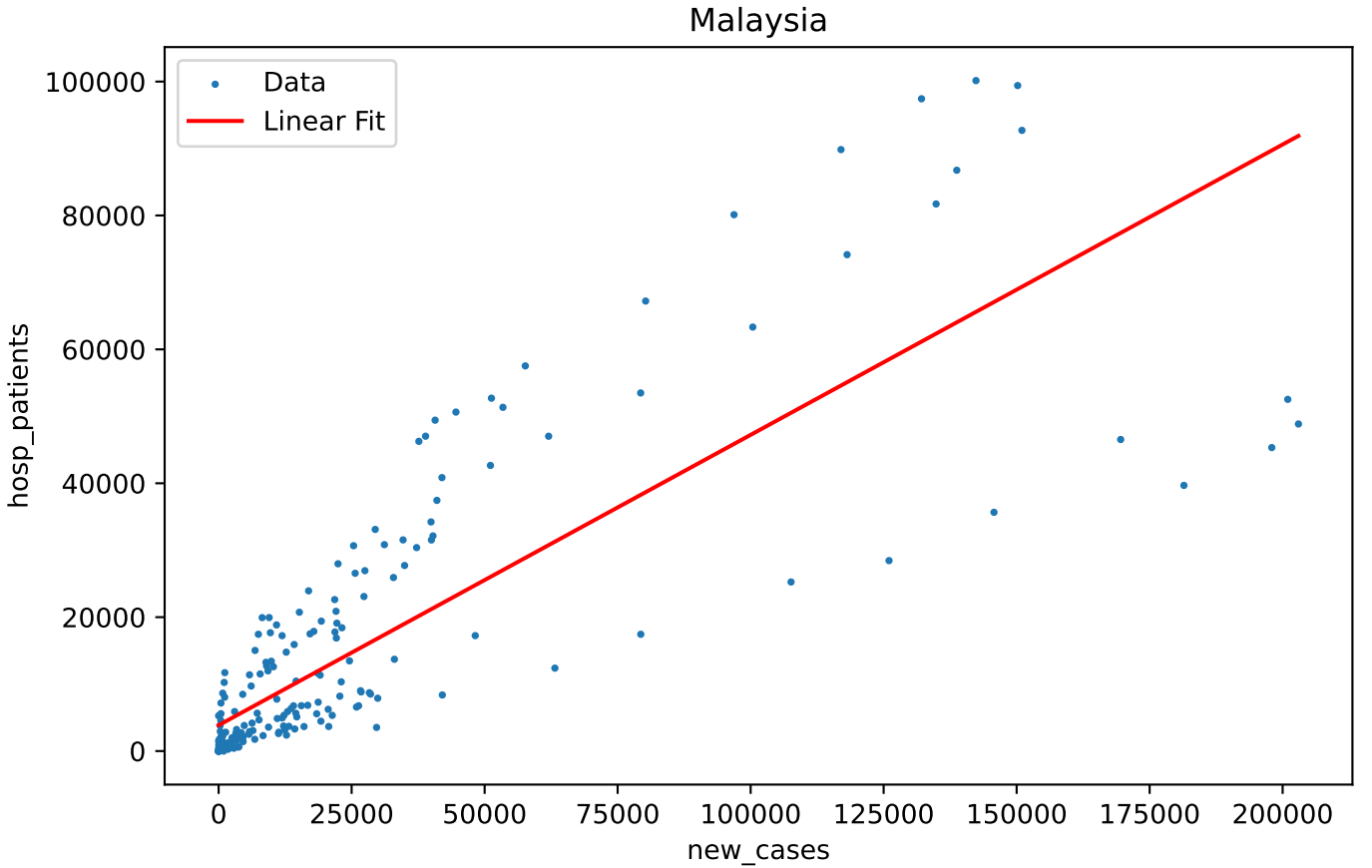
Malaysia
Data
Linear Fit
hosp_patients
new_cases
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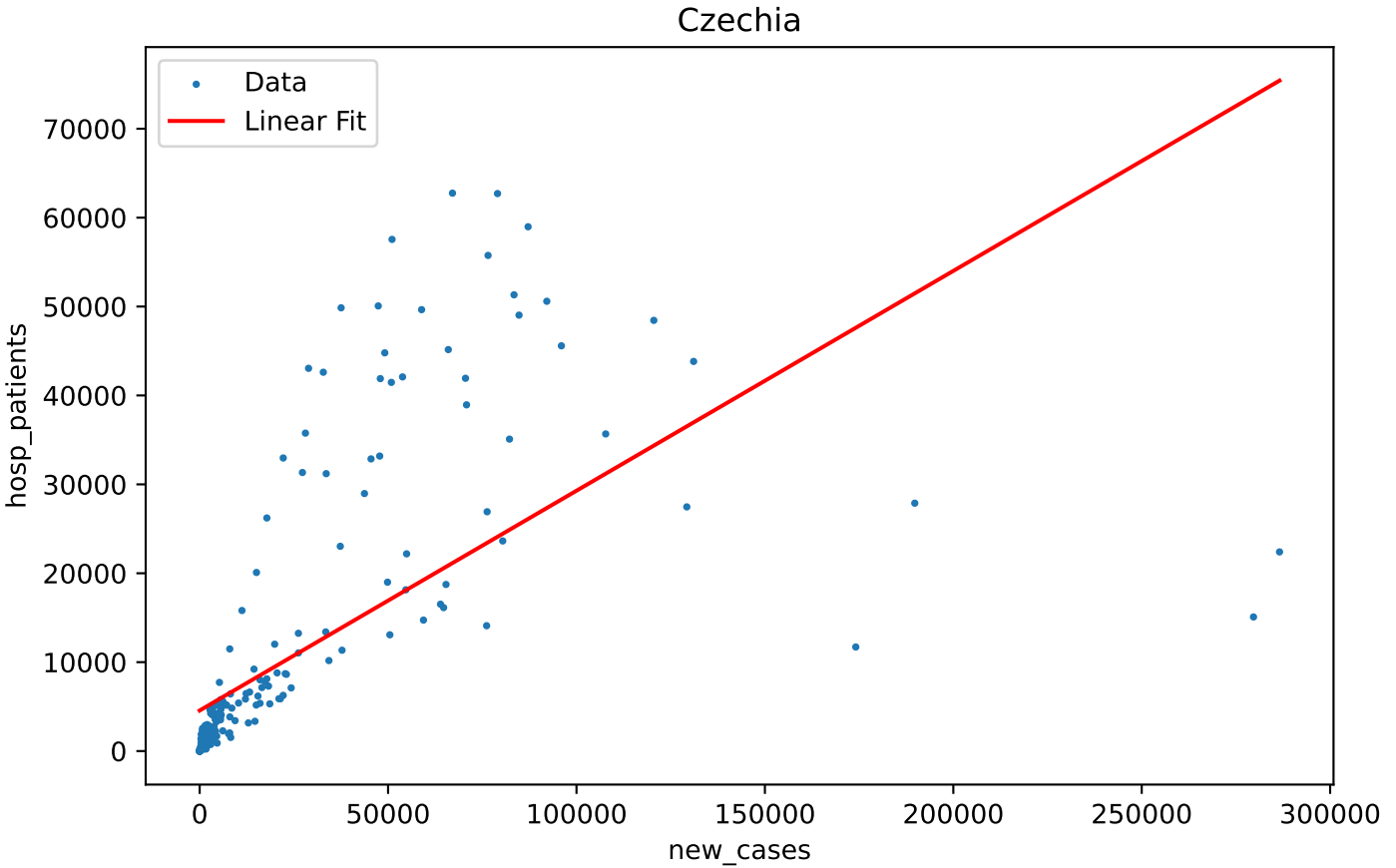
Czechia
Data
Linear Fit
hosp_patients
new_cases
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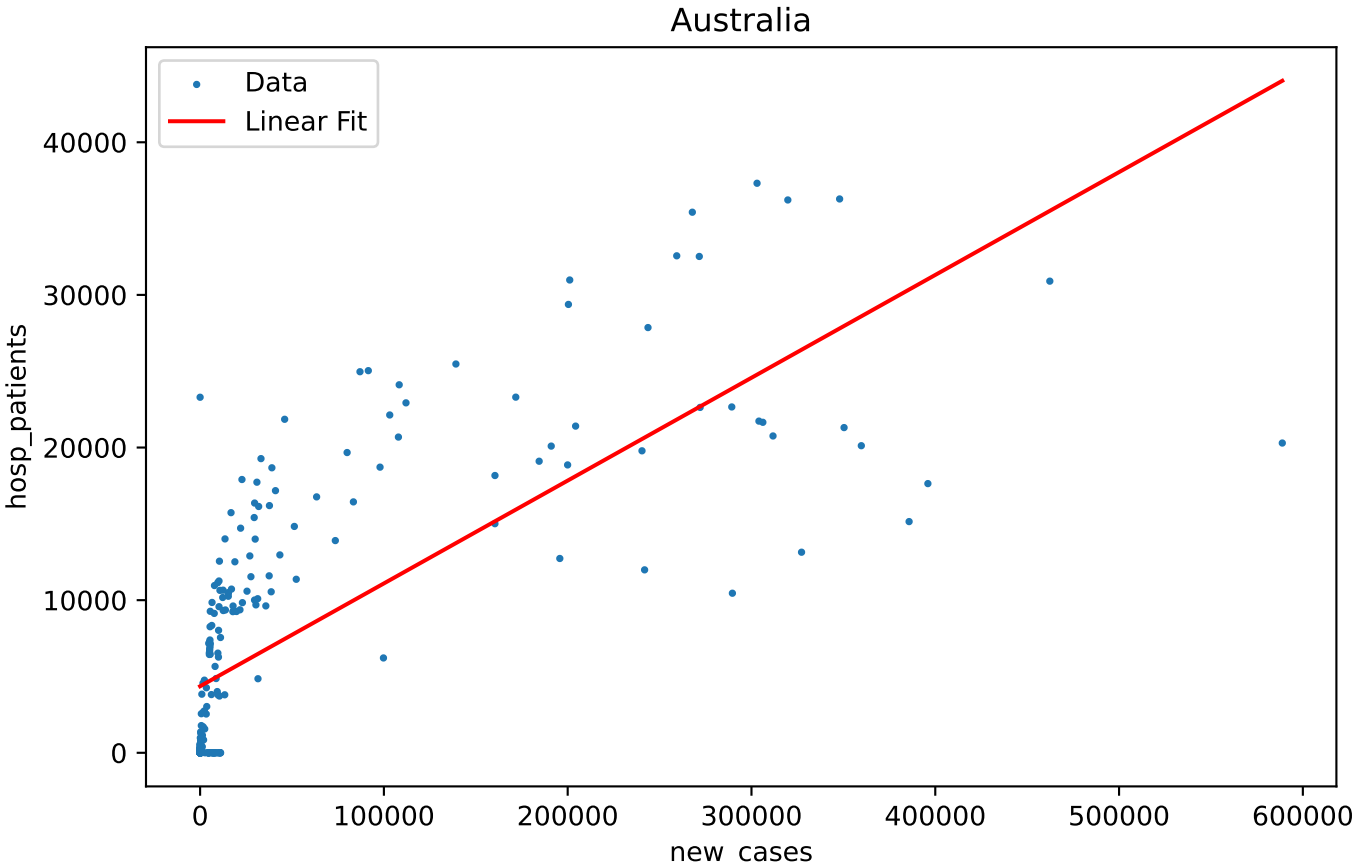
Australia
Data
Linear Fit
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new_cases
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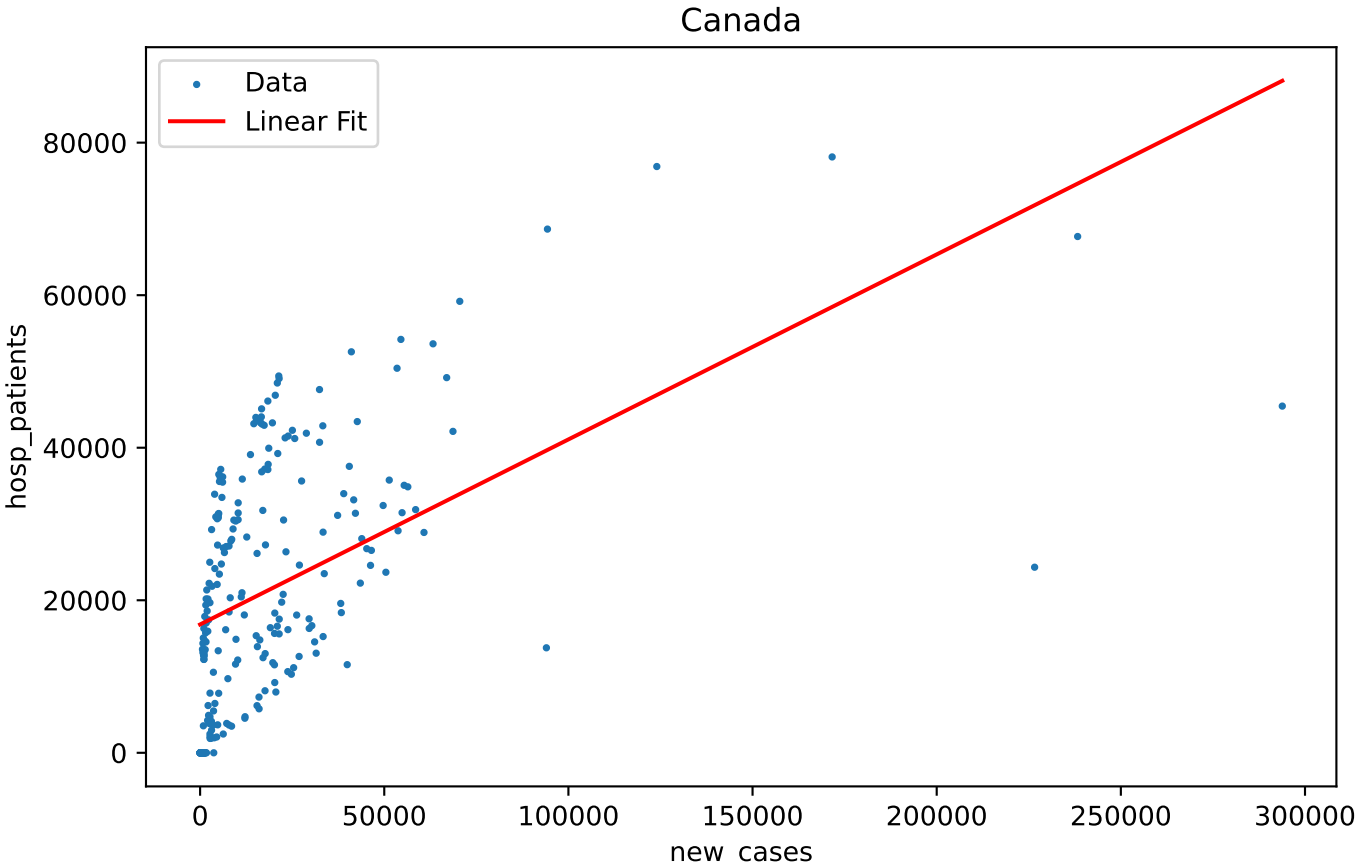
Canada
Data
Linear Fit
hosp_patients
new_cases
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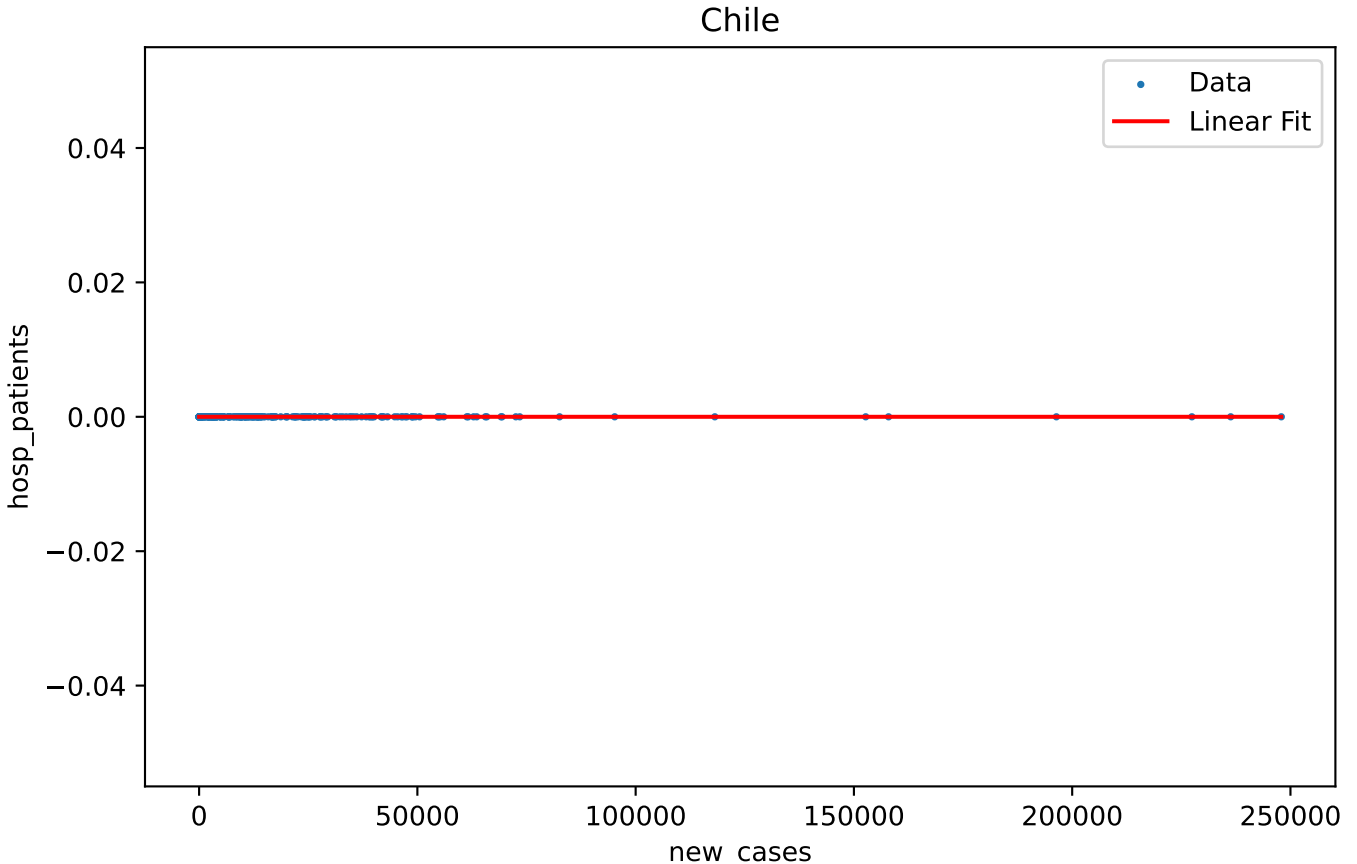
Chile
Data
Linear Fit
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−0.02
−0.04
hosp_patients
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50000
100000
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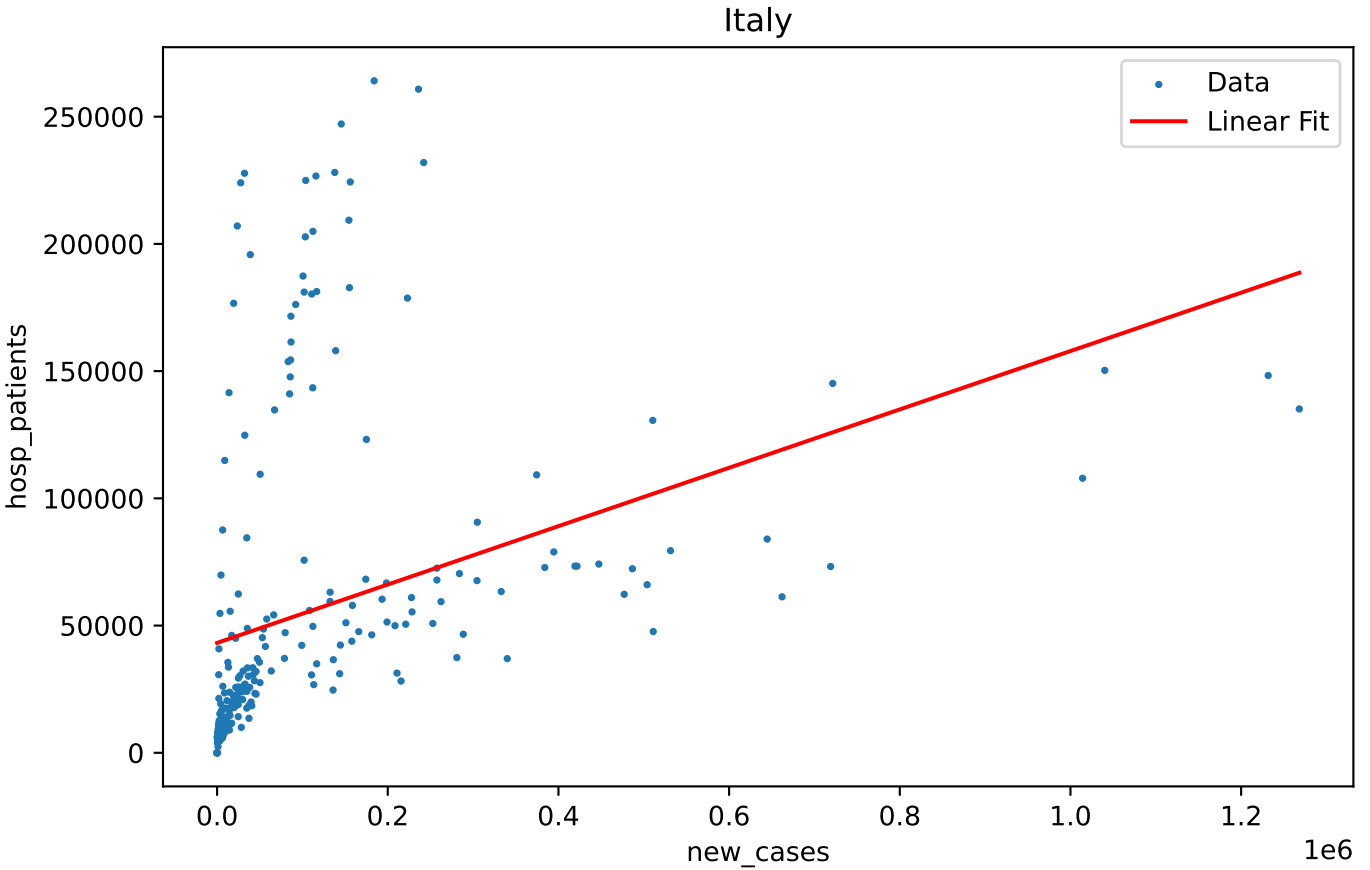
200000
250000
new_cases


Italy
Data
Linear Fit
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200000
150000
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0.0
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0.8
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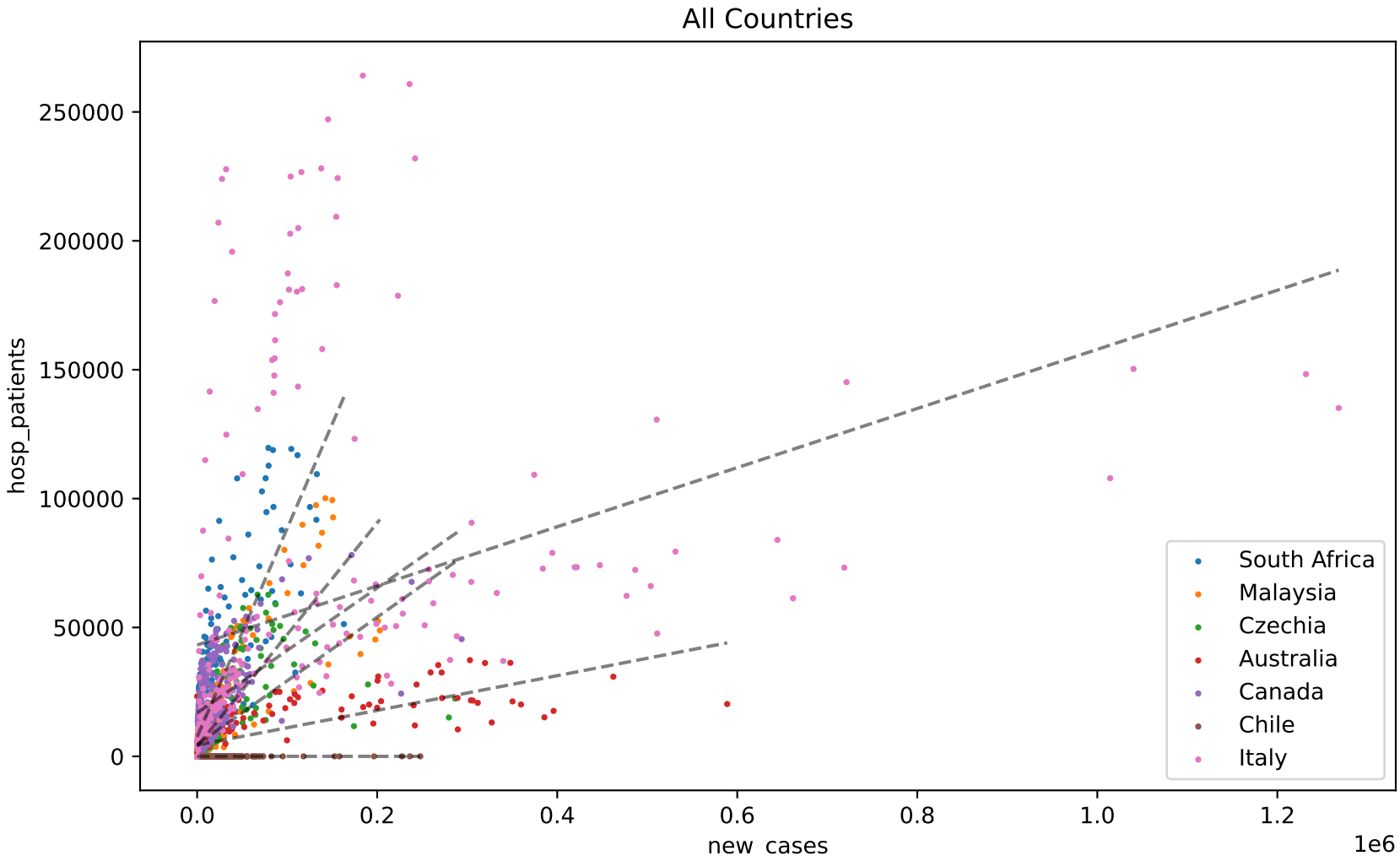
1.2
1e6
new_cases


All Countries
hosp_patients
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200000
150000
100000
50000
0
0.0
0.2
0.4
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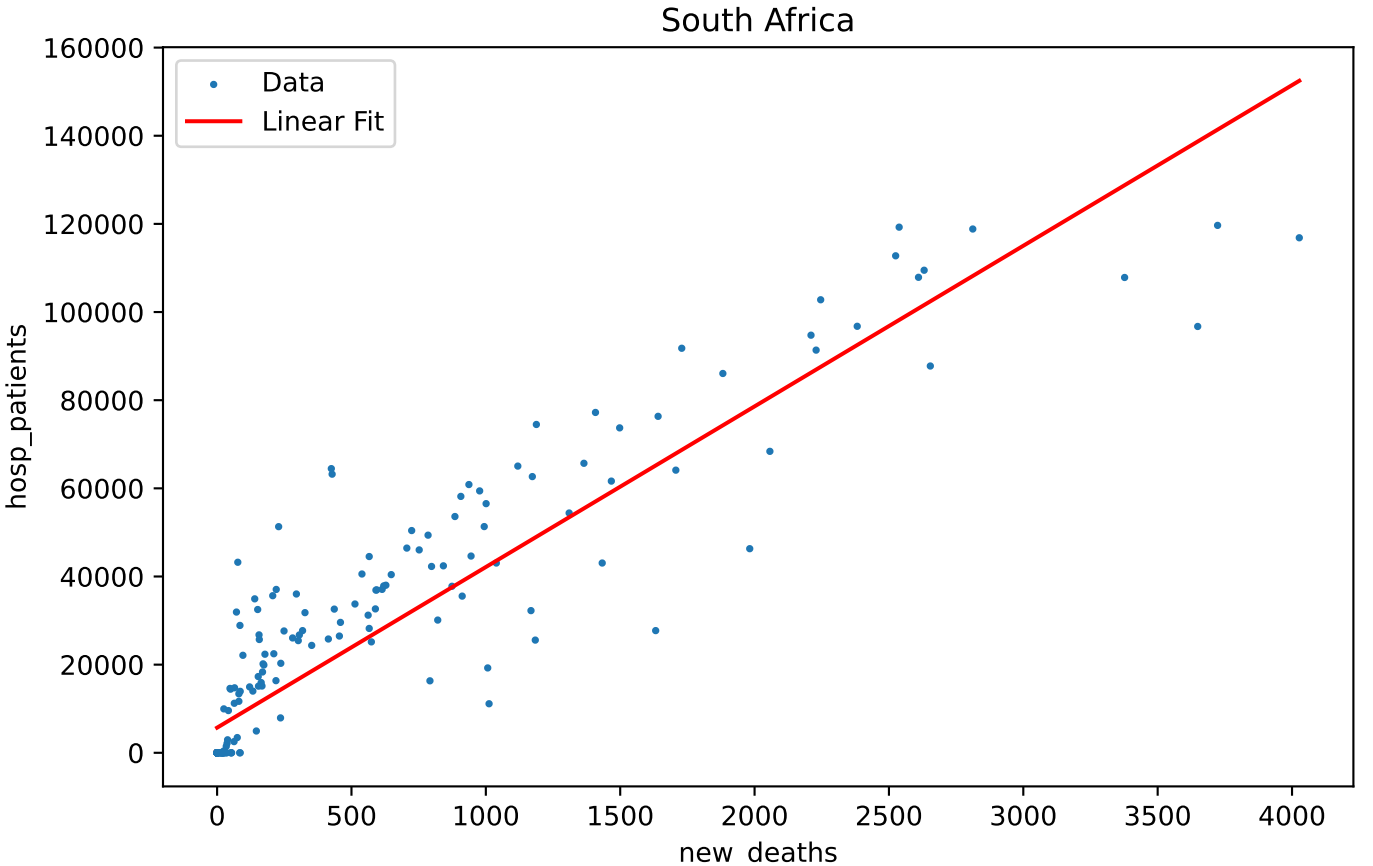
1.0
1.2
1e6
new_cases
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy


South Africa
Data
Linear Fit
hosp_patients
new_deaths
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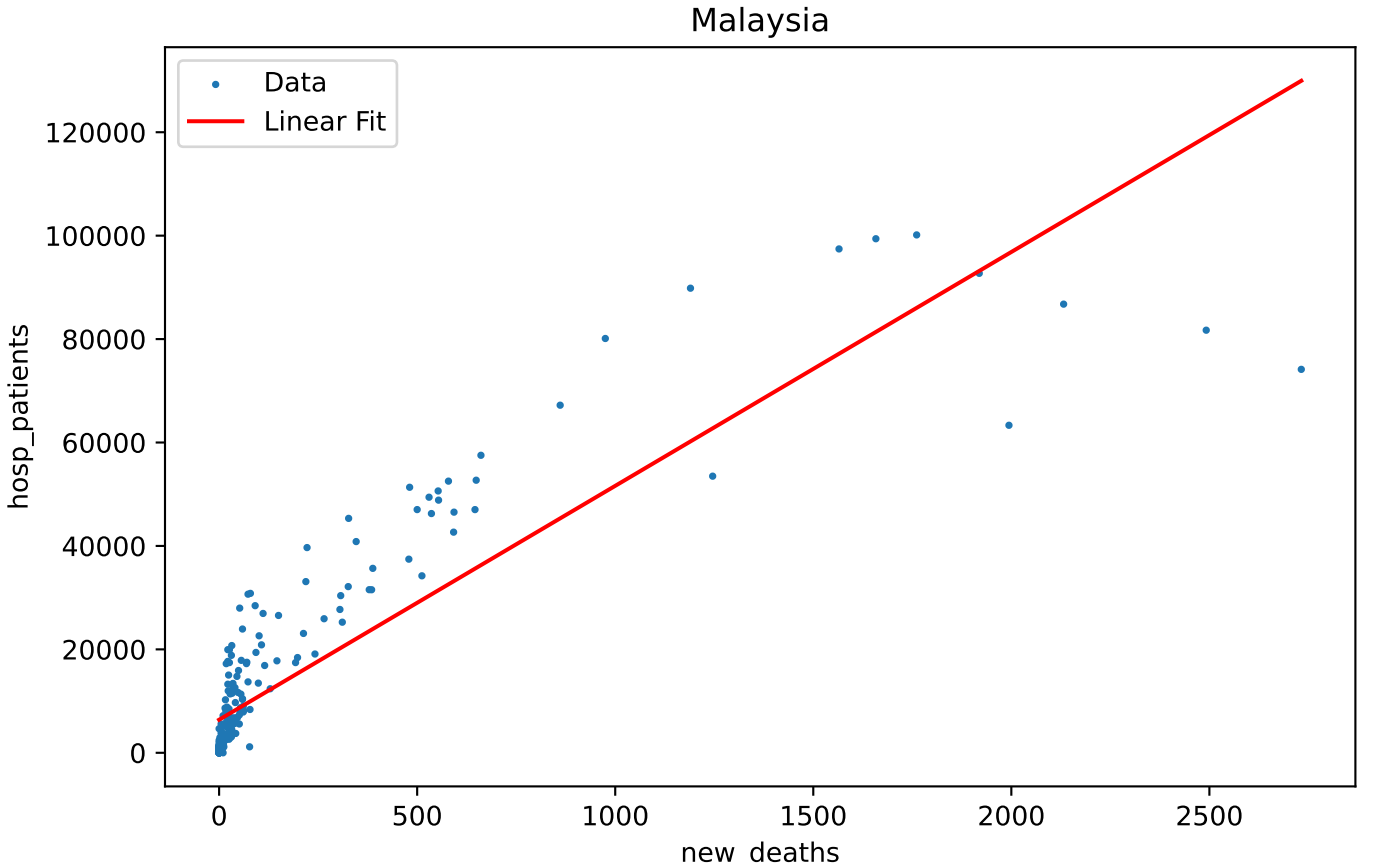
Malaysia
Data
Linear Fit
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new_deaths
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2000
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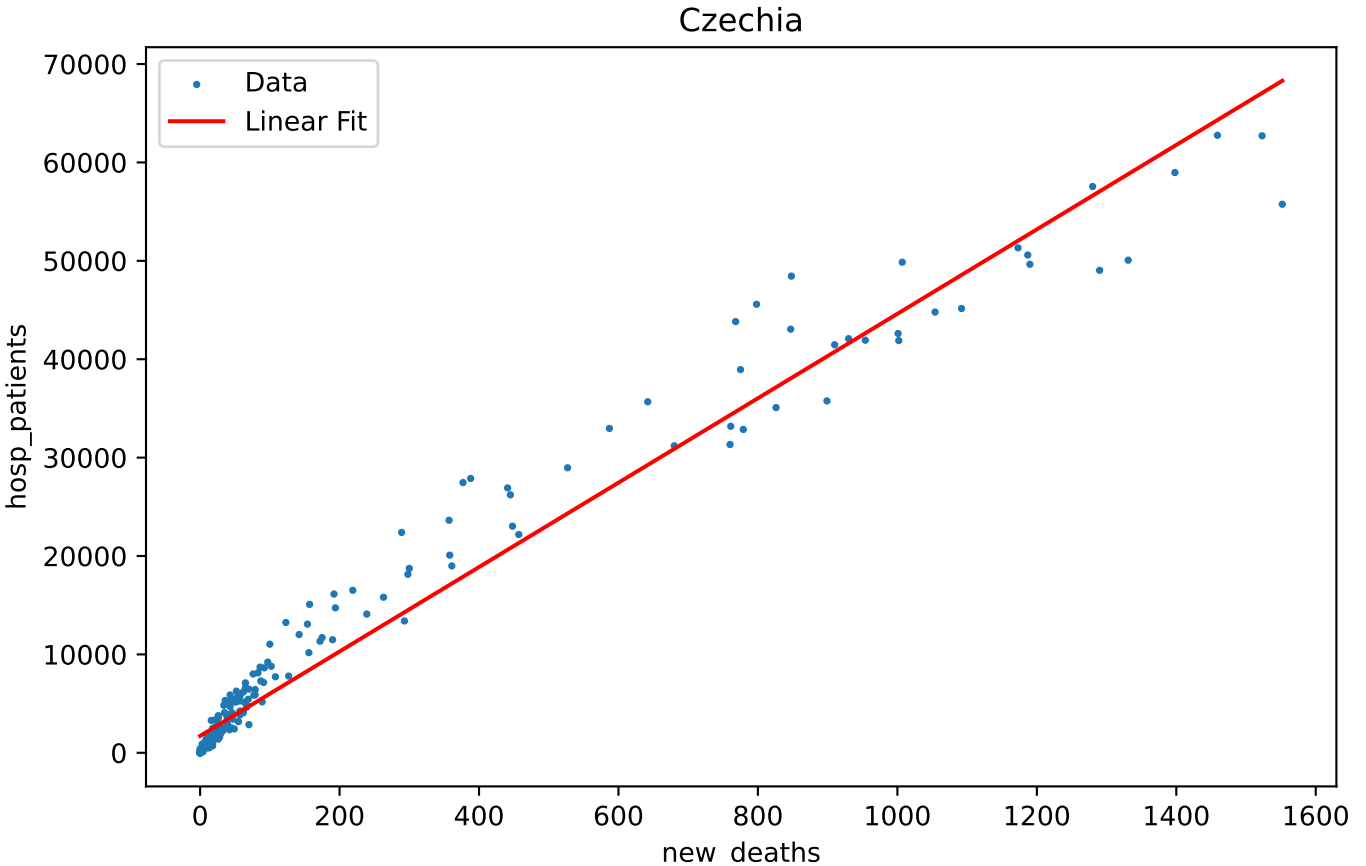
Czechia
Data
Linear Fit
hosp_patients
new_deaths
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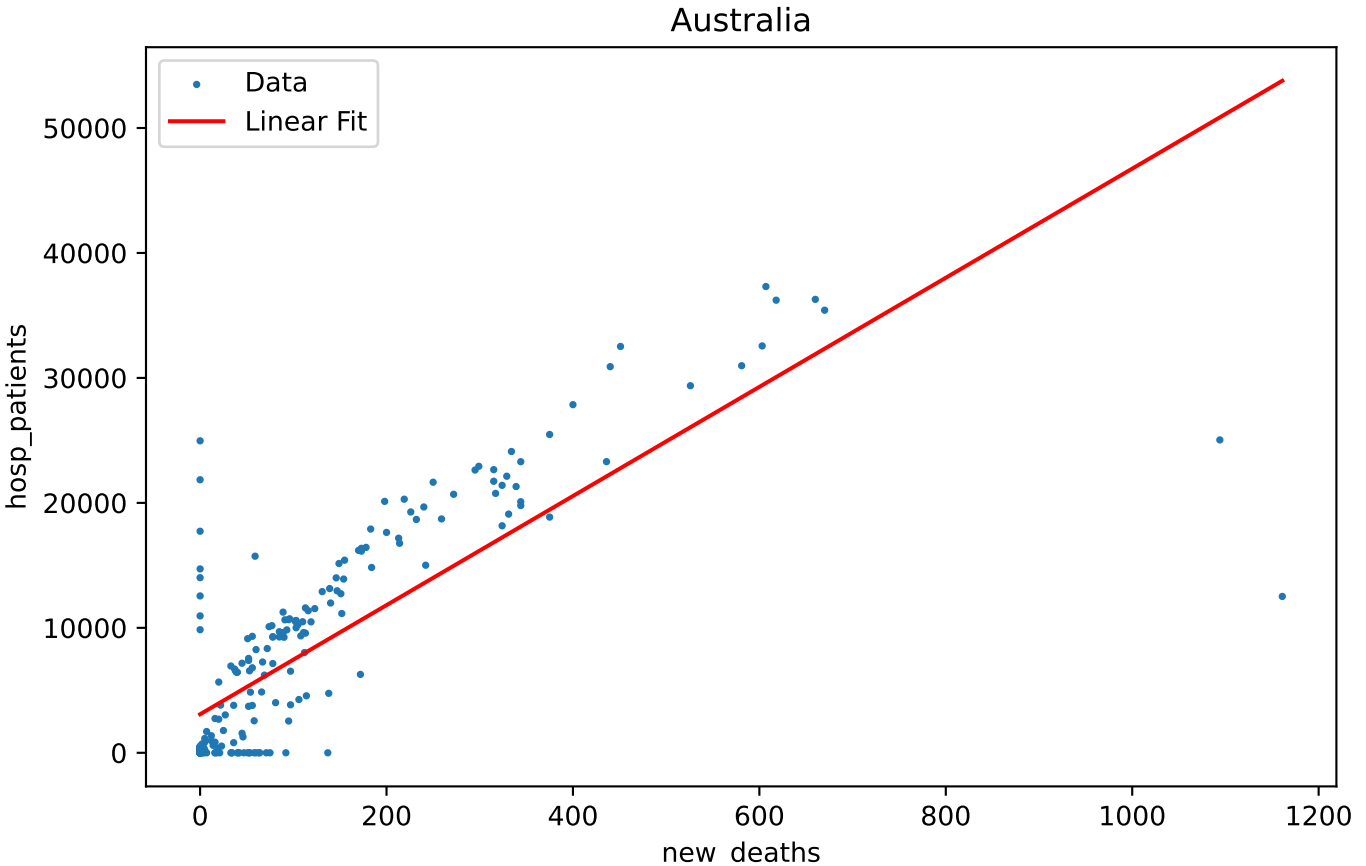
Australia
Data
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new_deaths
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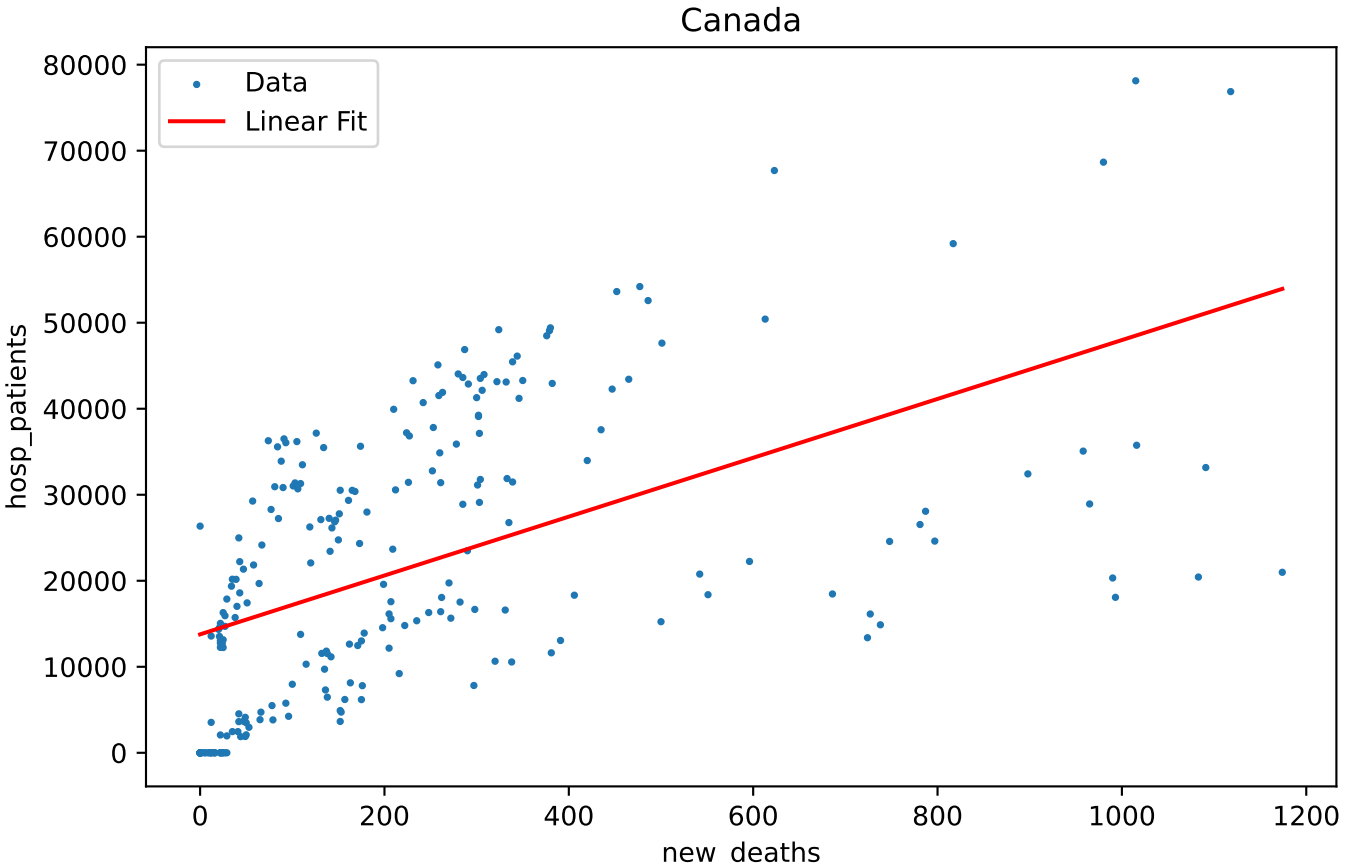
Canada
Data
Linear Fit
hosp_patients
new_deaths
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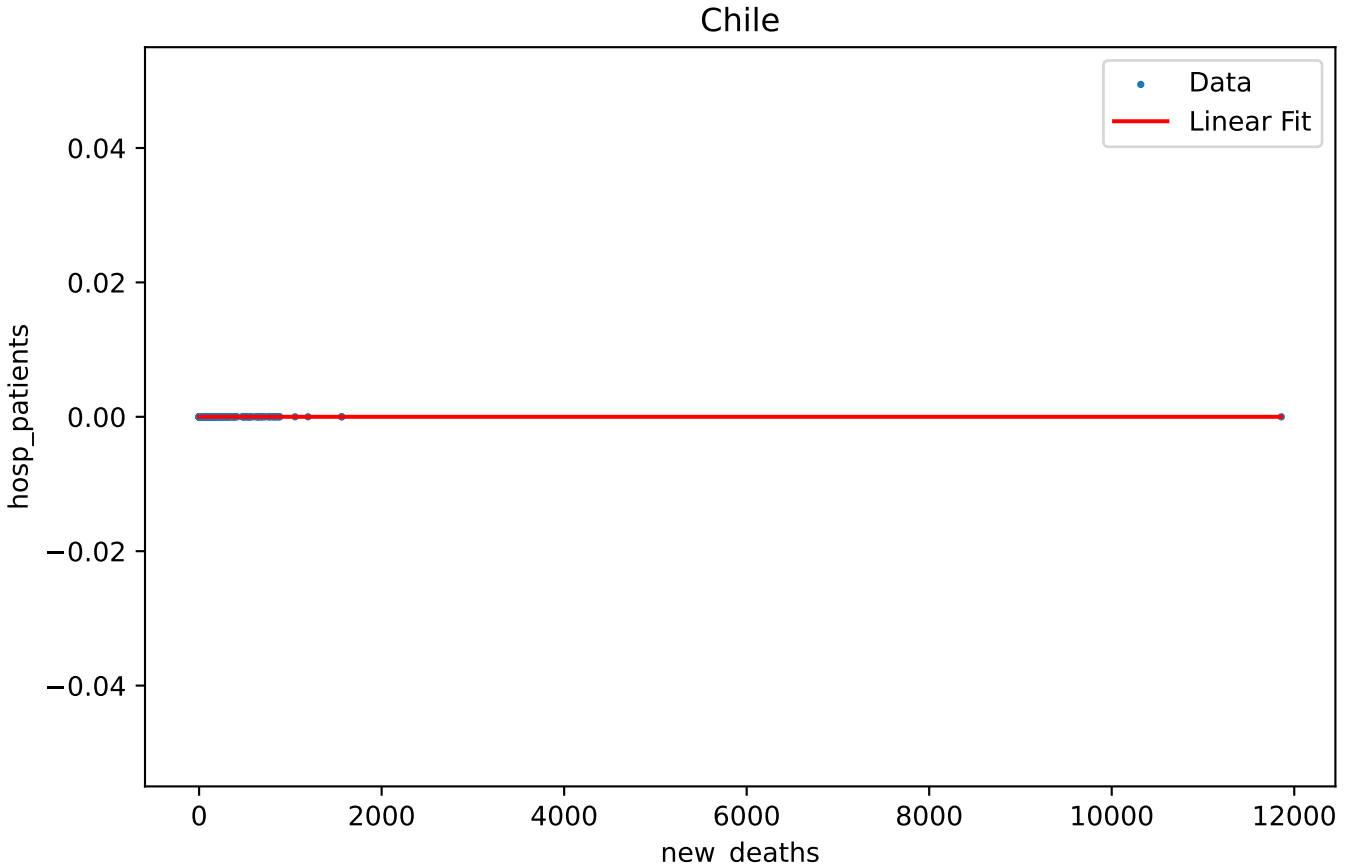
Chile
Data
Linear Fit
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hosp_patients
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10000
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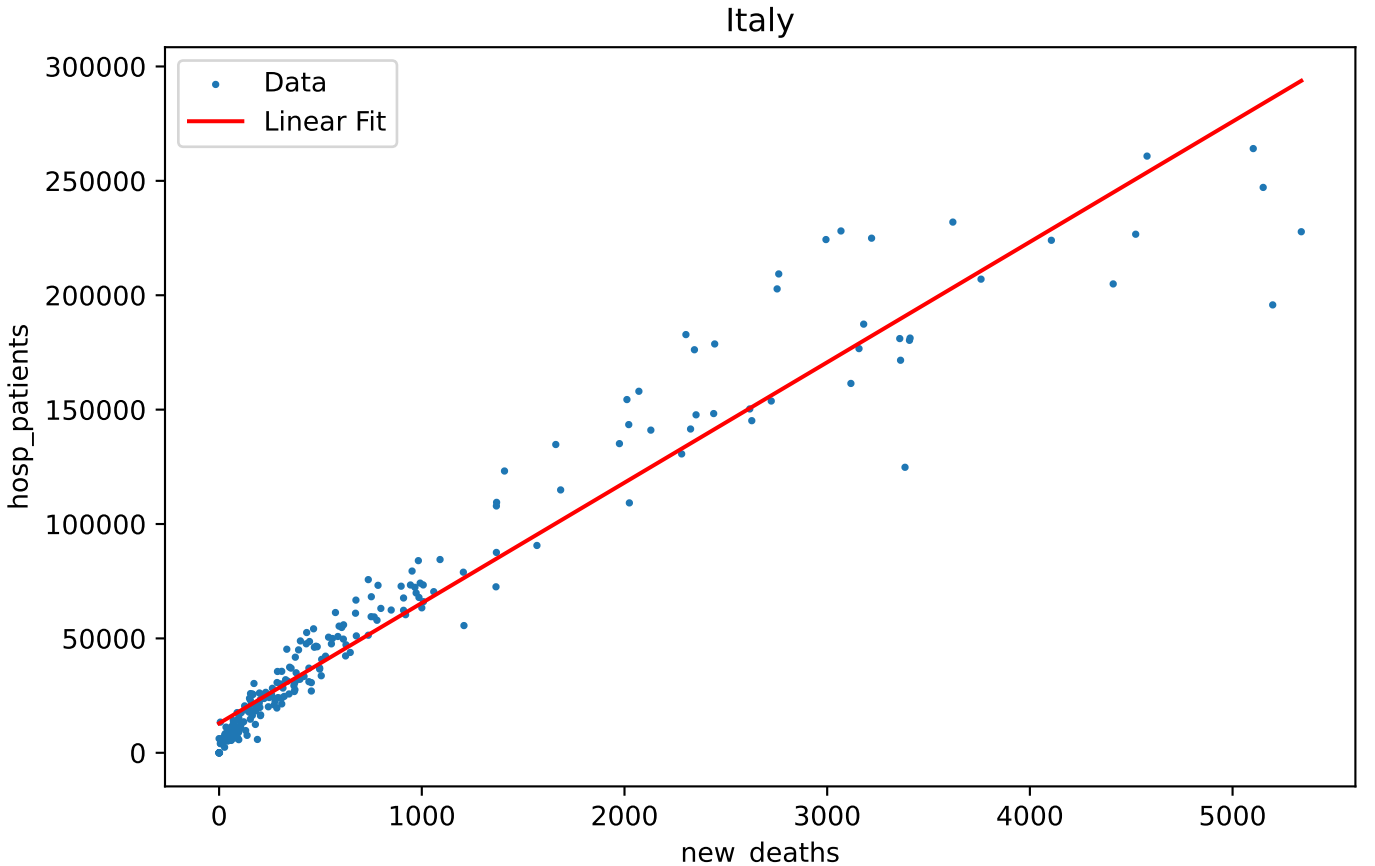
new_deaths


Italy
Data
Linear Fit
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new_deaths
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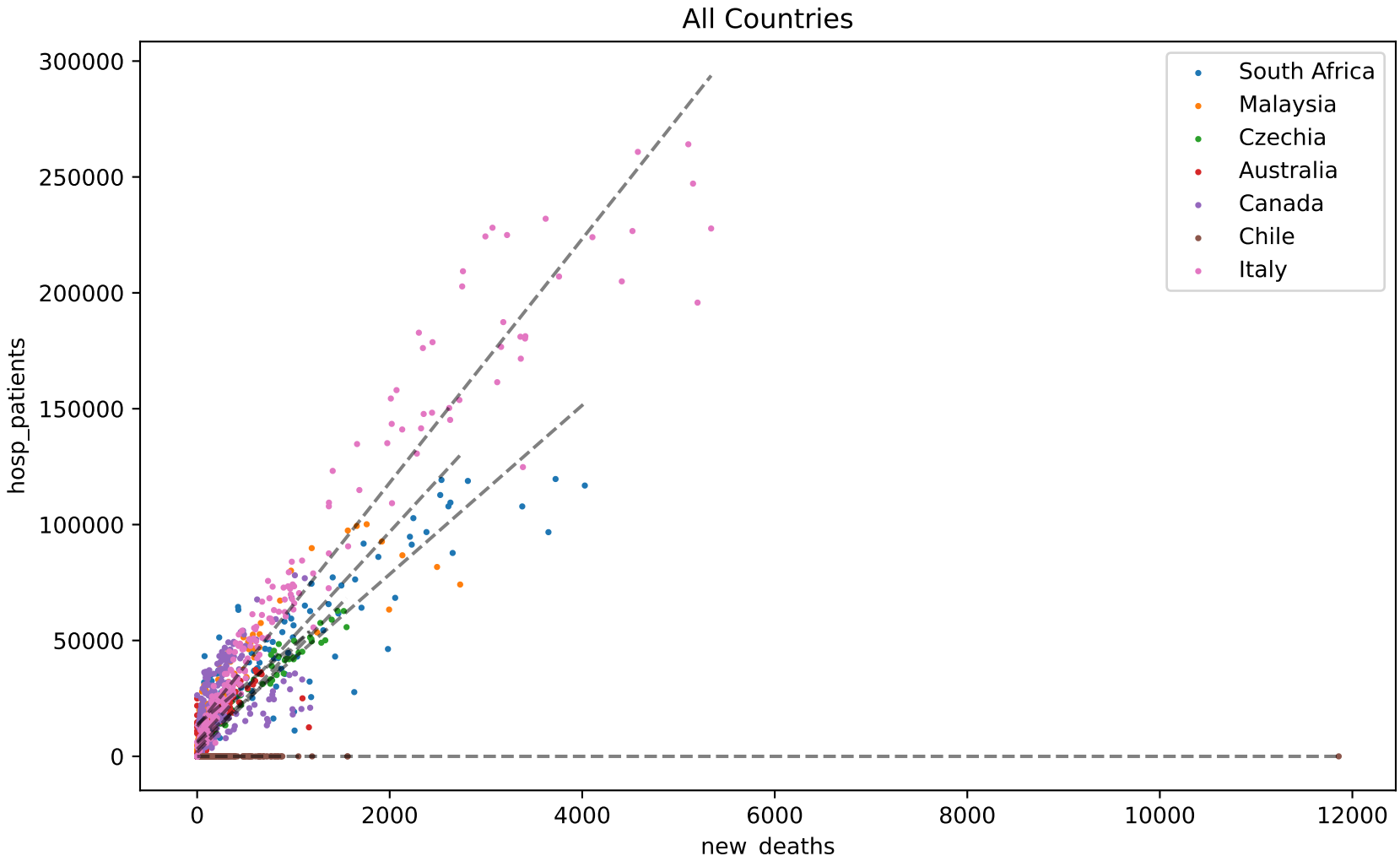
All Countries
hosp_patients
new_deaths
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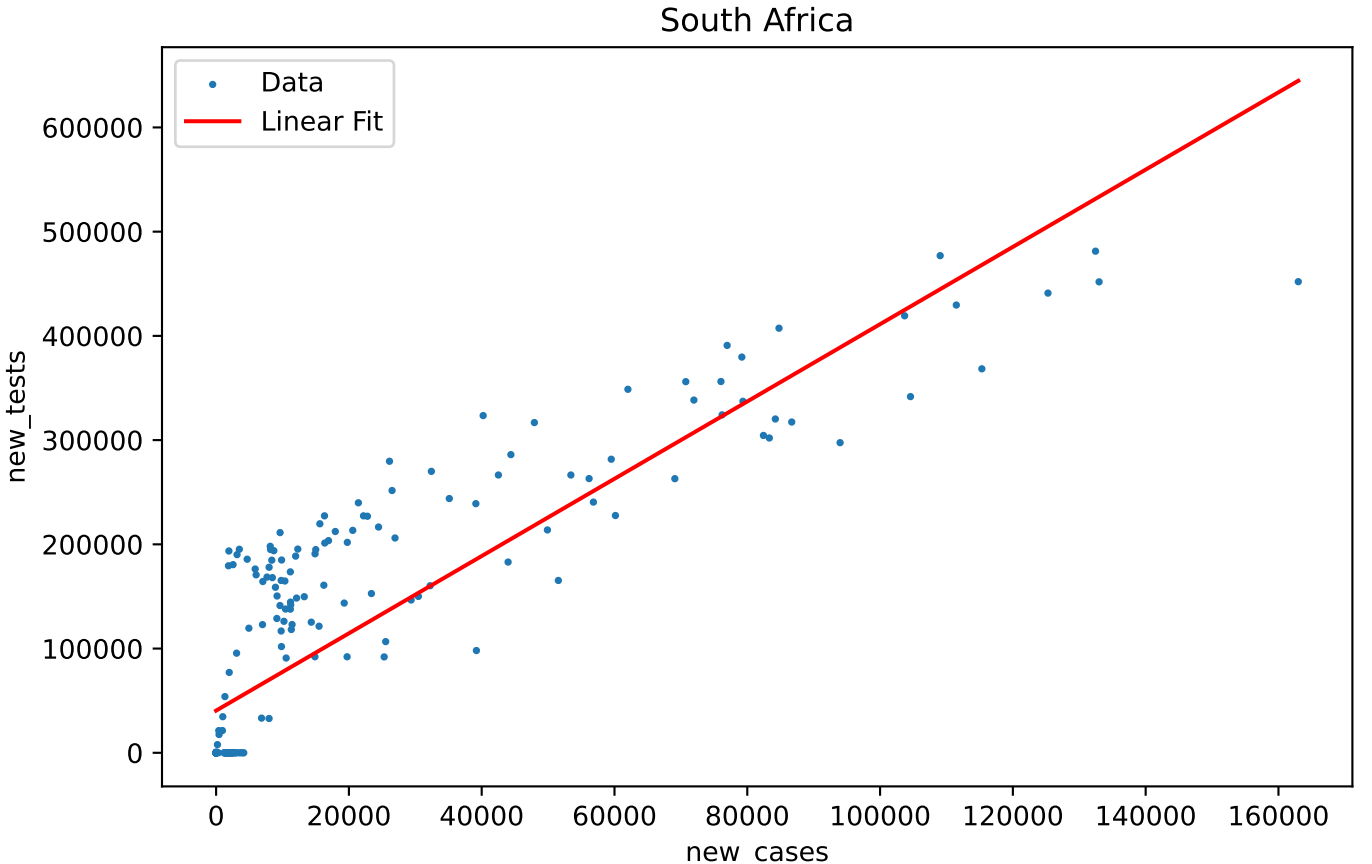
12000
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy


South Africa
Data
Linear Fit
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500000
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new_tests
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40000
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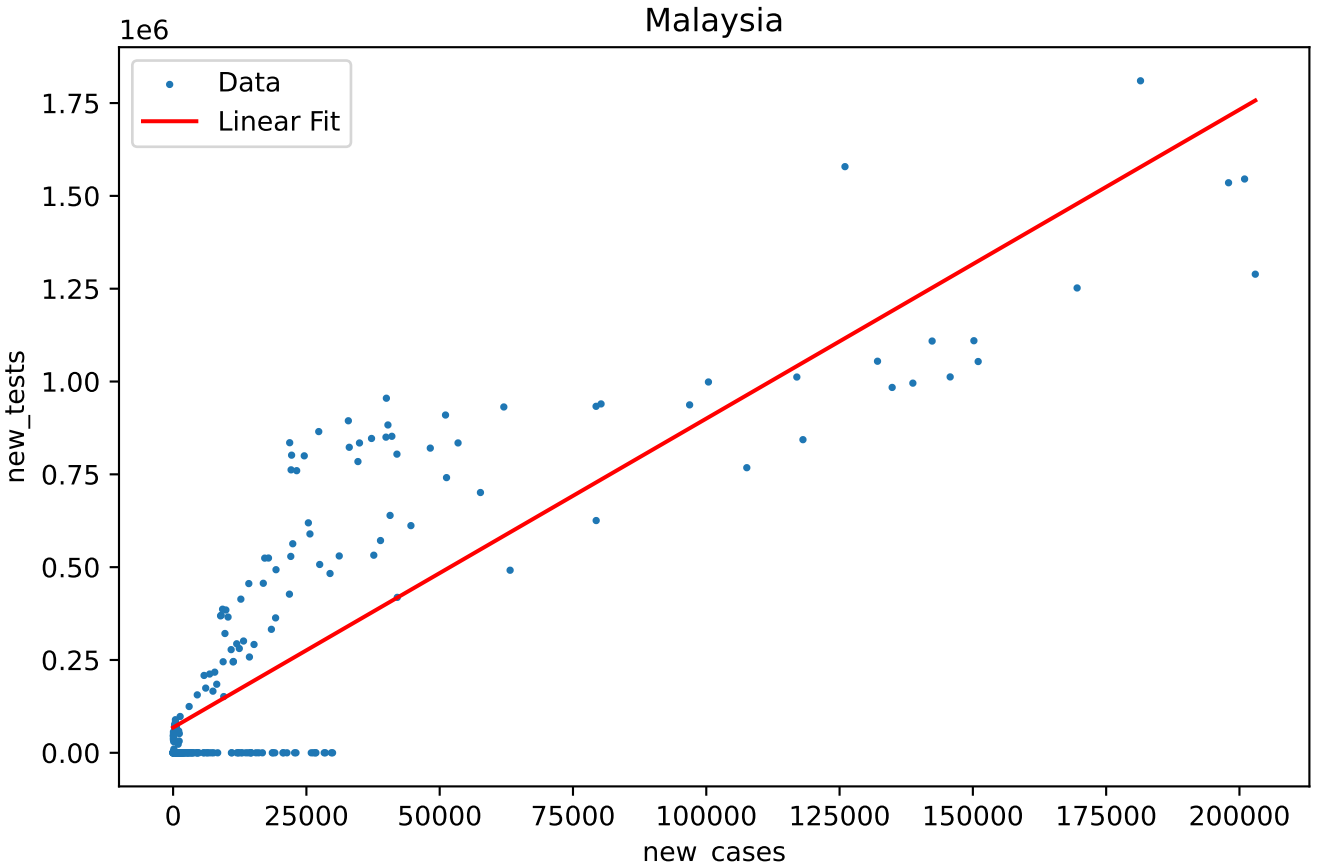
140000
160000
new_cases


Malaysia
1e6
Data
Linear Fit
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1.25
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0.75
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0.00
new_tests
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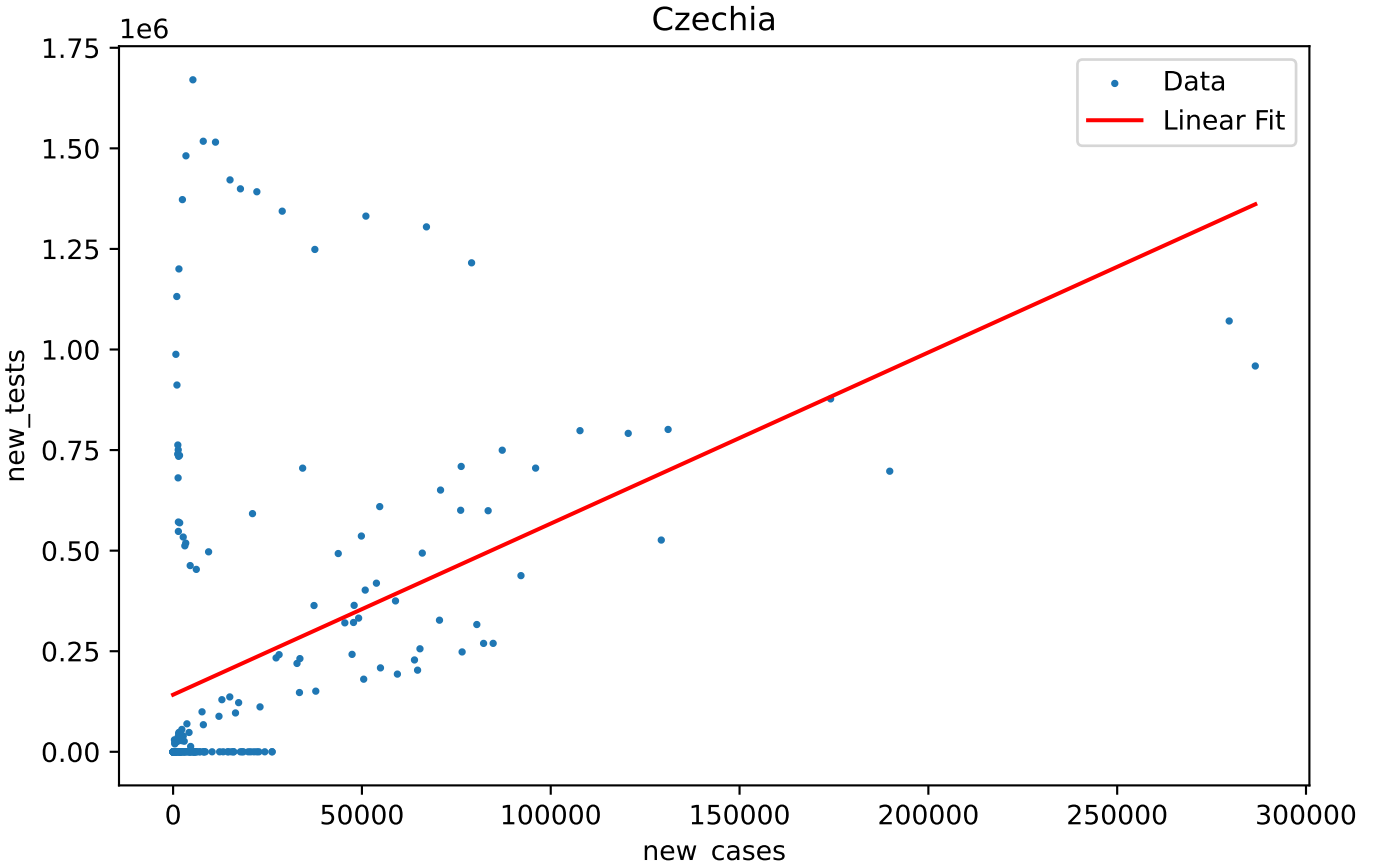
100000
125000
150000
175000
200000
new_cases


Czechia
1e6
1.75
1.50
1.25
1.00
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0.00
new_tests
0
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100000
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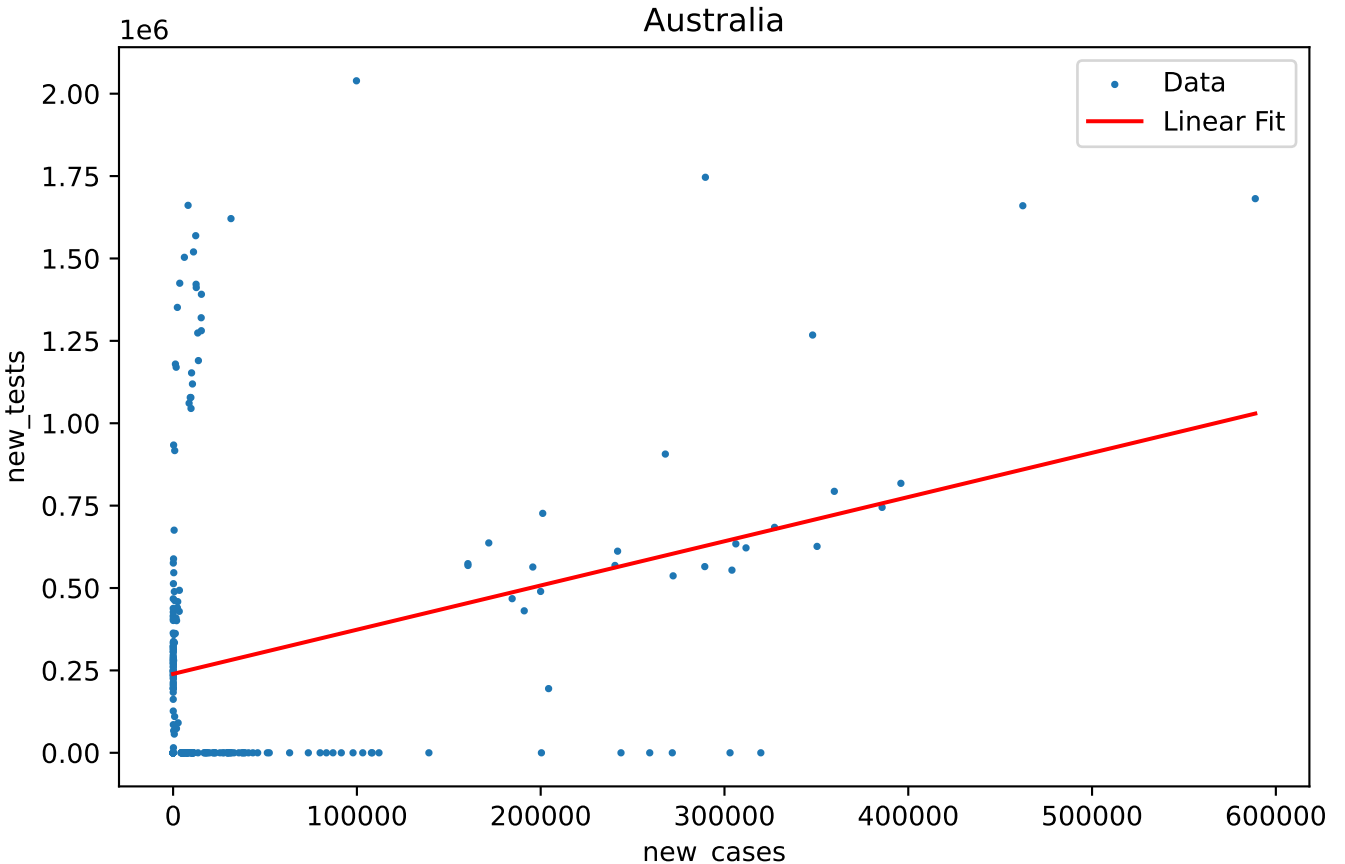
200000
250000
300000
new_cases
Data
Linear Fit


Australia
1e6
2.00
1.75
1.50
1.25
1.00
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0.00
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0
100000
200000
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400000
500000
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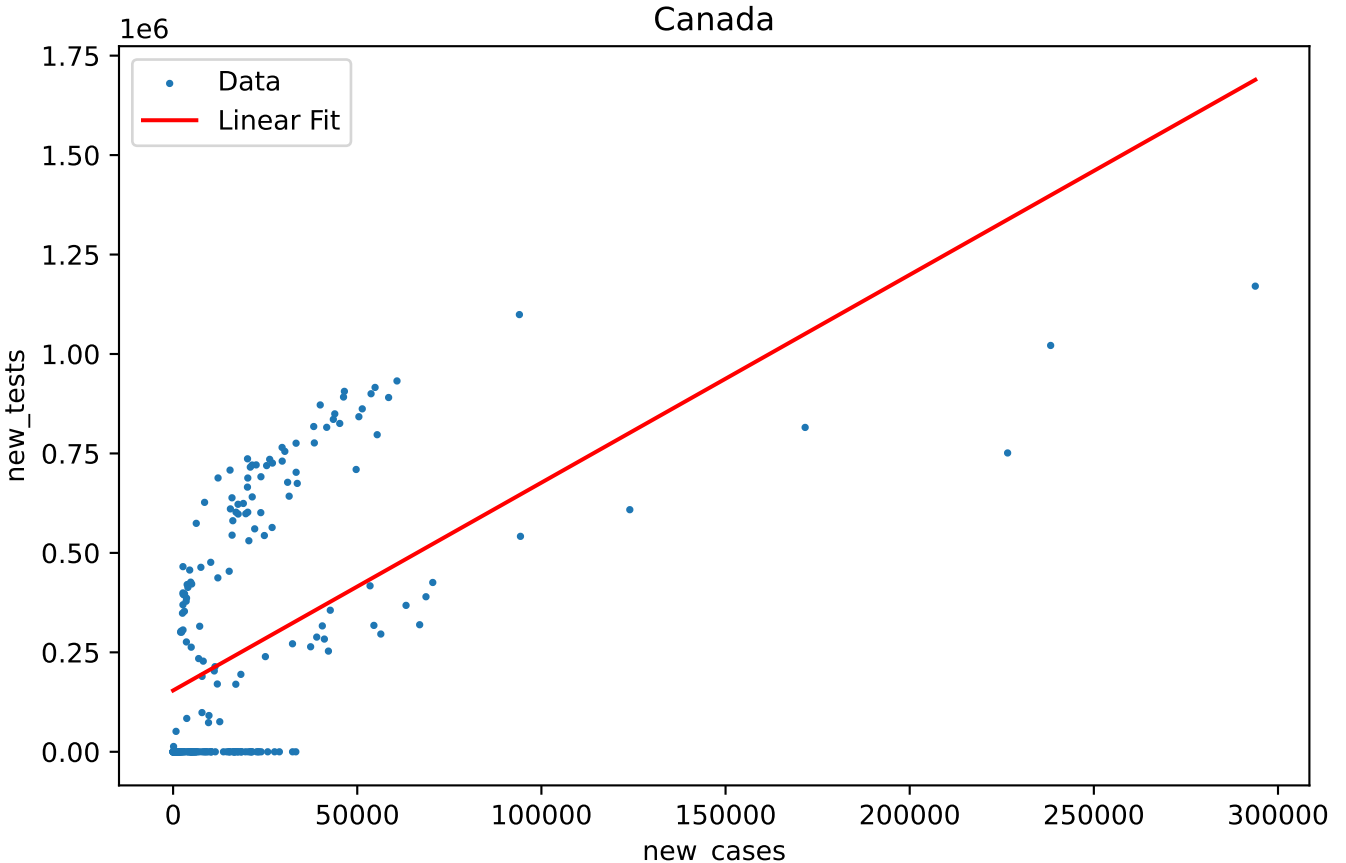
new_cases
Data
Linear Fit


Canada
1e6
1.75
1.50
1.25
1.00
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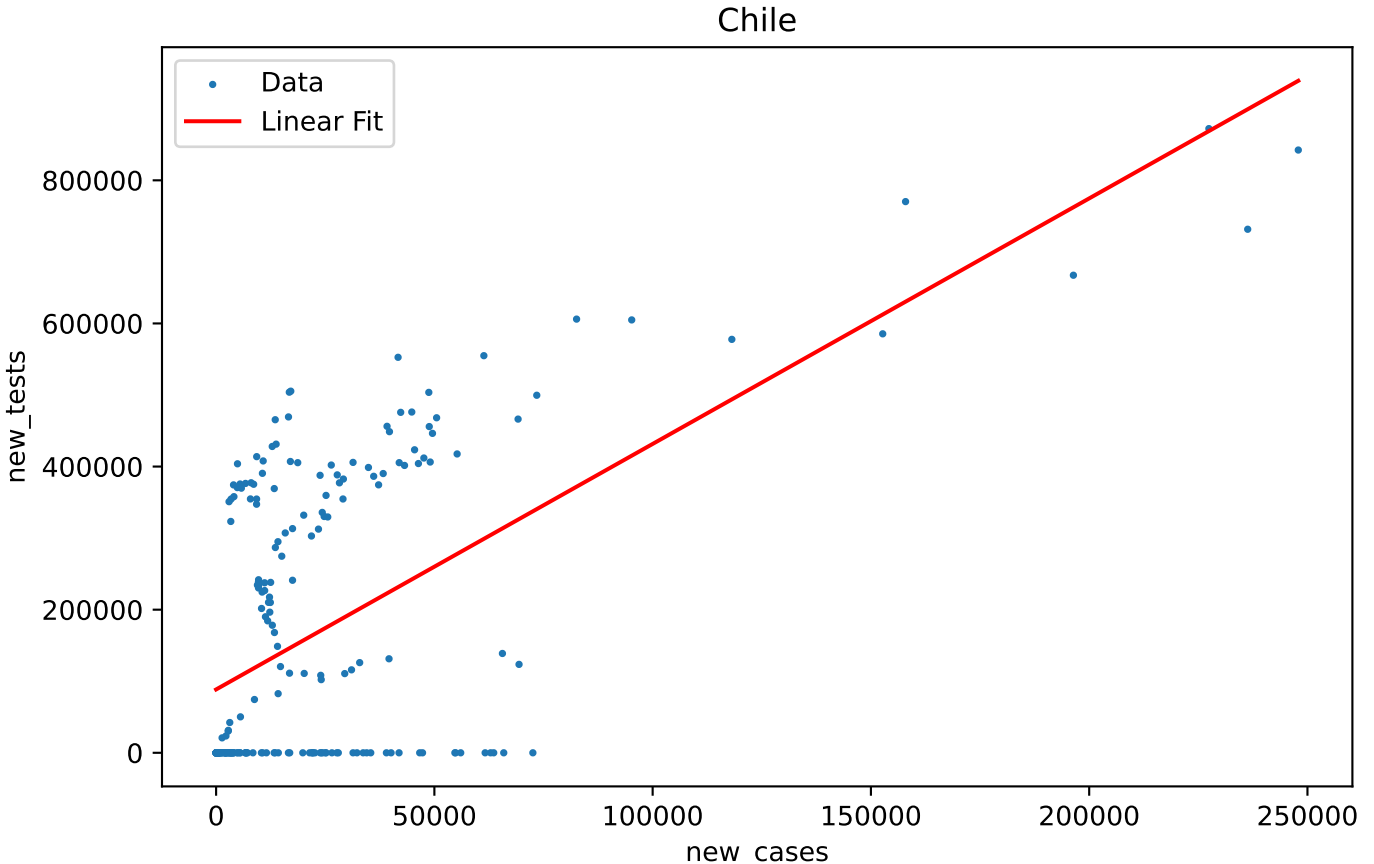
0.00
new_tests
Data
Linear Fit
0
50000
100000
150000
200000
250000
300000
new_cases


Chile
Data
Linear Fit
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600000
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new_tests
0
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100000
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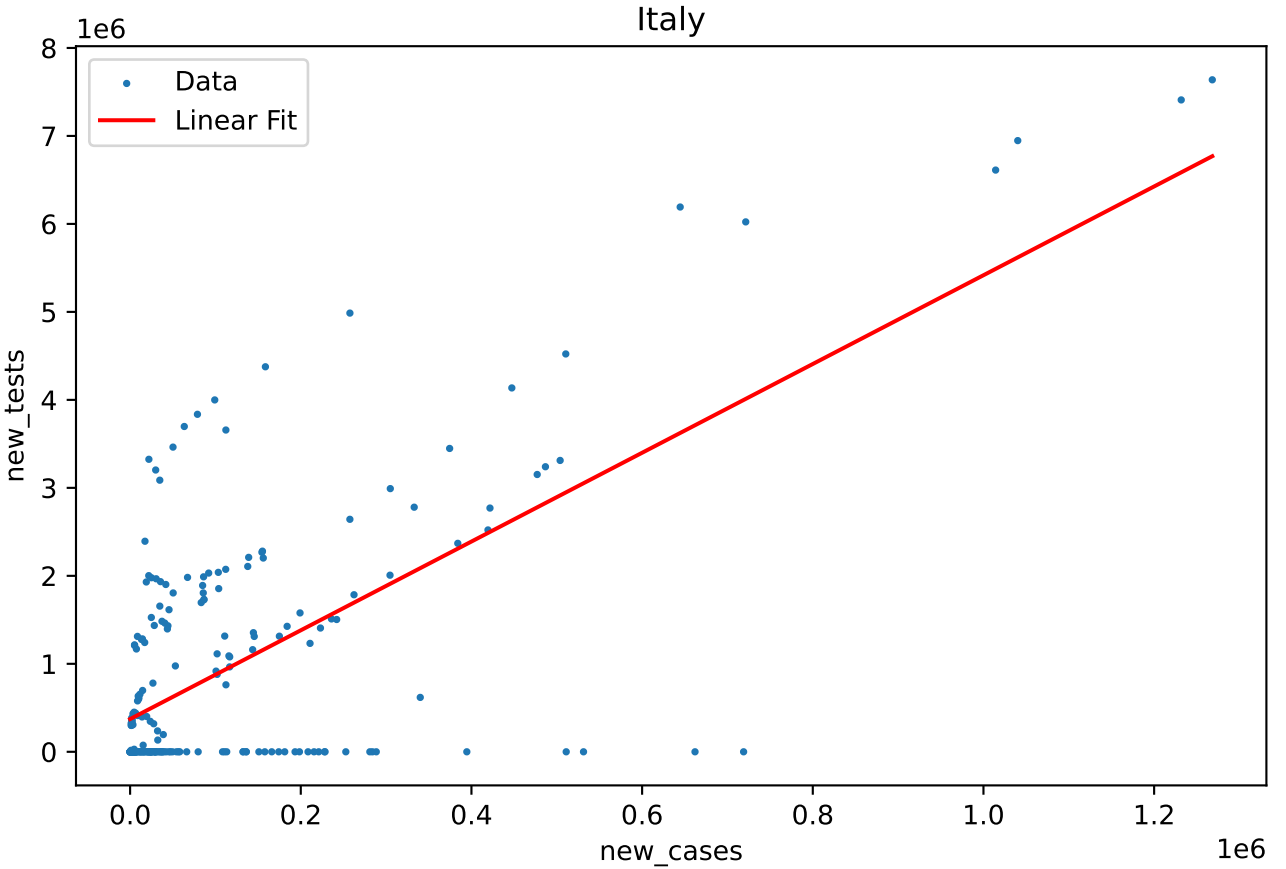
200000
250000
new_cases


Italy
1e6
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Data
Linear Fit
new_tests
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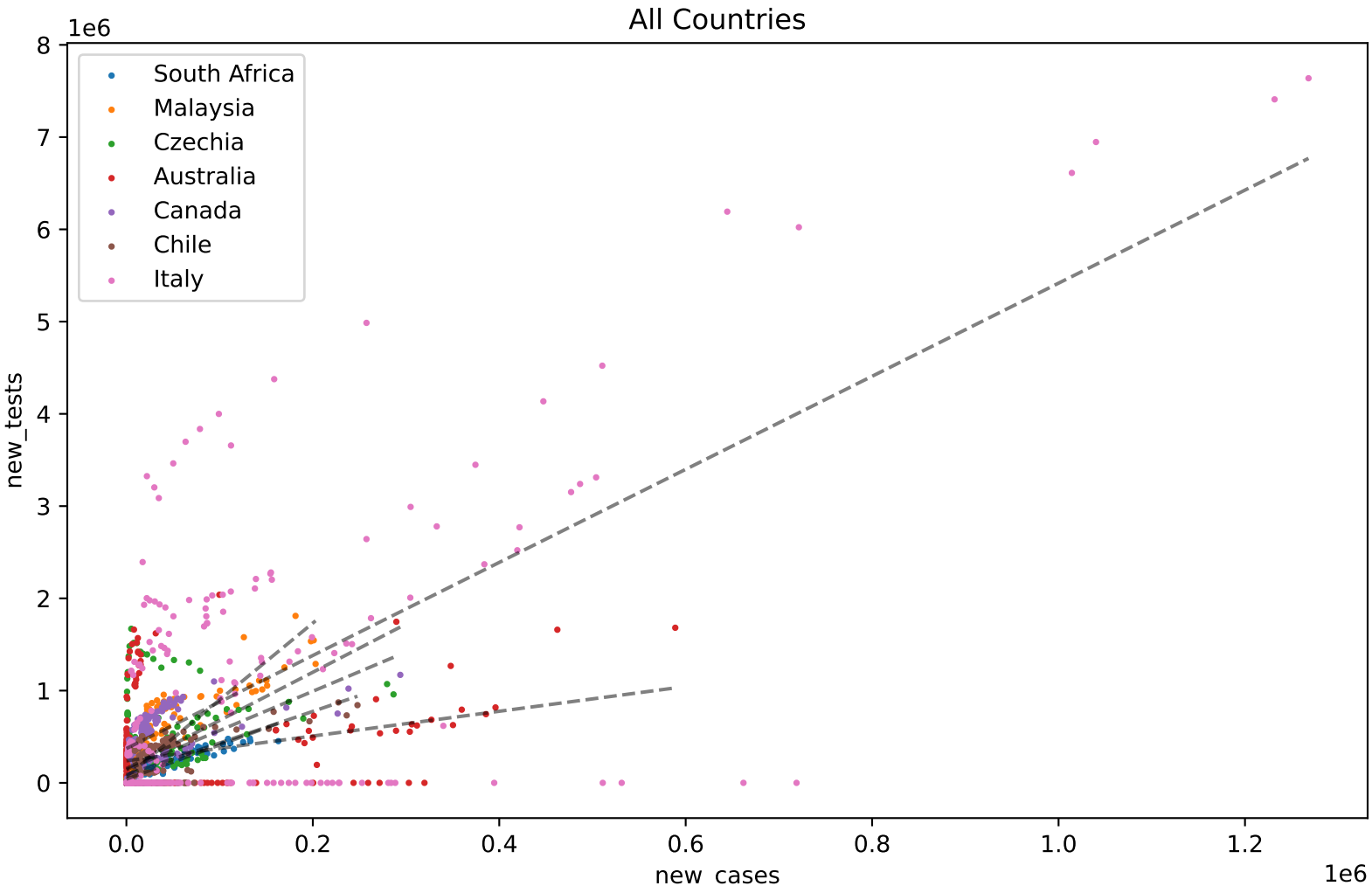
0.6
0.8
1.0
1.2
new_cases
1e6


All Countries
1e6
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3
2
1
0
new_tests
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
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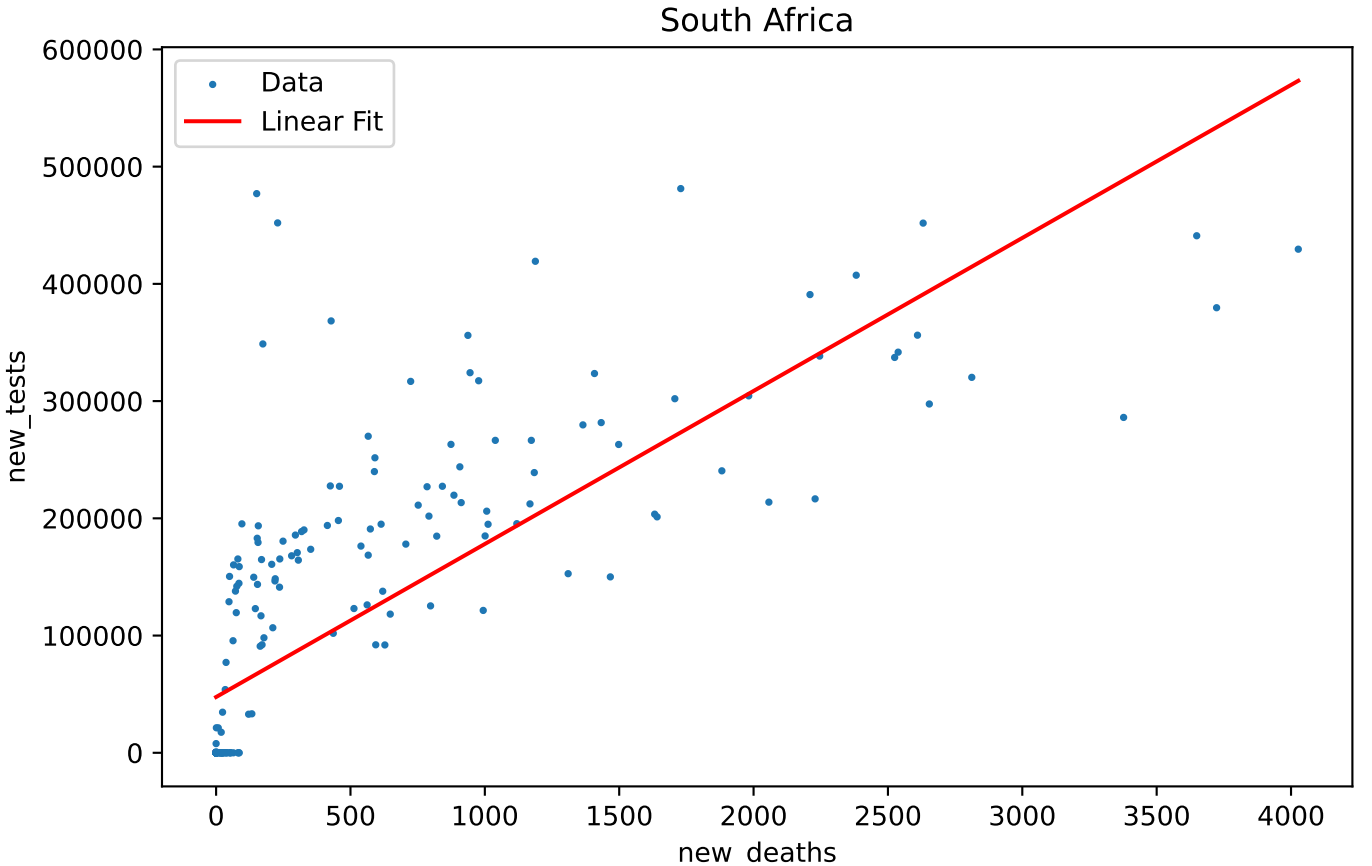
0.2
0.4
0.6
0.8
1.0
1.2
new_cases
1e6


South Africa
Data
Linear Fit
new_tests
new_deaths
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1000
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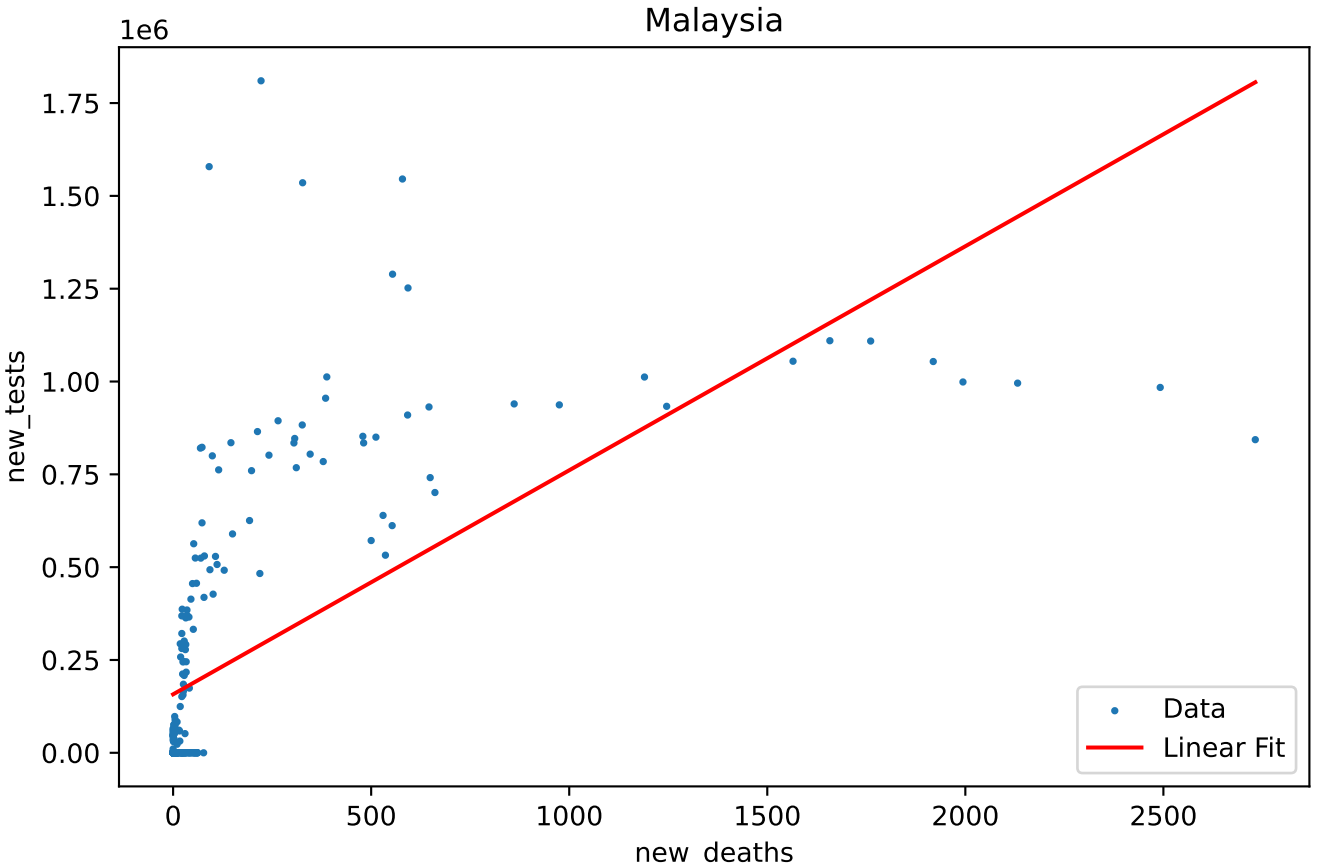
4000


Malaysia
1e6
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1.50
1.25
1.00
0.75
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0.00
new_tests
0
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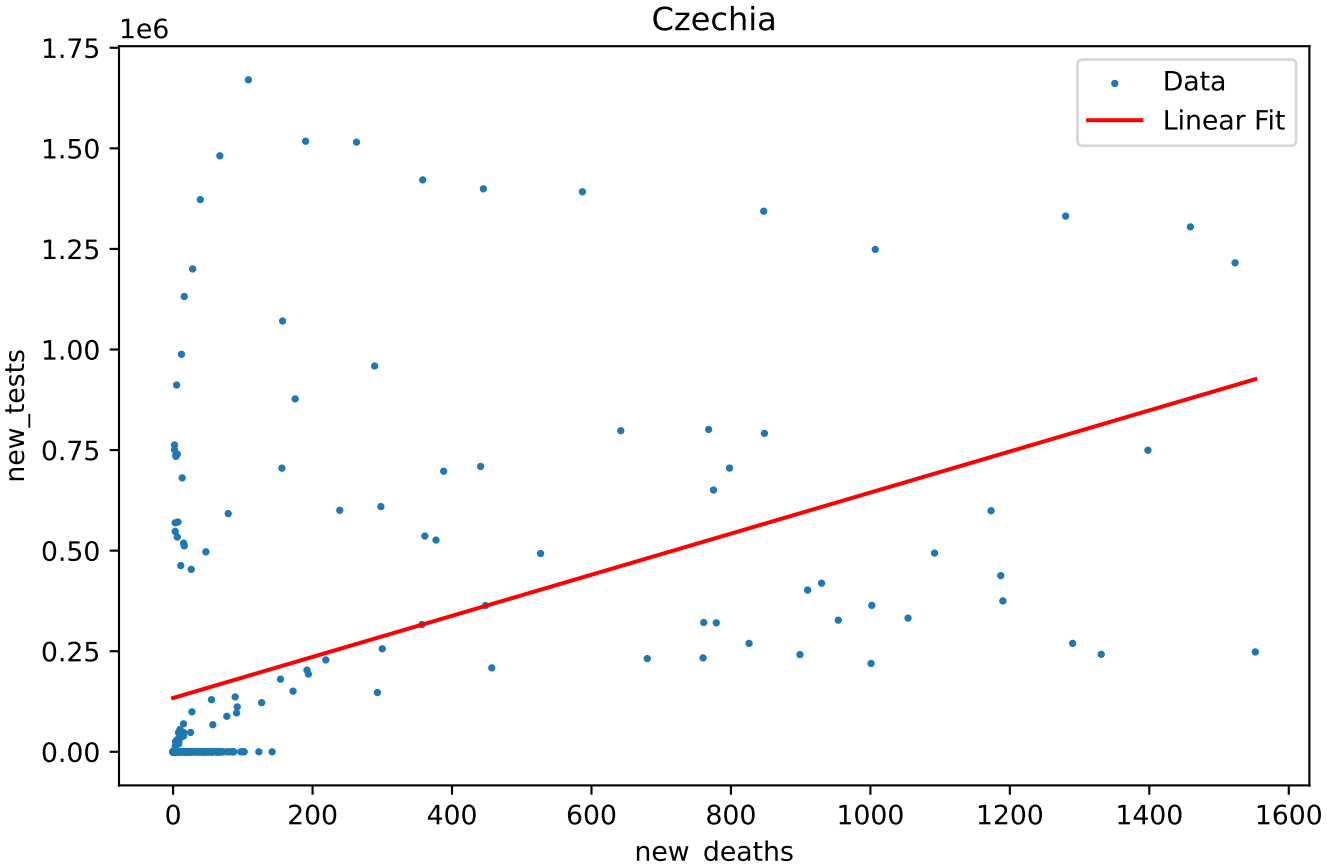
1000
1500
2000
2500
new_deaths
Data
Linear Fit


Czechia
1e6
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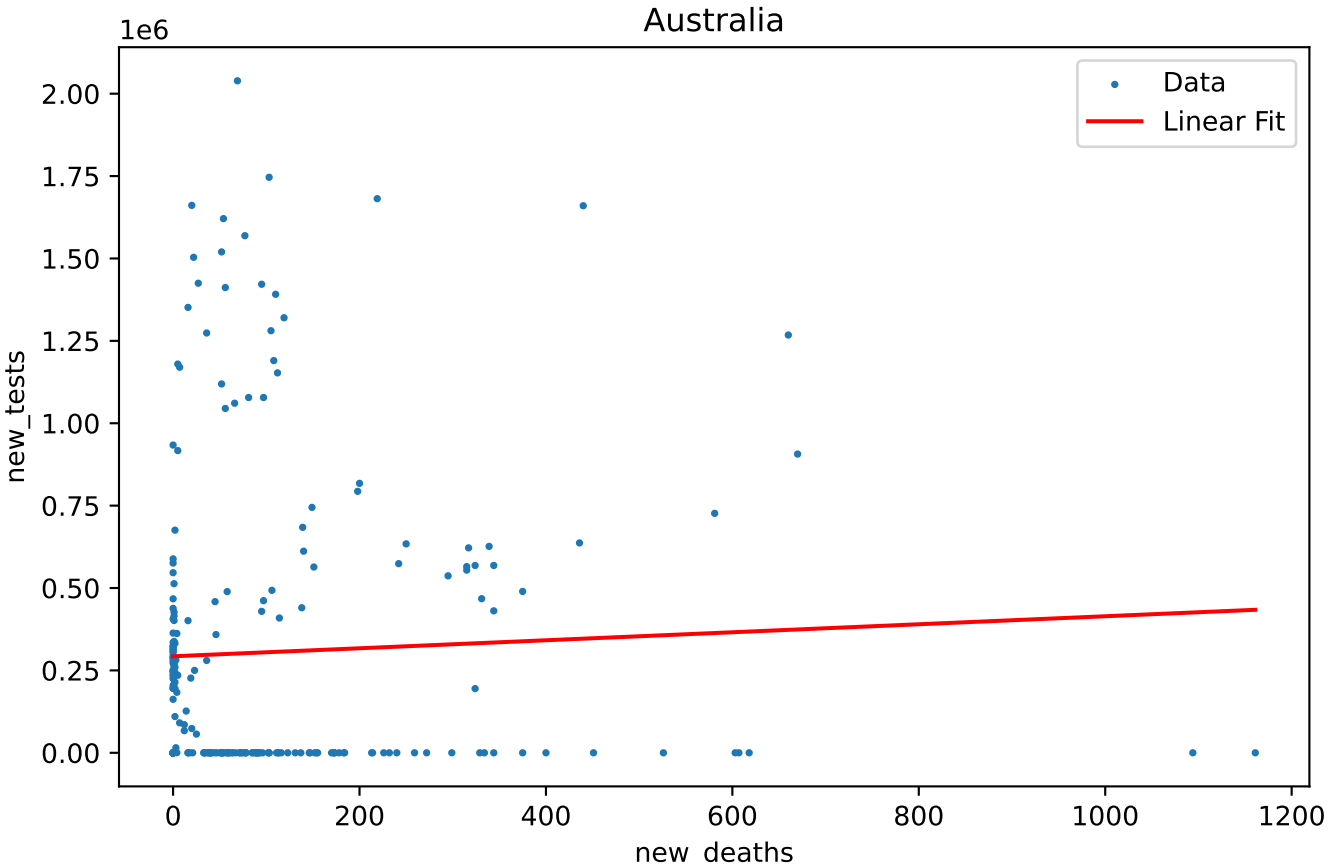
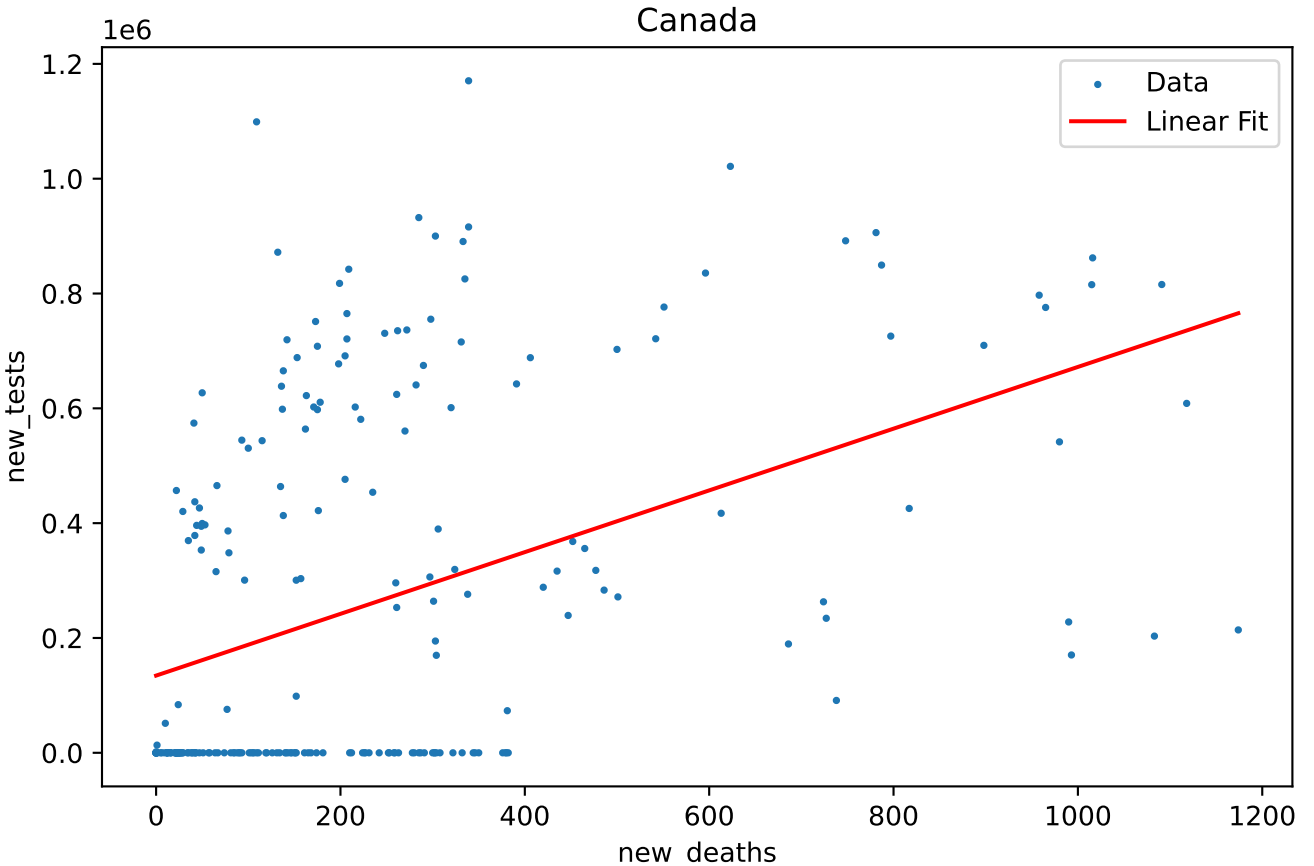
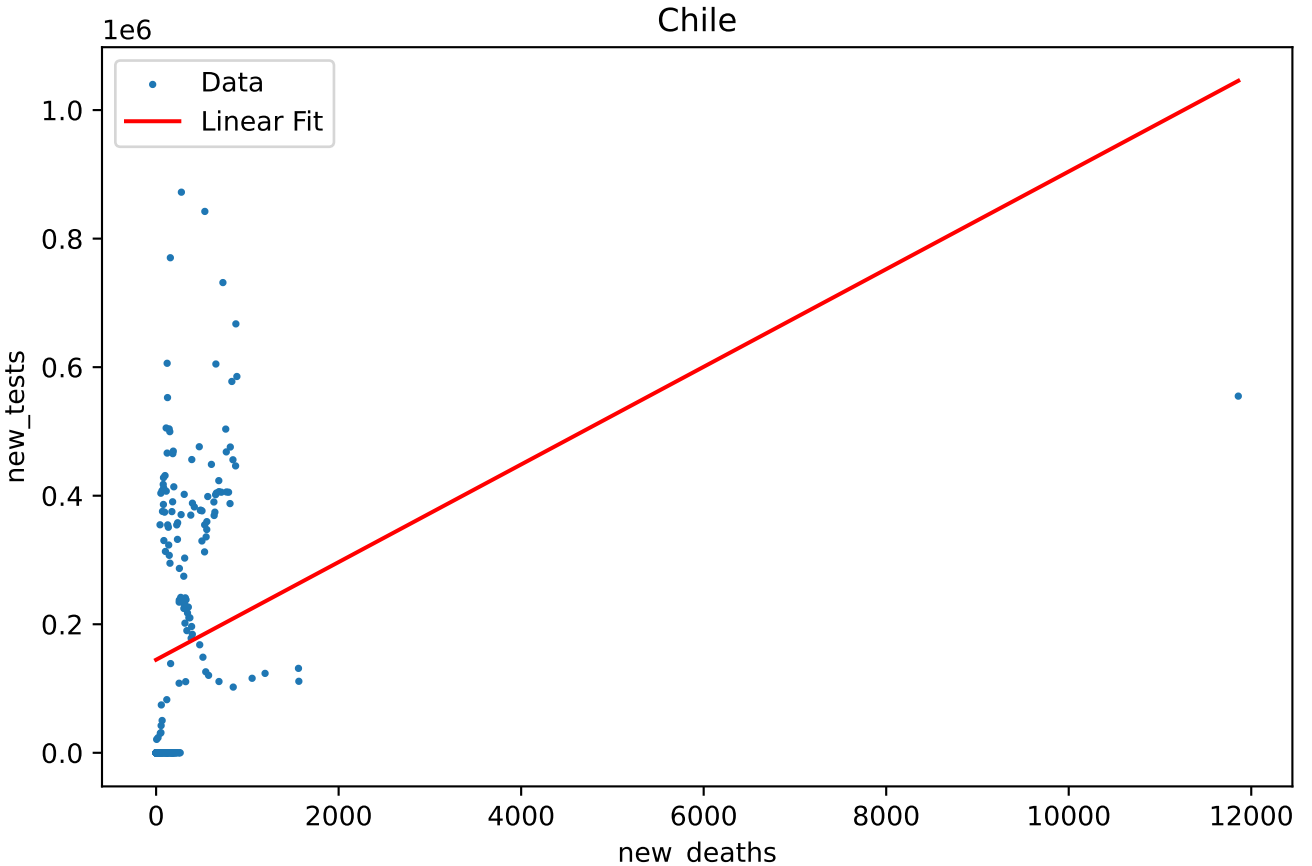
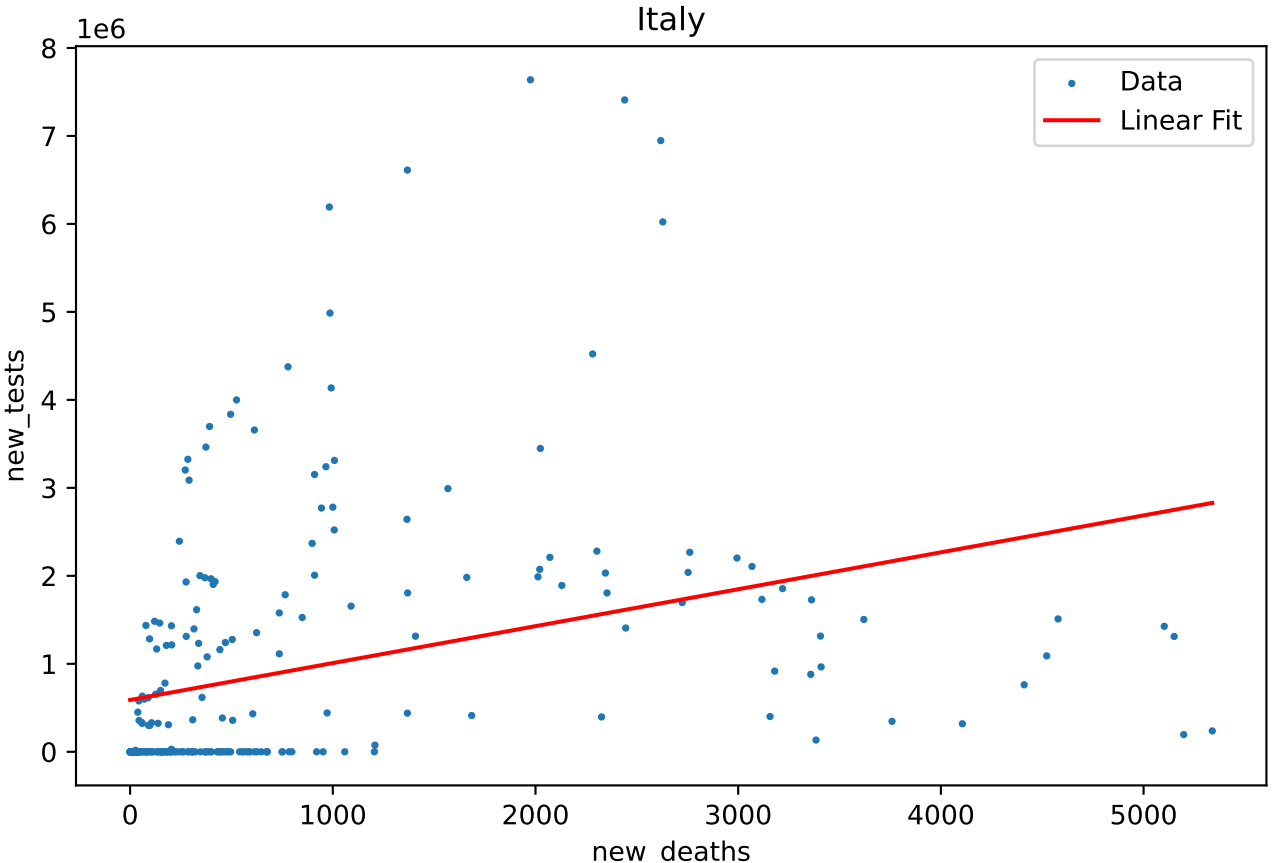
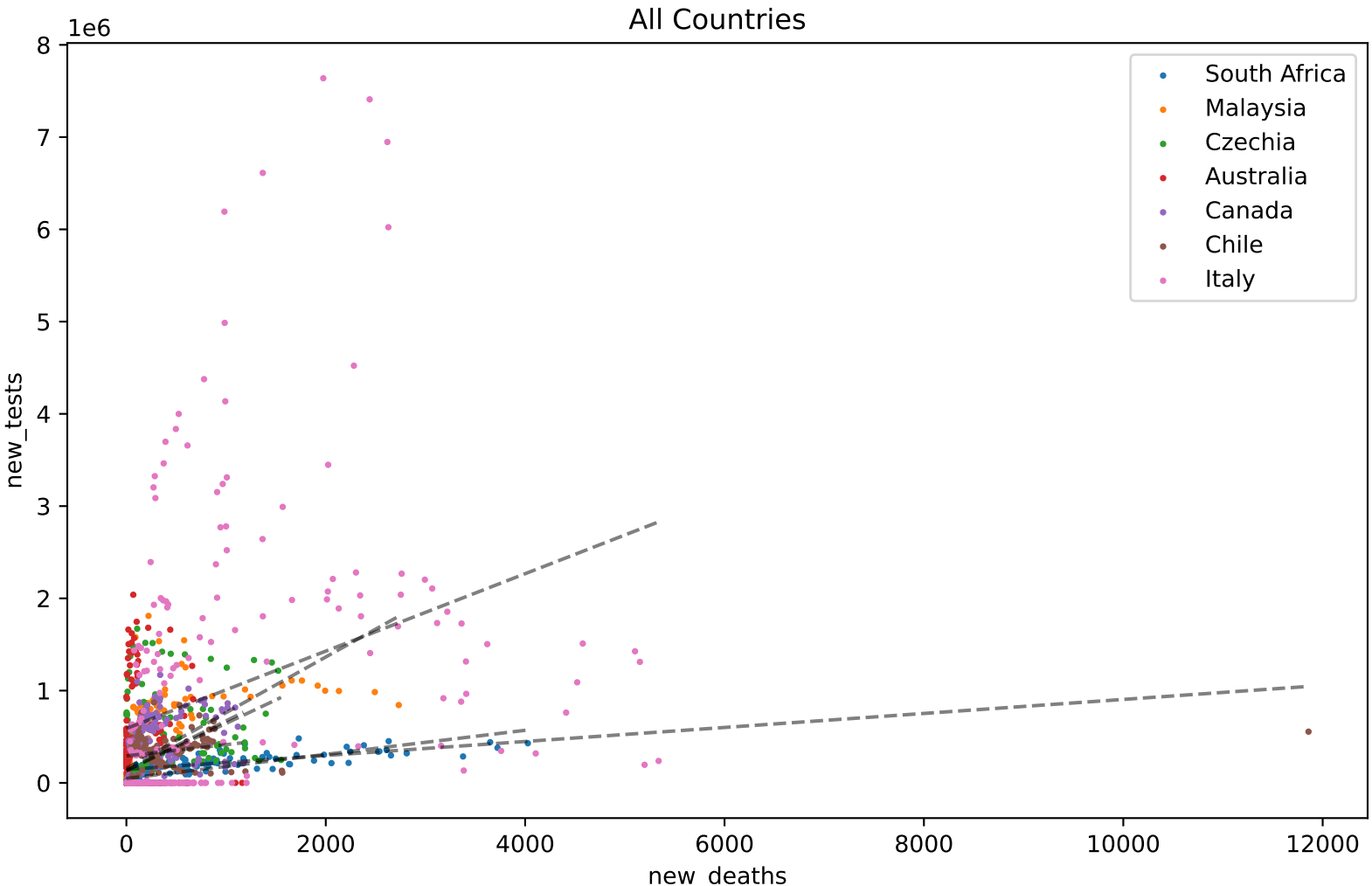
1.50
1.25
1.00
0.75
0.50
0.25
0.00
new_tests
0
200
400
600
800
1000
1200
1400
1600
new_deaths
Data
Linear Fit

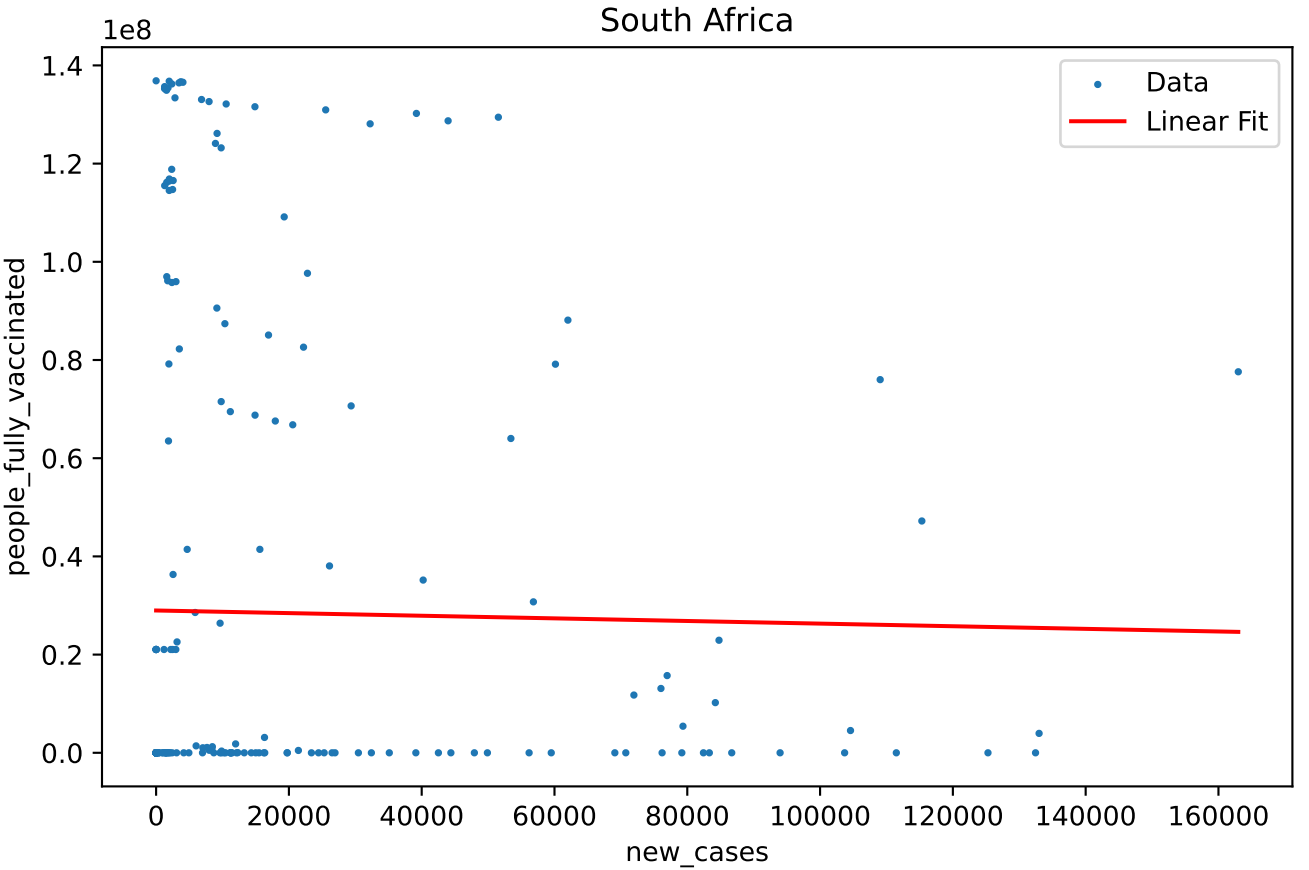

Australia
1e6
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
new_tests
0
200
400
600
800
1000
1200
new_deaths
Data
Linear Fit

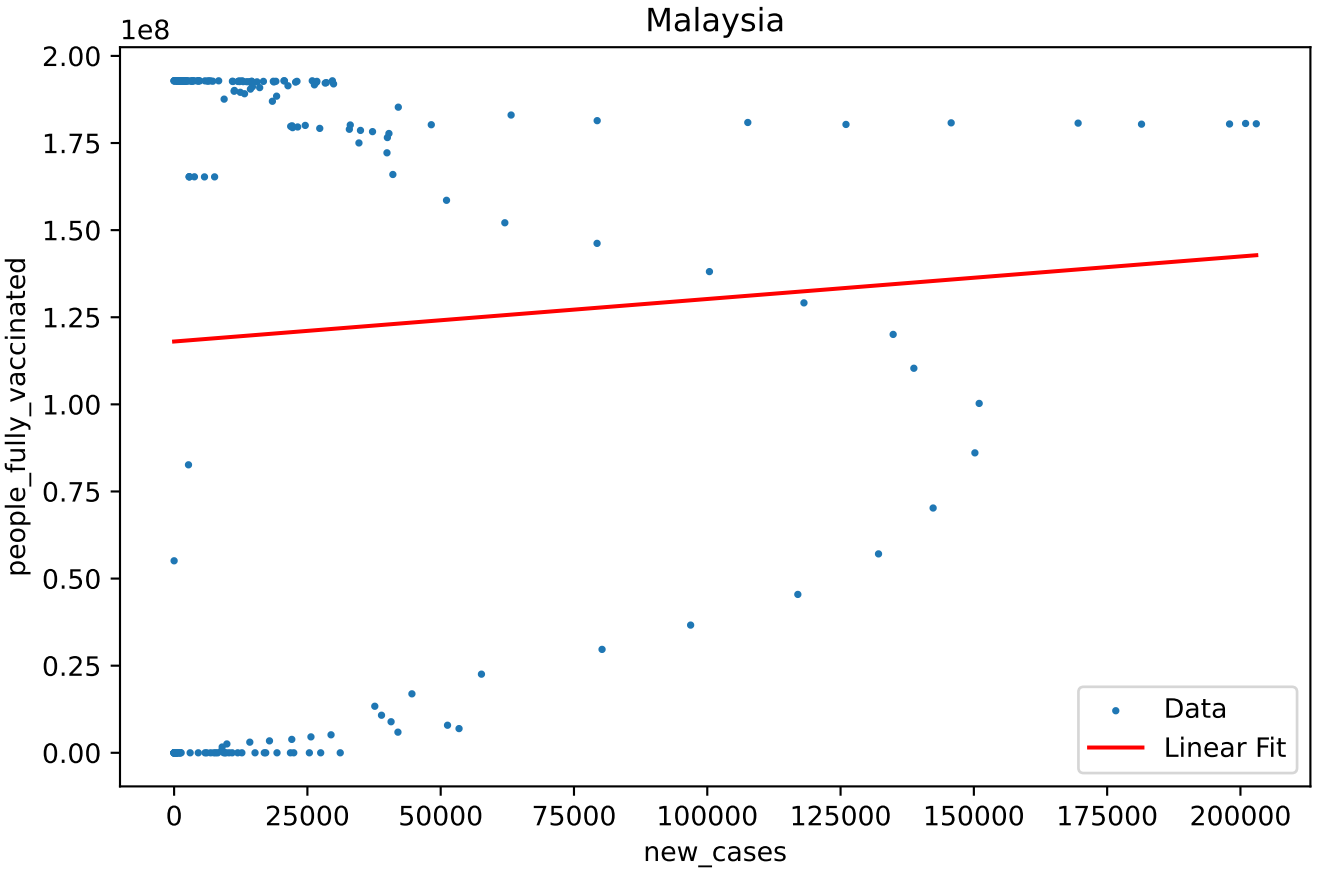

Canada
1e6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
new_tests
0
200
400
600
800
1000
1200
new_deaths
Data
Linear Fit

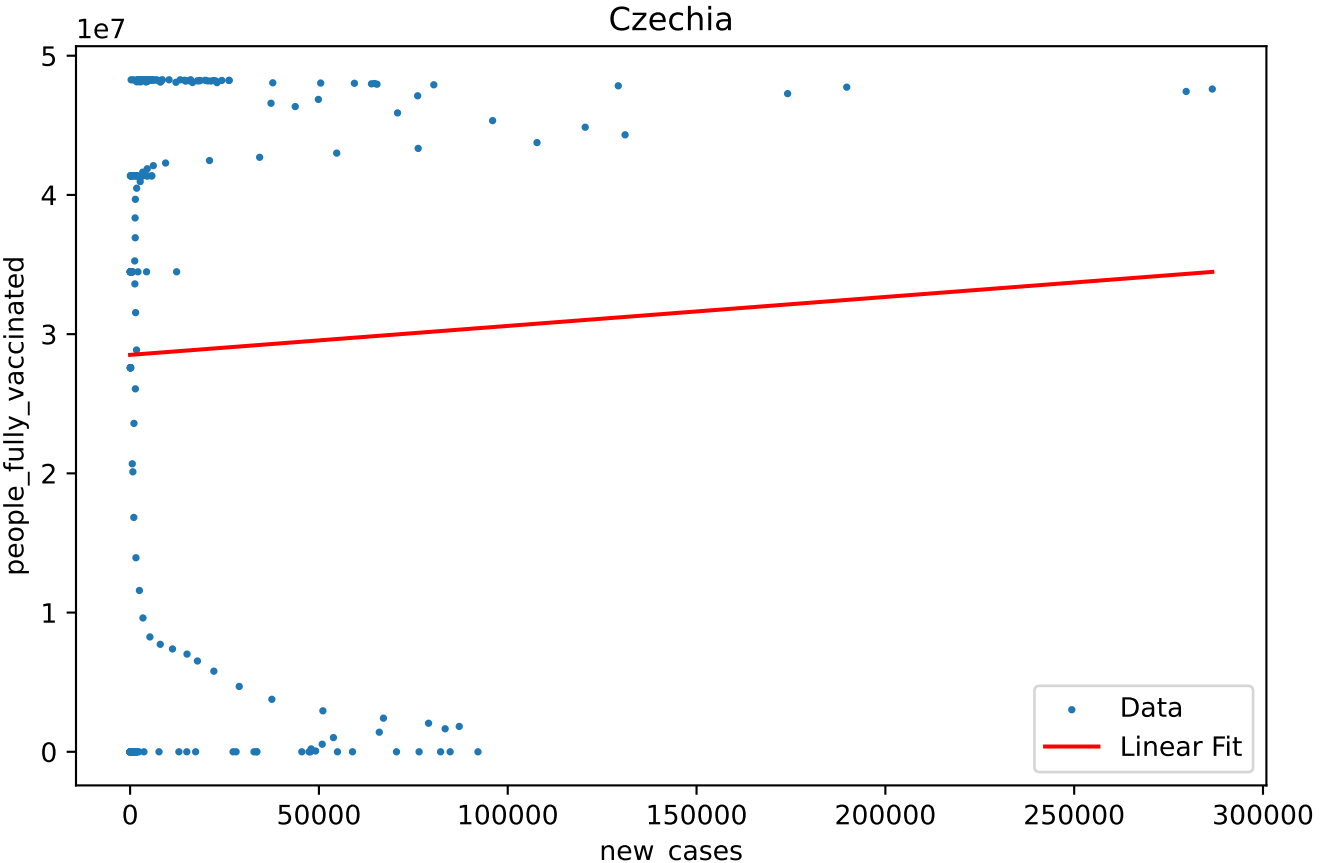

Chile
1e6
Data
Linear Fit
1.0
0.8
0.6
0.4
0.2
0.0
new_tests
0
2000
4000
6000
8000
10000
12000
new_deaths

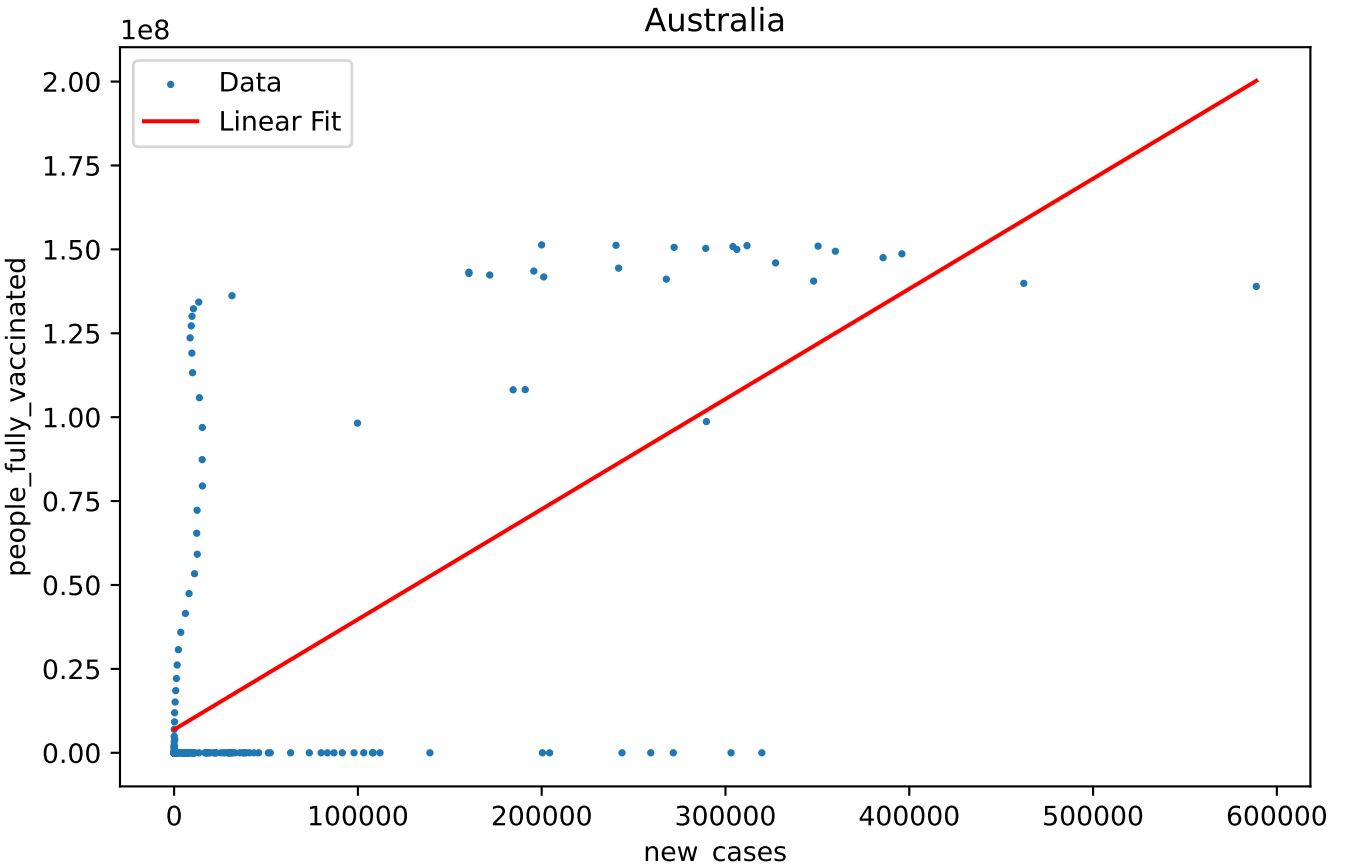

Italy
1e6
8
7
6
5
4
3
2
1
0
new_tests
0
1000
2000
3000
4000
5000
new_deaths
Data
Linear Fit

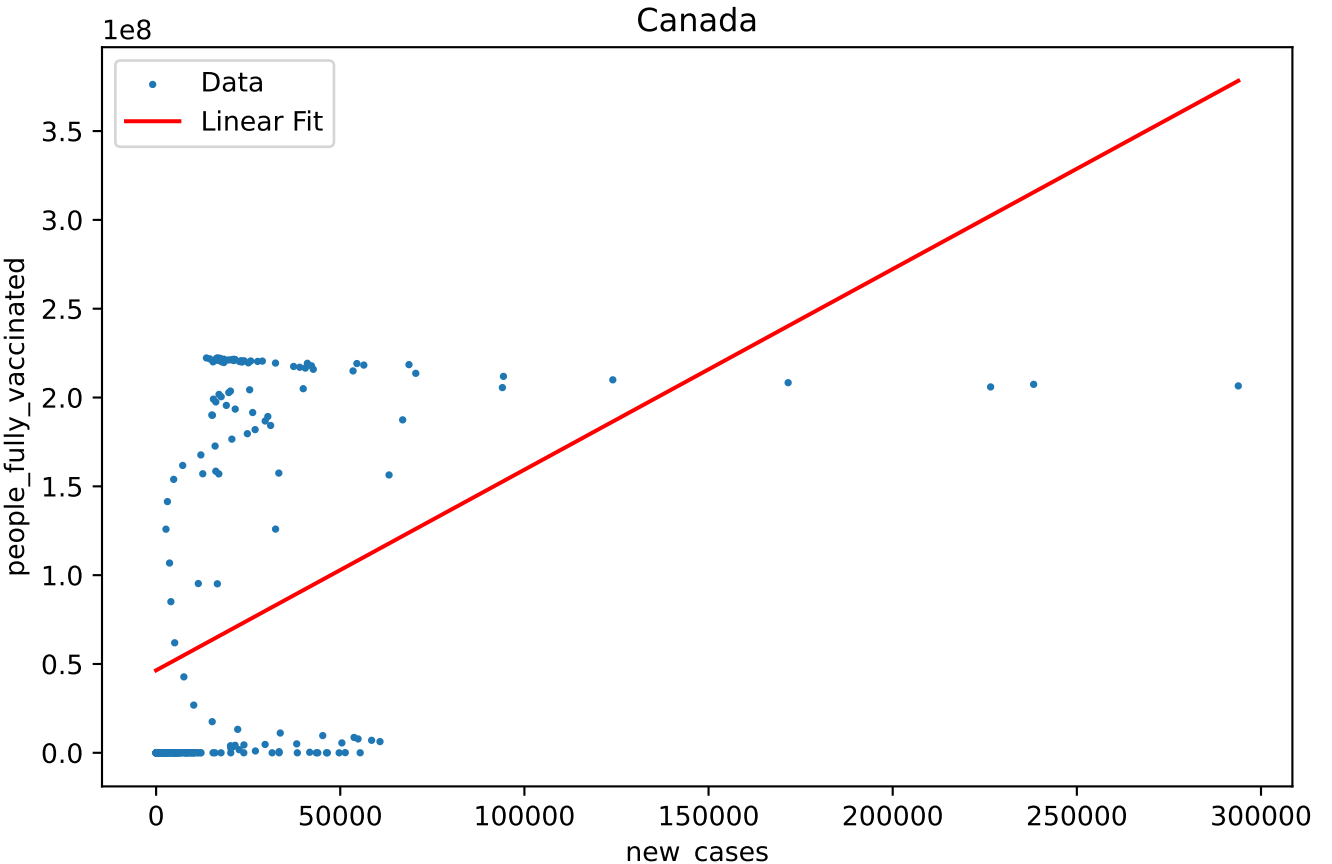

All Countries
1e6
8
7
6
5
4
3
2
1
0
new_tests
0
2000
4000
6000
8000
10000
12000
new_deaths
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

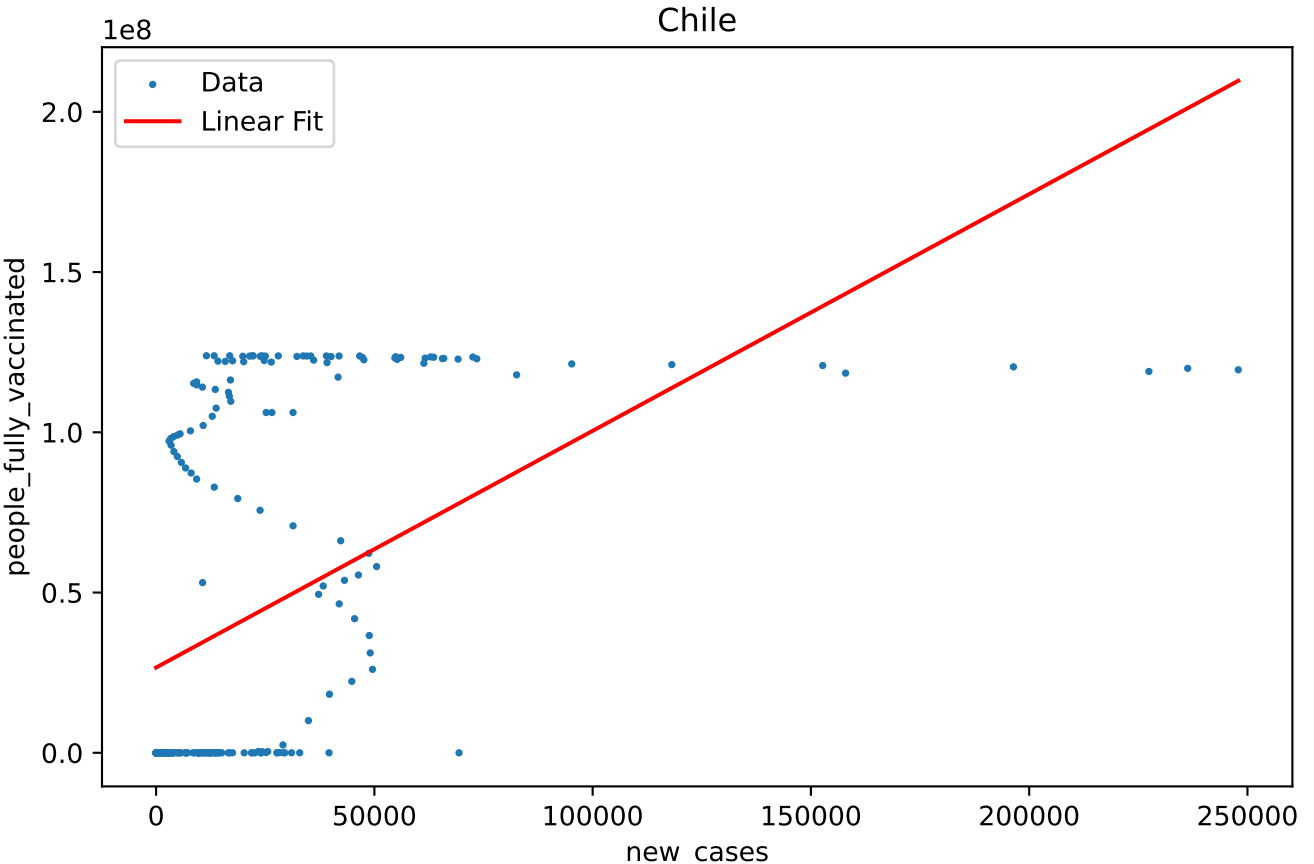

South Africa
1e8
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
people_fully_vaccinated
0
20000
40000
60000
80000
100000
120000
140000
160000
new_cases
Data
Linear Fit

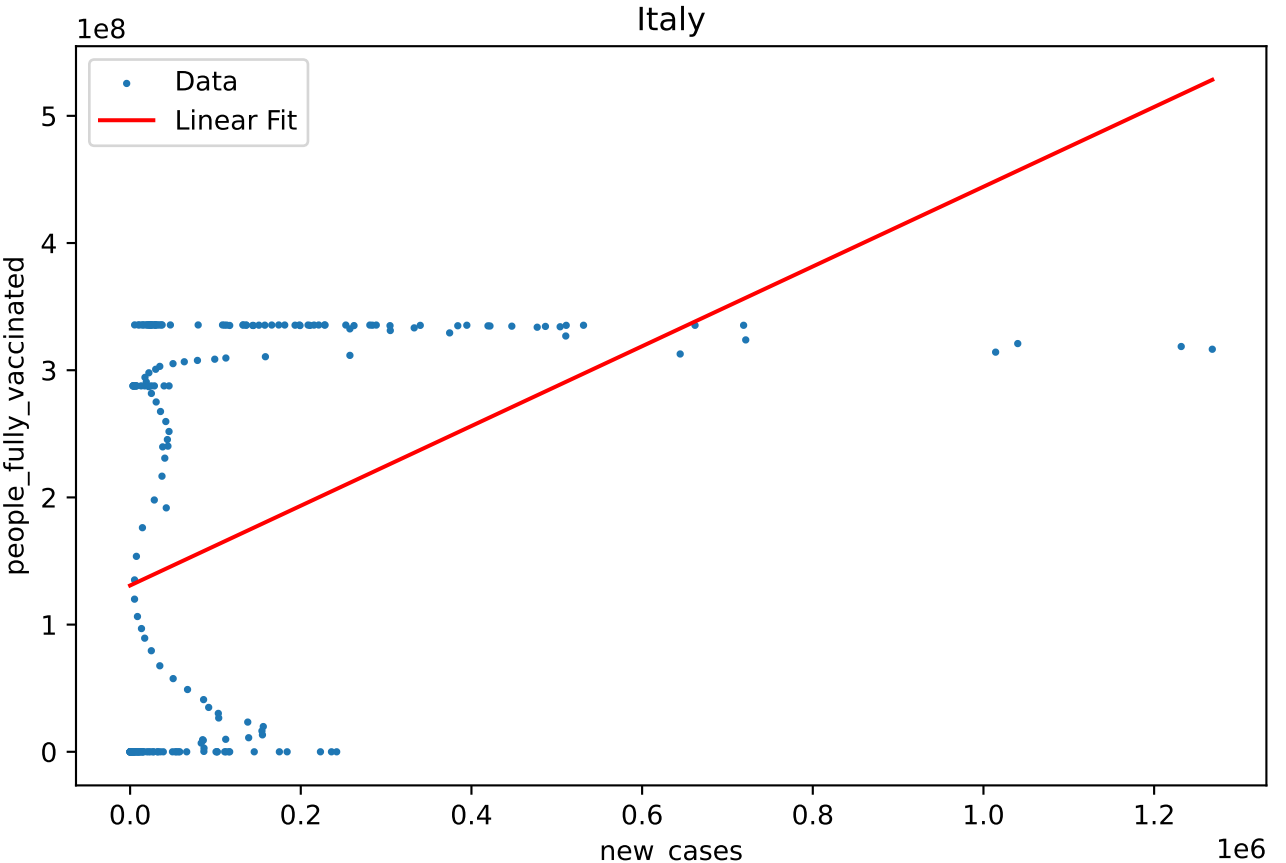

Malaysia
1e8
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
people_fully_vaccinated
0
25000
50000
75000
100000
125000
150000
175000
200000
new_cases
Data
Linear Fit

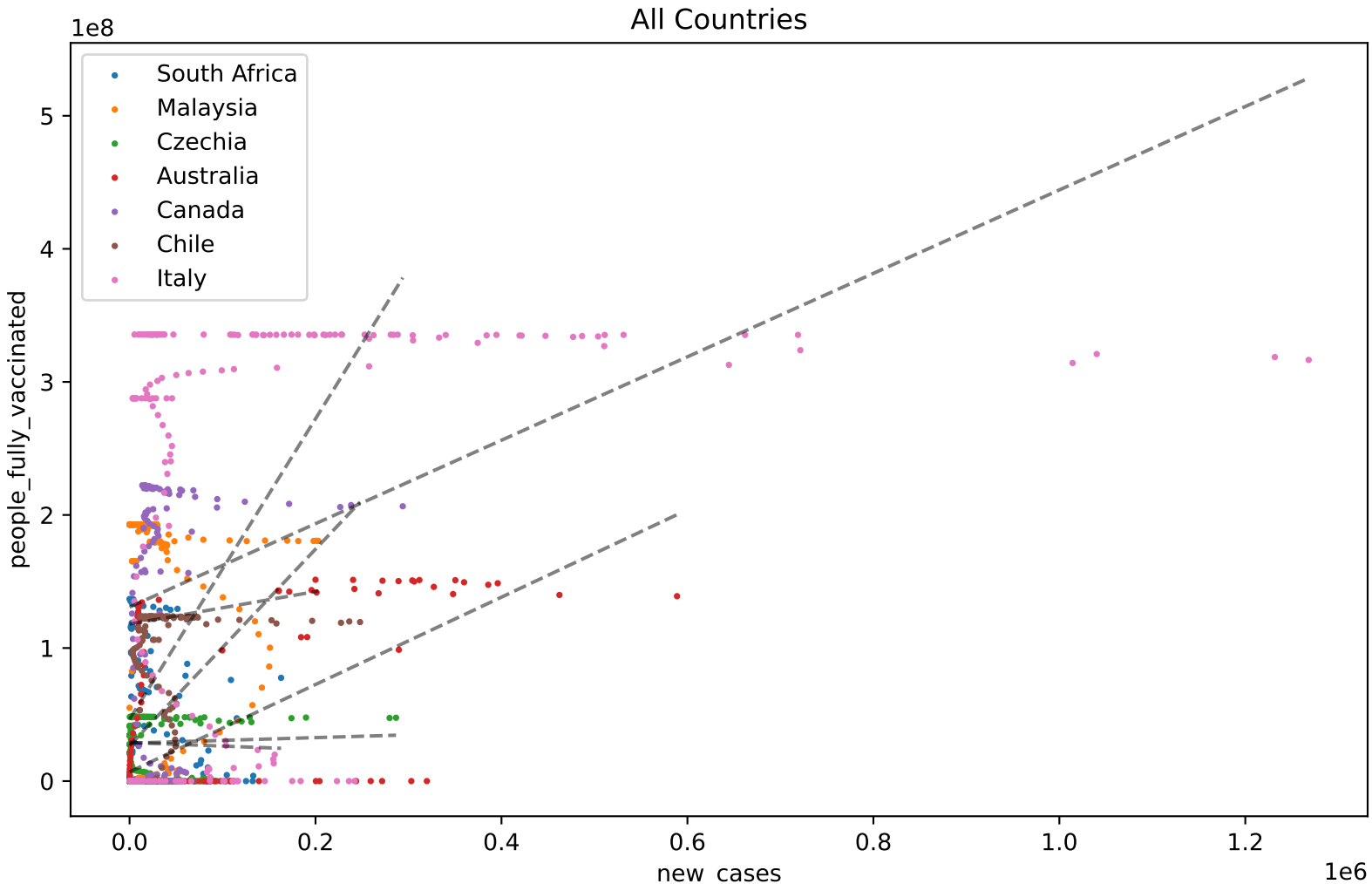

Czechia
1e7
5
4
3
2
1
0
people_fully_vaccinated
0
50000
100000
150000
200000
250000
300000
new_cases
Data
Linear Fit

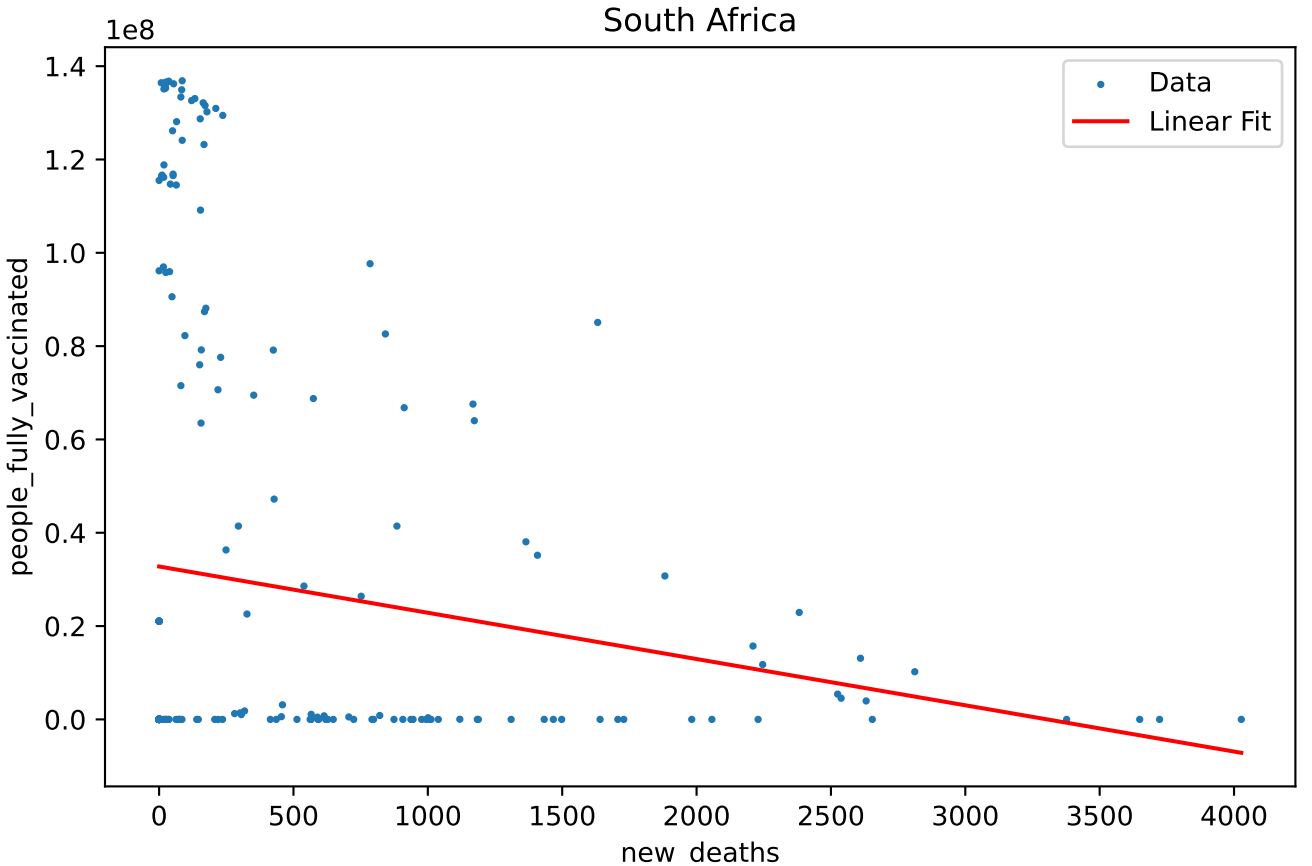

Australia
1e8
Data
Linear Fit
people_fully_vaccinated
new_cases
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
100000
200000
300000
400000
500000
600000

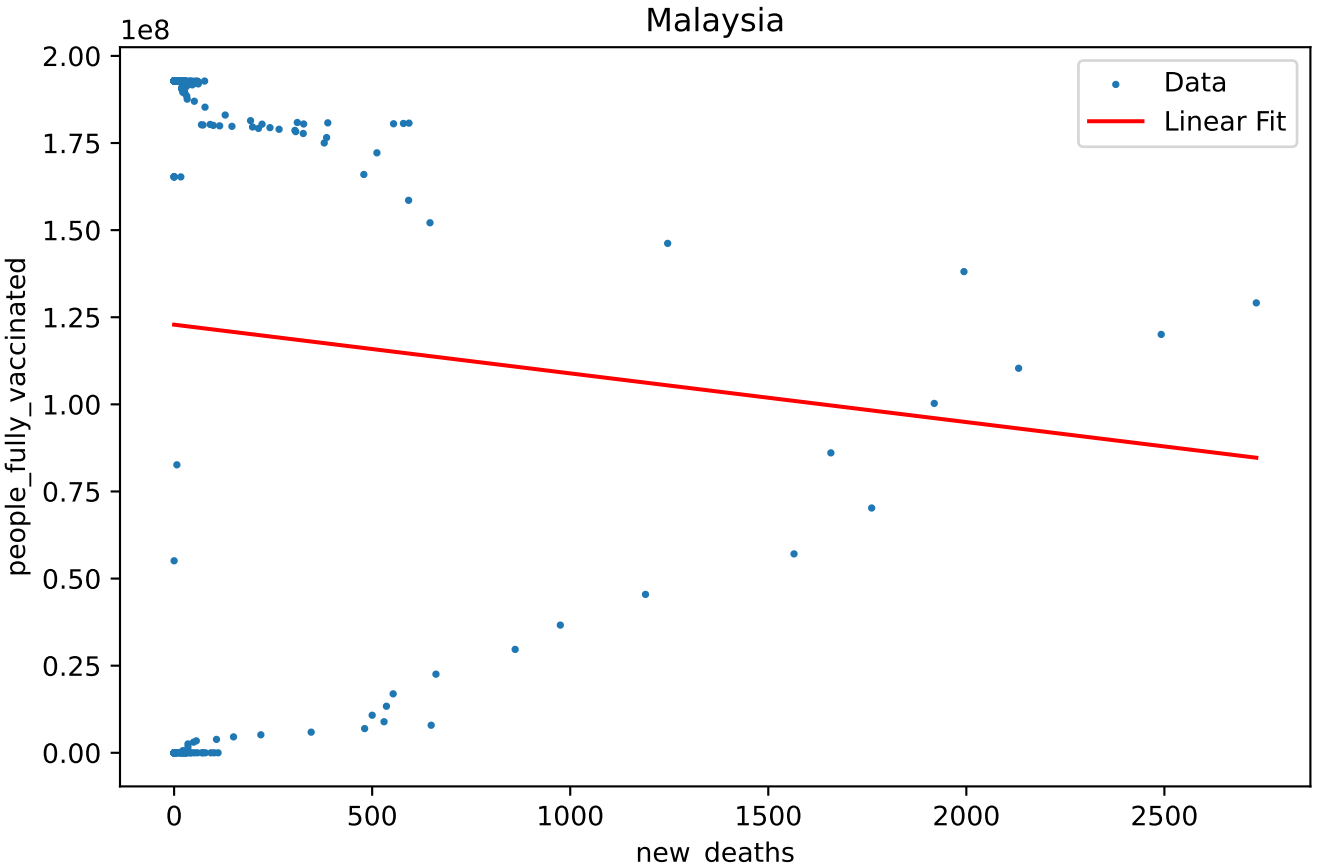

Canada
1e8
Data
Linear Fit
people_fully_vaccinated
new_cases
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
0
50000
100000
150000
200000
250000
300000

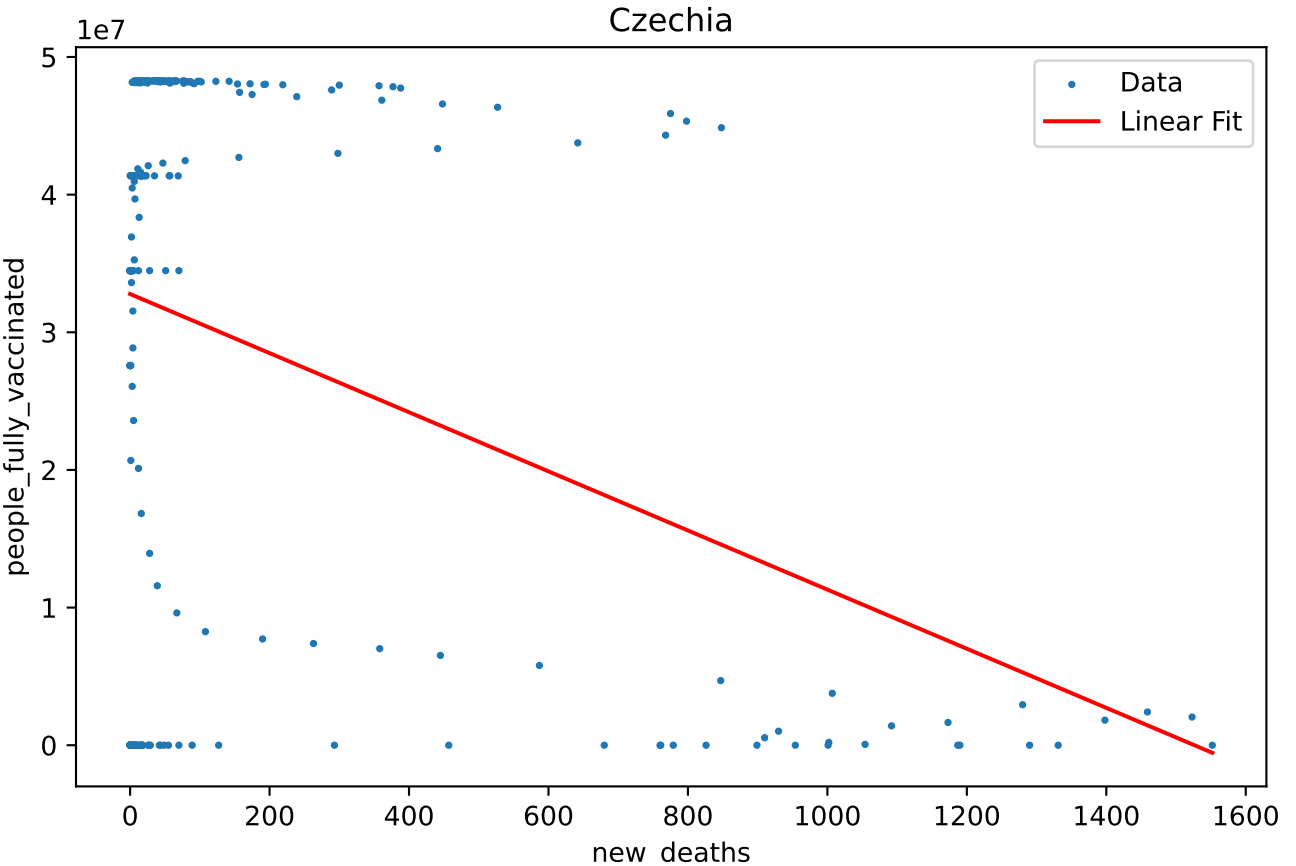

Chile
1e8
Data
Linear Fit
people_fully_vaccinated
new_cases
0.0
0.5
1.0
1.5
2.0
0
50000
100000
150000
200000
250000

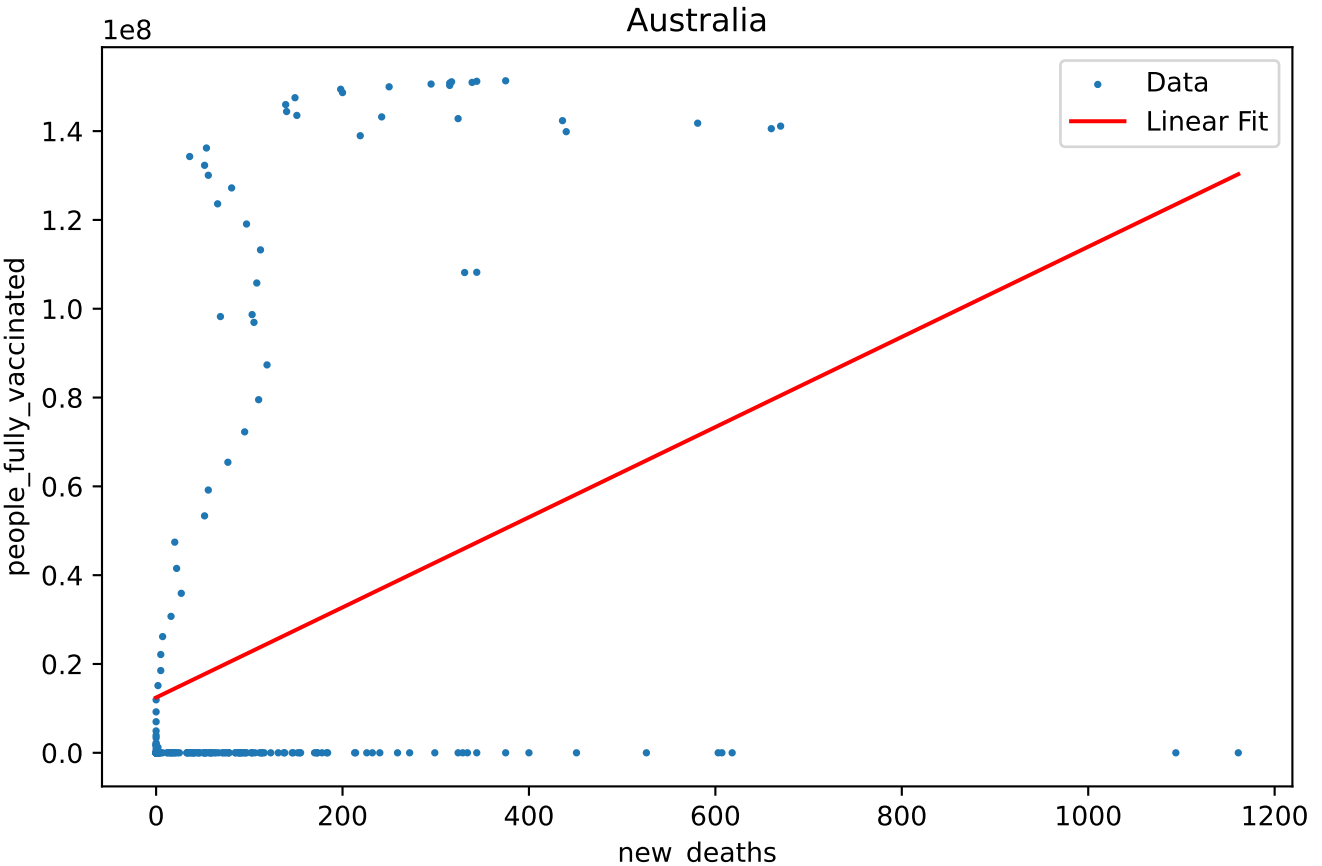

Italy
1e8
Data
Linear Fit
people_fully_vaccinated
0
1
2
3
4
5
0.0
0.2
0.4
0.6
0.8
1.0
1.2
new_cases
1e6

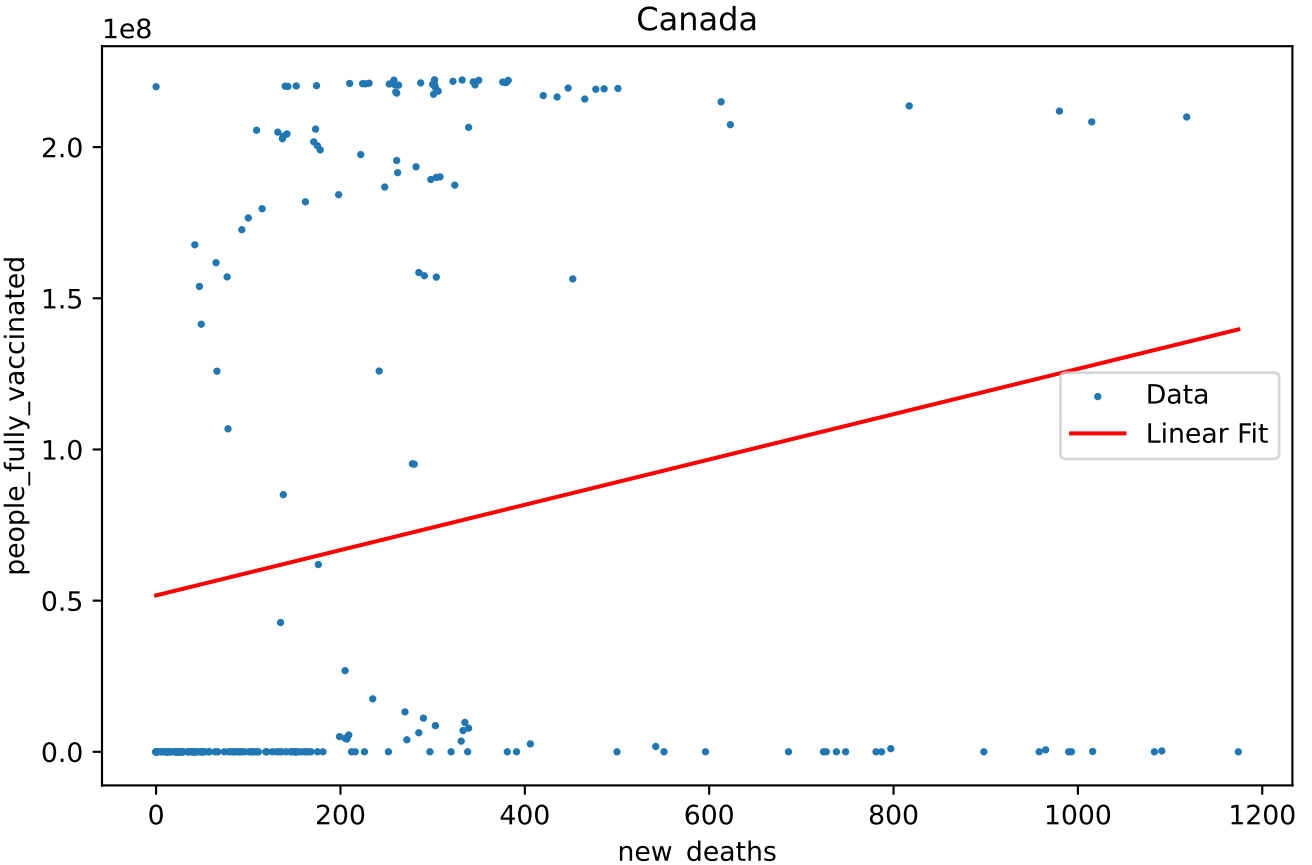

All Countries
1e8
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
people_fully_vaccinated
0
1
2
3
4
5
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

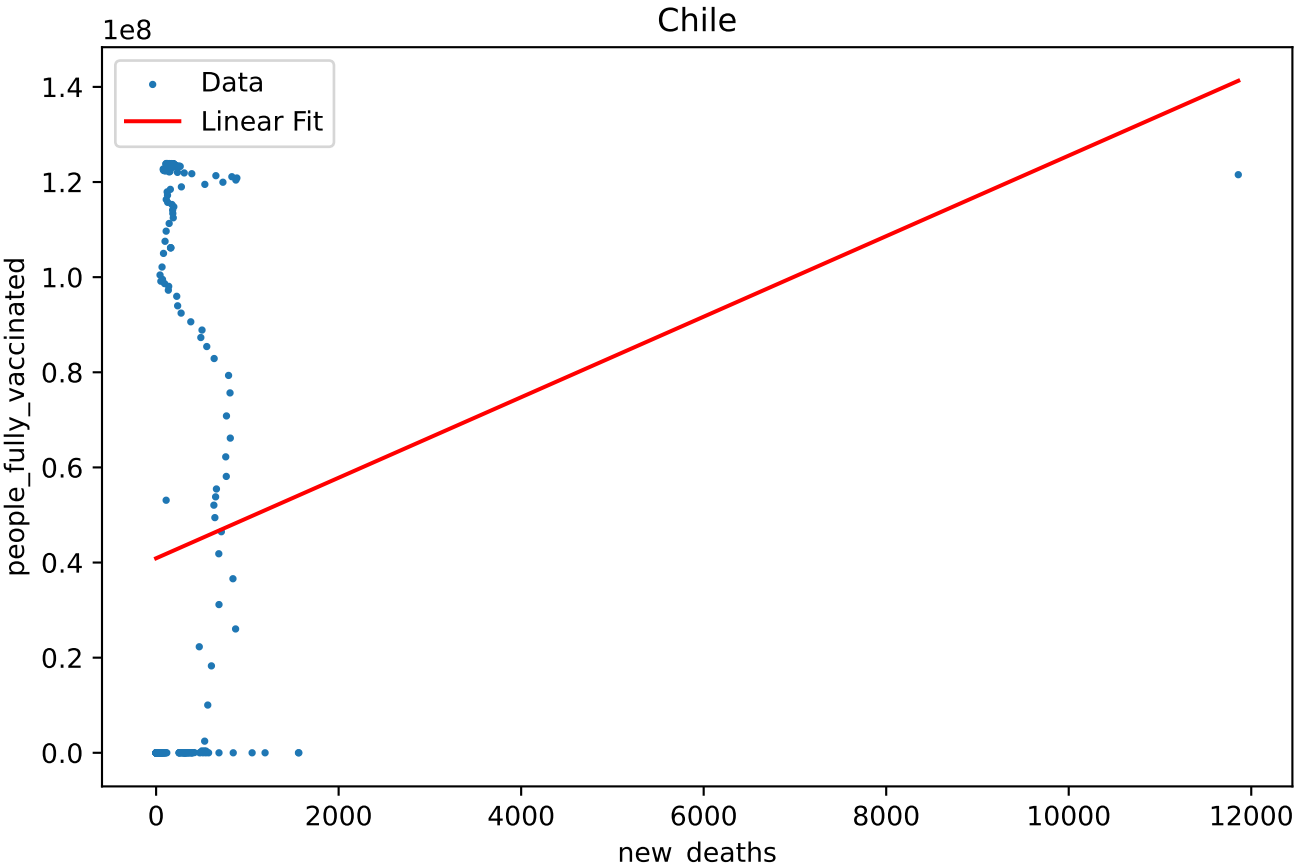

South Africa
1e8
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
people_fully_vaccinated
0
500
1000
1500
2000
2500
3000
3500
4000
new_deaths
Data
Linear Fit

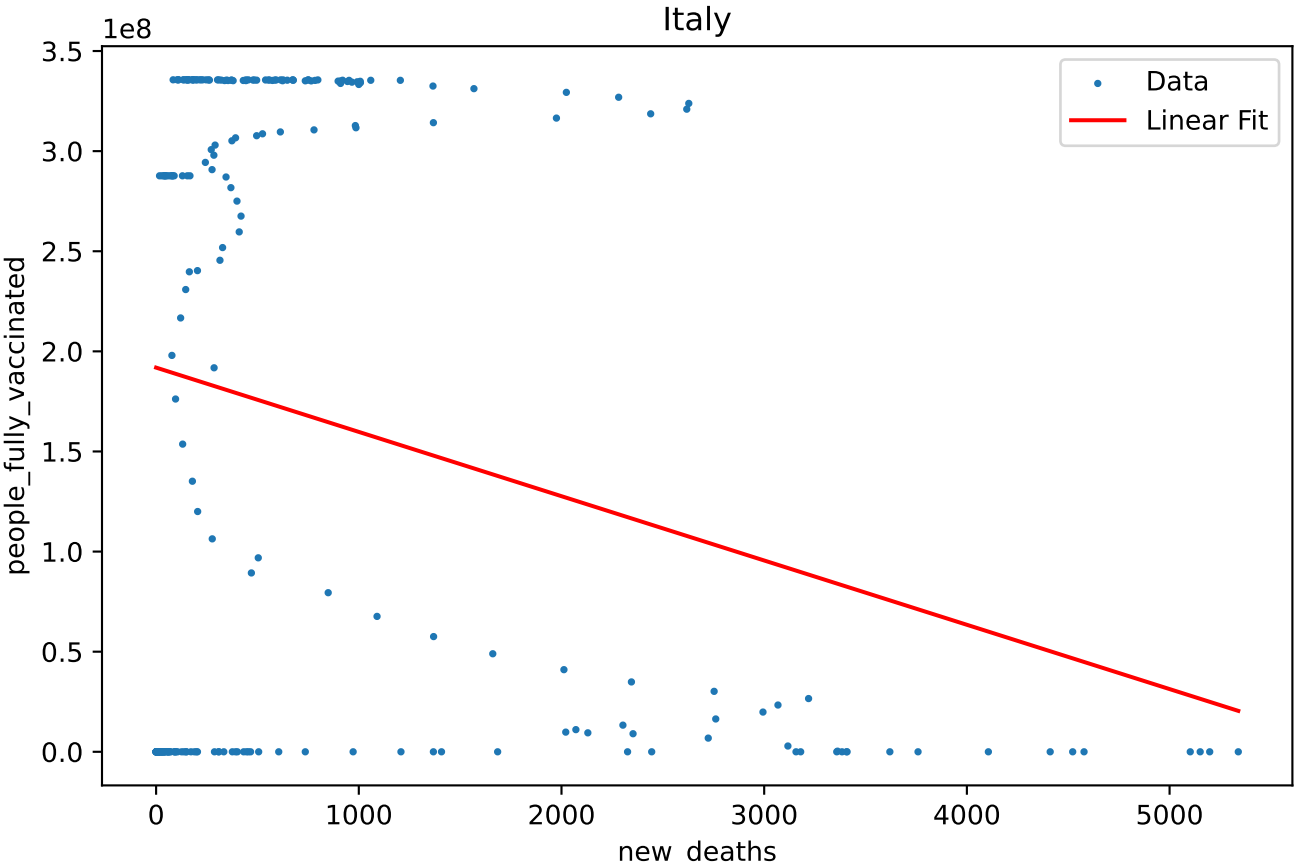

Malaysia
1e8
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
people_fully_vaccinated
0
500
1000
1500
2000
2500
new_deaths
Data
Linear Fit

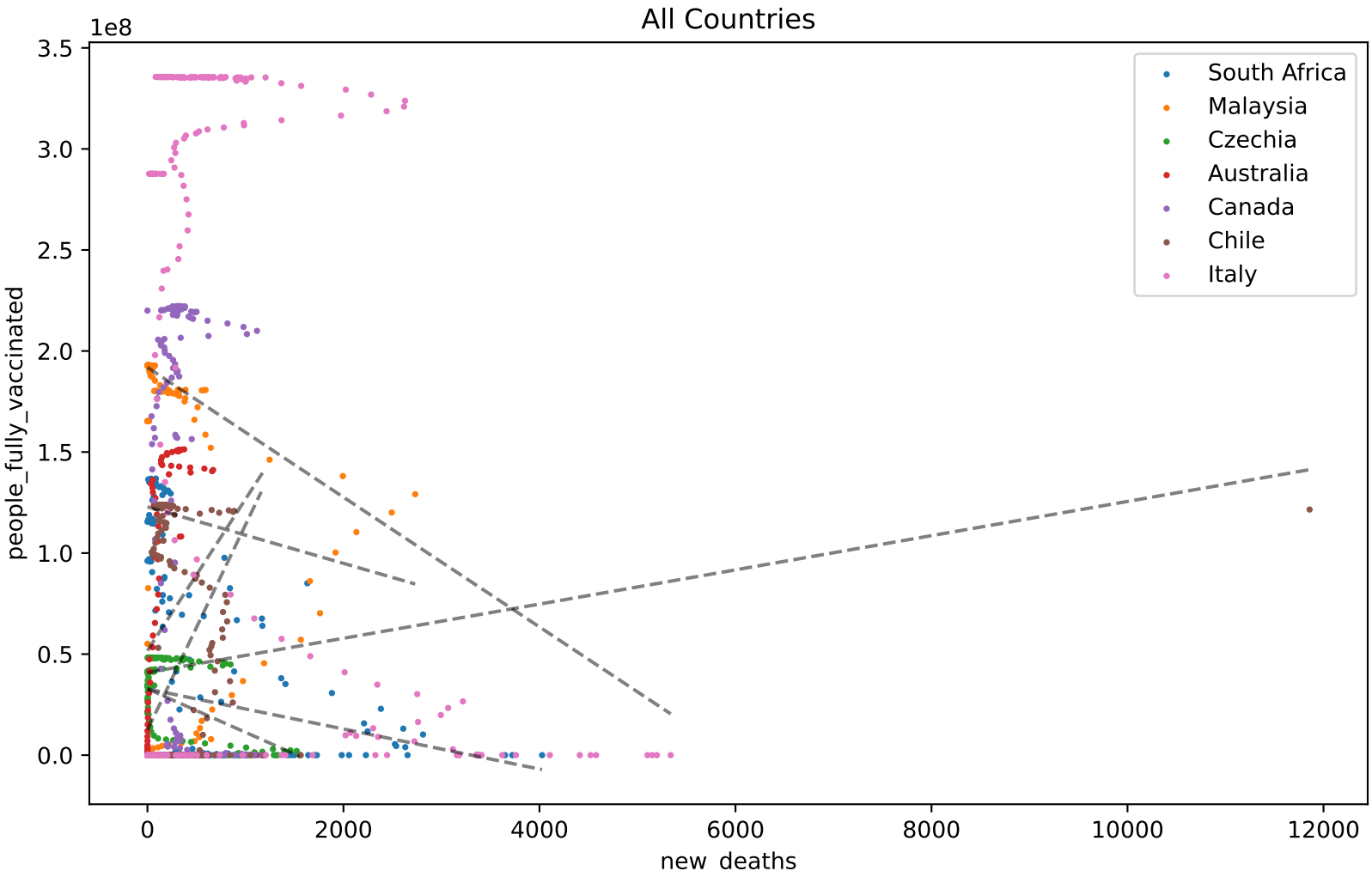

Czechia
1e7
5
4
3
2
1
0
people_fully_vaccinated
0
200
400
600
800
1000
1200
1400
1600
new_deaths
Data
Linear Fit

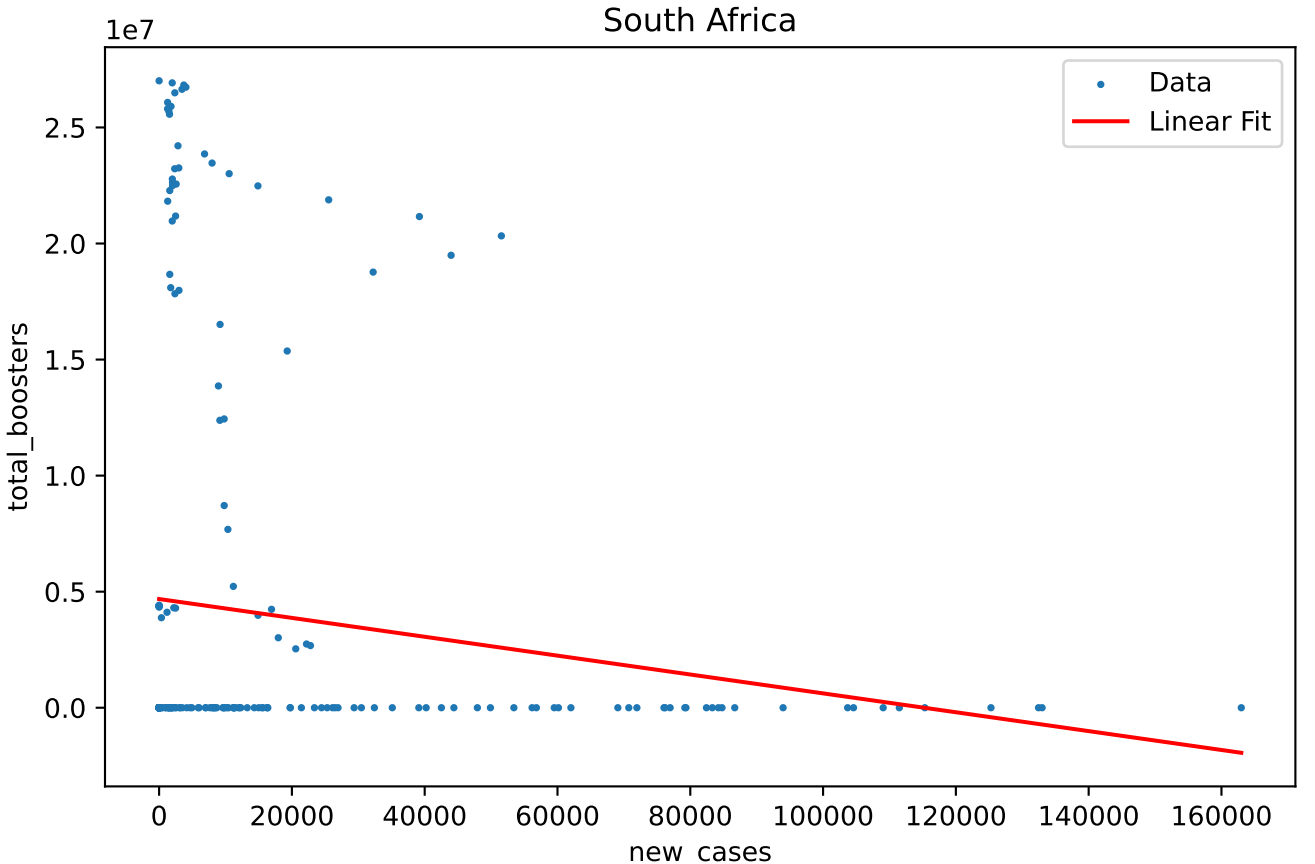

Australia
1e8
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
people_fully_vaccinated
0
200
400
600
800
1000
1200
new_deaths
Data
Linear Fit

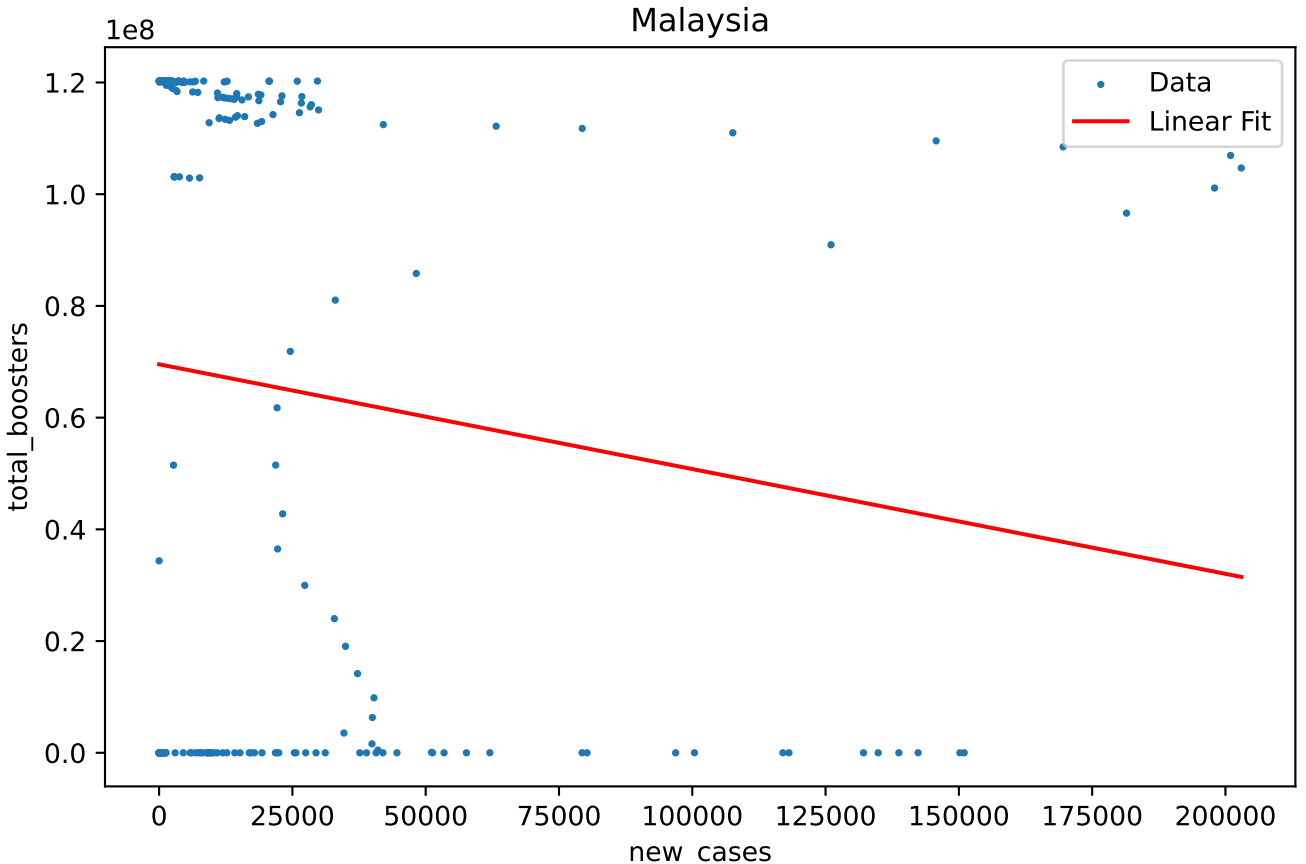

Canada
1e8
2.0
1.5
1.0
0.5
0.0
people_fully_vaccinated
0
200
400
600
800
1000
1200
new_deaths
Data
Linear Fit

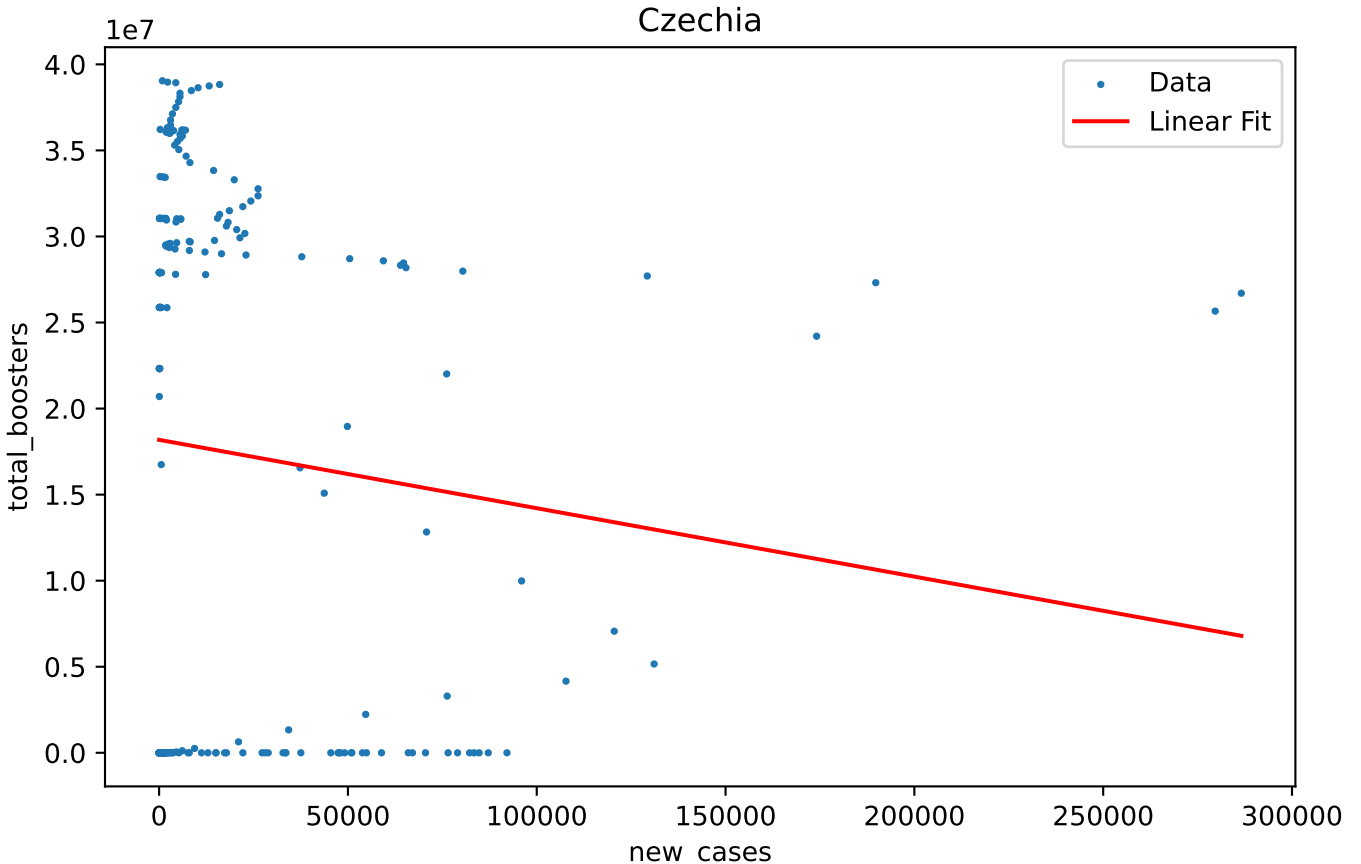

Chile
1e8
Data
Linear Fit
people_fully_vaccinated
new_deaths
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0
2000
4000
6000
8000
10000
12000

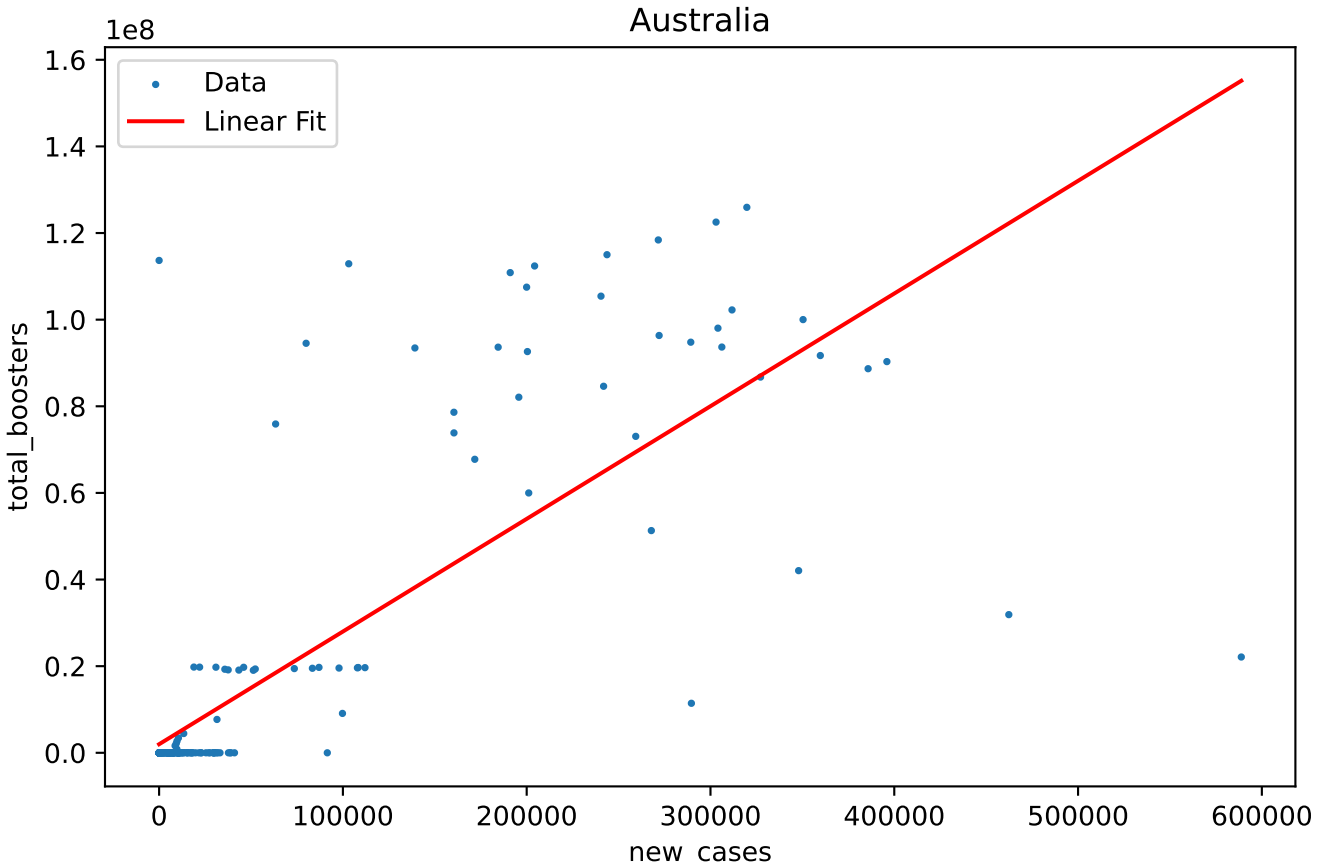

Italy
1e8
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
people_fully_vaccinated
0
1000
2000
3000
4000
5000
new_deaths
Data
Linear Fit

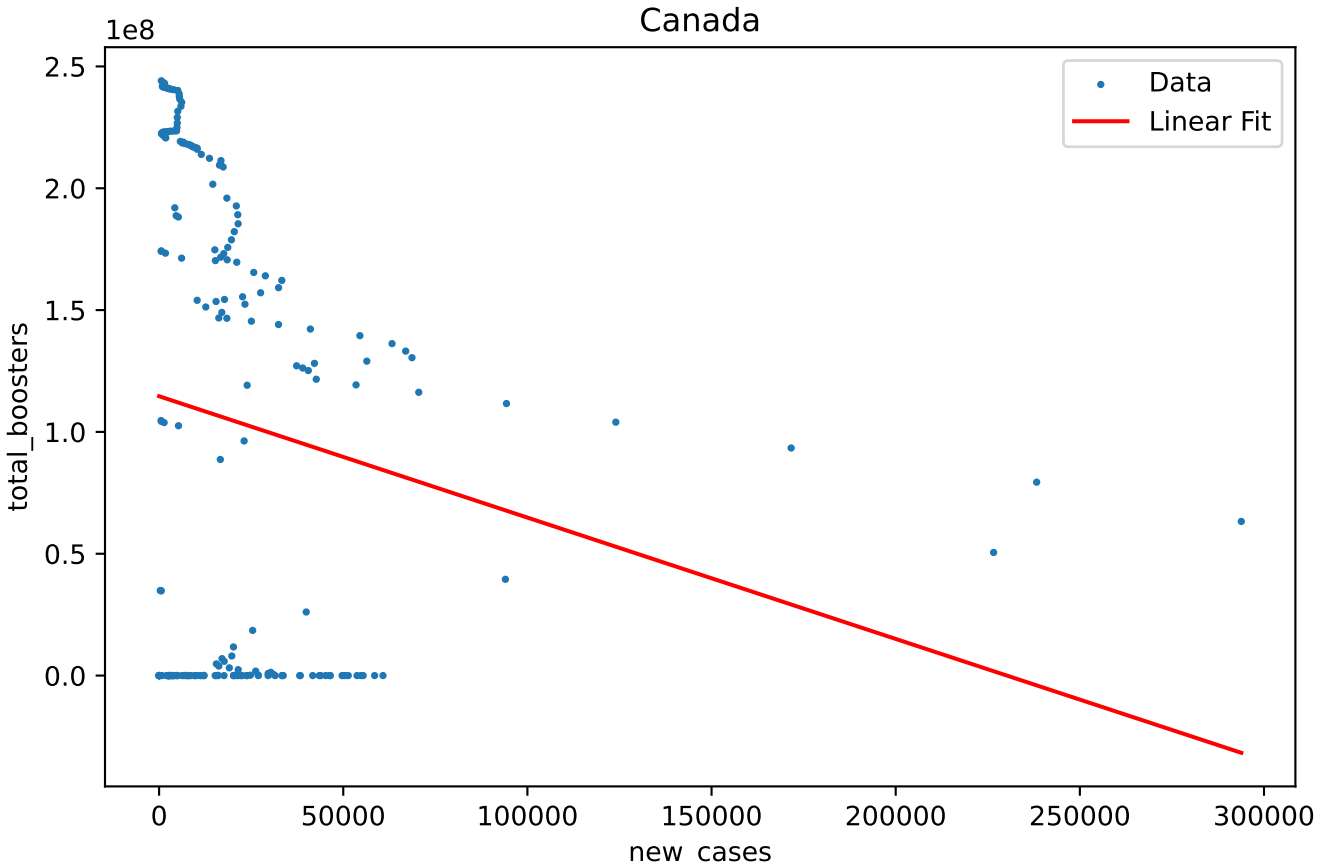

All Countries
1e8
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
people_fully_vaccinated
0
2000
4000
6000
8000
10000
12000
new_deaths
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

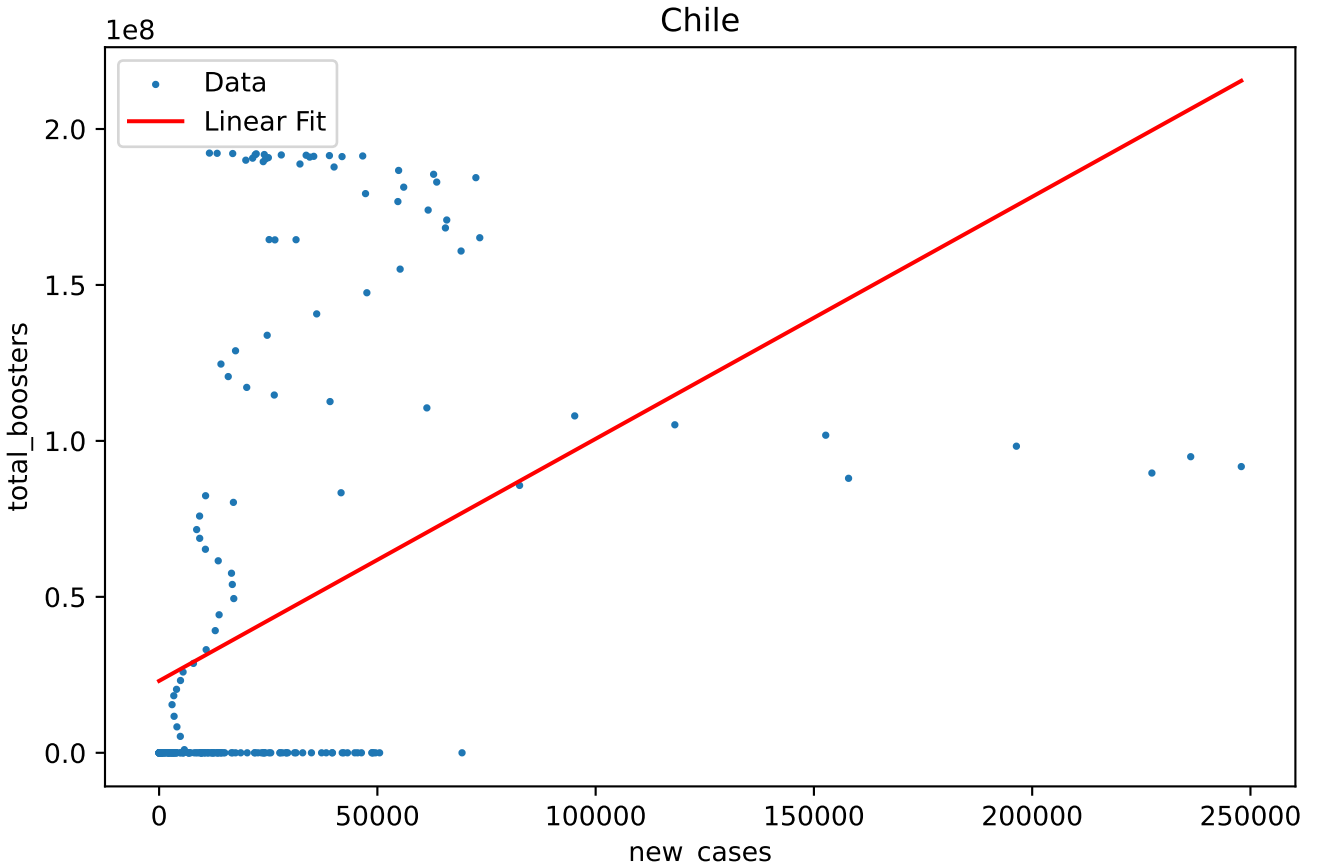

South Africa
1e7
2.5
2.0
1.5
1.0
0.5
0.0
total_boosters
0
20000
40000
60000
80000
100000
120000
140000
160000
new_cases
Data
Linear Fit

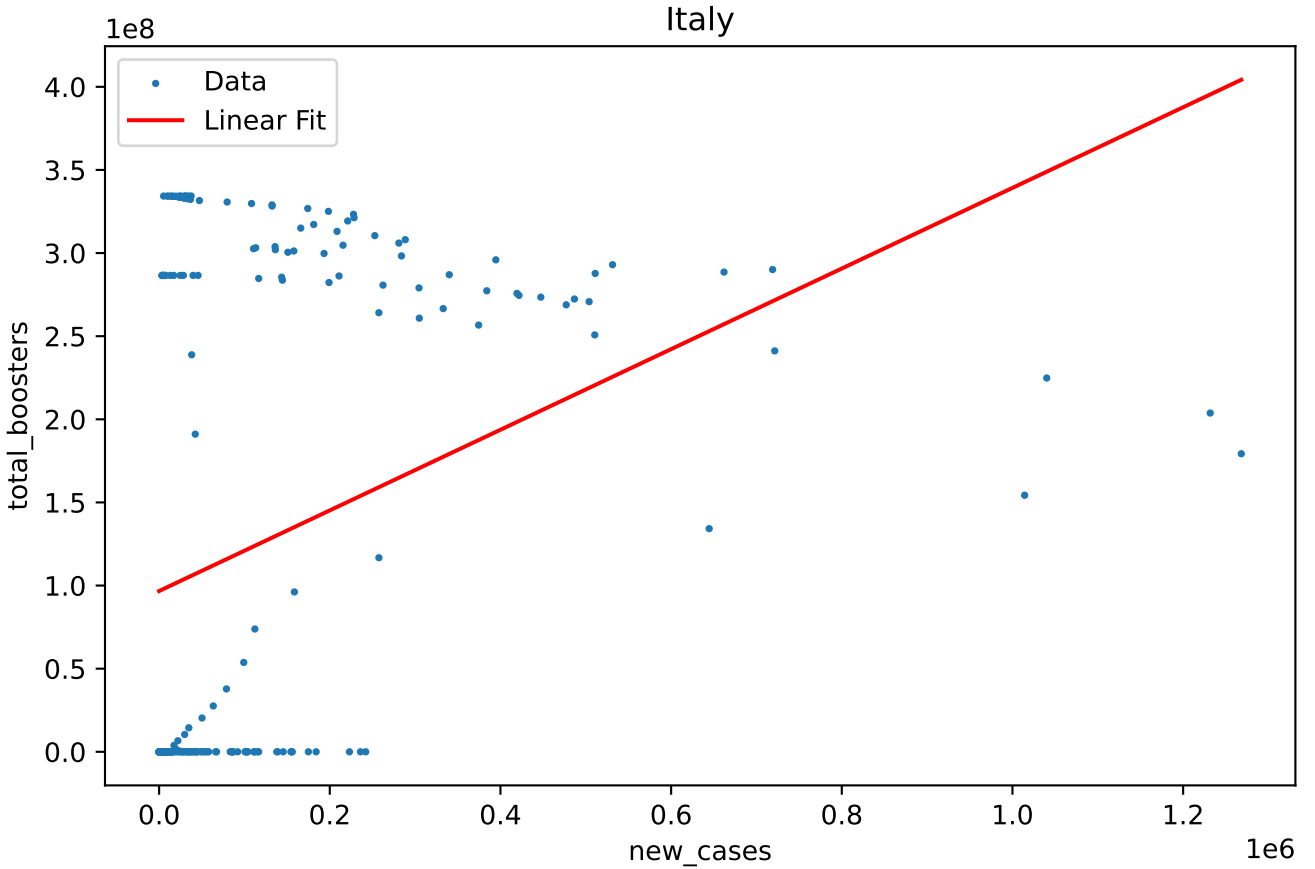

Malaysia
1e8
1.2
1.0
0.8
0.6
0.4
0.2
0.0
total_boosters
0
25000
50000
75000
100000
125000
150000
175000
200000
new_cases
Data
Linear Fit

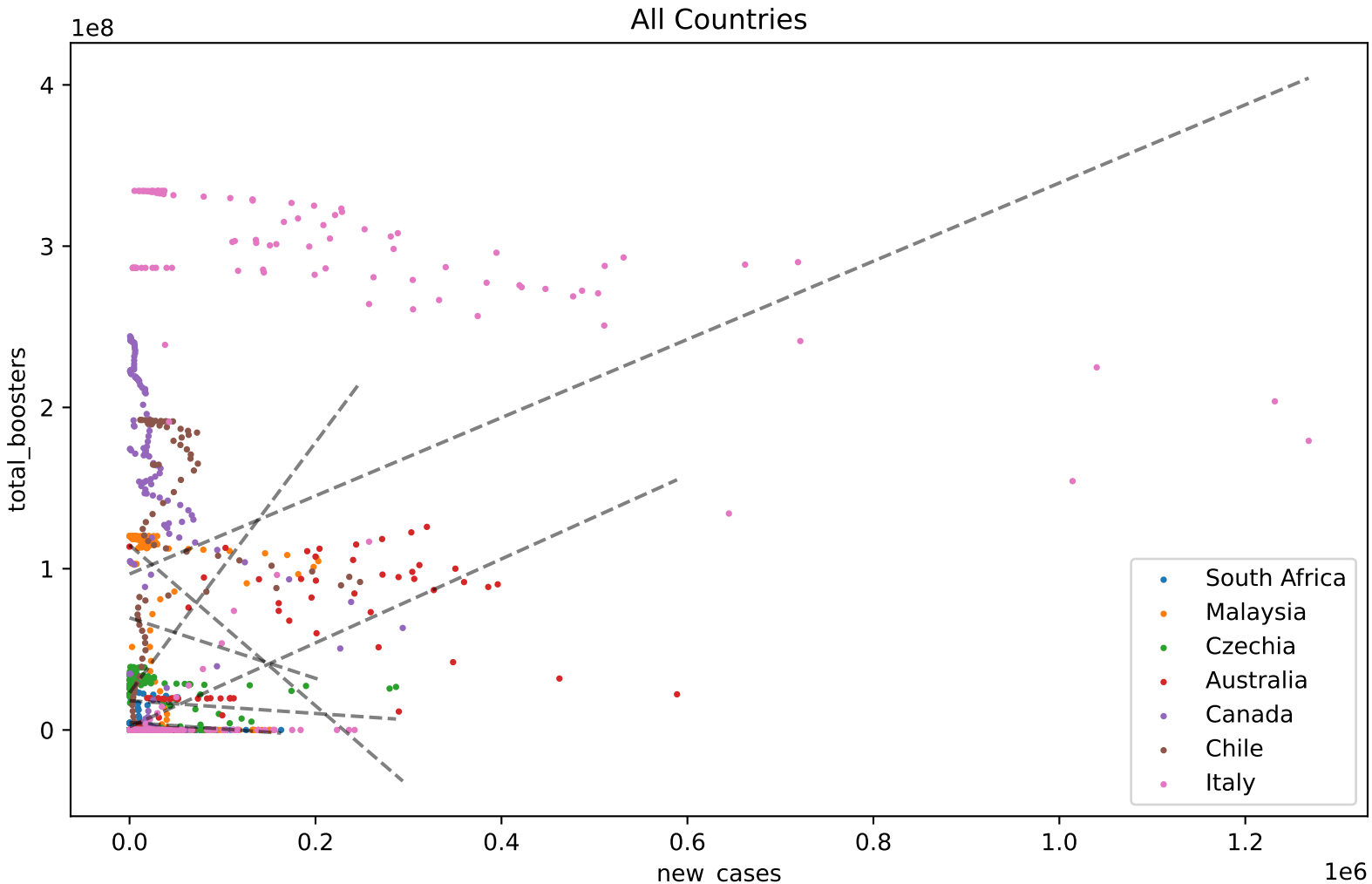

Czechia
1e7
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
total_boosters
0
50000
100000
150000
200000
250000
300000
new_cases
Data
Linear Fit

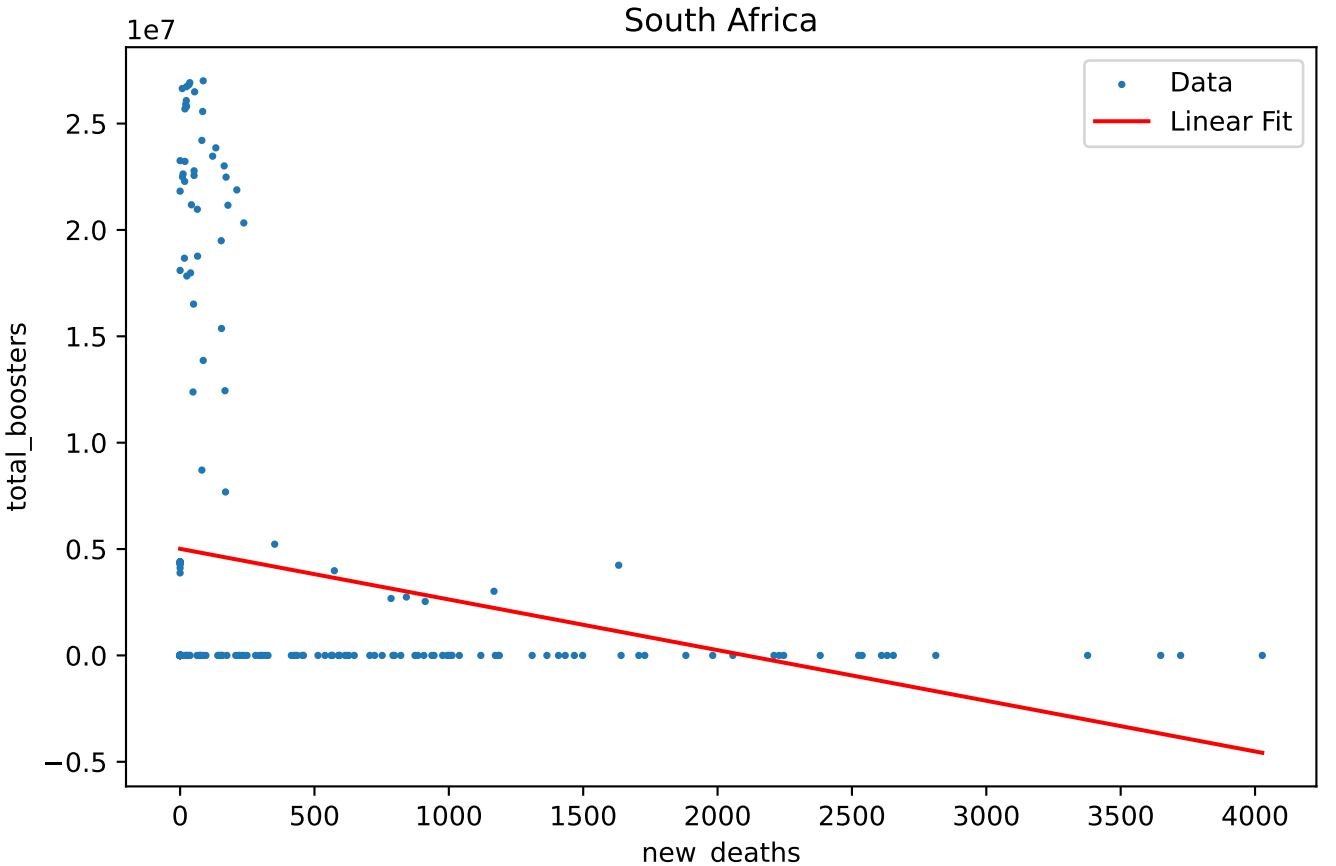

Australia
1e8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Data
Linear Fit
total_boosters
0
100000
200000
300000
400000
500000
600000
new_cases

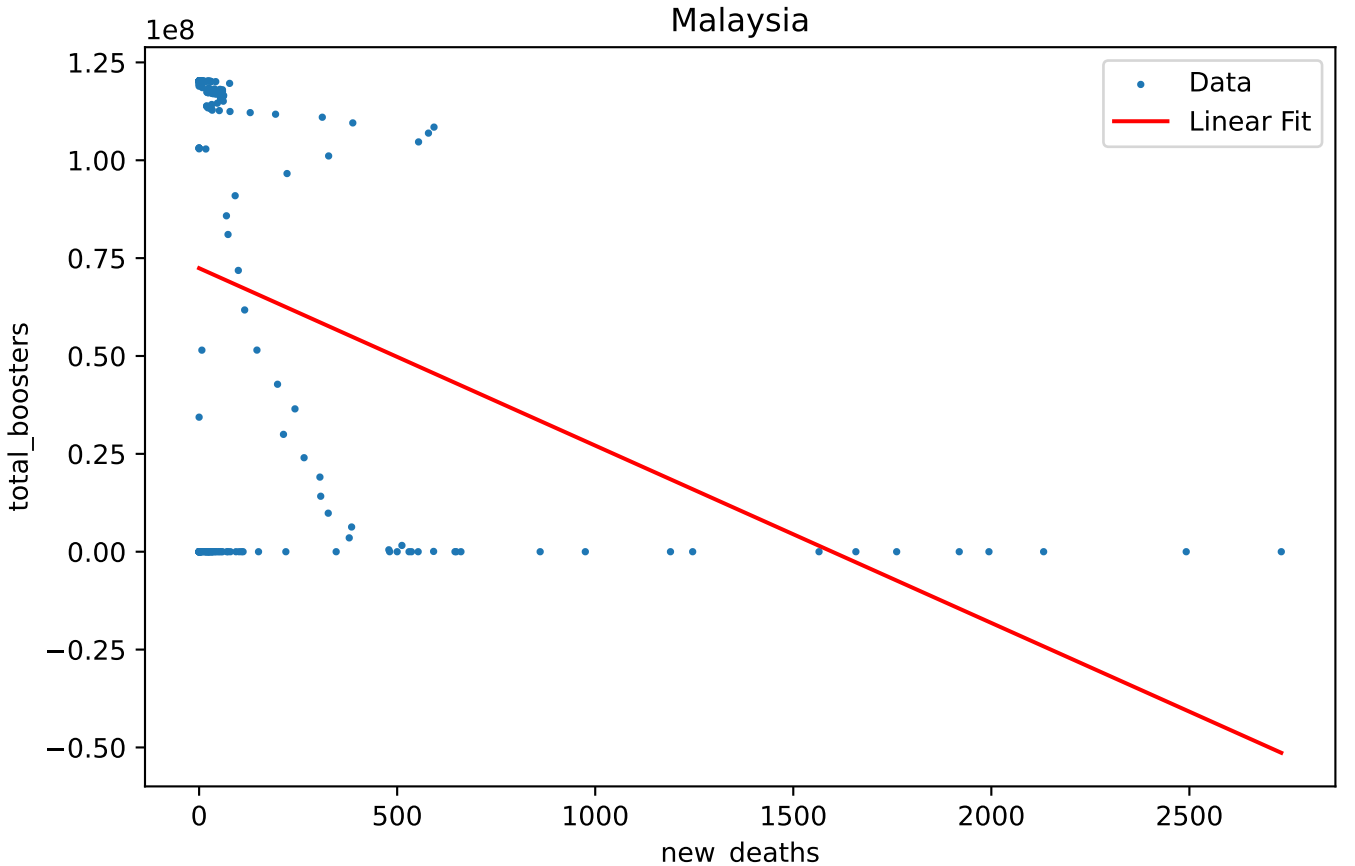

Canada
1e8
2.5
2.0
1.5
1.0
0.5
0.0
total_boosters
0
50000
100000
150000
200000
250000
300000
new_cases
Data
Linear Fit

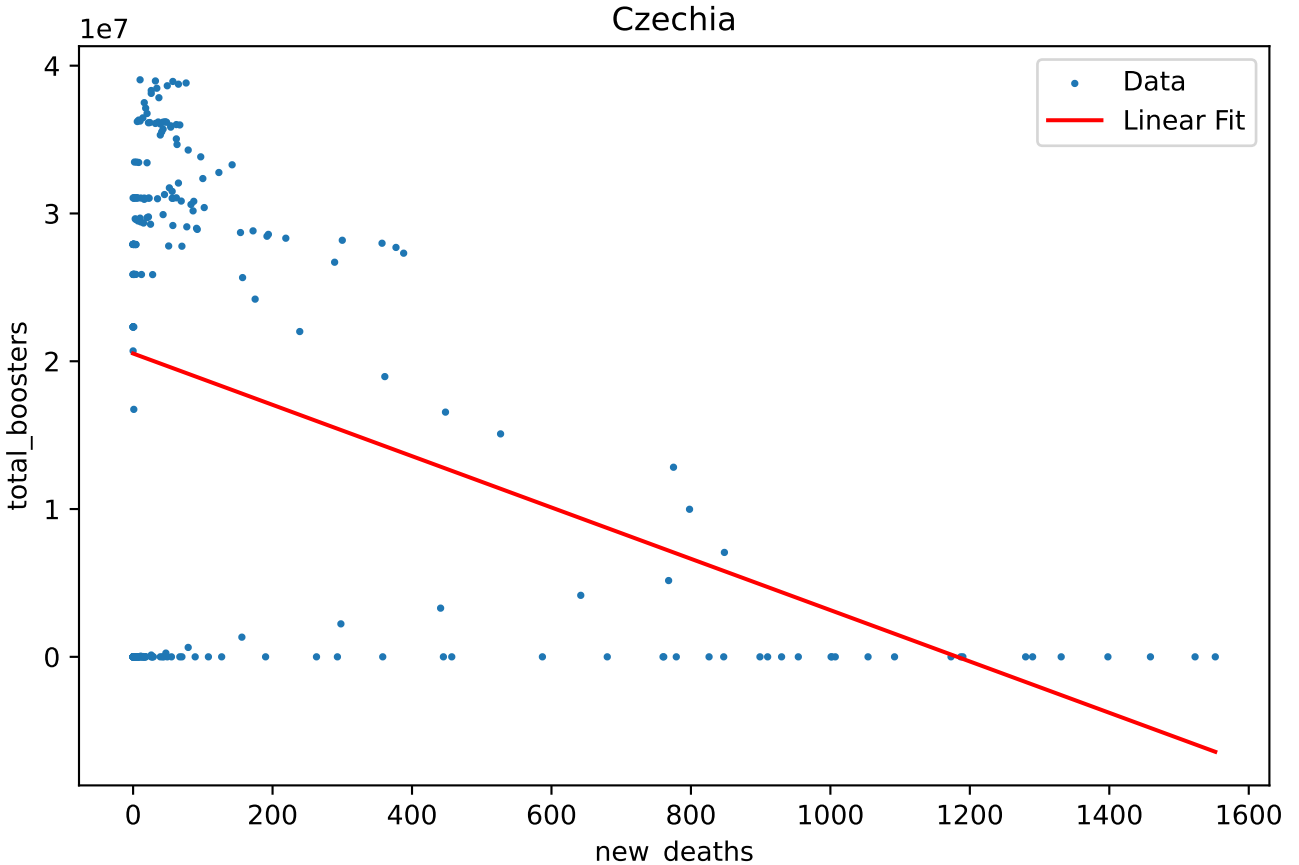

Chile
1e8
Data
Linear Fit
2.0
1.5
1.0
0.5
0.0
total_boosters
0
50000
100000
150000
200000
250000
new_cases

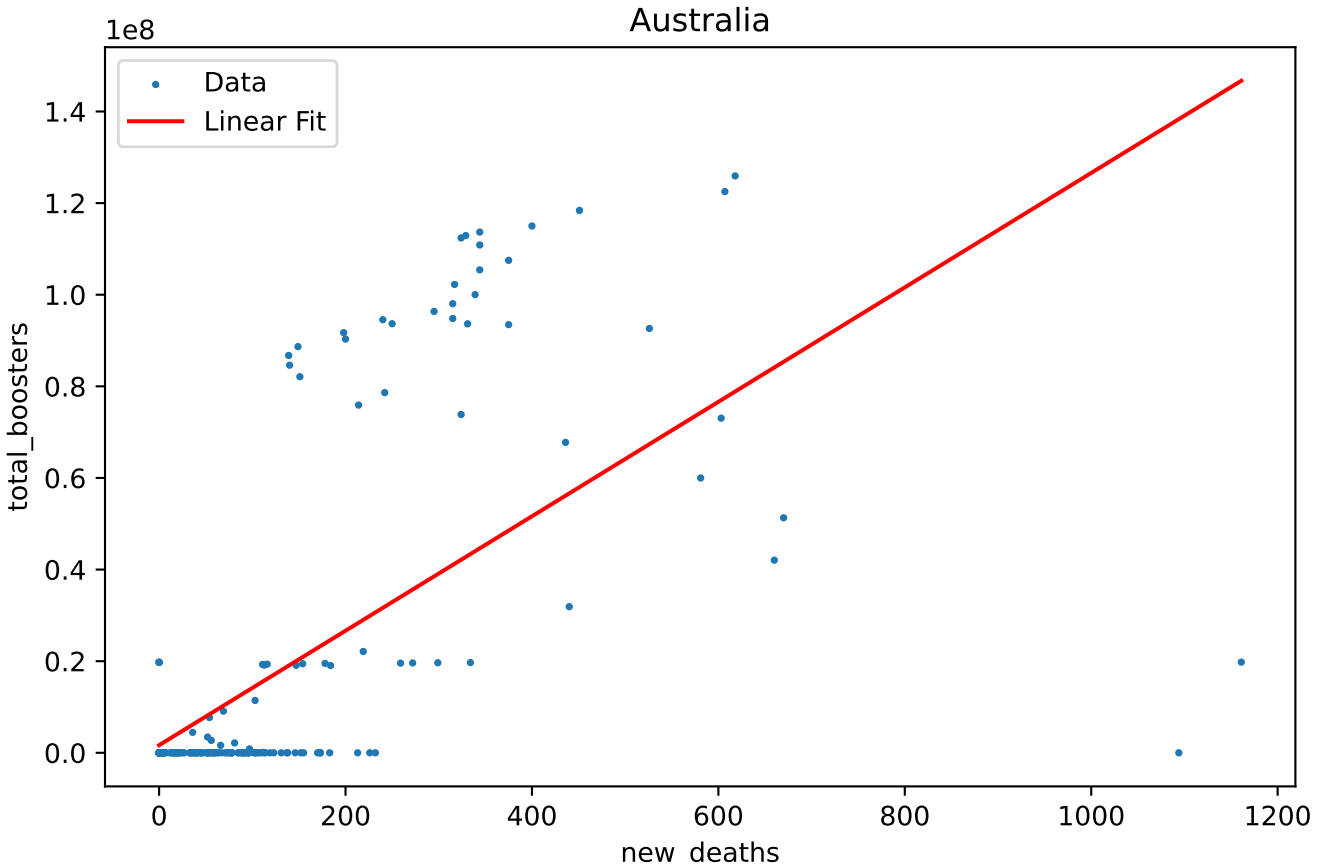

Italy
1e8
Data
Linear Fit
total_boosters
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

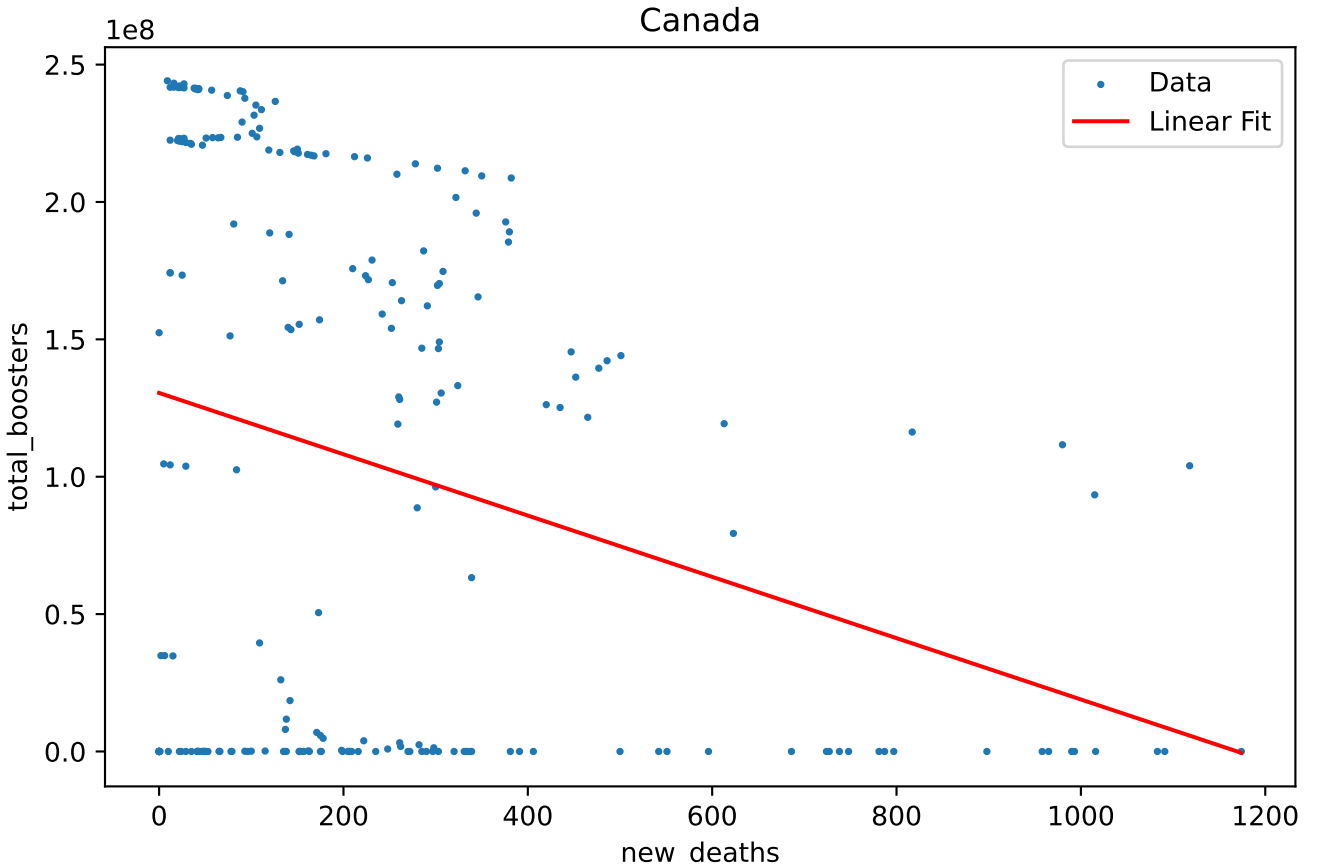

All Countries
1e8
4
3
2
1
0
total_boosters
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

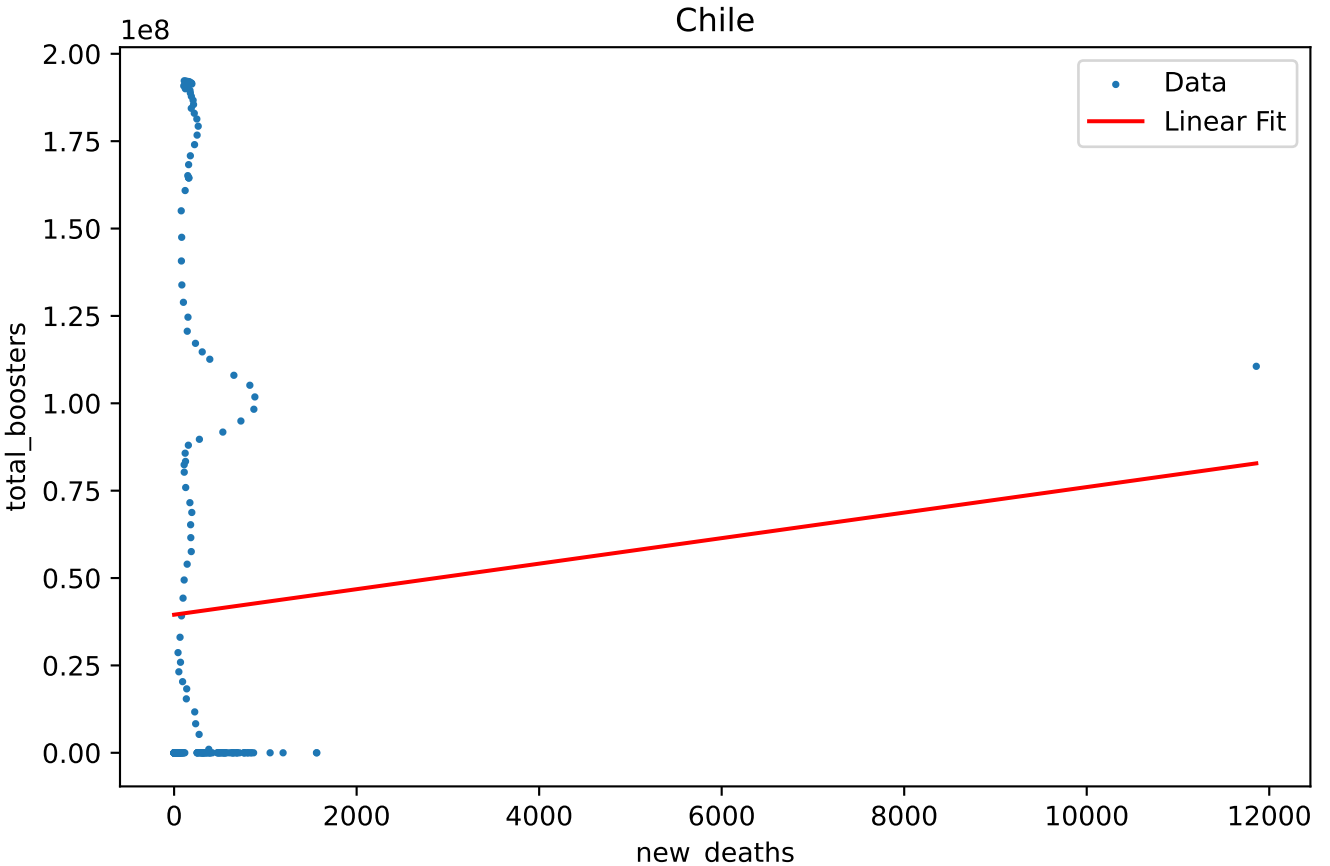

South Africa
1e7
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
total_boosters
0
500
1000
1500
2000
2500
3000
3500
4000
new_deaths
Data
Linear Fit

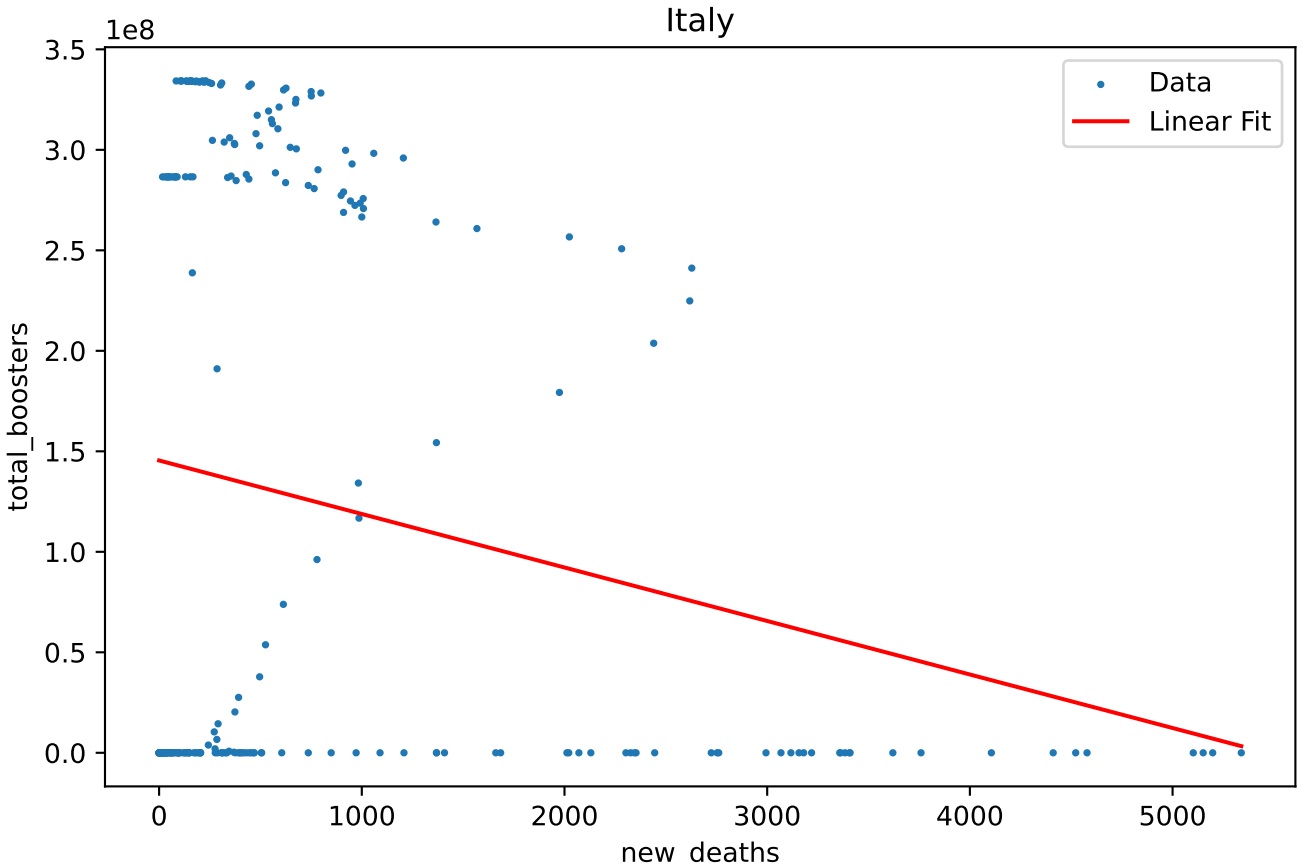

Malaysia
1e8
1.25
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
total_boosters
0
500
1000
1500
2000
2500
new_deaths
Data
Linear Fit

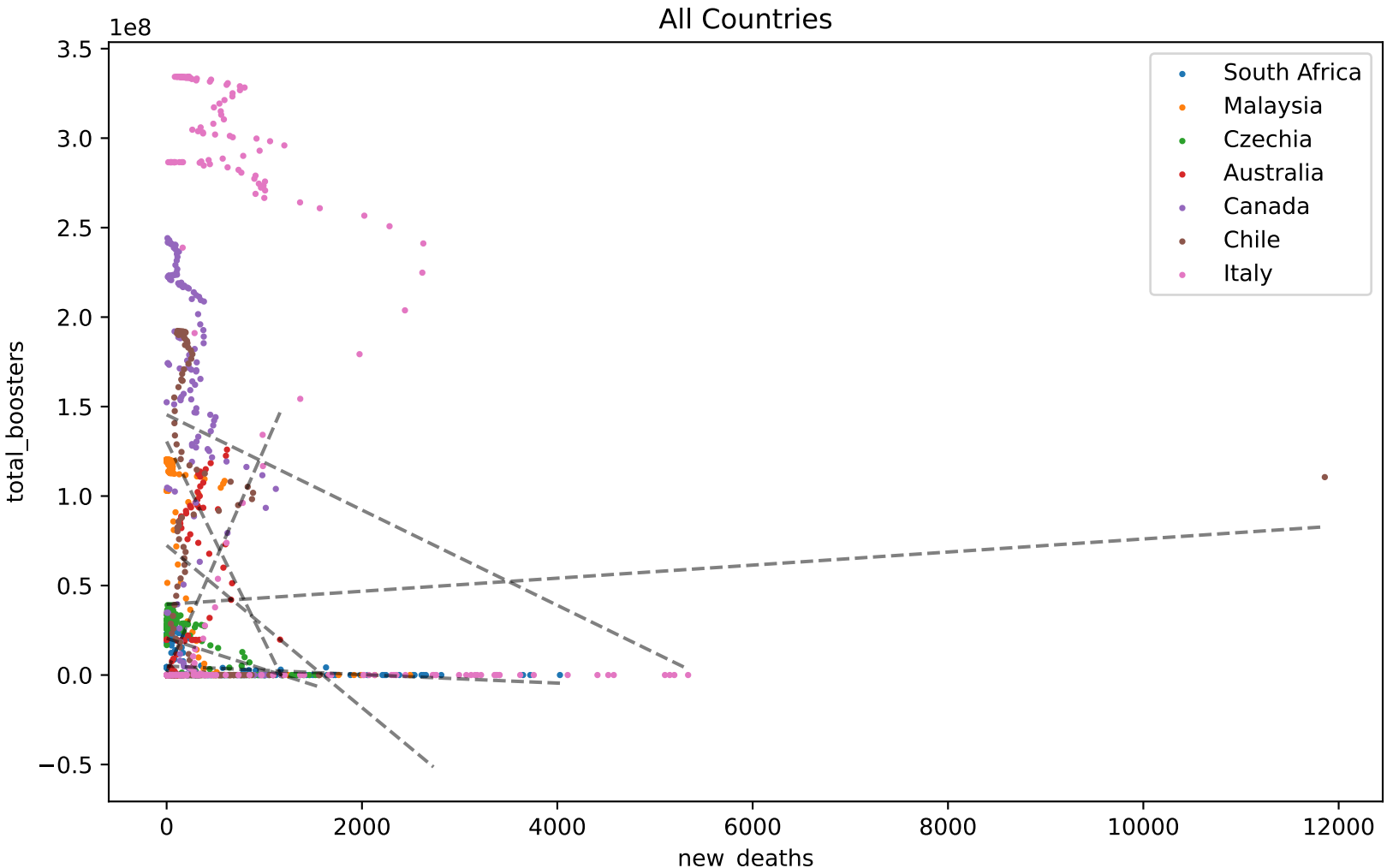

Czechia
1e7
4
3
2
1
0
total_boosters
0
200
400
600
800
1000
1200
1400
1600
new_deaths
Data
Linear Fit

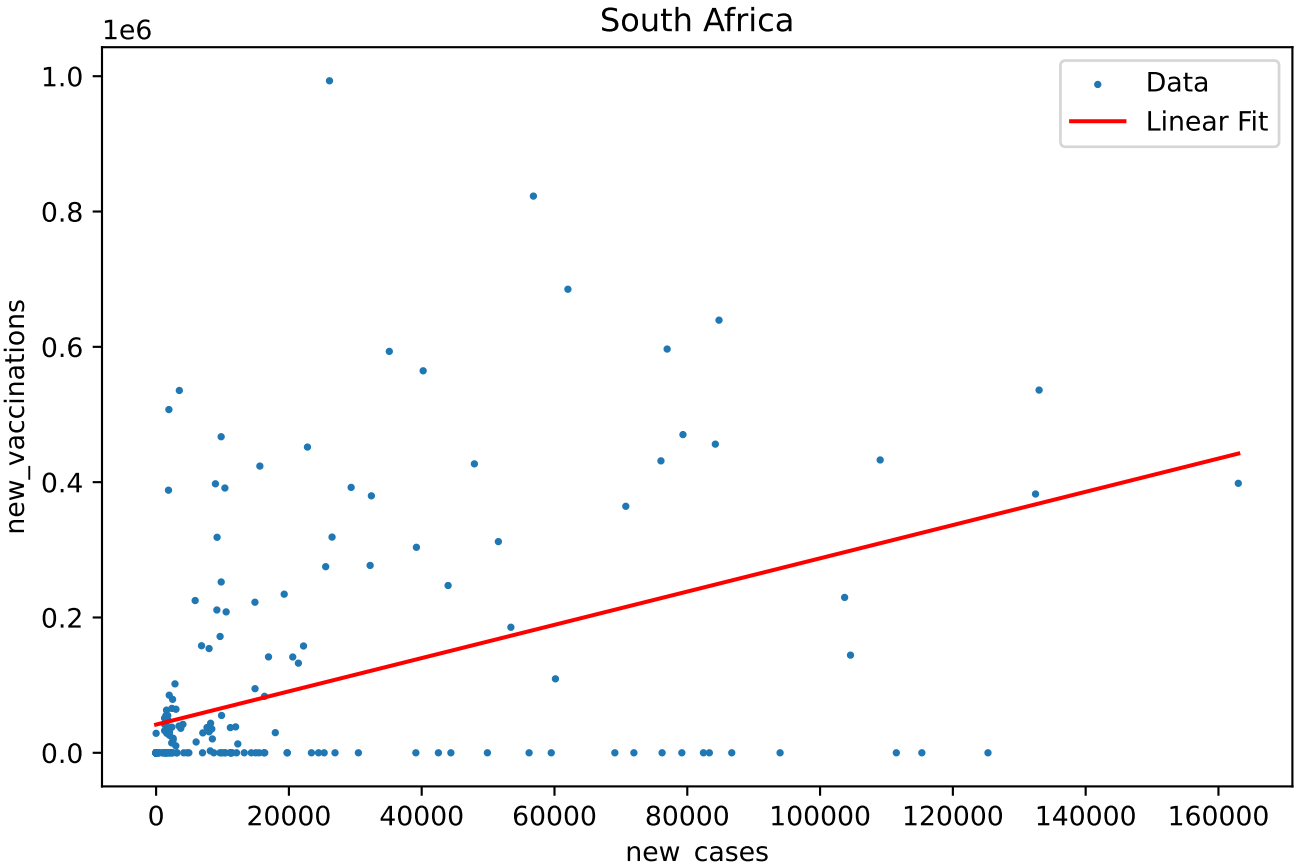

Australia
1e8
Data
Linear Fit
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
total_boosters
0
200
400
600
800
1000
1200
new_deaths

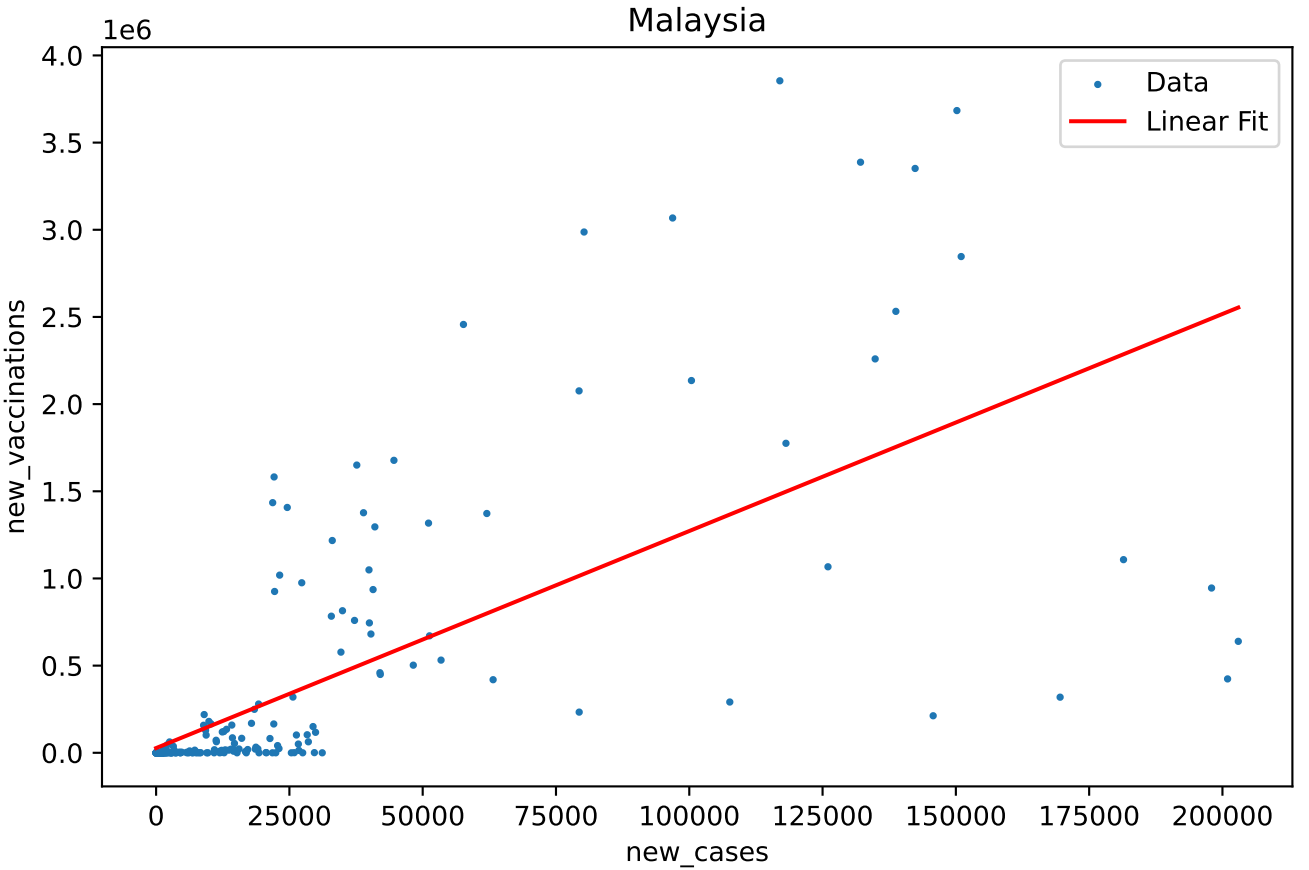

Canada
1e8
2.5
2.0
1.5
1.0
0.5
0.0
total_boosters
0
200
400
600
800
1000
1200
new_deaths
Data
Linear Fit

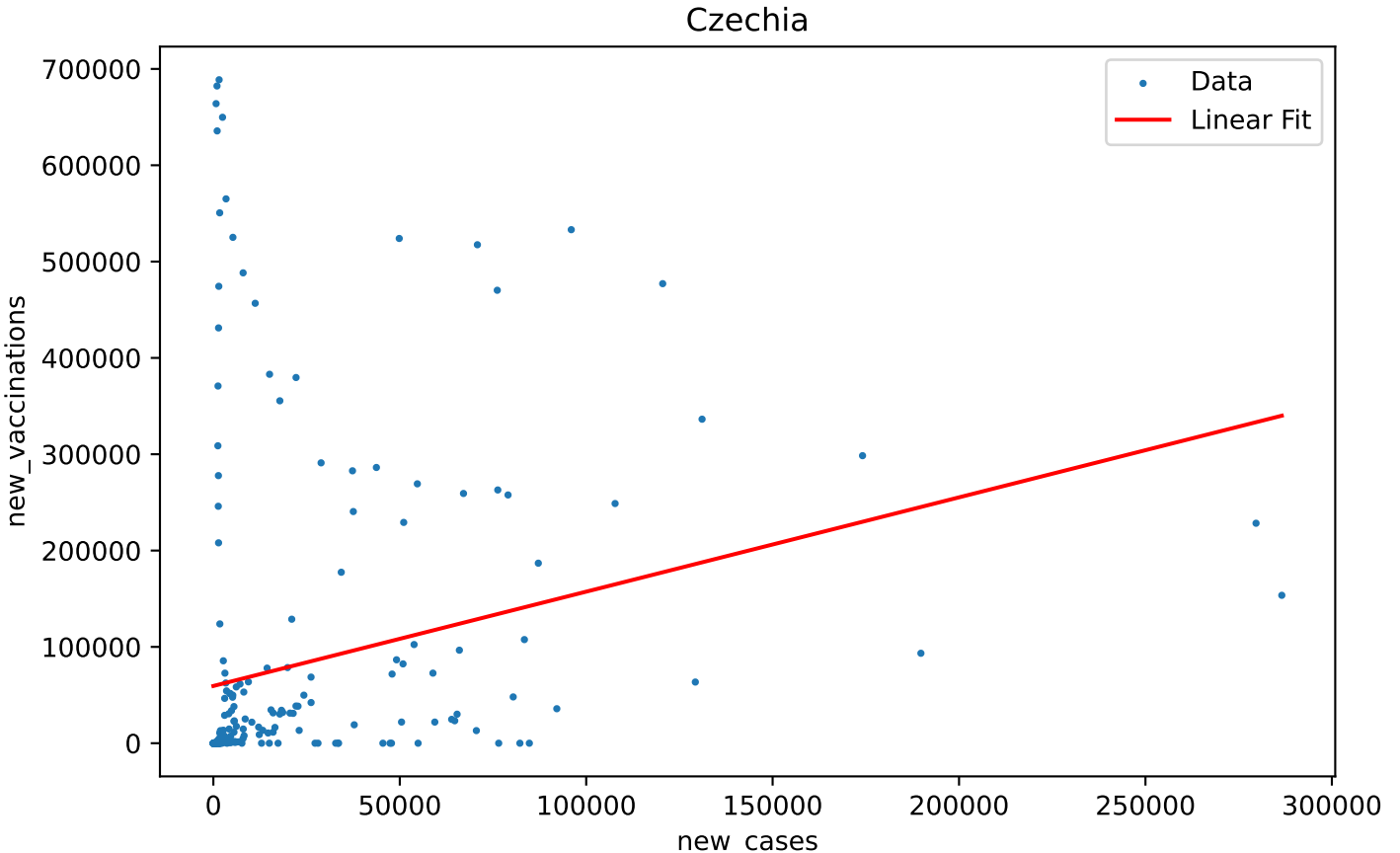

Chile
1e8
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
total_boosters
0
2000
4000
6000
8000
10000
12000
new_deaths
Data
Linear Fit

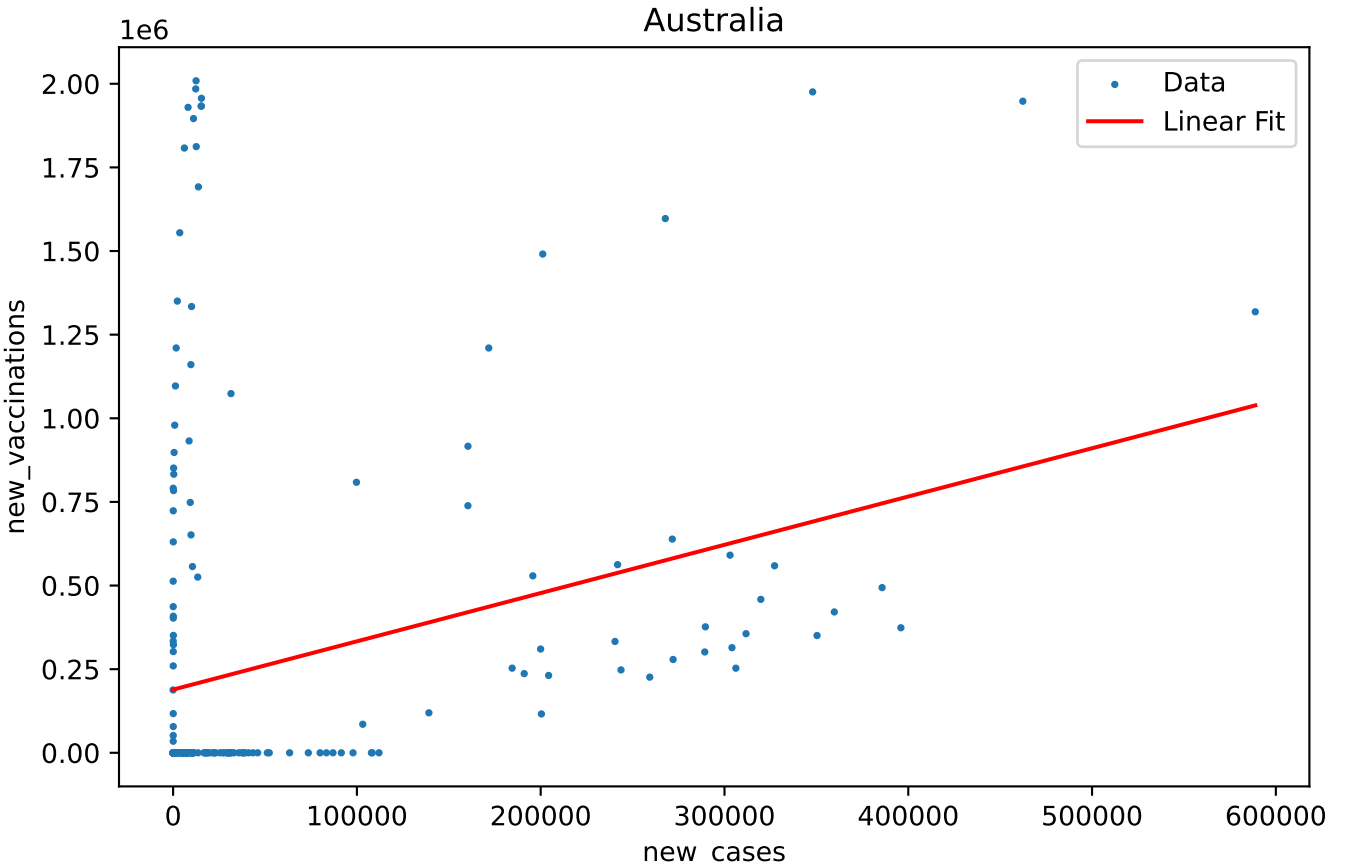

Italy
1e8
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
total_boosters
0
1000
2000
3000
4000
5000
new_deaths
Data
Linear Fit

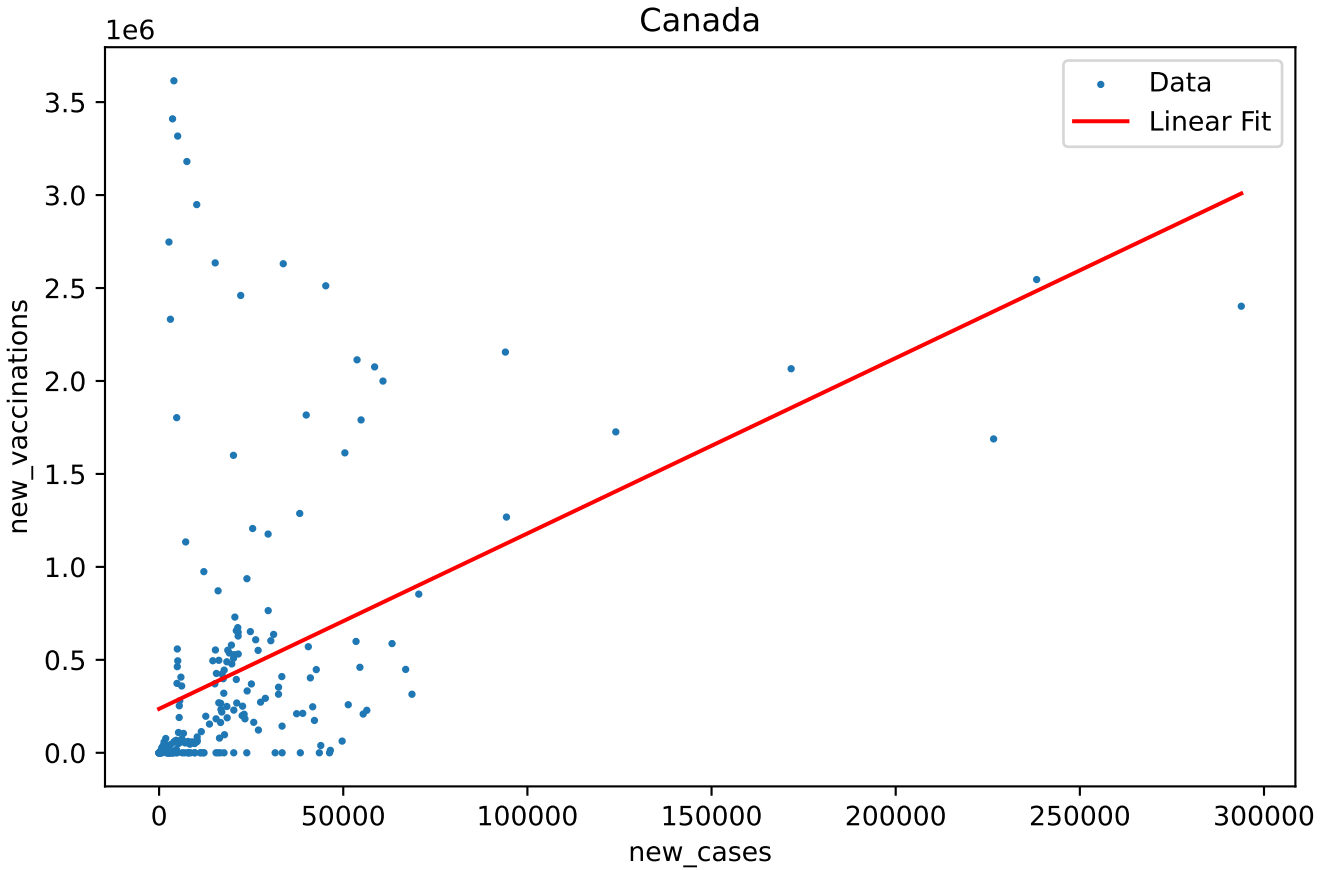

All Countries
1e8
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
total_boosters
0
2000
4000
6000
8000
10000
12000
new_deaths
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

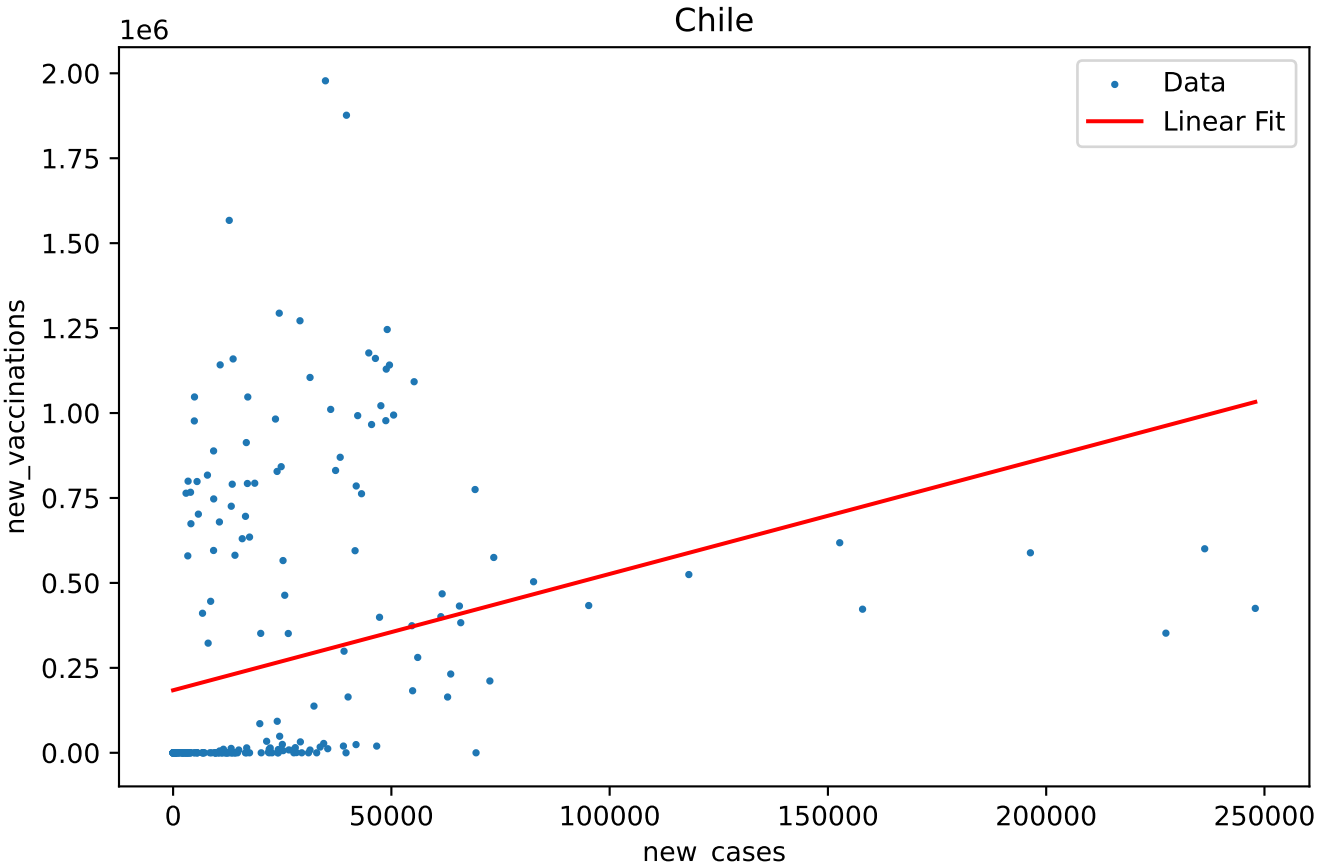

South Africa
1e6
1.0
0.8
0.6
0.4
0.2
0.0
new_vaccinations
0
20000
40000
60000
80000
100000
120000
140000
160000
new_cases
Data
Linear Fit

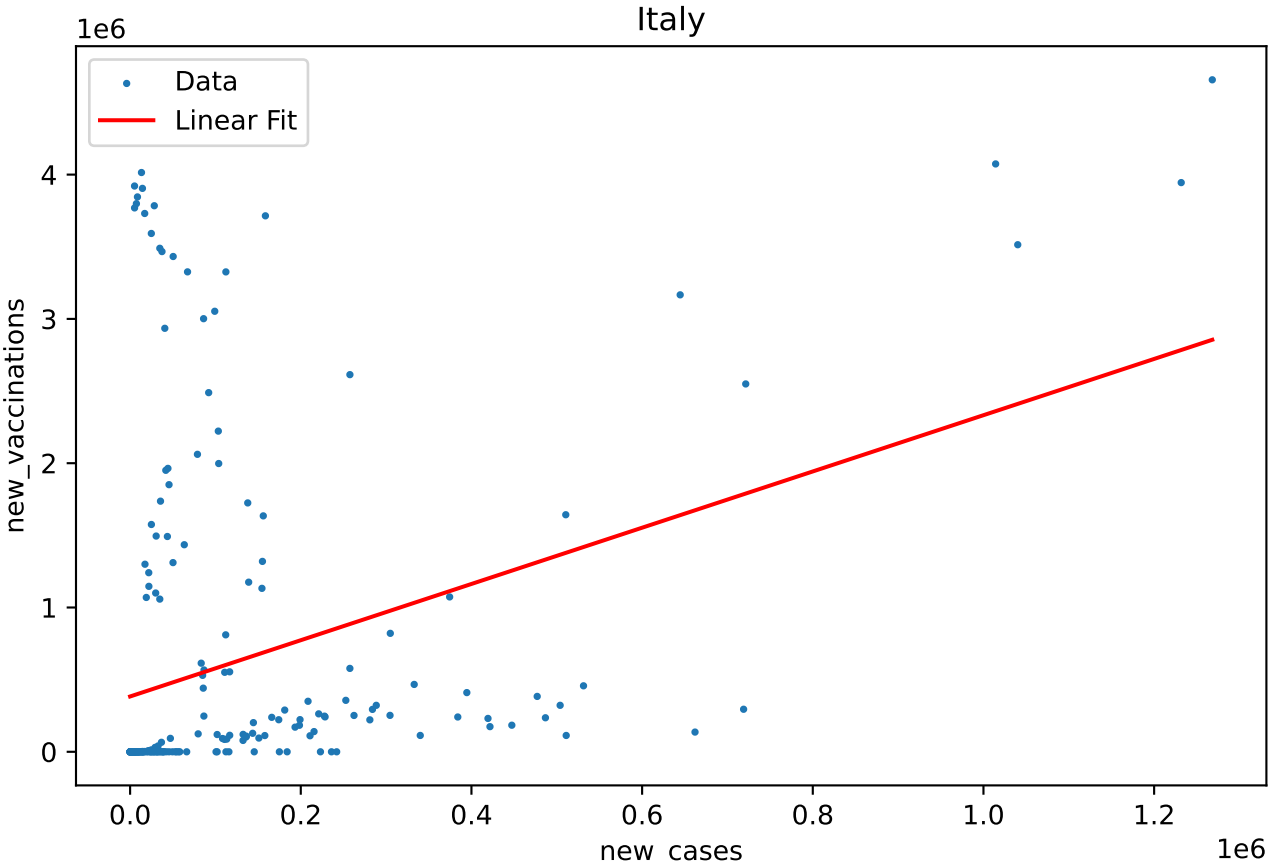

Malaysia
1e6
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
new_vaccinations
Data
Linear Fit
0
25000
50000
75000
100000
125000
150000
175000
200000
new_cases

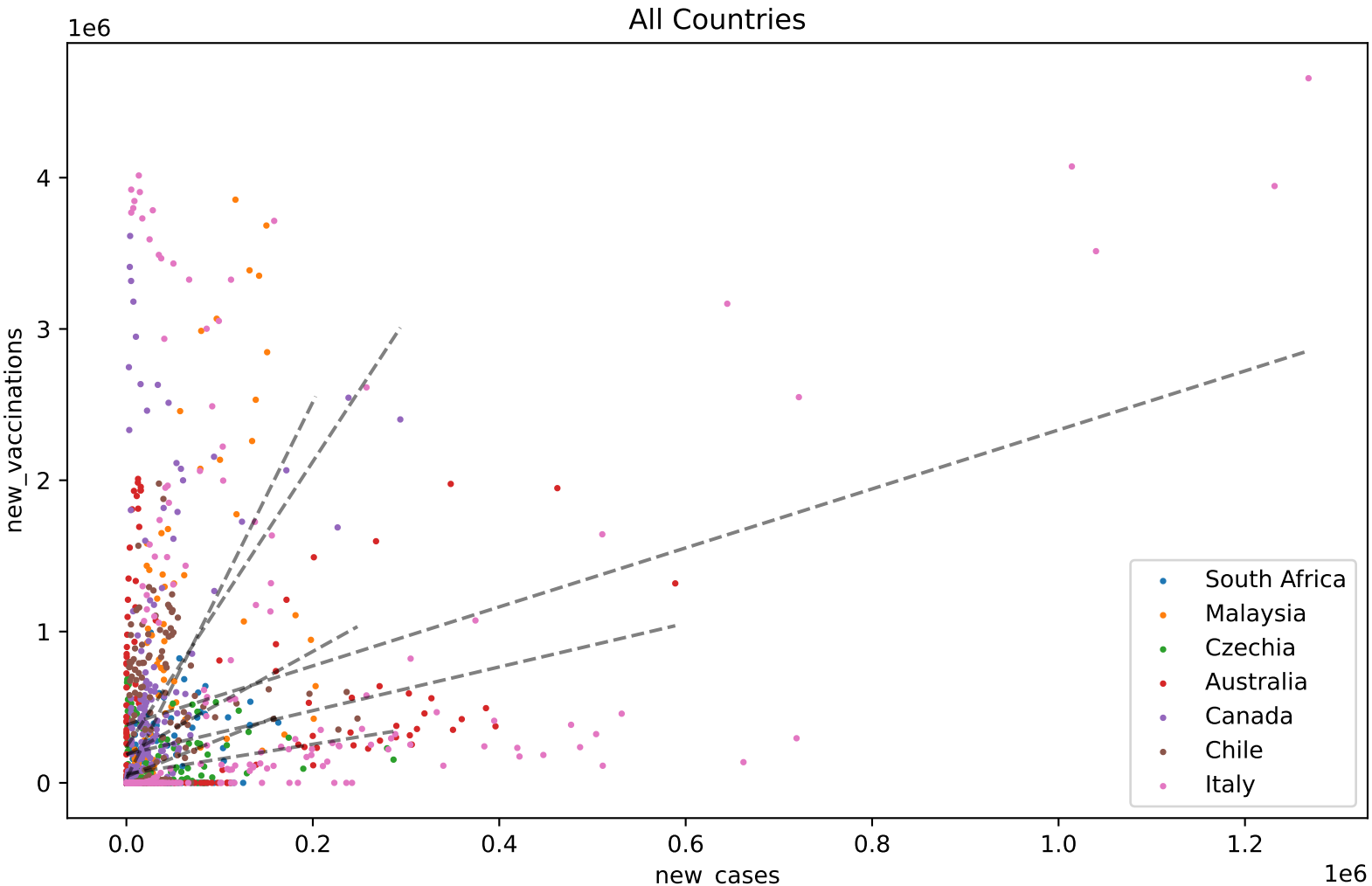

Czechia
Data
Linear Fit
new_vaccinations
new_cases
700000
600000
500000
400000
300000
200000
100000
0
0
50000
100000
150000
200000
250000
300000

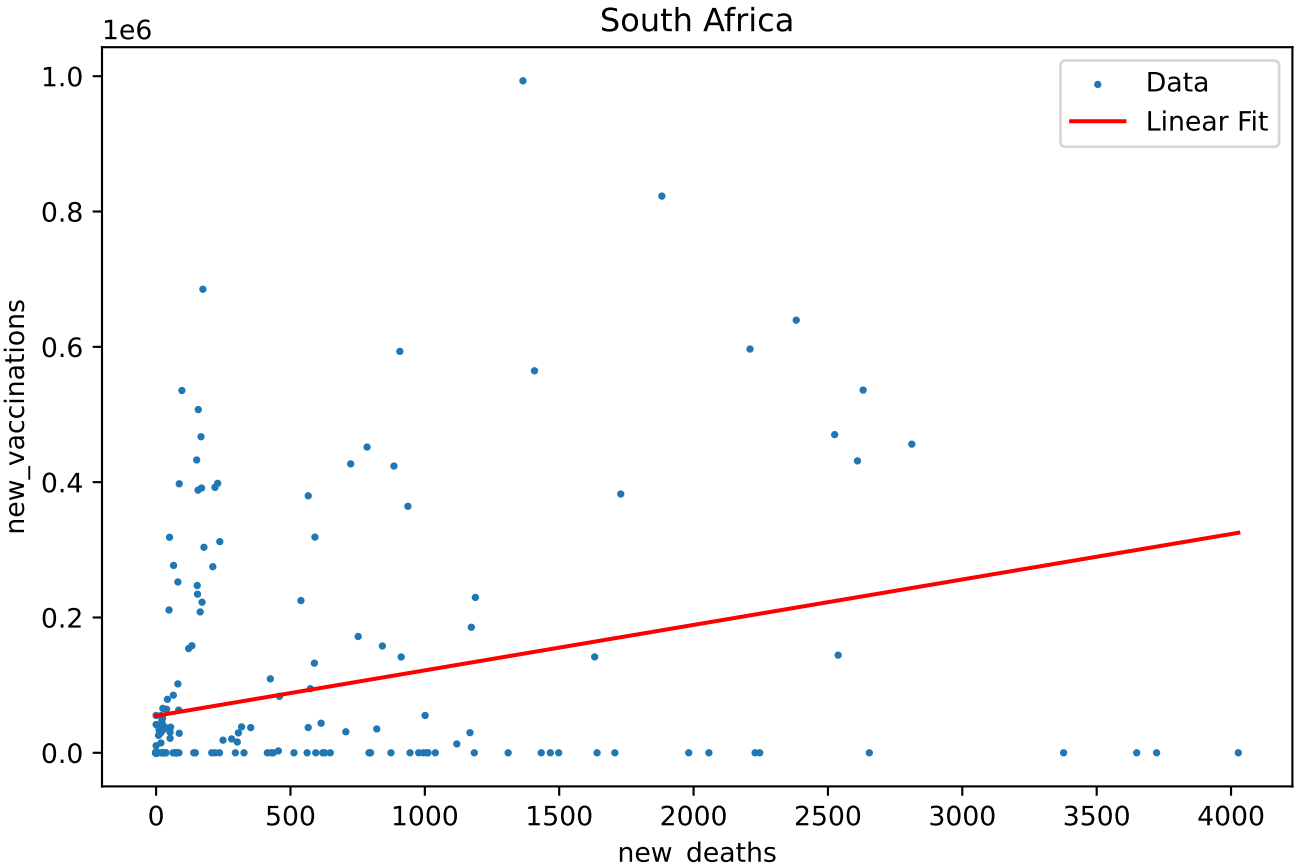

Australia
1e6
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
new_vaccinations
0
100000
200000
300000
400000
500000
600000
new_cases
Data
Linear Fit

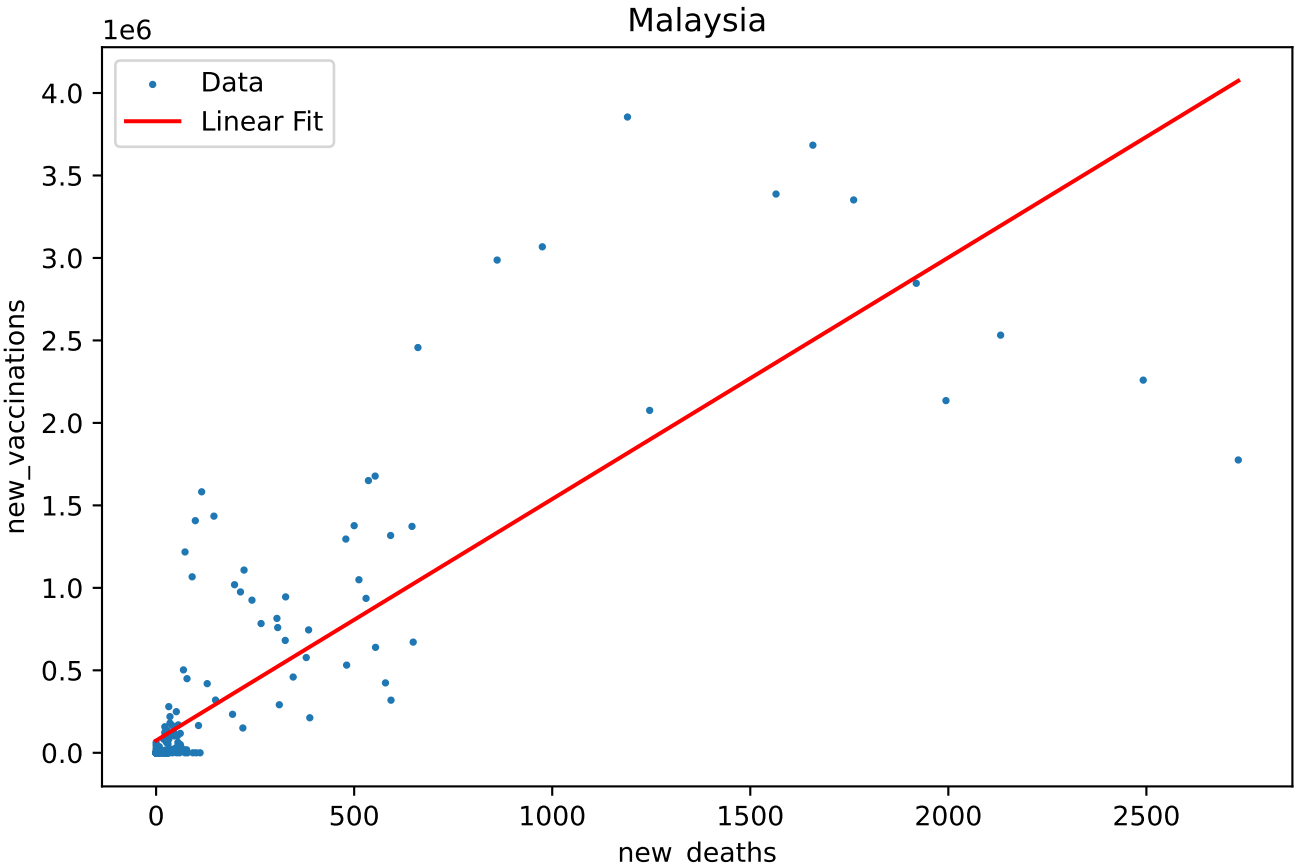

Canada
1e6
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
new_vaccinations
0
50000
100000
150000
200000
250000
300000
new_cases
Data
Linear Fit

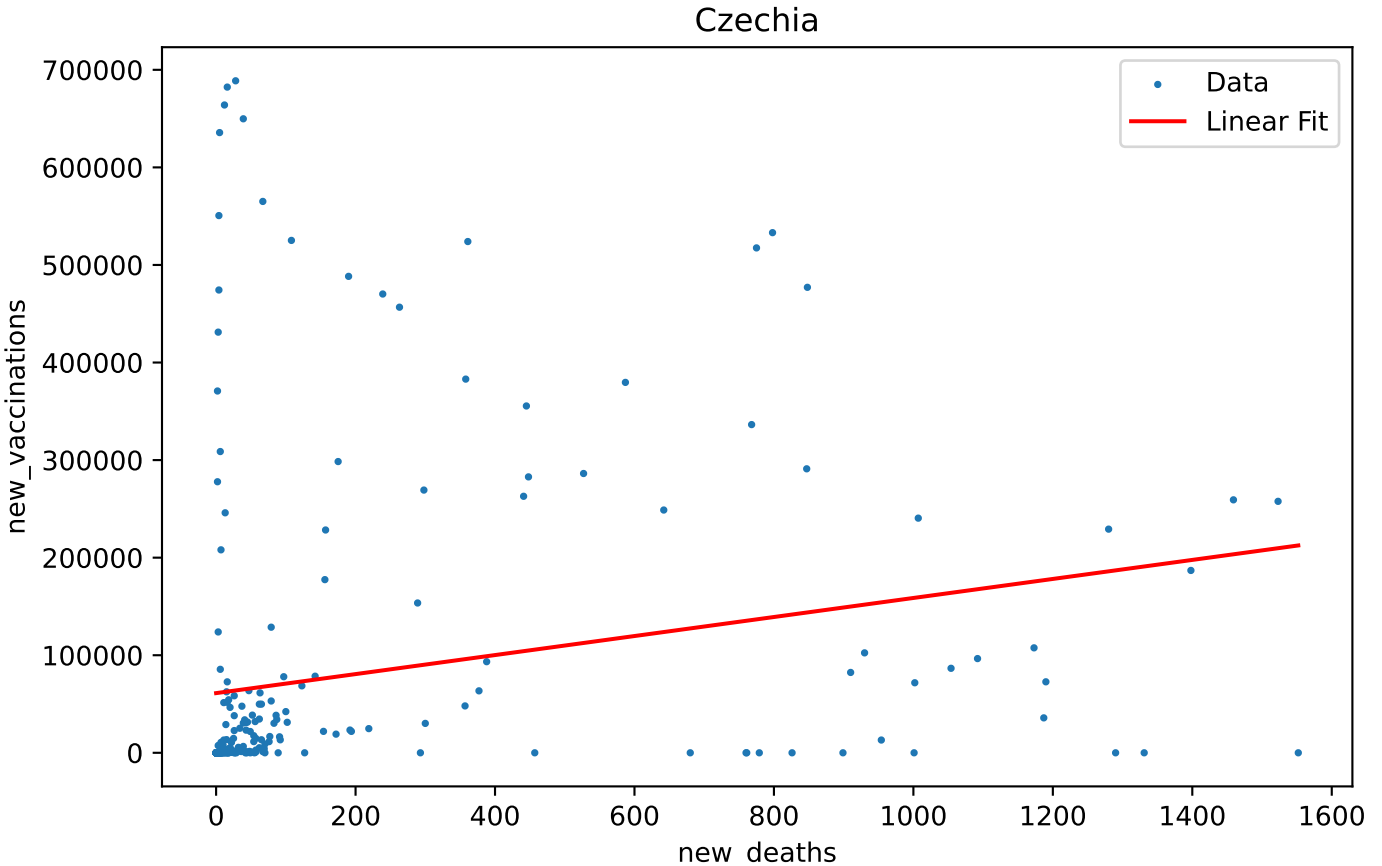

Chile
1e6
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
new_vaccinations
0
50000
100000
150000
200000
250000
new_cases
Data
Linear Fit

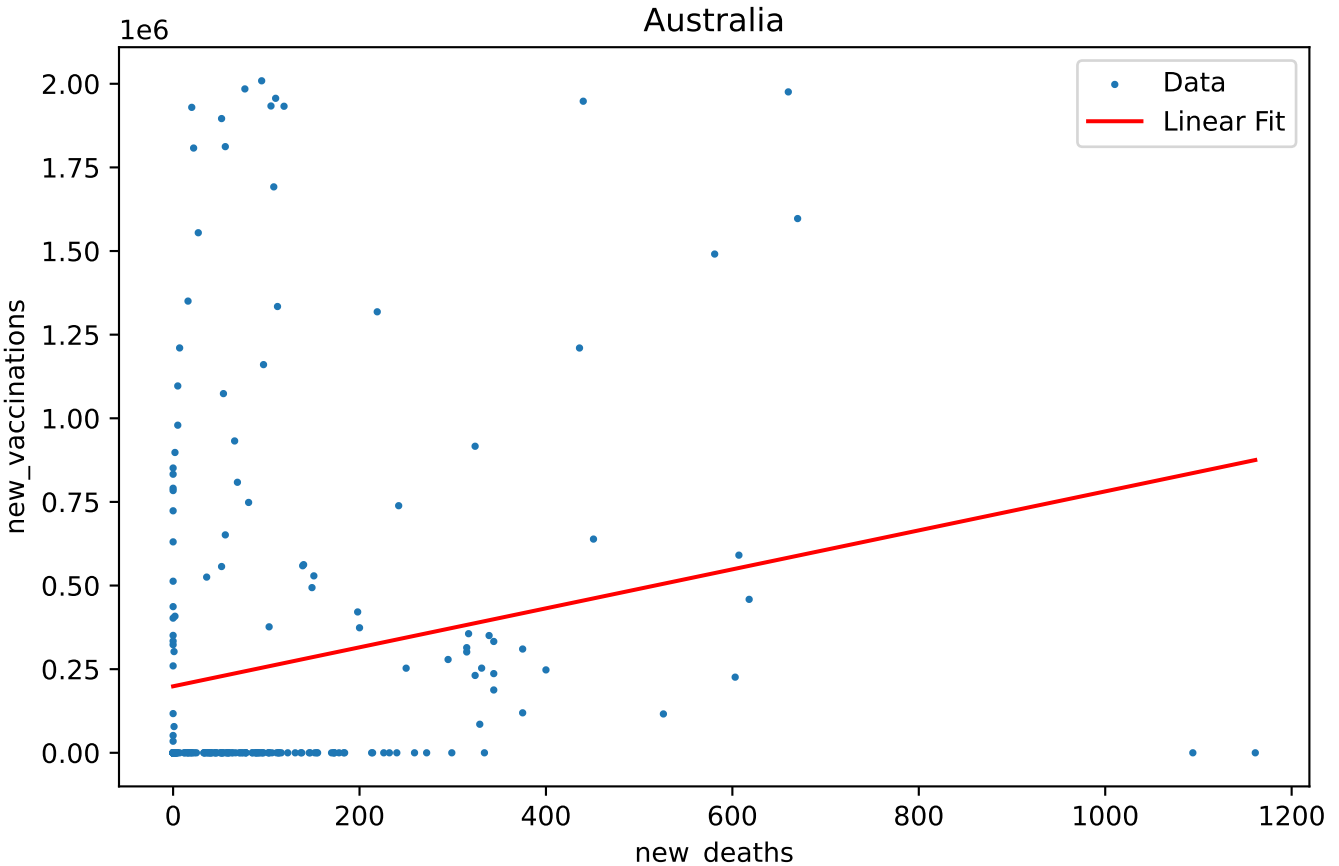

Italy
1e6
Data
Linear Fit
new_vaccinations
0
1
2
3
4
0.0
0.2
0.4
0.6
0.8
1.0
1.2
new_cases
1e6

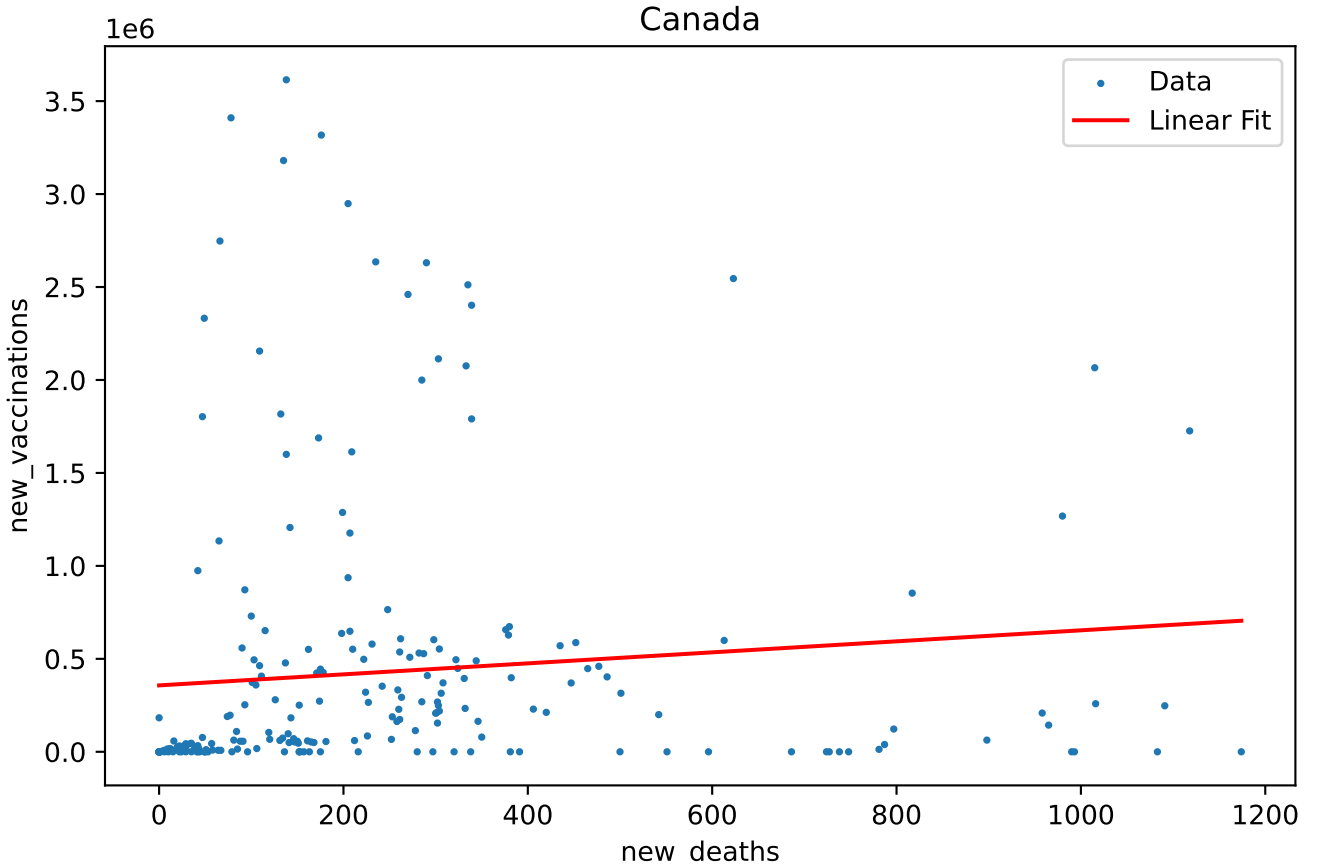

All Countries
1e6
4
3
2
1
0
new_vaccinations
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

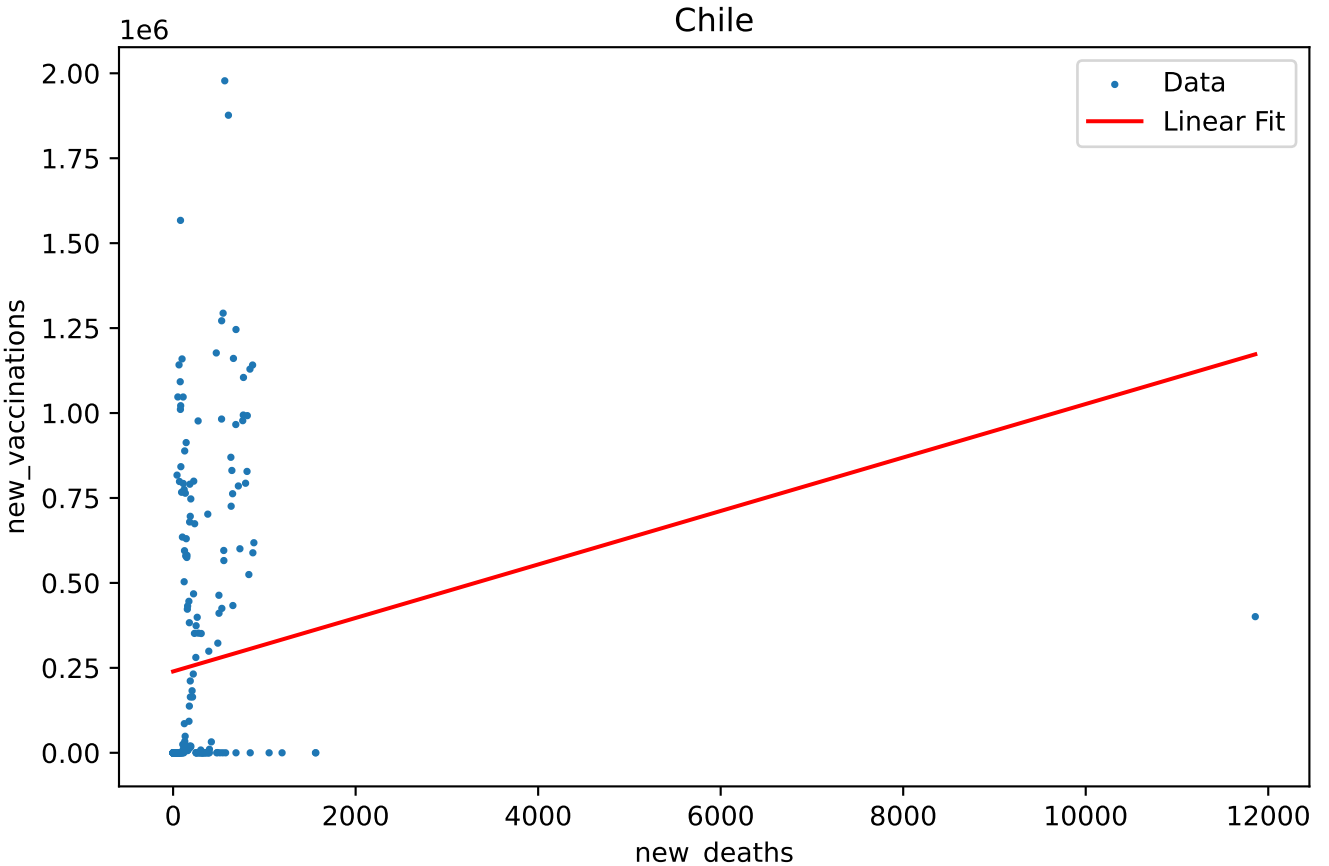

South Africa
1e6
1.0
0.8
0.6
0.4
0.2
0.0
new_vaccinations
0
500
1000
1500
2000
2500
3000
3500
4000
new_deaths
Data
Linear Fit

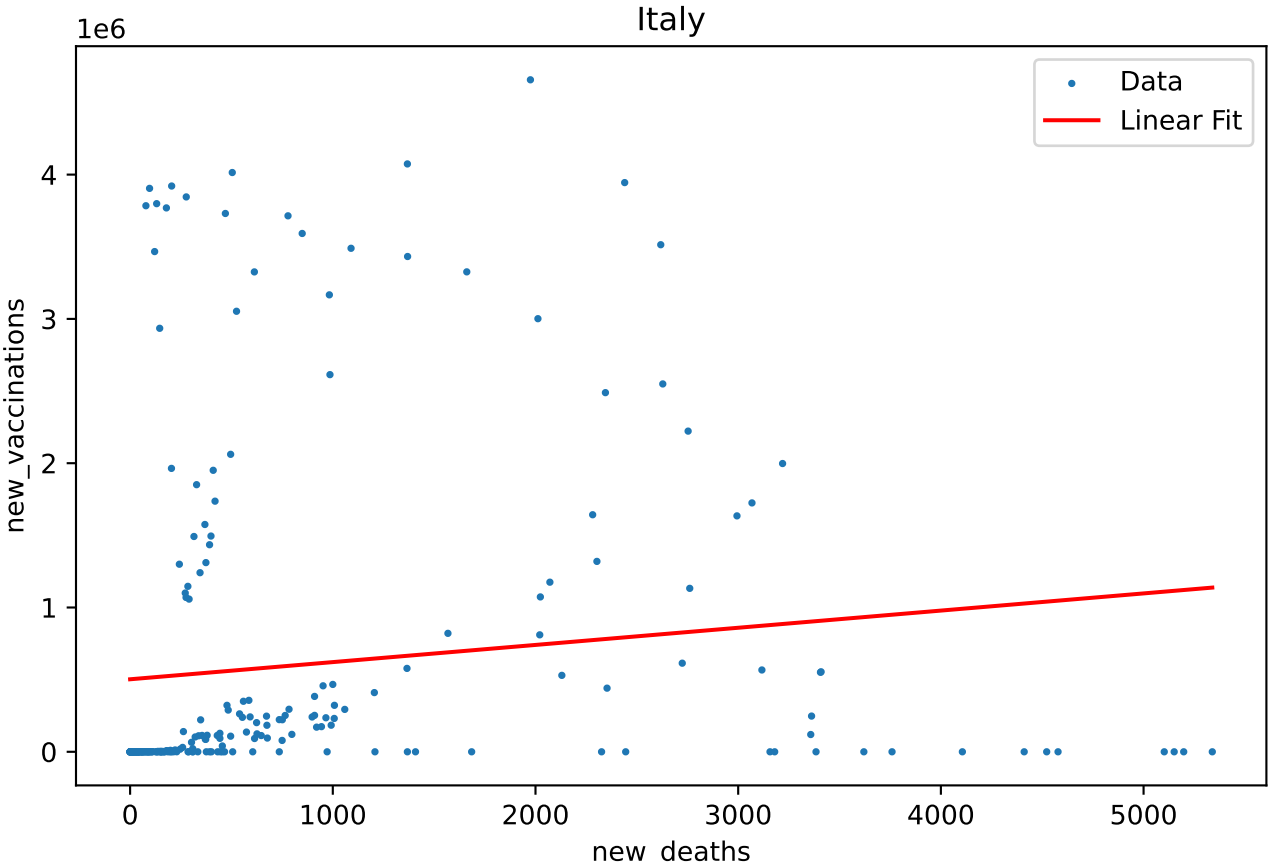

Malaysia
1e6
Data
Linear Fit
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
new_vaccinations
0
500
1000
1500
2000
2500
new_deaths

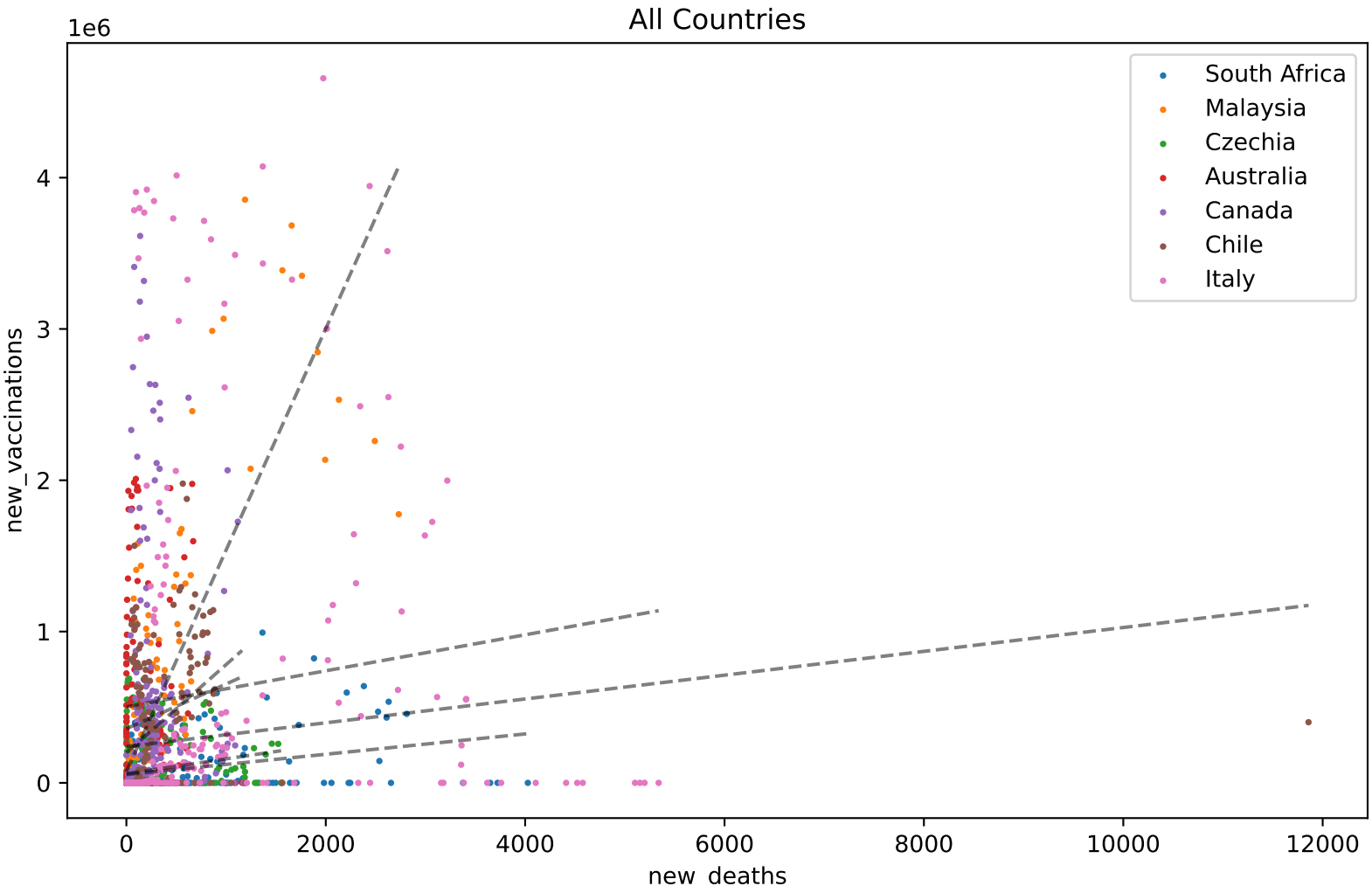

Czechia
Data
Linear Fit
new_vaccinations
new_deaths
700000
600000
500000
400000
300000
200000
100000
0
0
200
400
600
800
1000
1200
1400
1600

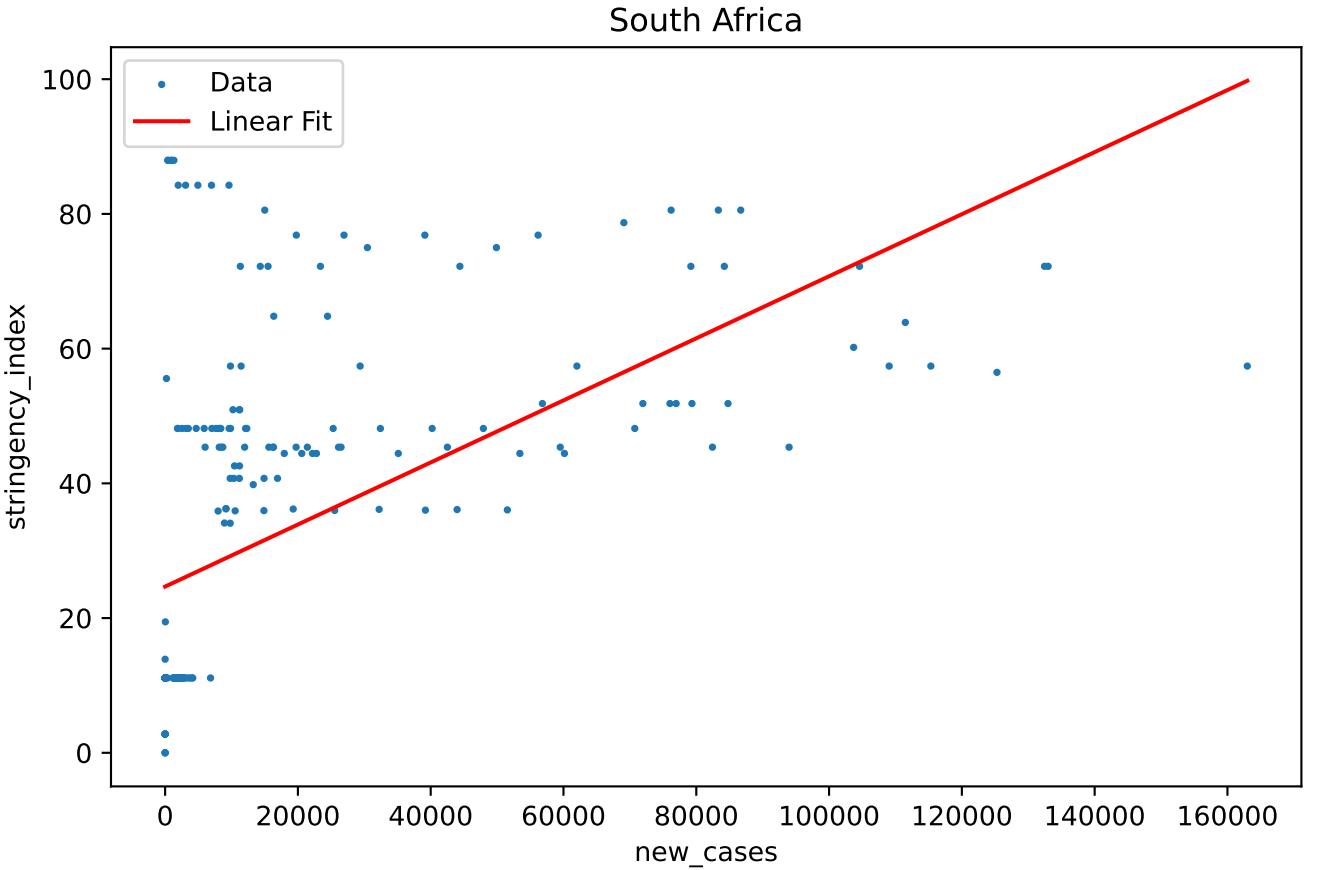

Australia
1e6
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
new_vaccinations
0
200
400
600
800
1000
1200
new_deaths
Data
Linear Fit


Canada
1e6
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
new_vaccinations
0
200
400
600
800
1000
1200
new_deaths
Data
Linear Fit


Chile
1e6
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
new_vaccinations
0
2000
4000
6000
8000
10000
12000
new_deaths
Data
Linear Fit


Italy
1e6
Data
Linear Fit
new_vaccinations
new_deaths
0
1
2
3
4
0
1000
2000
3000
4000
5000


All Countries
1e6
new_vaccinations
new_deaths
0
1
2
3
4
0
2000
4000
6000
8000
10000
12000
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy


South Africa
Data
Linear Fit
stringency_index
new_cases
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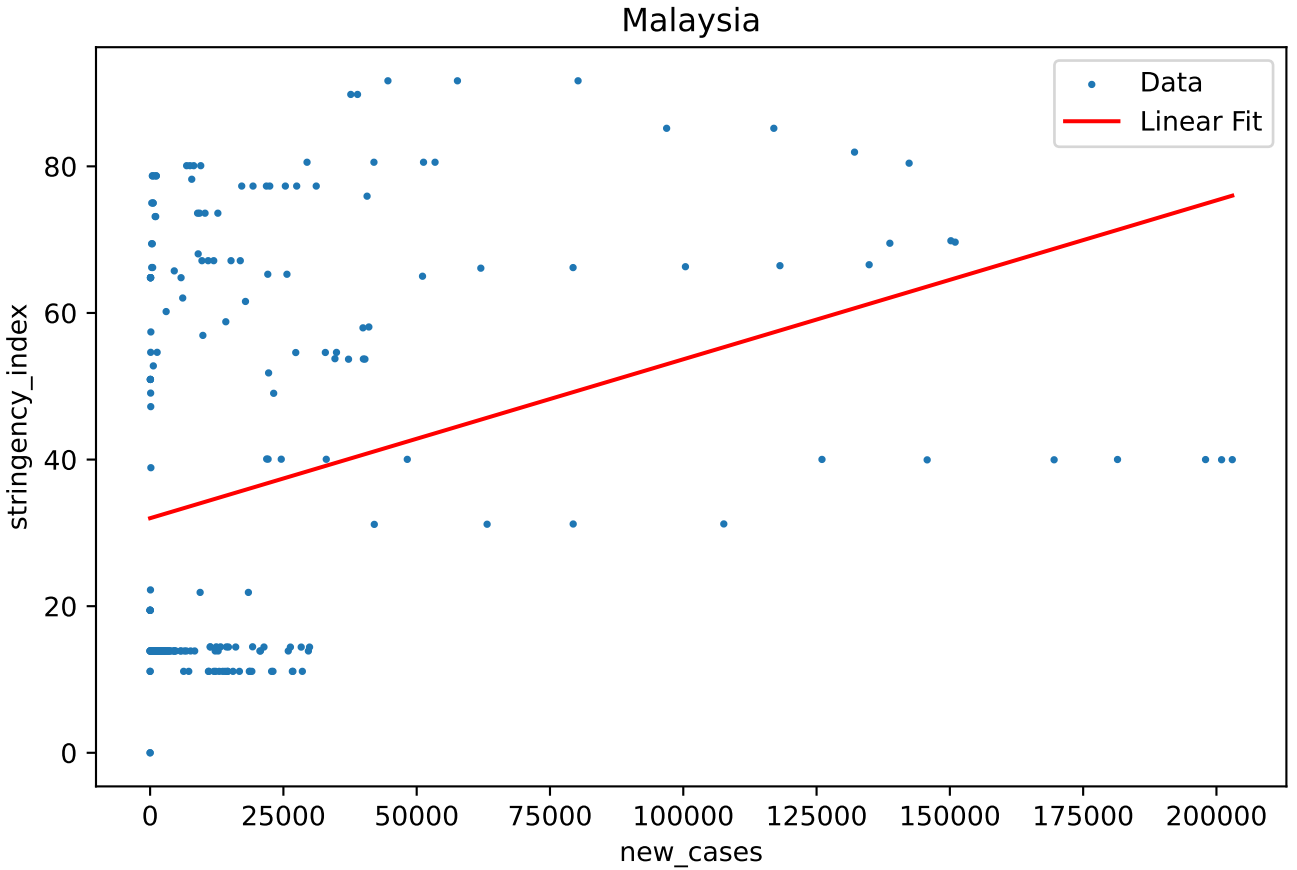
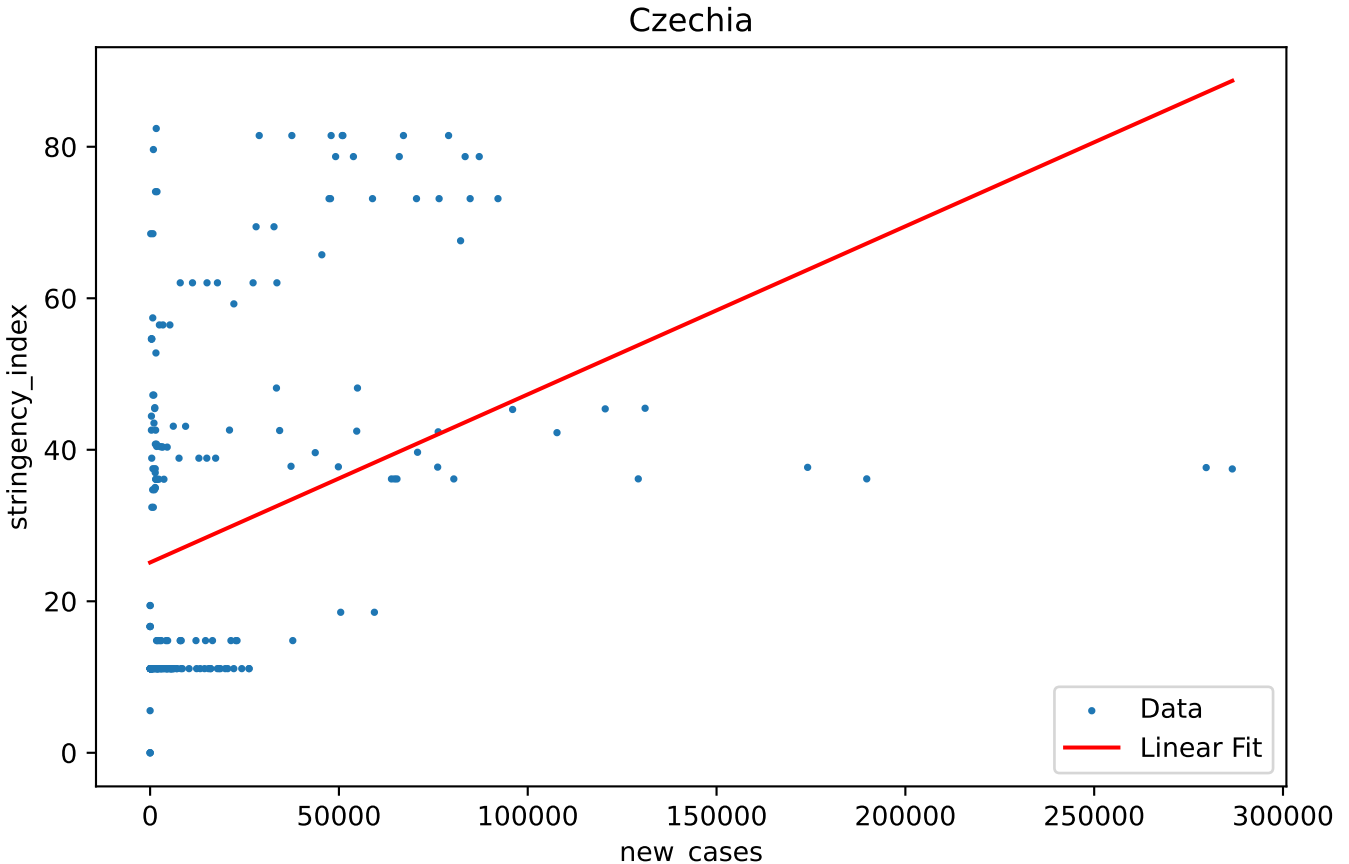
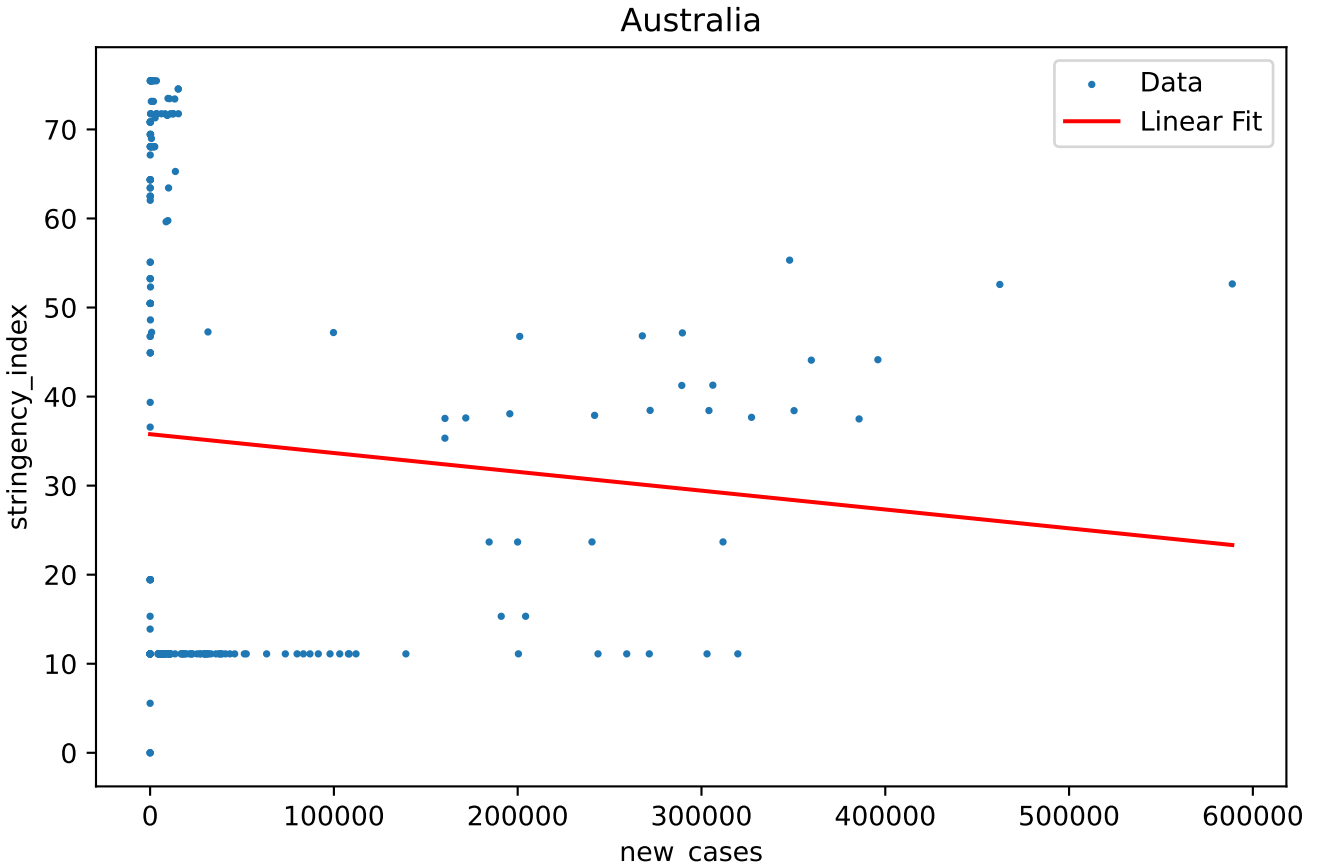
20
40
60
80
100
0
20000
40000
60000
80000
100000
120000
140000
160000


Malaysia
Data
Linear Fit
stringency_index
0
20
40
60
80
0
25000
50000
75000
100000
125000
150000
175000
200000
new_cases


Czechia
stringency_index
new_cases
0
20
40
60
80
0
50000
100000
150000
200000
250000
300000
Data
Linear Fit


Australia
Data
Linear Fit
stringency_index
new_cases
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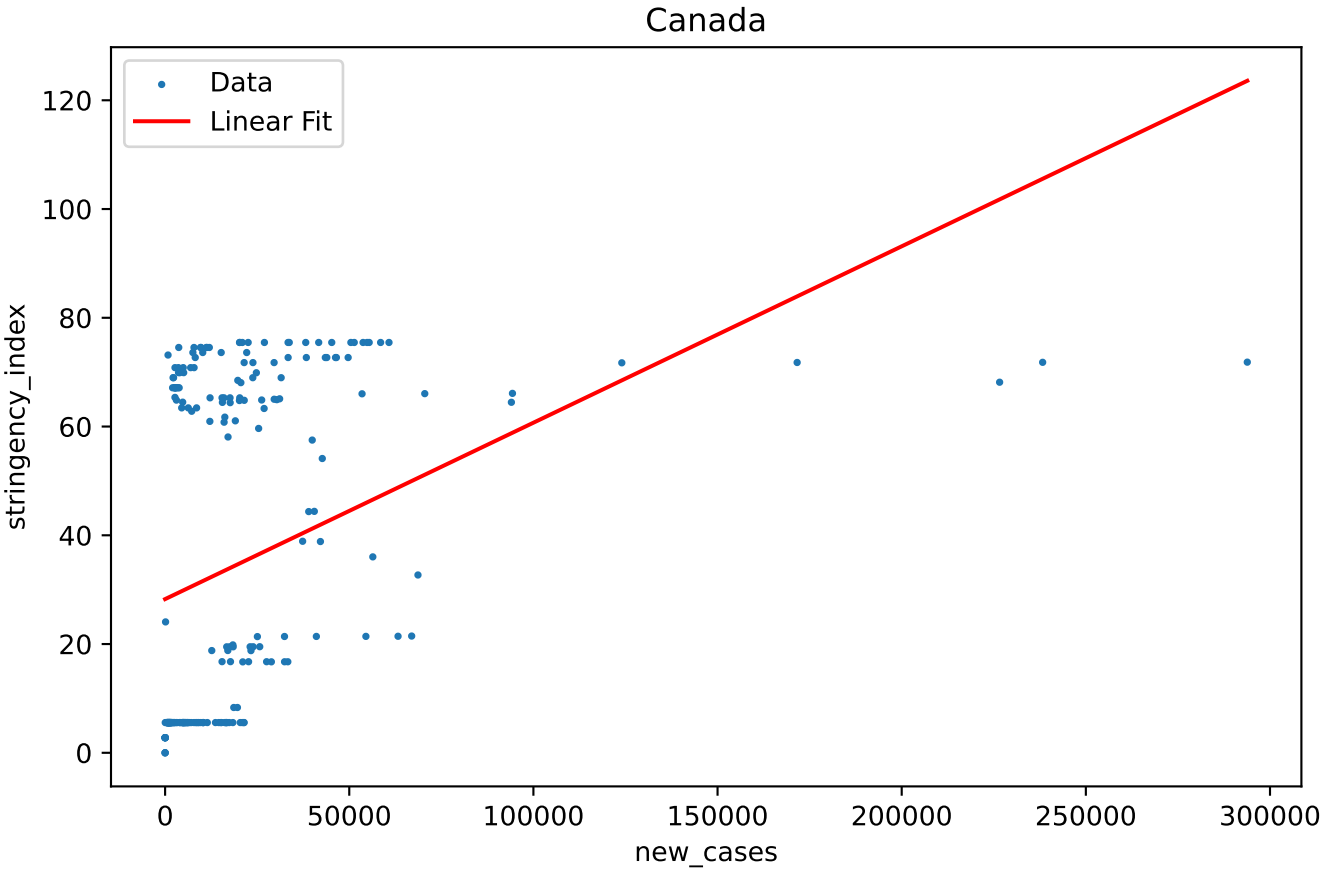
10
20
30
40
50
60
70
0
100000
200000
300000
400000
500000
600000


Canada
Data
Linear Fit
stringency_index
new_cases
0
20
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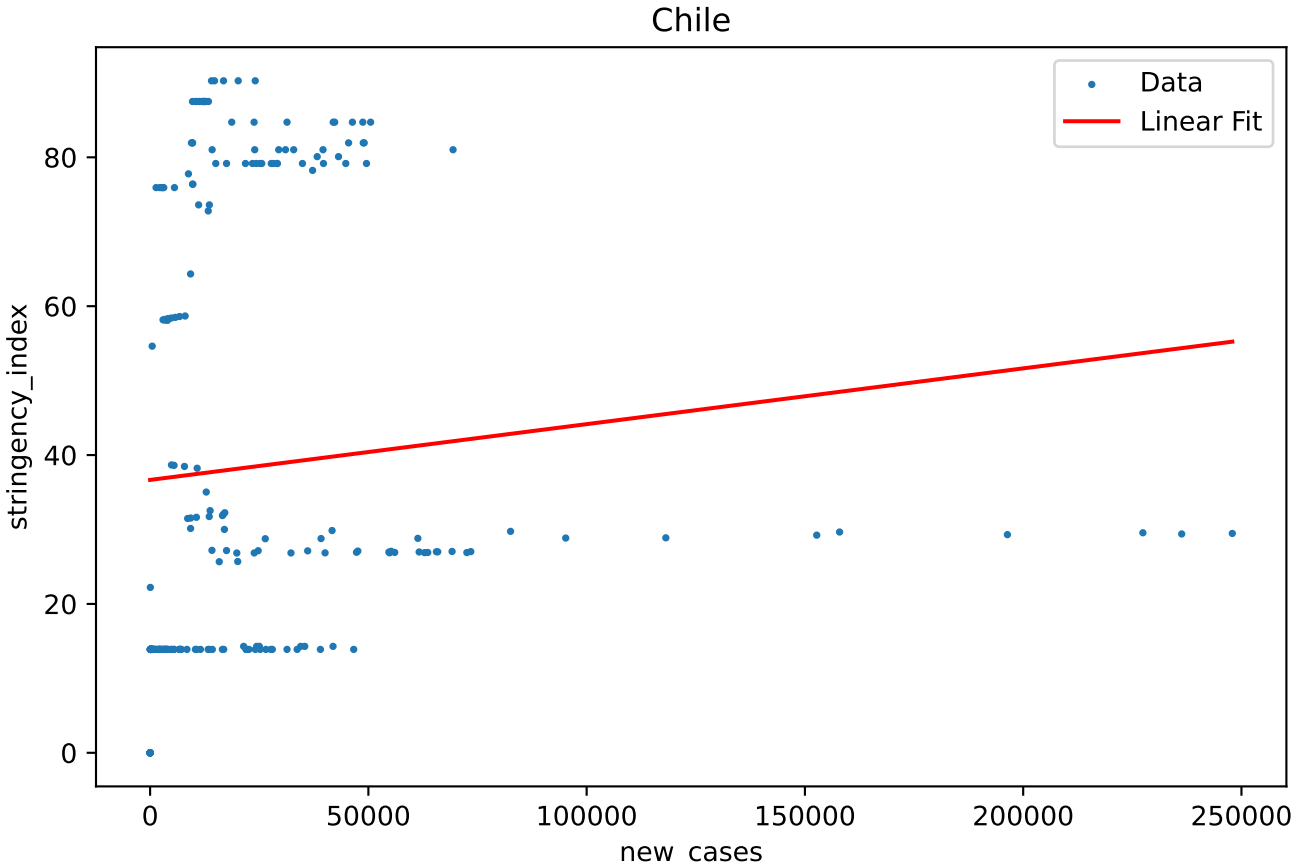
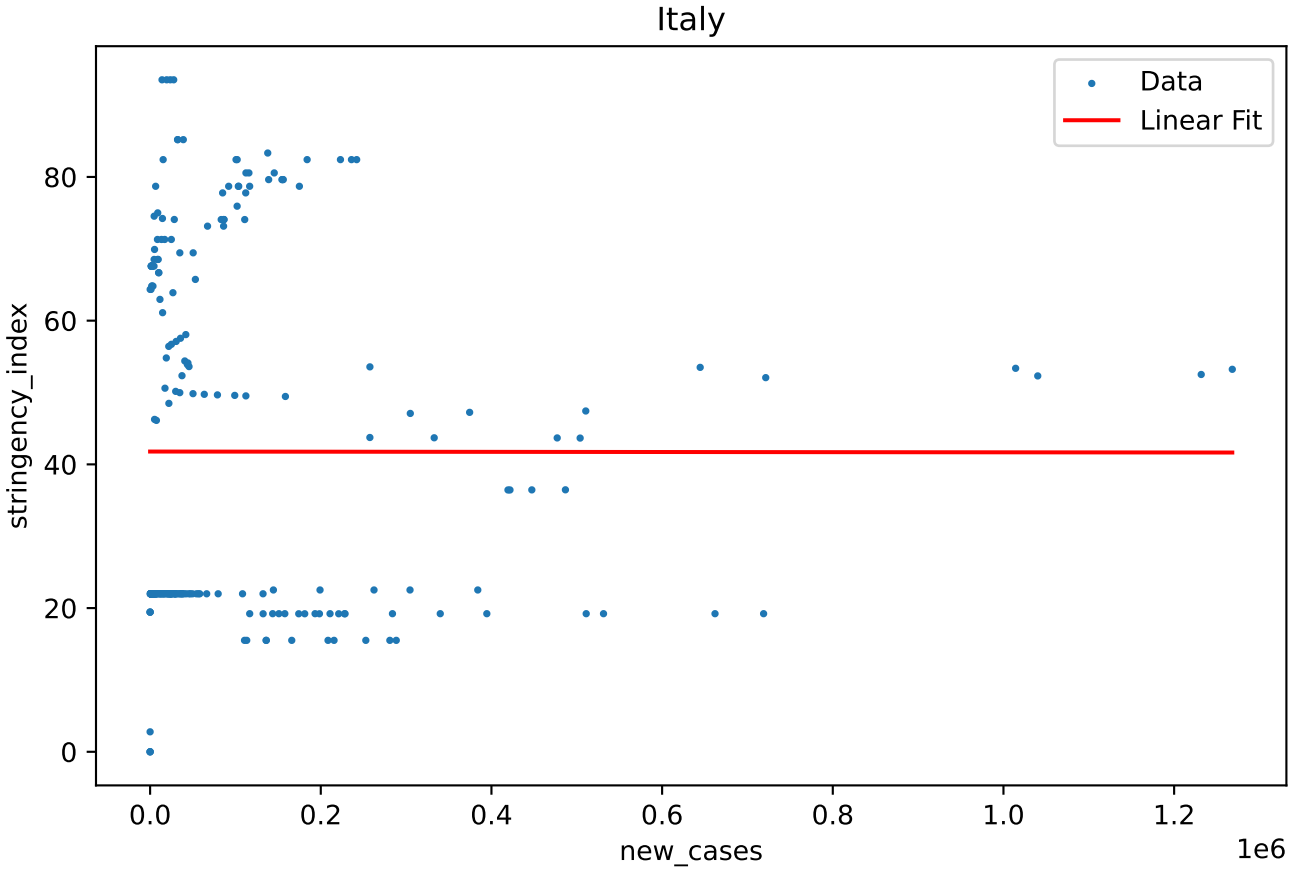
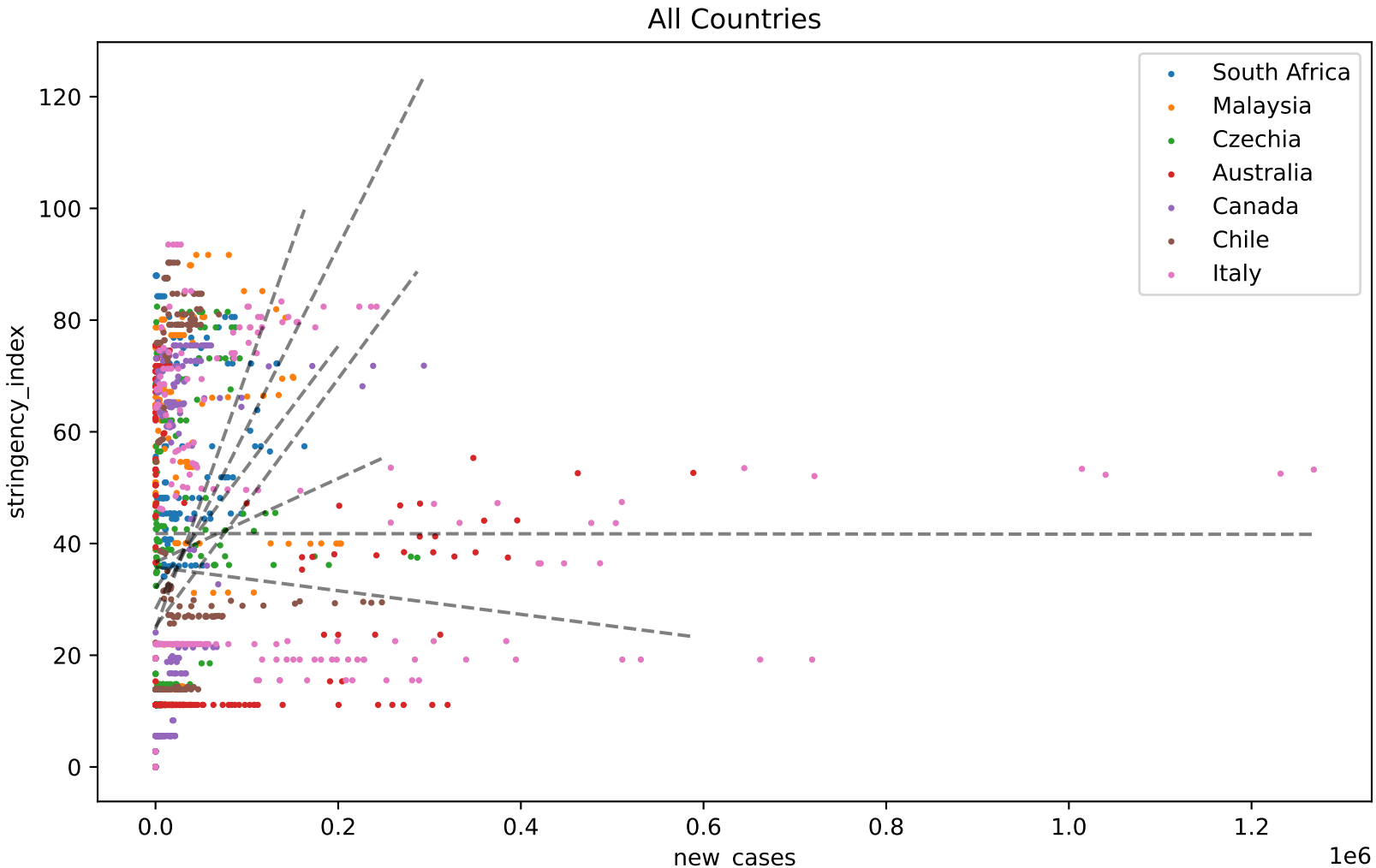
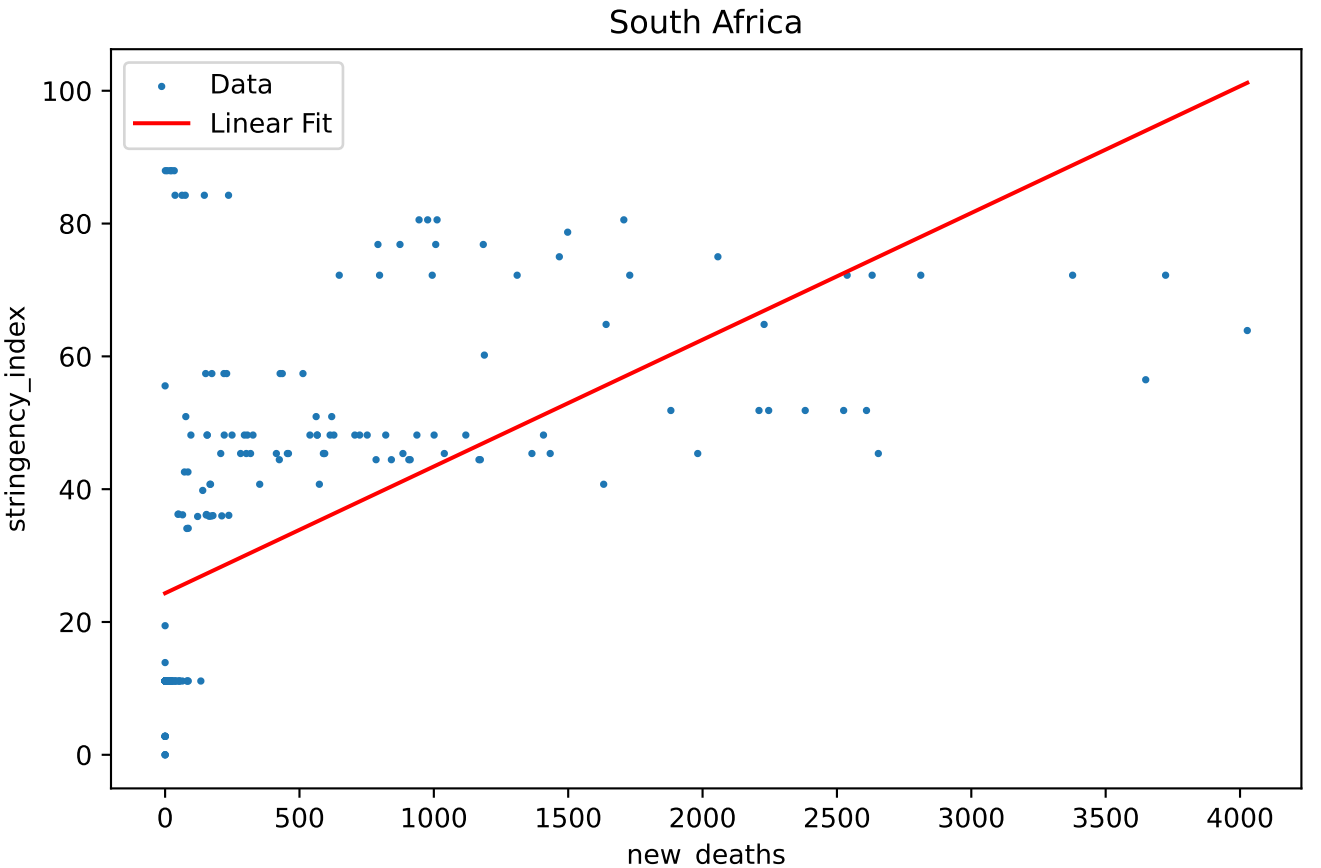
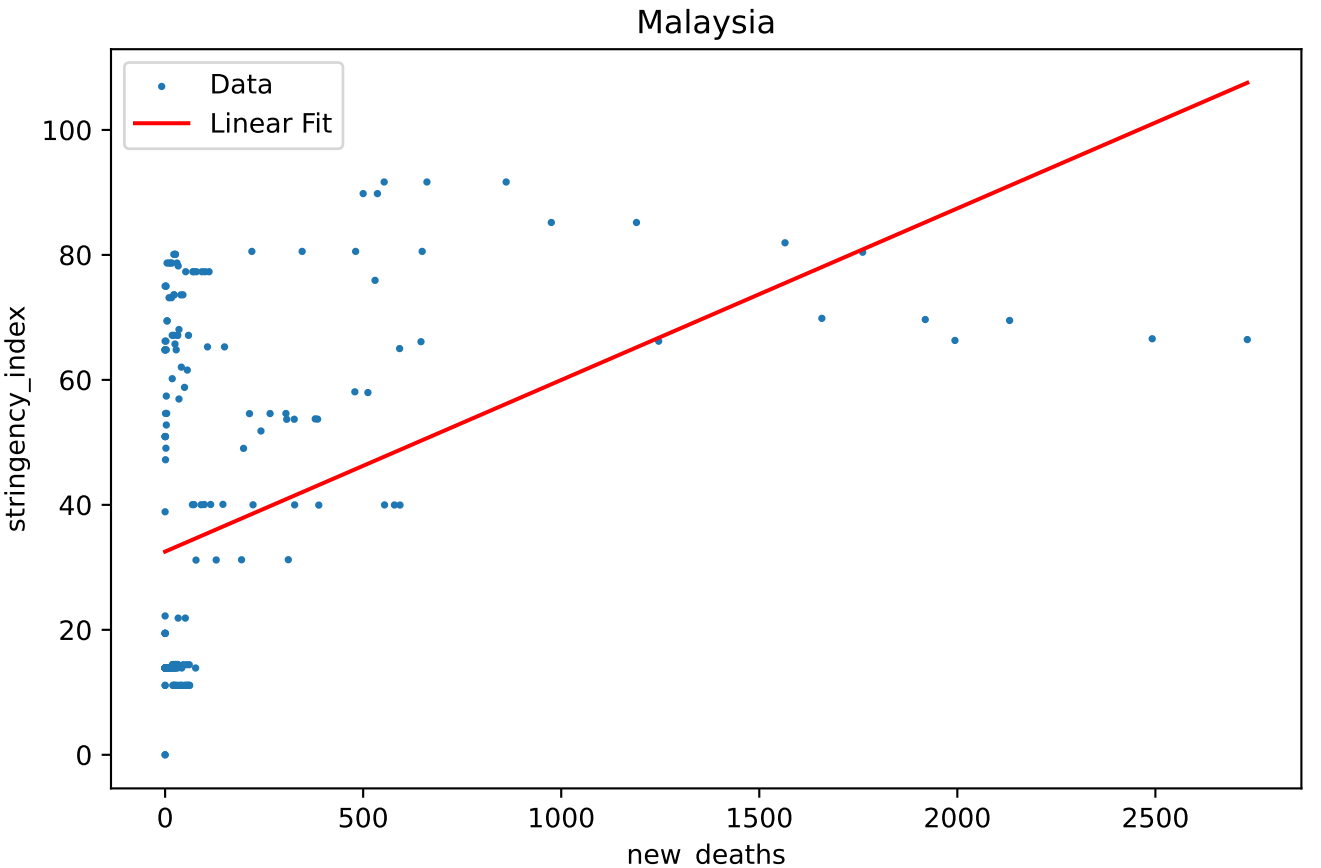
60
80
100
120
0
50000
100000
150000
200000
250000
300000

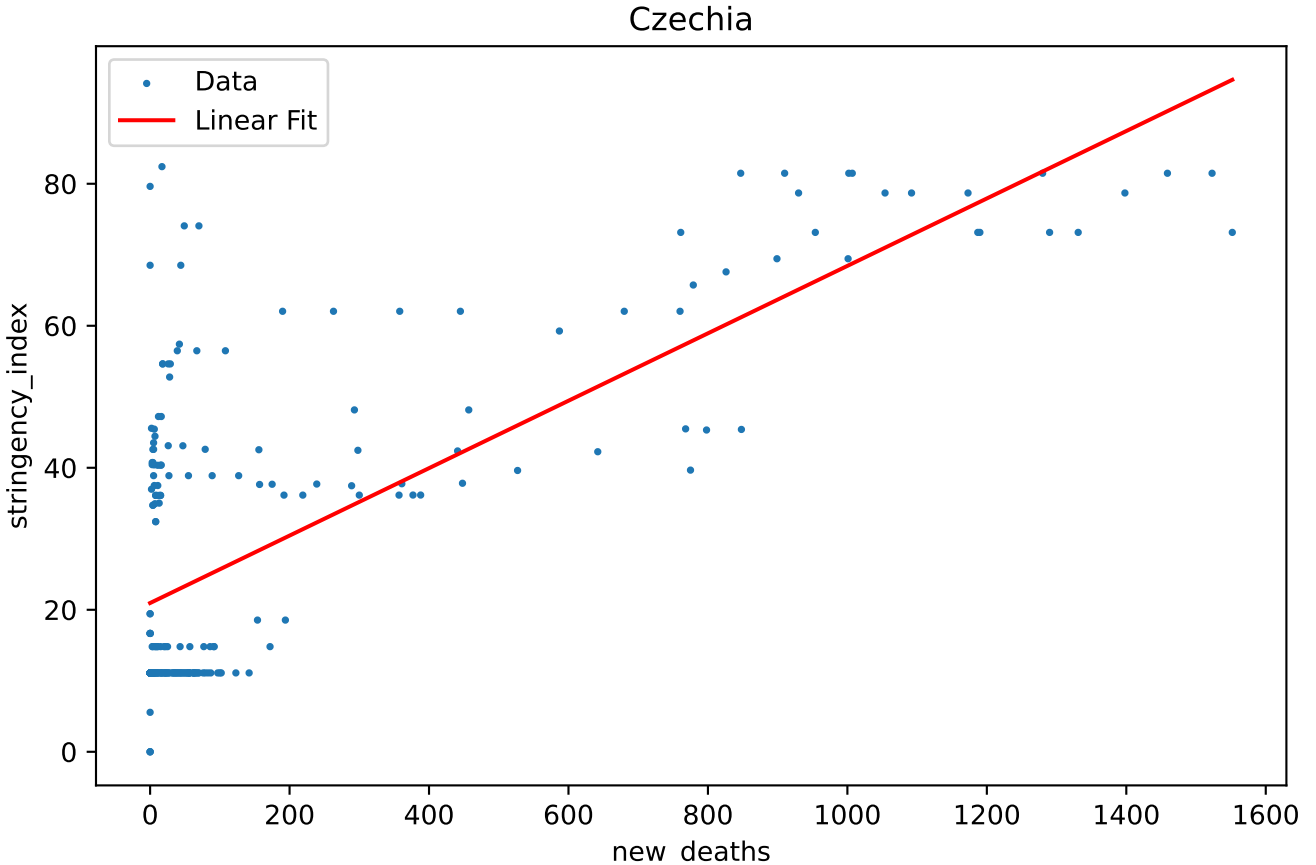

Chile
Data
Linear Fit
stringency_index
0
20
40
60
80
0
50000
100000
150000
200000
250000
new_cases

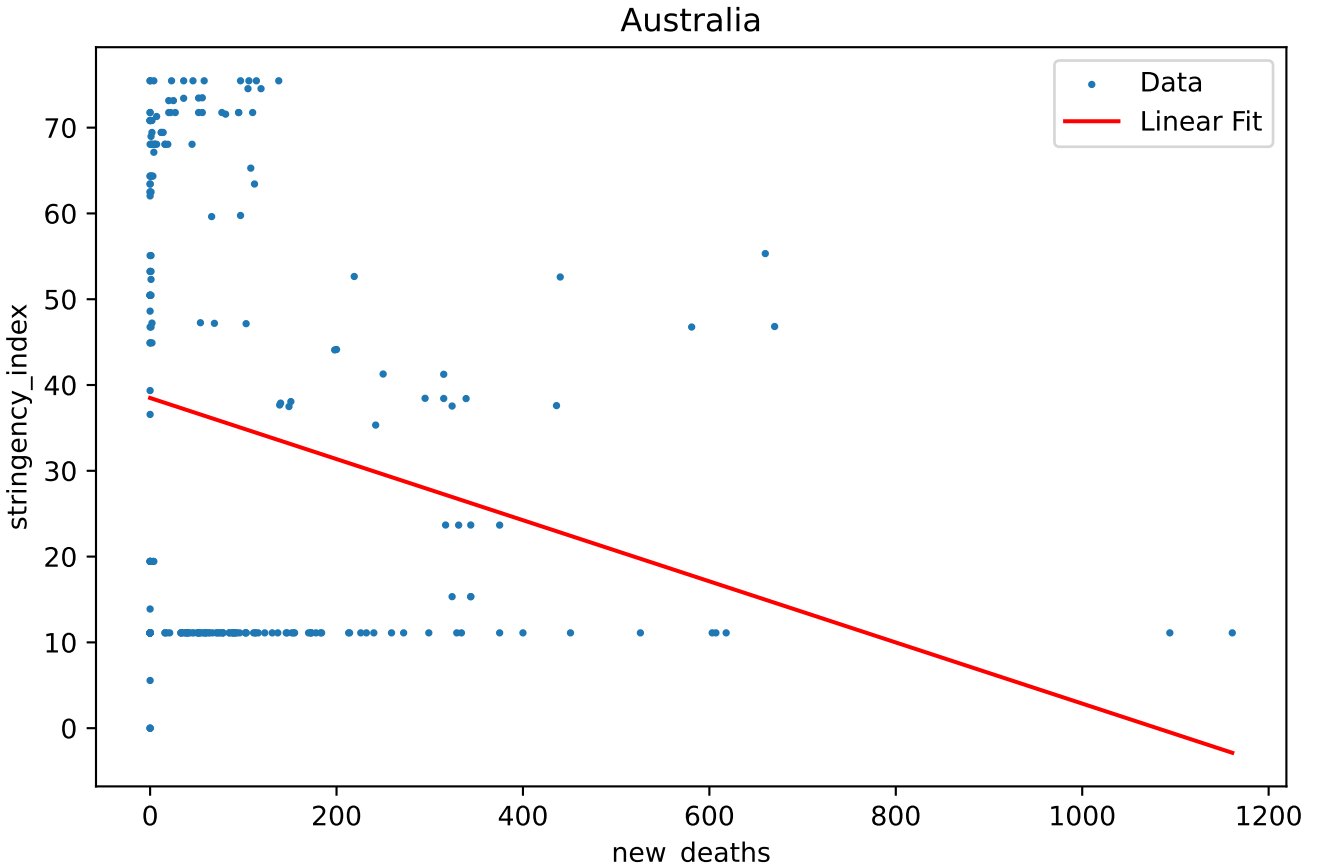

Italy
Data
Linear Fit
stringency_index
0
20
40
60
80
0.0
0.2
0.4
0.6
0.8
1.0
1.2
new_cases
1e6

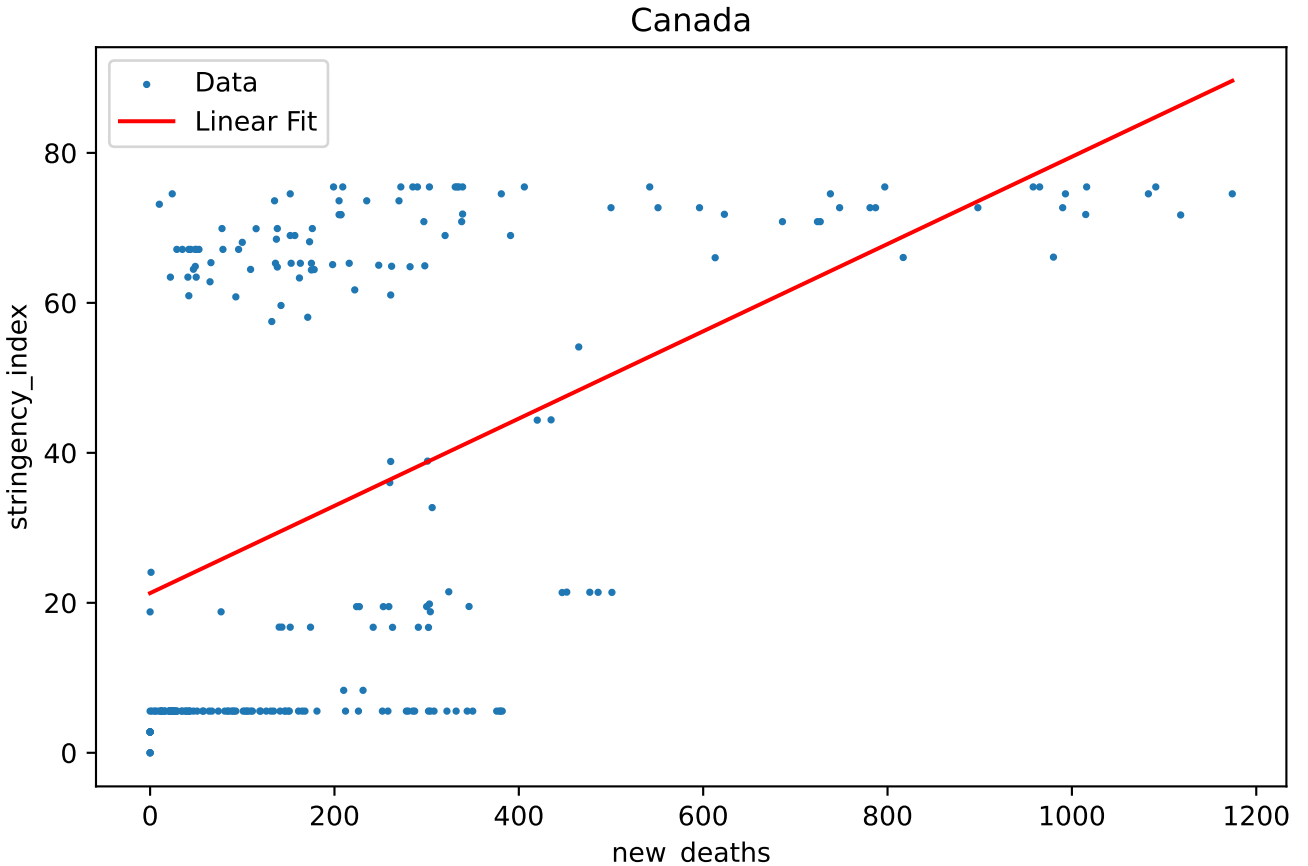

All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
stringency_index
0
20
40
60
80
100
120
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

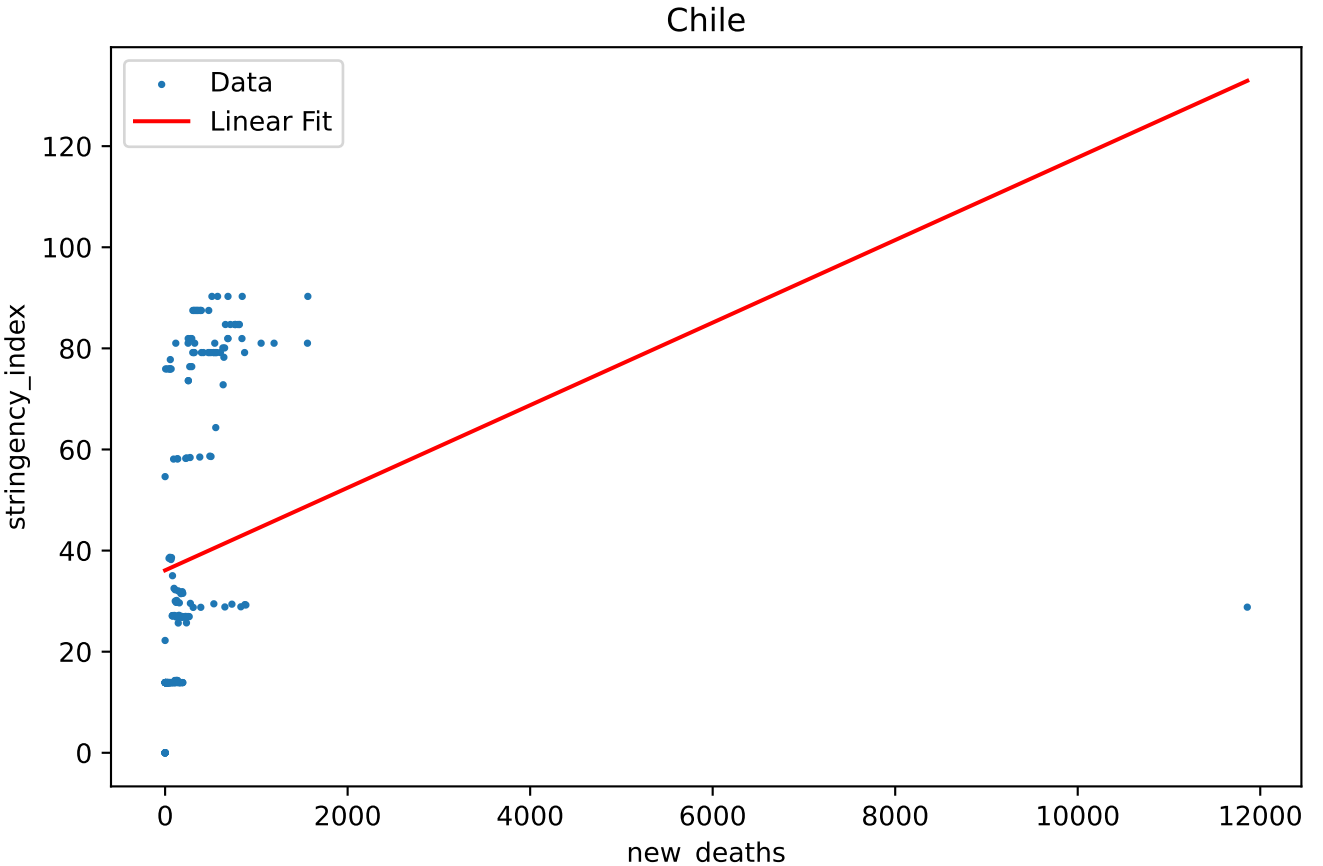

South Africa
Data
Linear Fit
stringency_index
new_deaths
0
20
40
60
80
100
0
500
1000
1500
2000
2500
3000
3500
4000

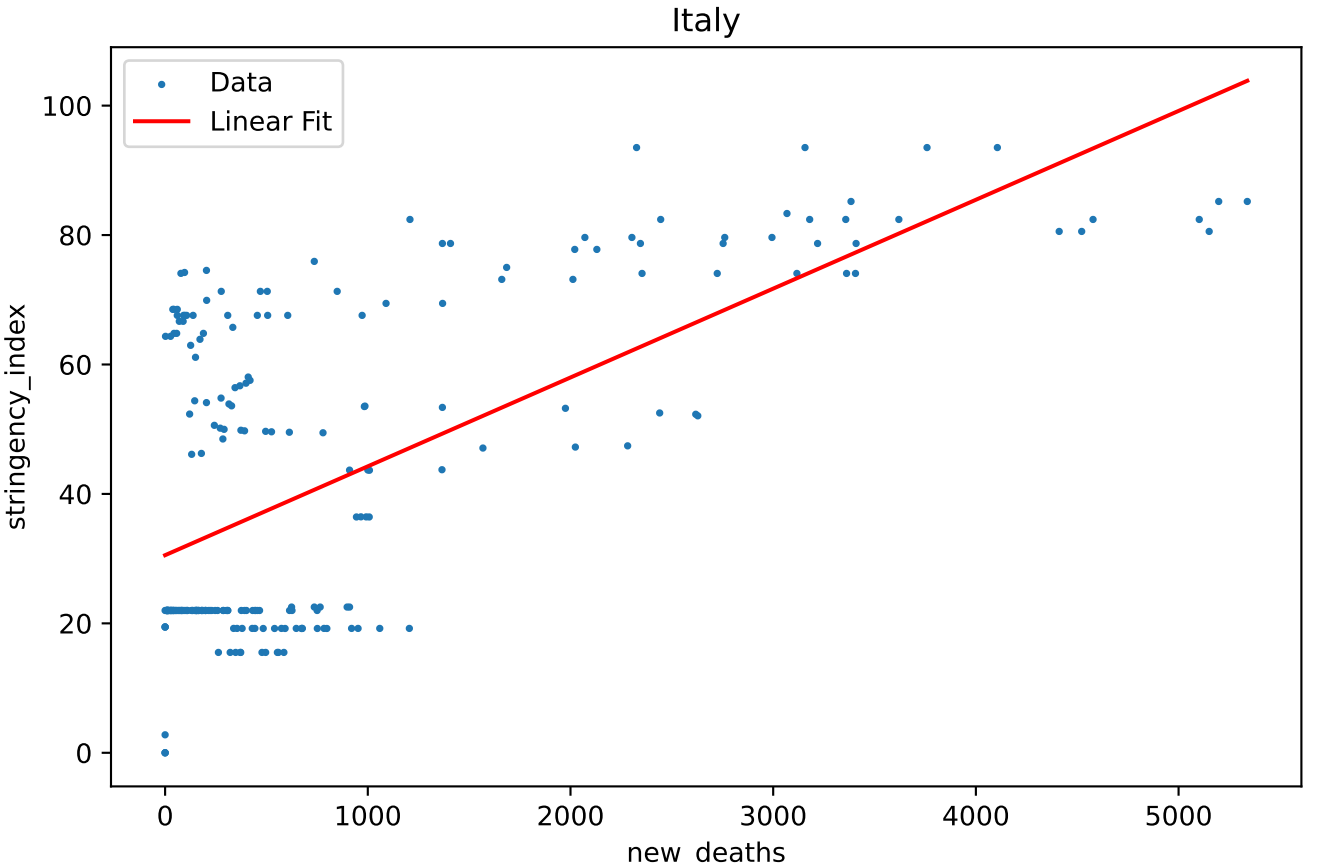

Malaysia
Data
Linear Fit
stringency_index
new_deaths
0
20
40
60
80
100
0
500
1000
1500
2000
2500

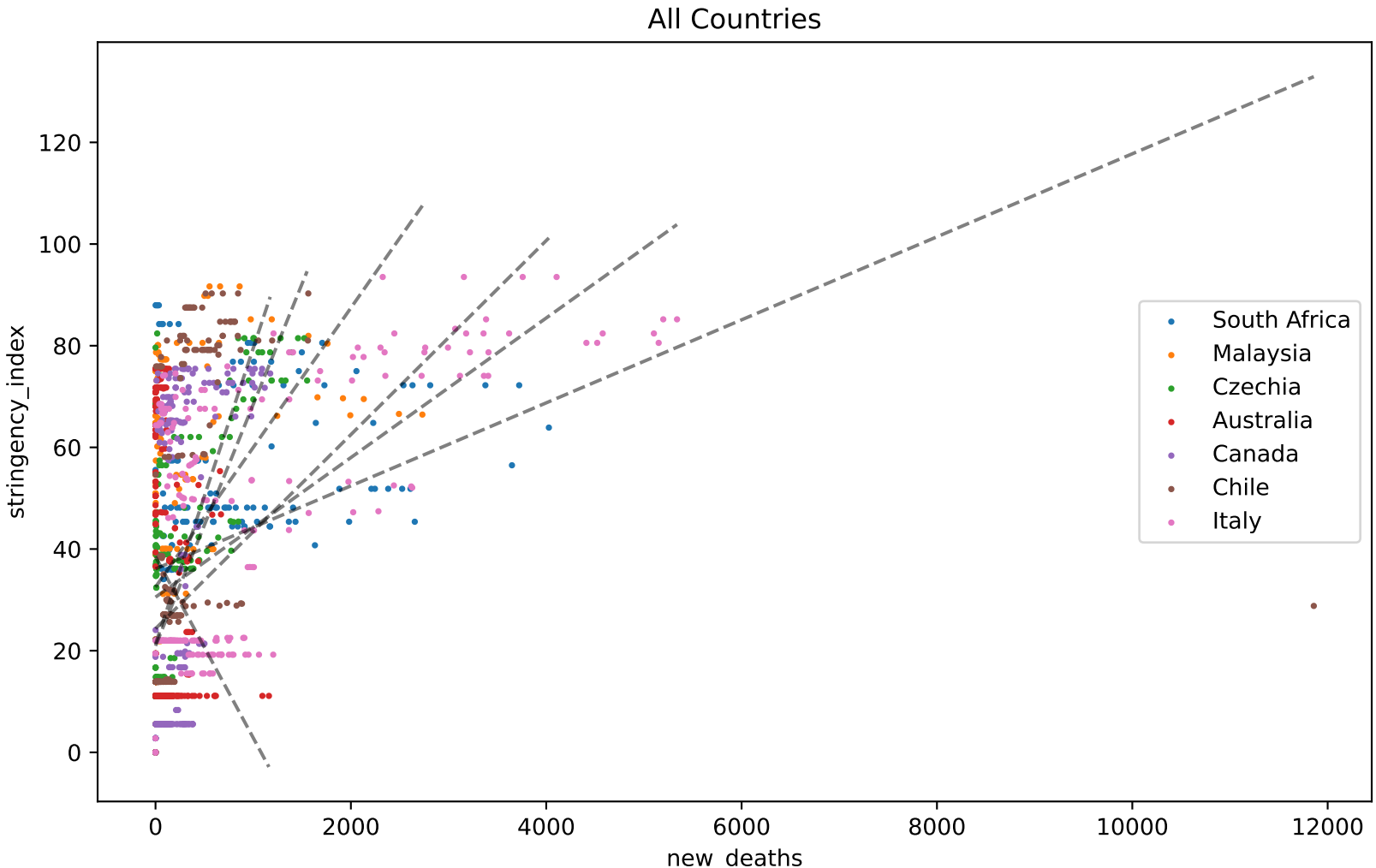

Czechia
Data
Linear Fit
stringency_index
new_deaths
0
20
40
60
80
0
200
400
600
800
1000
1200
1400
1600

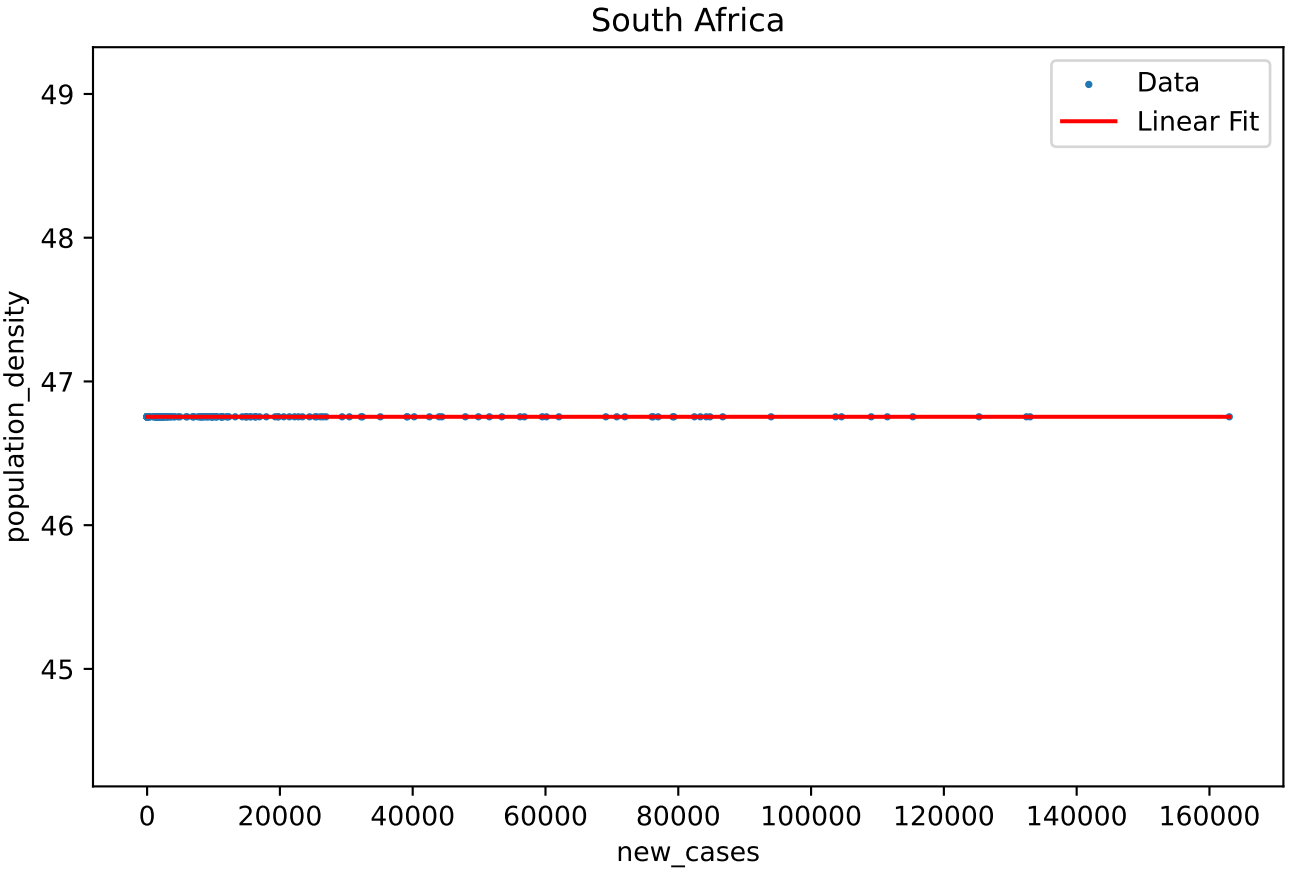

Australia
Data
Linear Fit
stringency_index
new_deaths
0
10
20
30
40
50
60
70
0
200
400
600
800
1000
1200

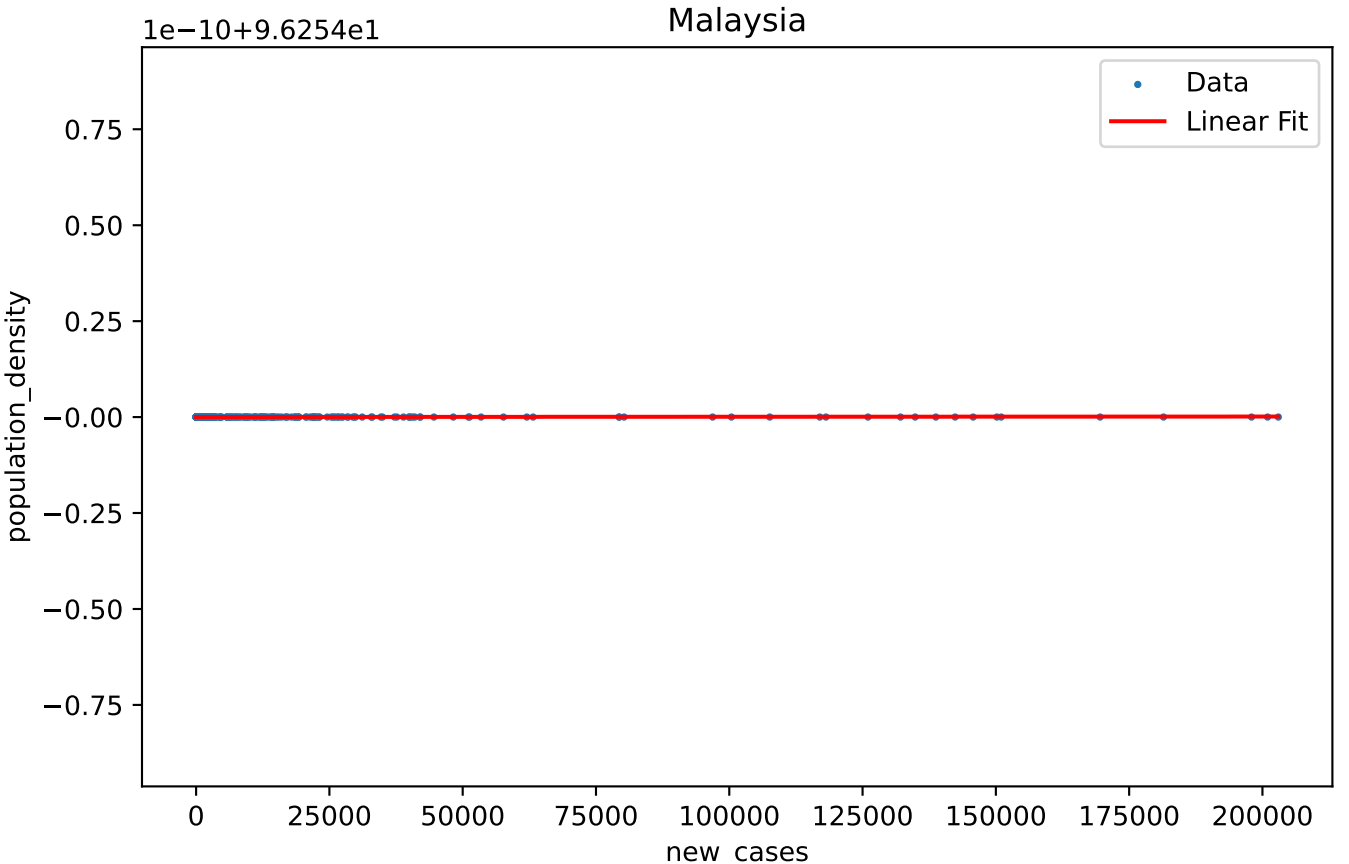

Canada
Data
Linear Fit
stringency_index
new_deaths
0
20
40
60
80
0
200
400
600
800
1000
1200

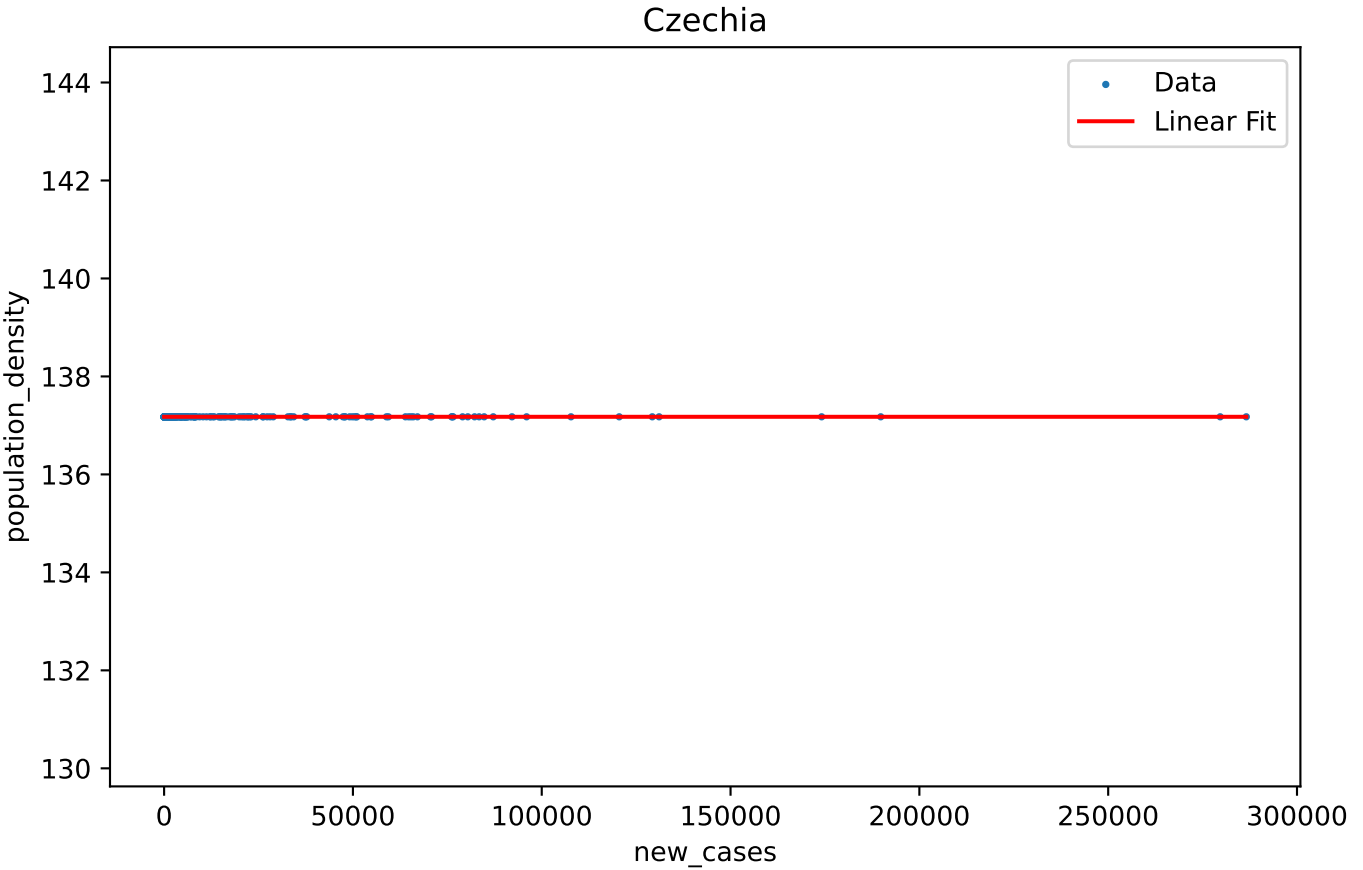

Chile
Data
Linear Fit
stringency_index
new_deaths
0
20
40
60
80
100
120
0
2000
4000
6000
8000
10000
12000

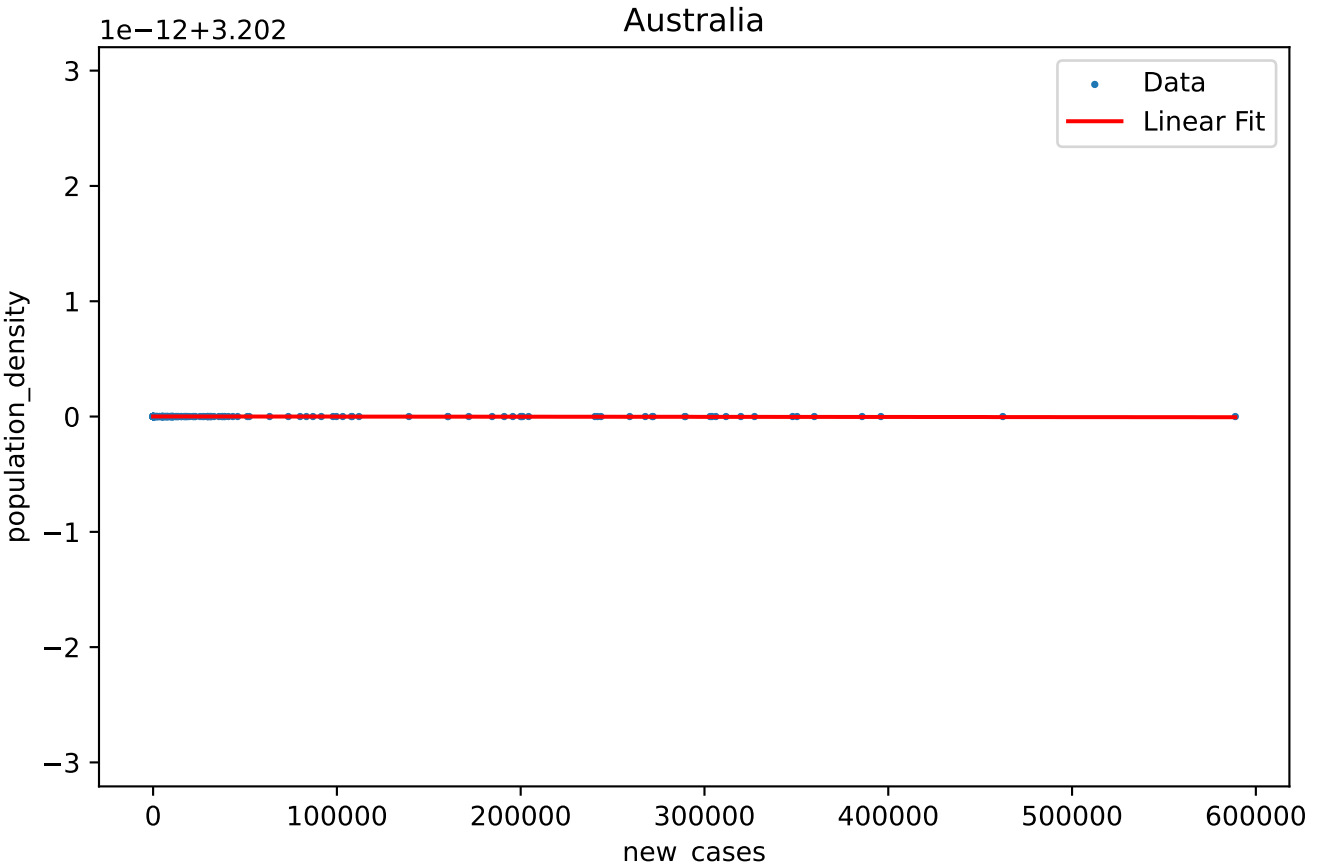

Italy
Data
Linear Fit
stringency_index
new_deaths
0
20
40
60
80
100
0
1000
2000
3000
4000
5000

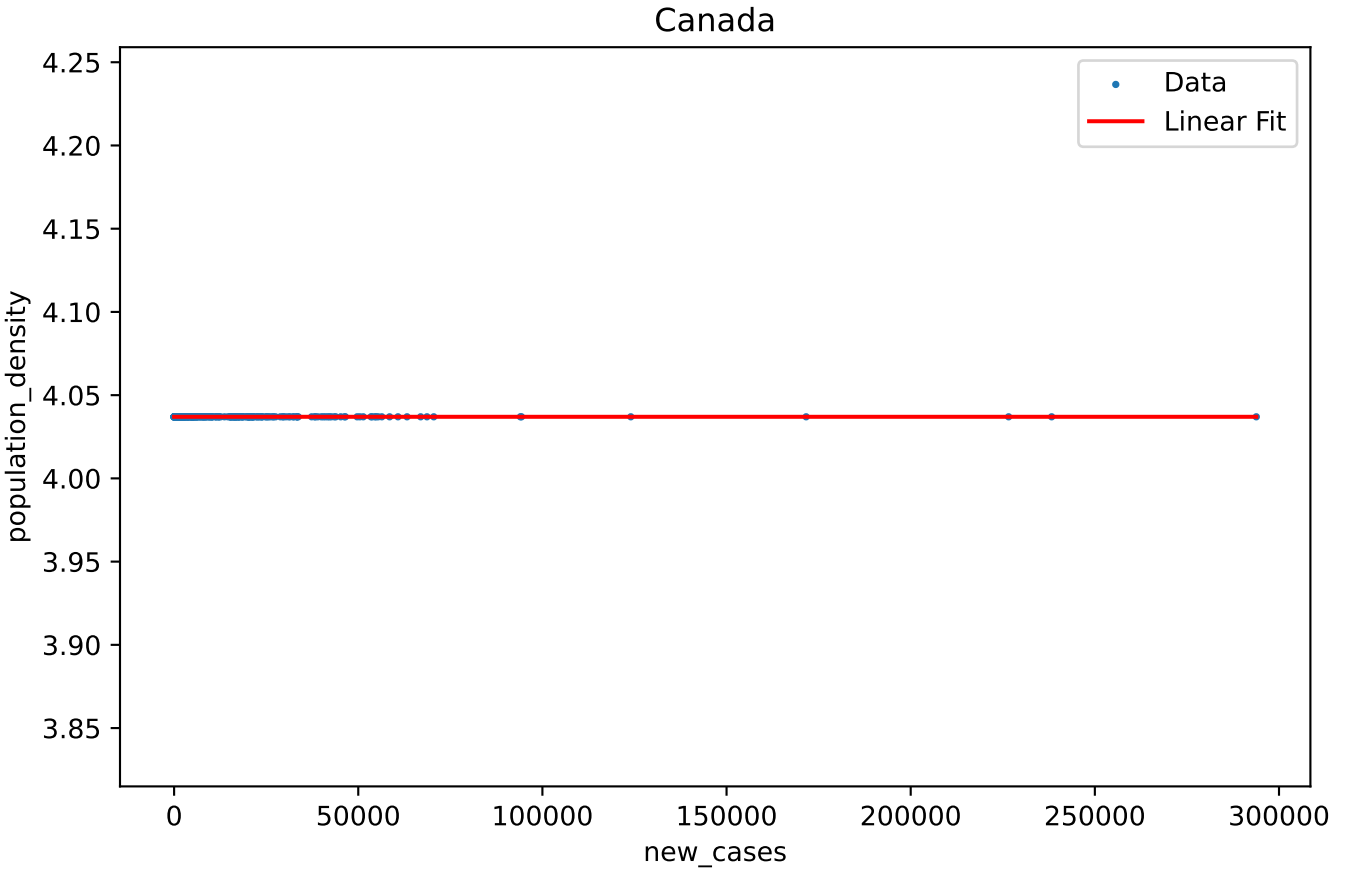

All Countries
stringency_index
new_deaths
0
20
40
60
80
100
120
0
2000
4000
6000
8000
10000
12000
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

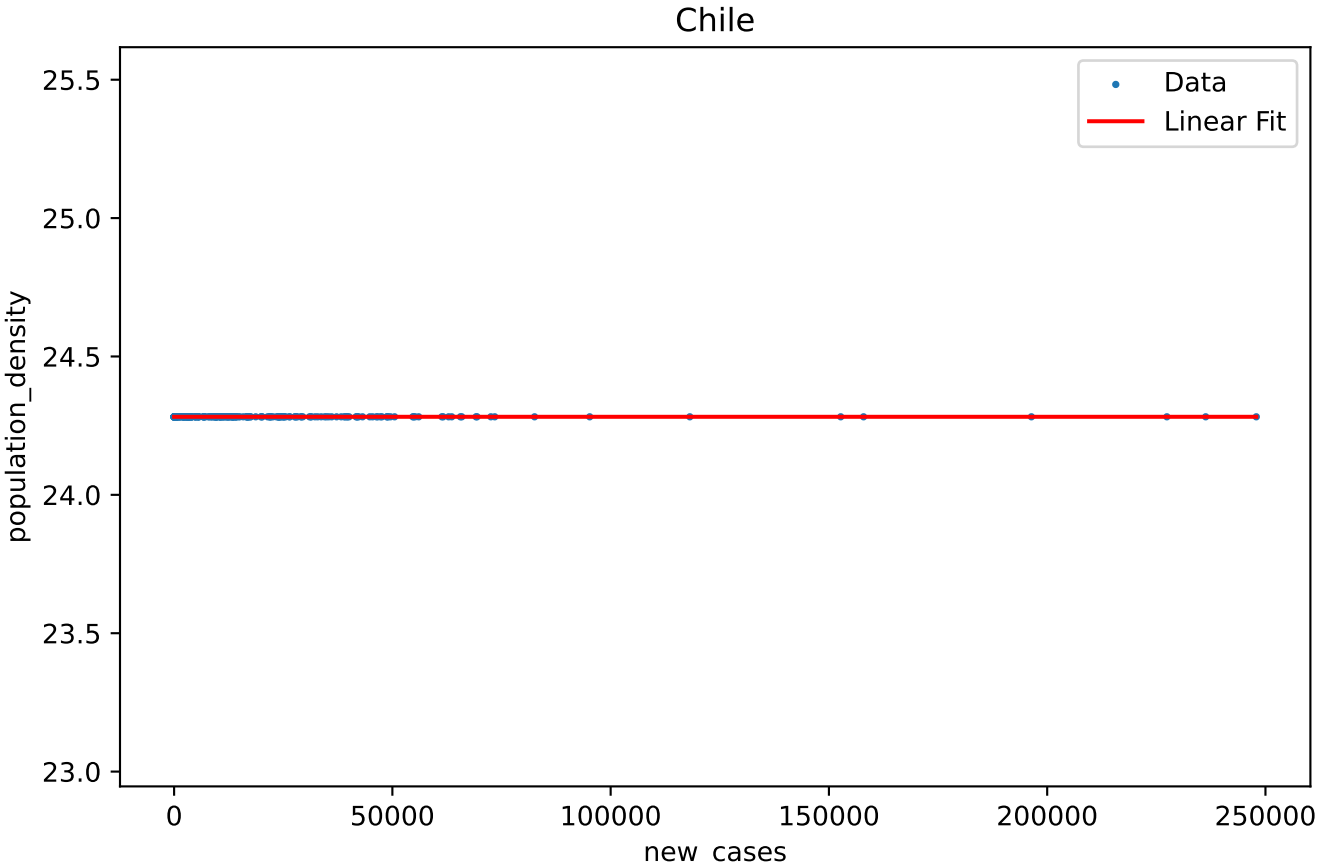

South Africa
Data
Linear Fit
population_density
49
48
47
46
45
0
20000
40000
60000
80000
100000
120000
140000
160000
new_cases

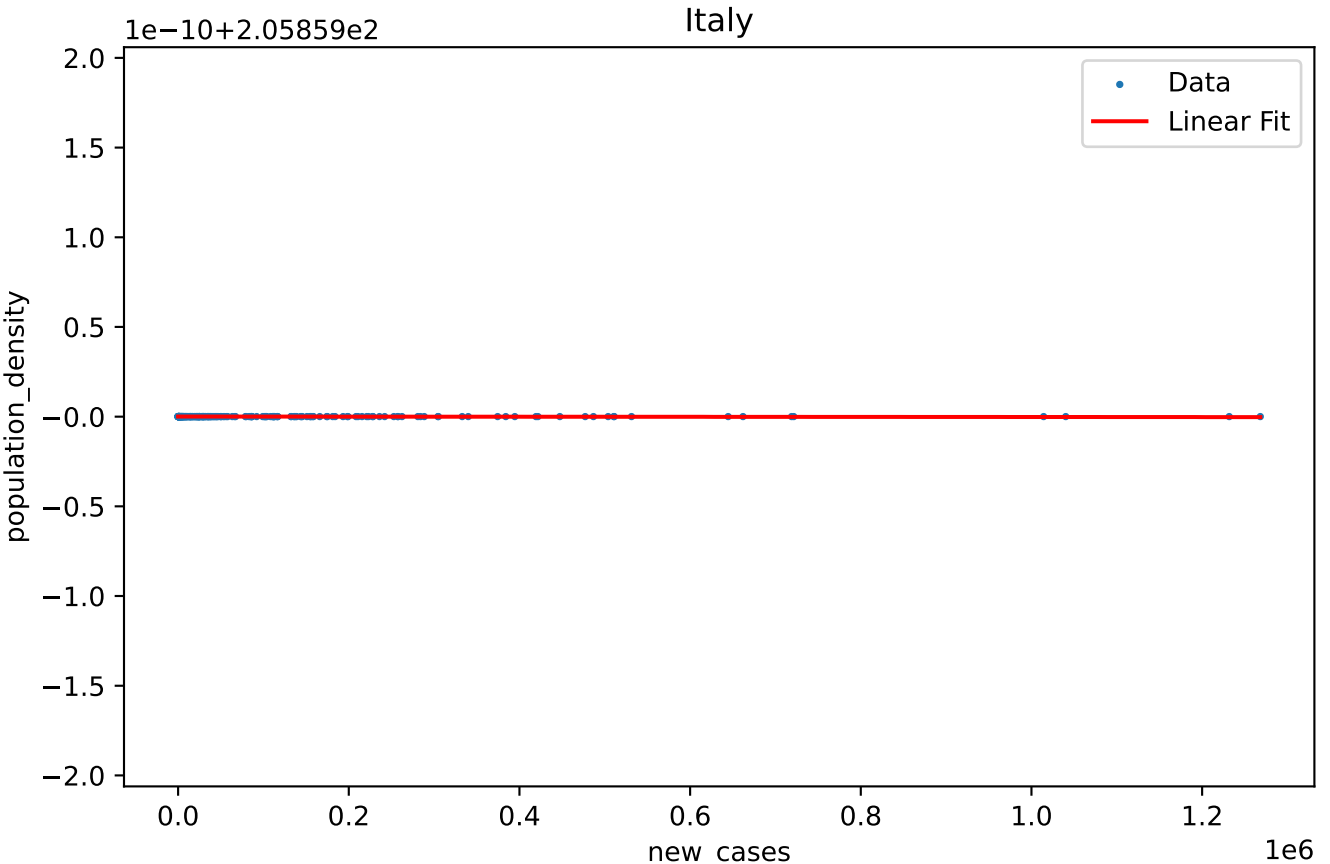

Malaysia
1e−10+9.6254e1
Data
Linear Fit
0.75
0.50
0.25
−0.00
−0.25
−0.50
−0.75
population_density
0
25000
50000
75000
100000
125000
150000
175000
200000
new_cases

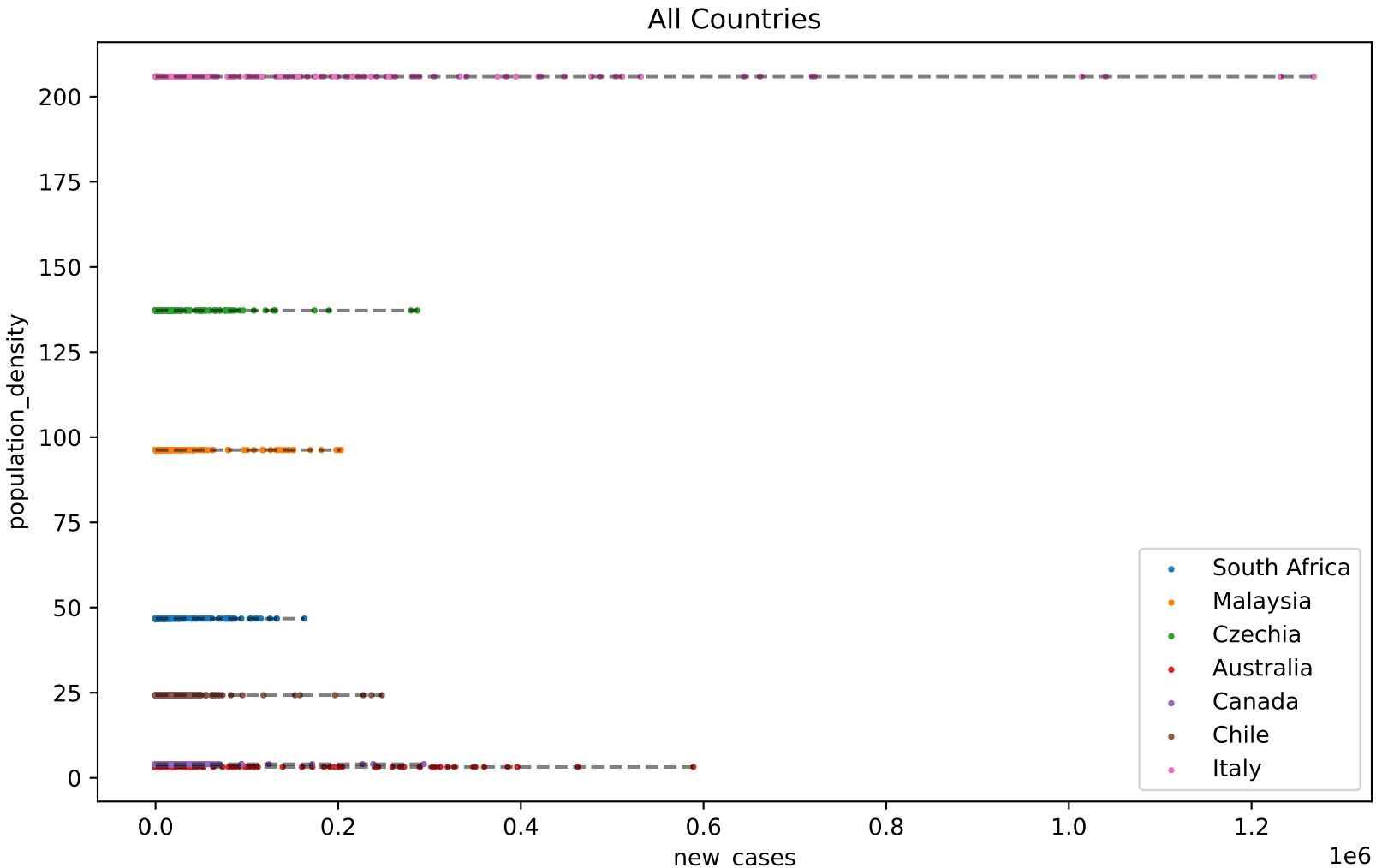

Czechia
Data
Linear Fit
population_density
144
142
140
138
136
134
132
130
0
50000
100000
150000
200000
250000
300000
new_cases

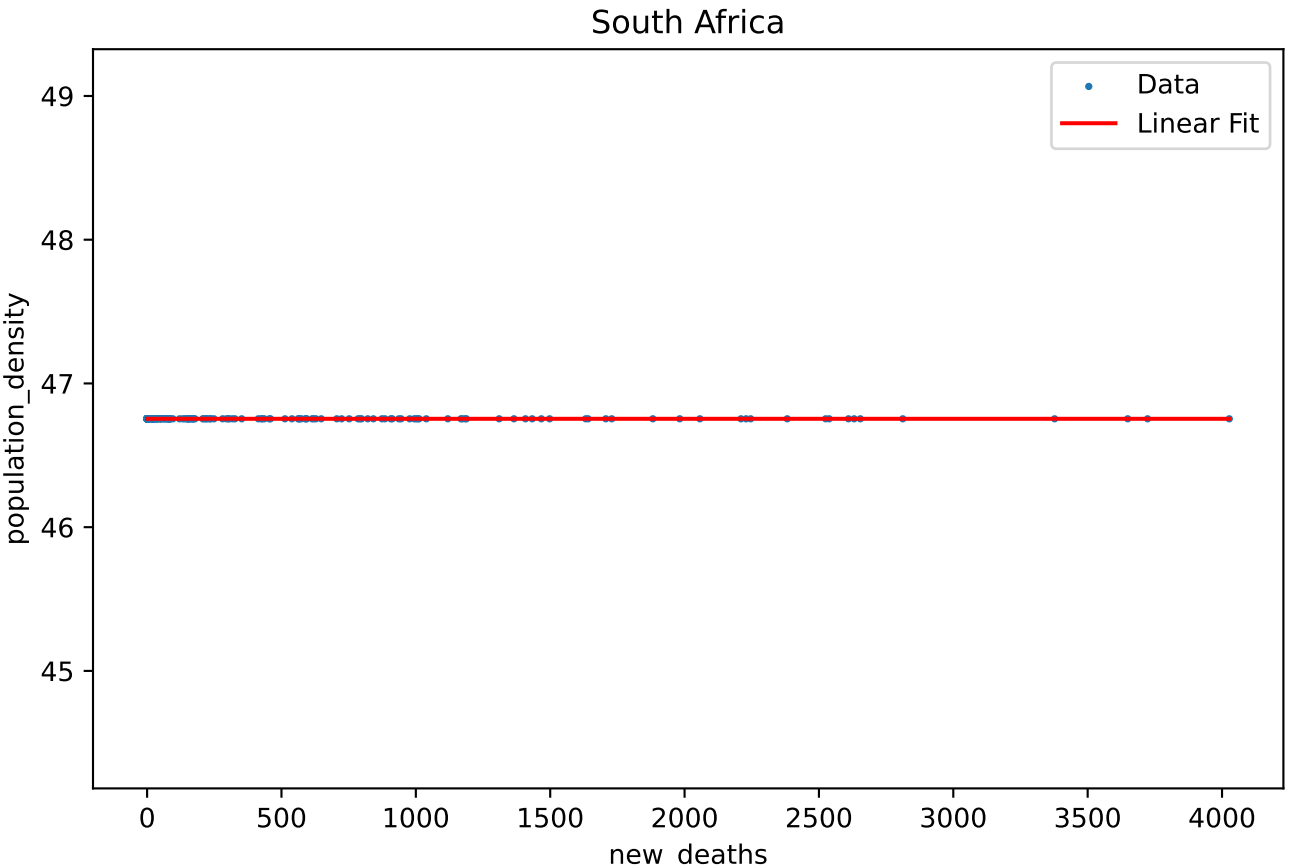

Australia
1e−12+3.202
Data
Linear Fit
population_density
new_cases
3
2
1
0
−1
−2
−3
0
100000
200000
300000
400000
500000
600000

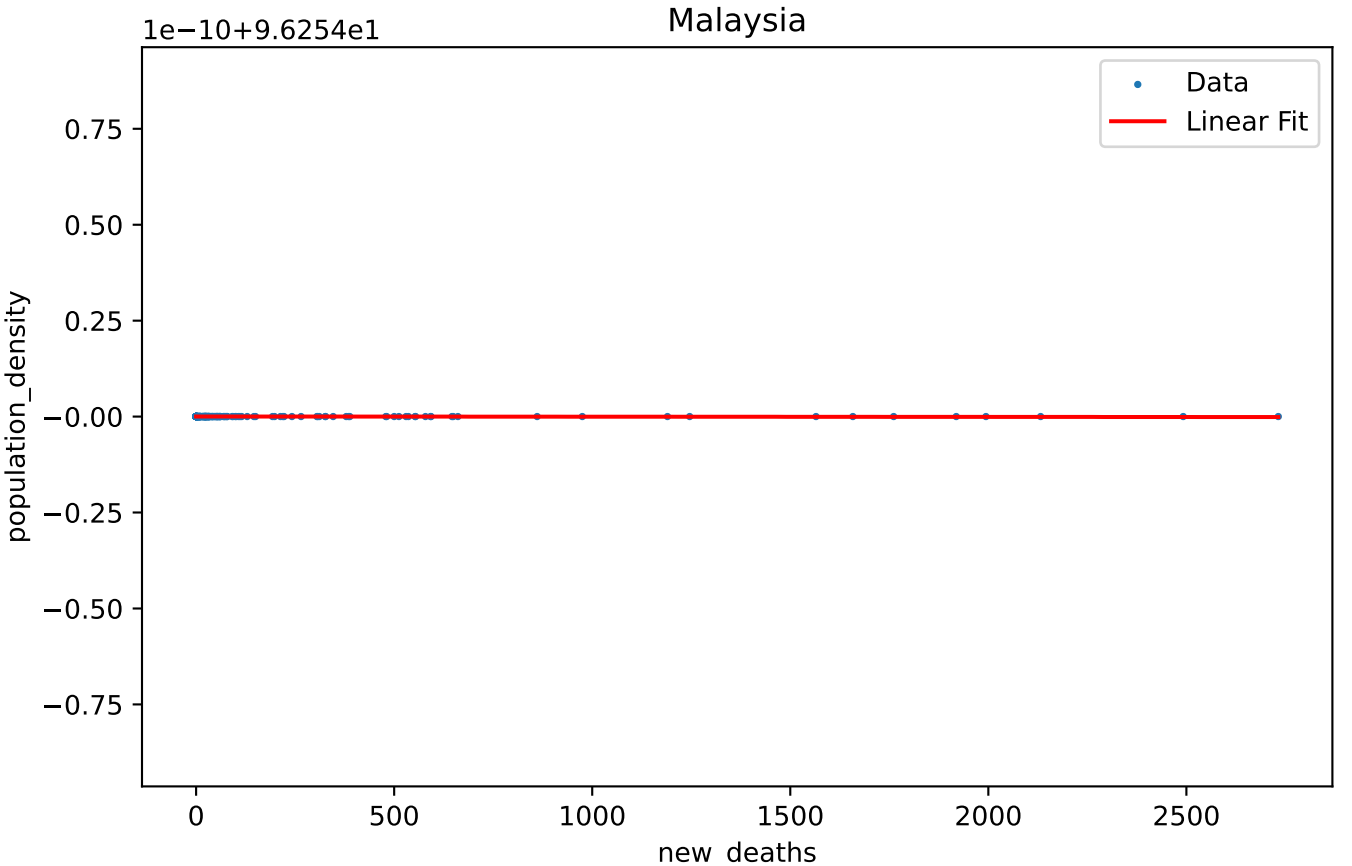

Canada
Data
Linear Fit
4.25
4.20
4.15
4.10
4.05
4.00
3.95
3.90
3.85
population_density
0
50000
100000
150000
200000
250000
300000
new_cases

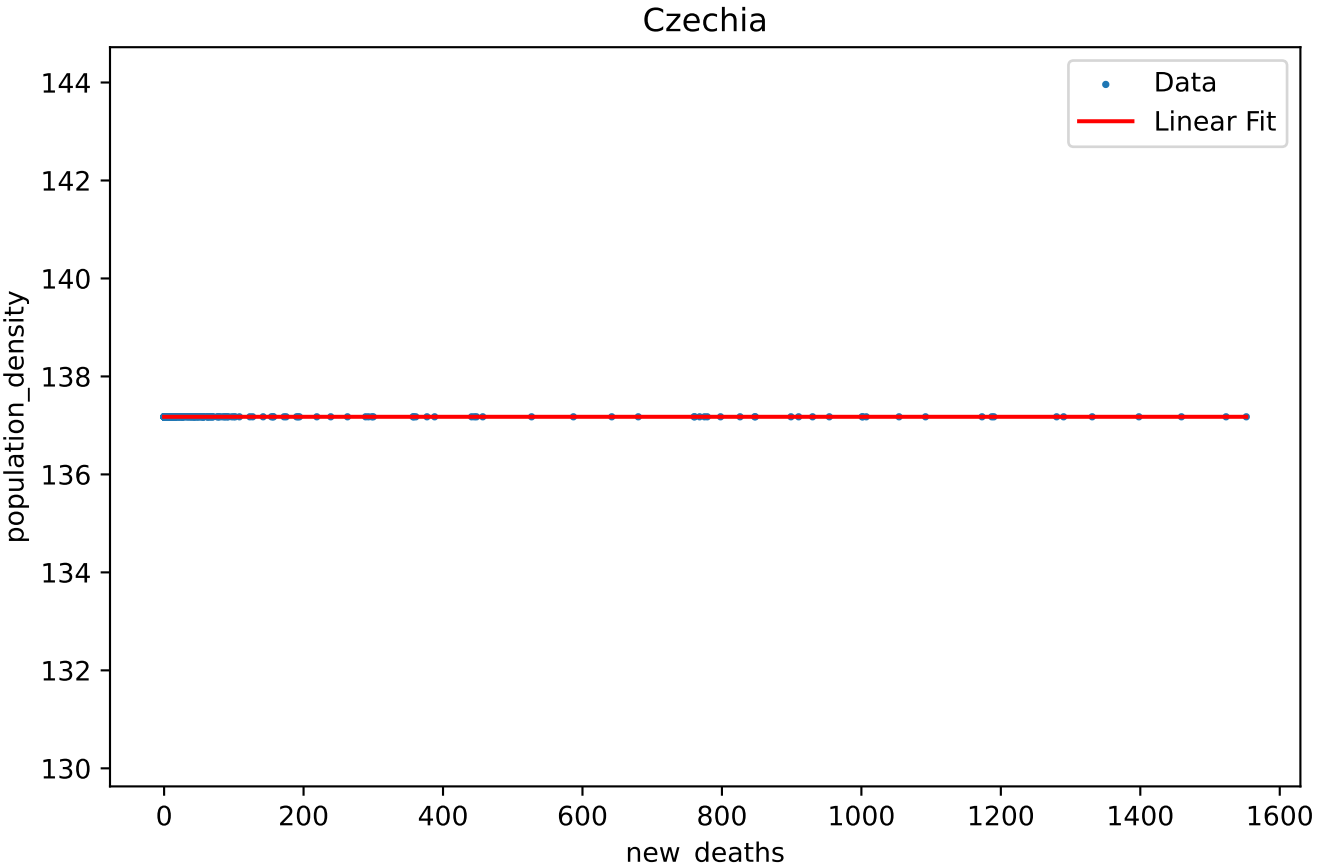

Chile
Data
Linear Fit
25.5
25.0
24.5
24.0
23.5
23.0
population_density
0
50000
100000
150000
200000
250000
new_cases

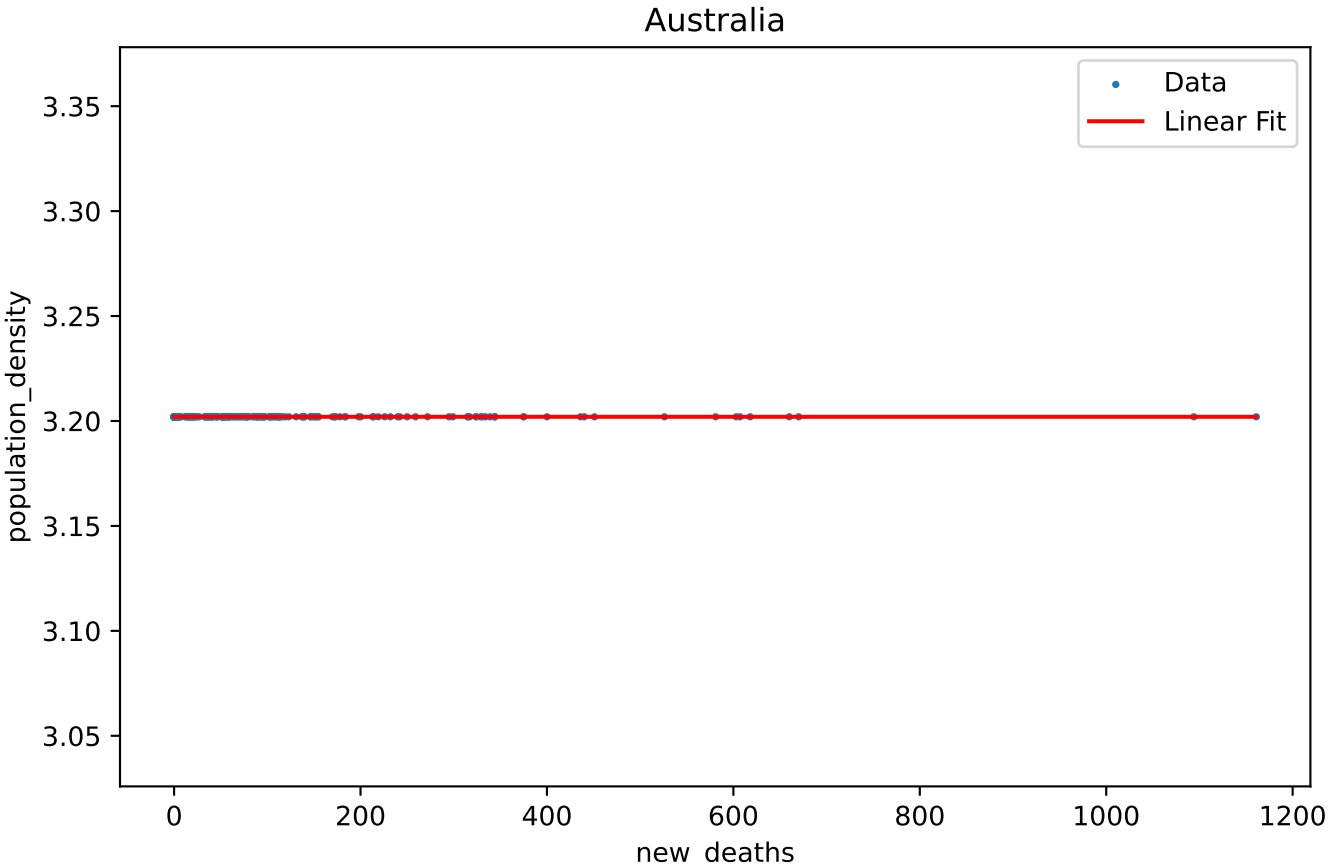

Italy
1e−10+2.05859e2
2.0
1.5
1.0
0.5
−0.0
−0.5
−1.0
−1.5
−2.0
population_density
Data
Linear Fit
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

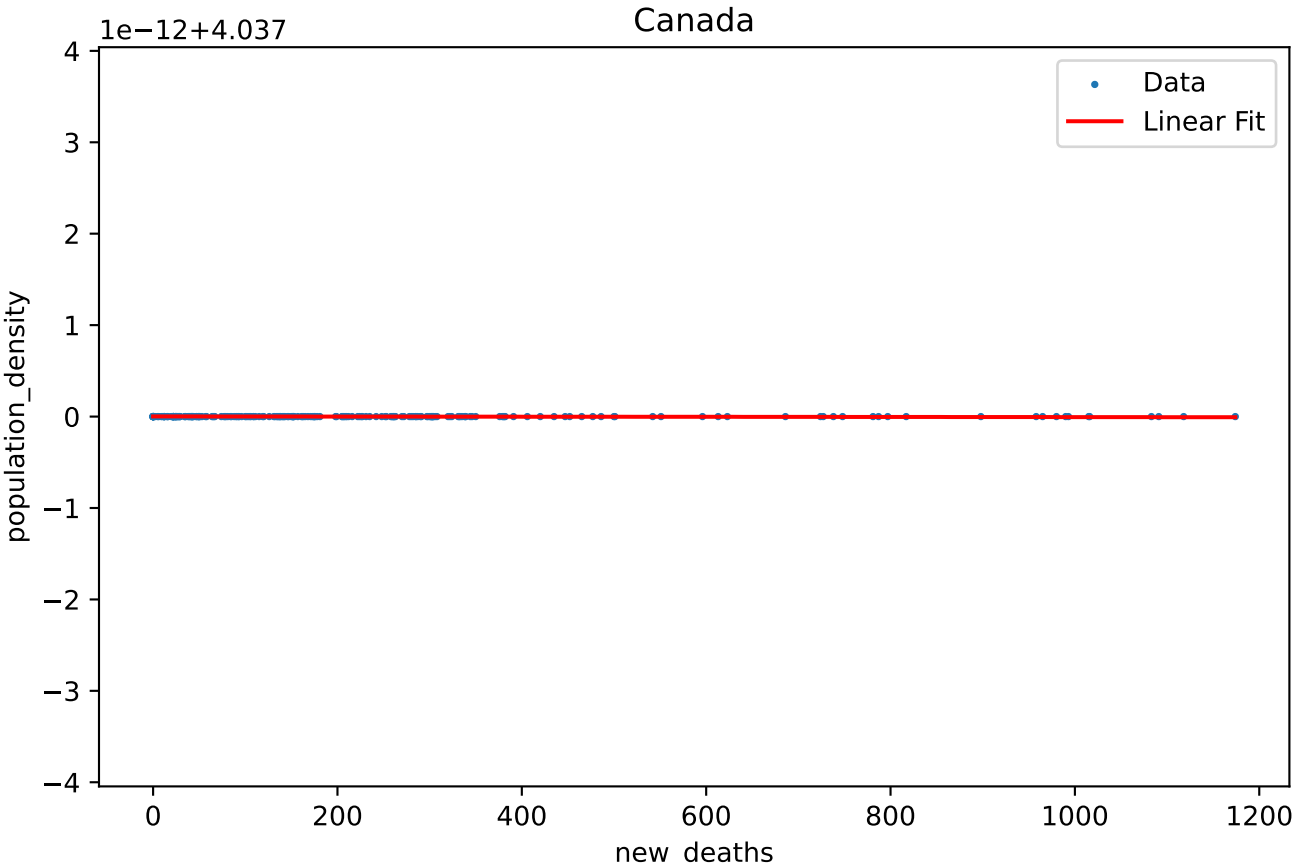

All Countries
population_density
new_cases
1e6
0
25
50
75
100
125
150
175
200
0.0
0.2
0.4
0.6
0.8
1.0
1.2
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

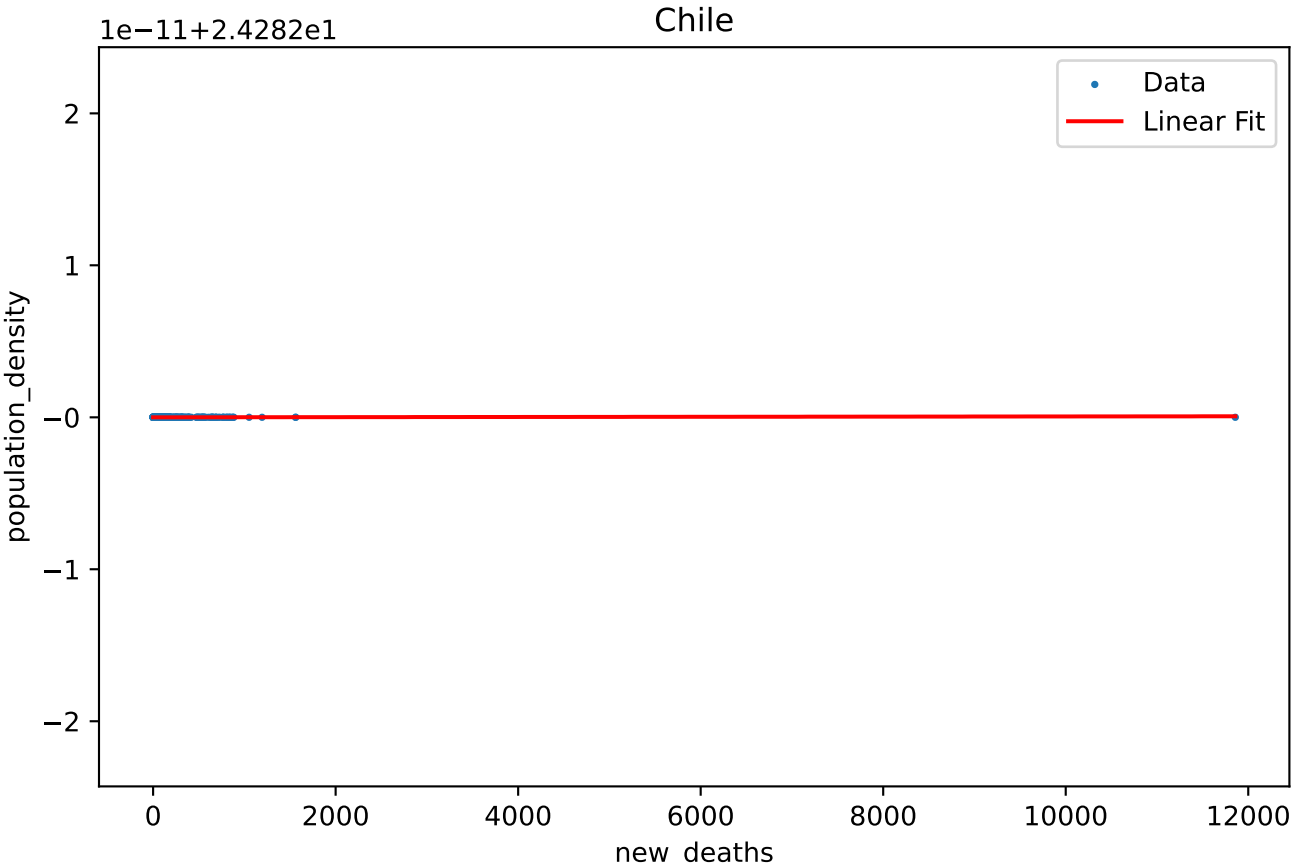

South Africa
Data
Linear Fit
population_density
new_deaths
49
48
47
46
45
0
500
1000
1500
2000
2500
3000
3500
4000

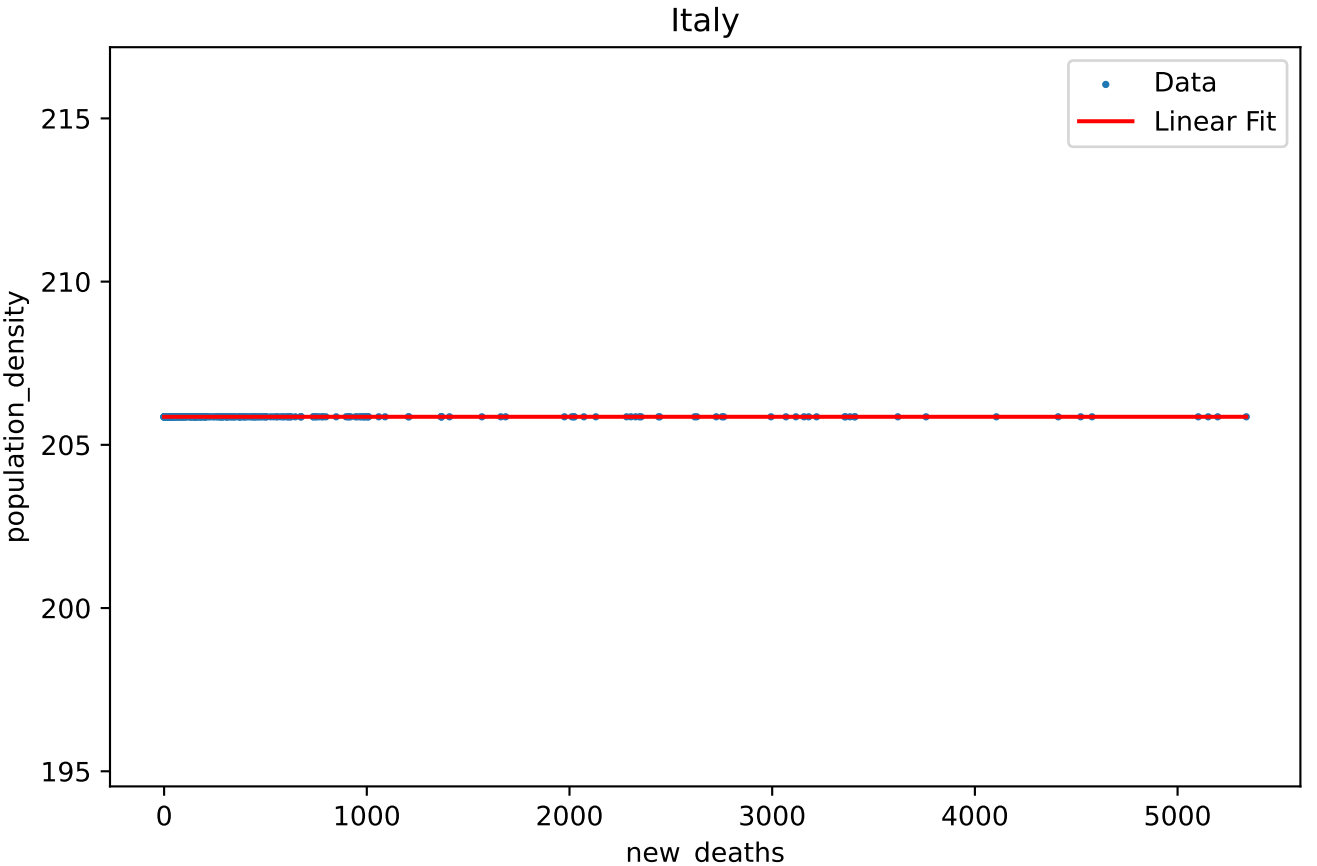

Malaysia
1e−10+9.6254e1
Data
Linear Fit
0.75
0.50
0.25
−0.00
−0.25
−0.50
−0.75
population_density
0
500
1000
1500
2000
2500
new_deaths

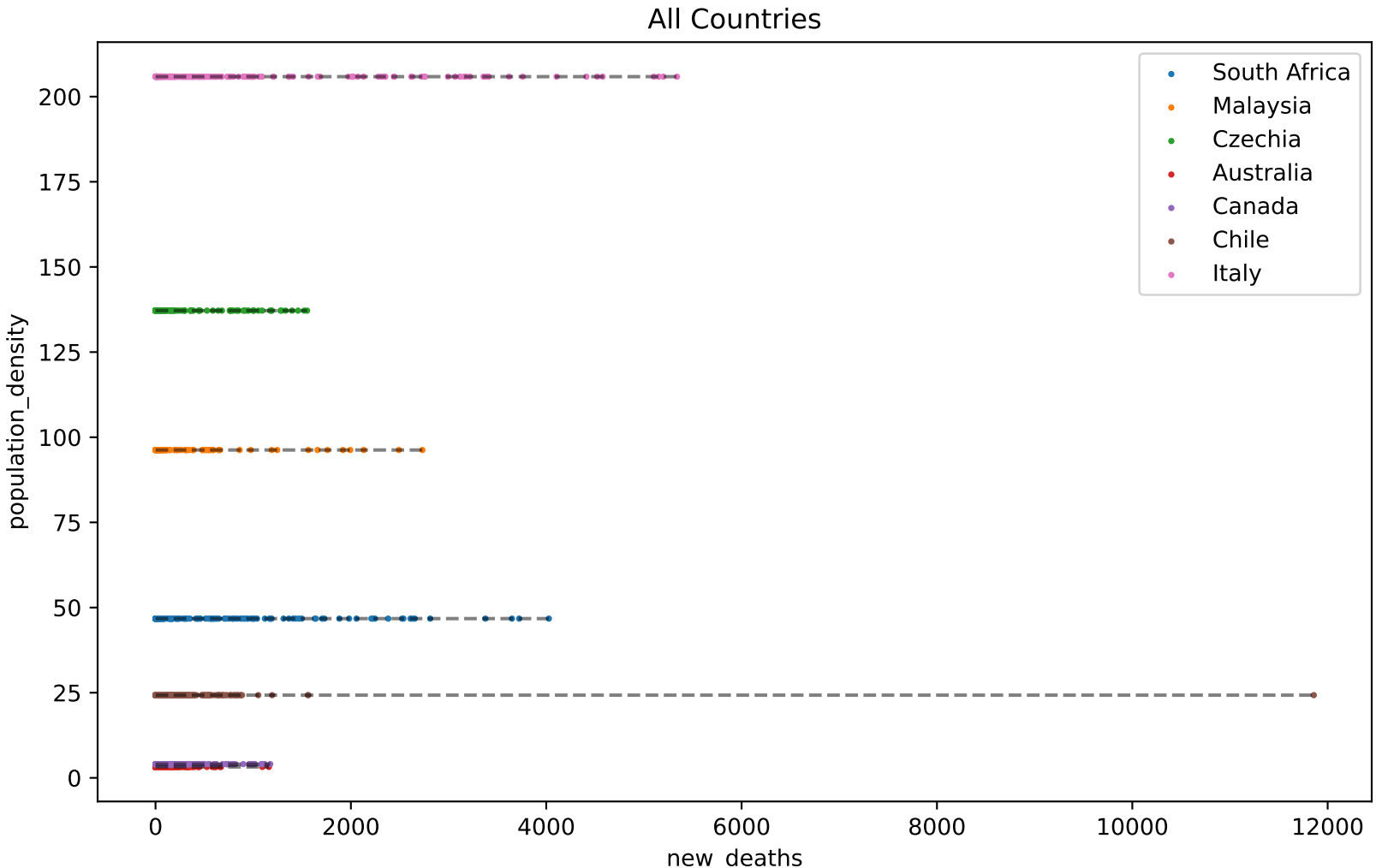

Czechia
Data
Linear Fit
population_density
new_deaths
144
142
140
138
136
134
132
130
0
200
400
600
800
1000
1200
1400
1600

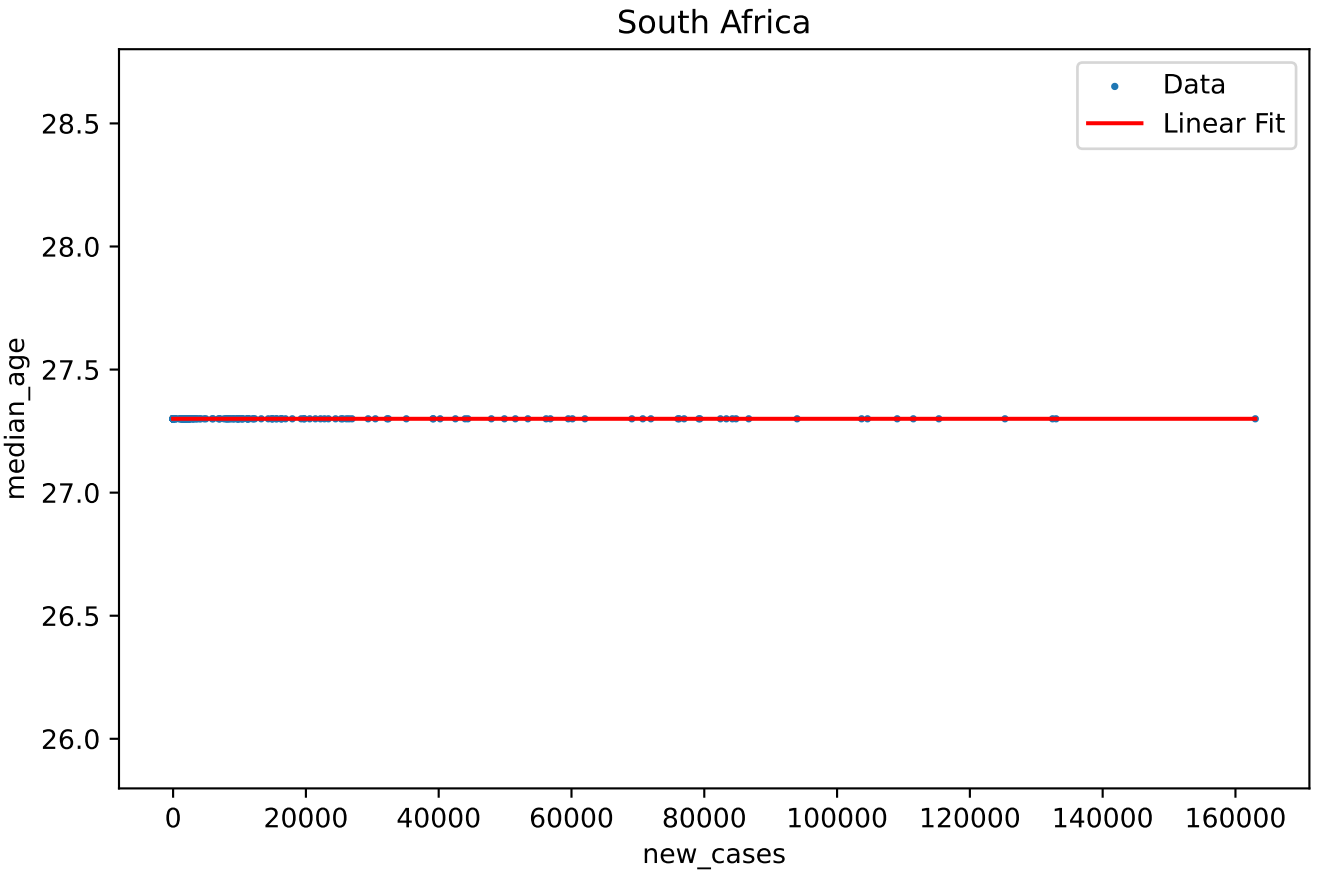

Australia
Data
Linear Fit
population_density
3.35
3.30
3.25
3.20
3.15
3.10
3.05
0
200
400
600
800
1000
1200
new_deaths

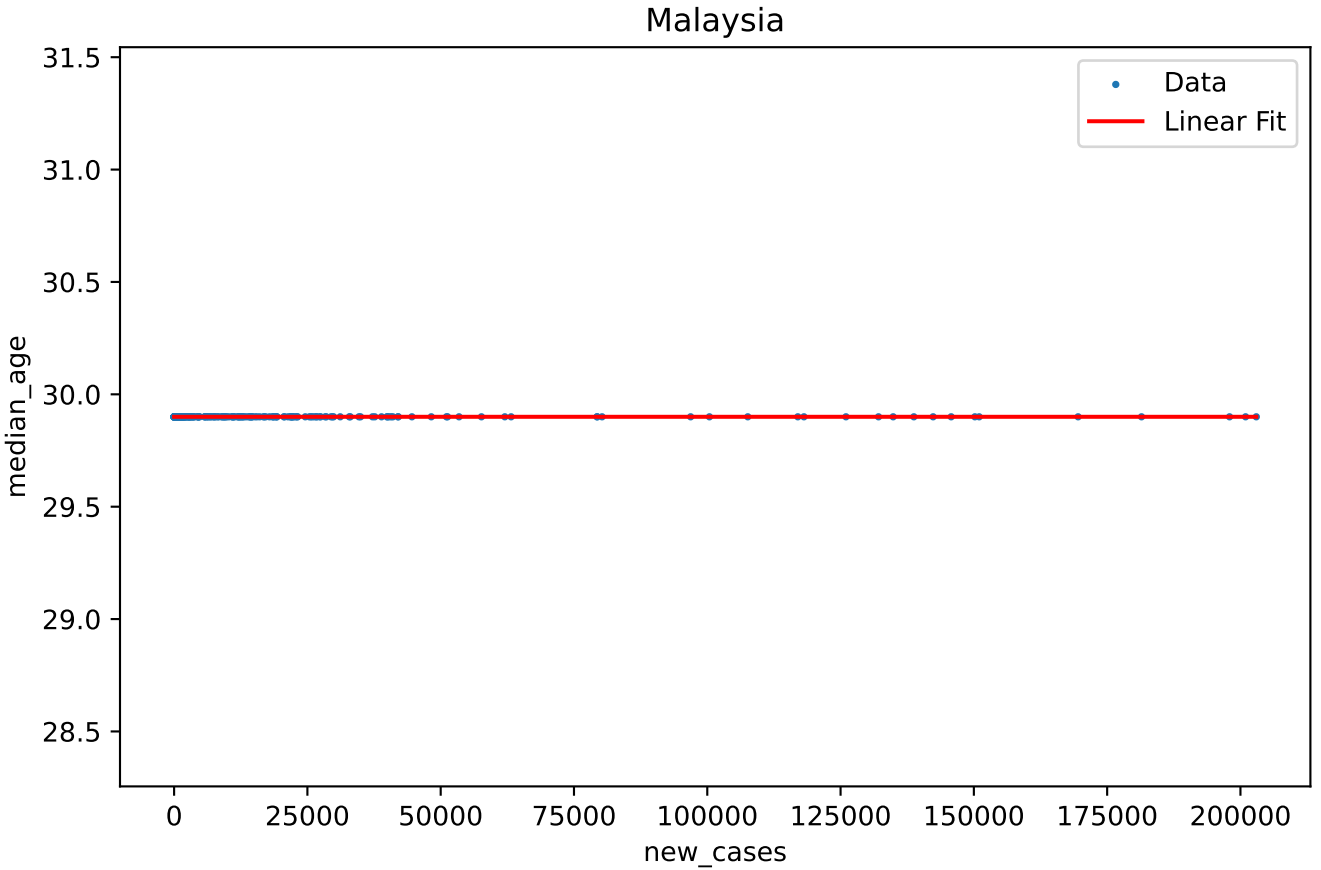

Canada
1e−12+4.037
Data
Linear Fit
population_density
new_deaths
4
3
2
1
0
−1
−2
−3
−4
0
200
400
600
800
1000
1200

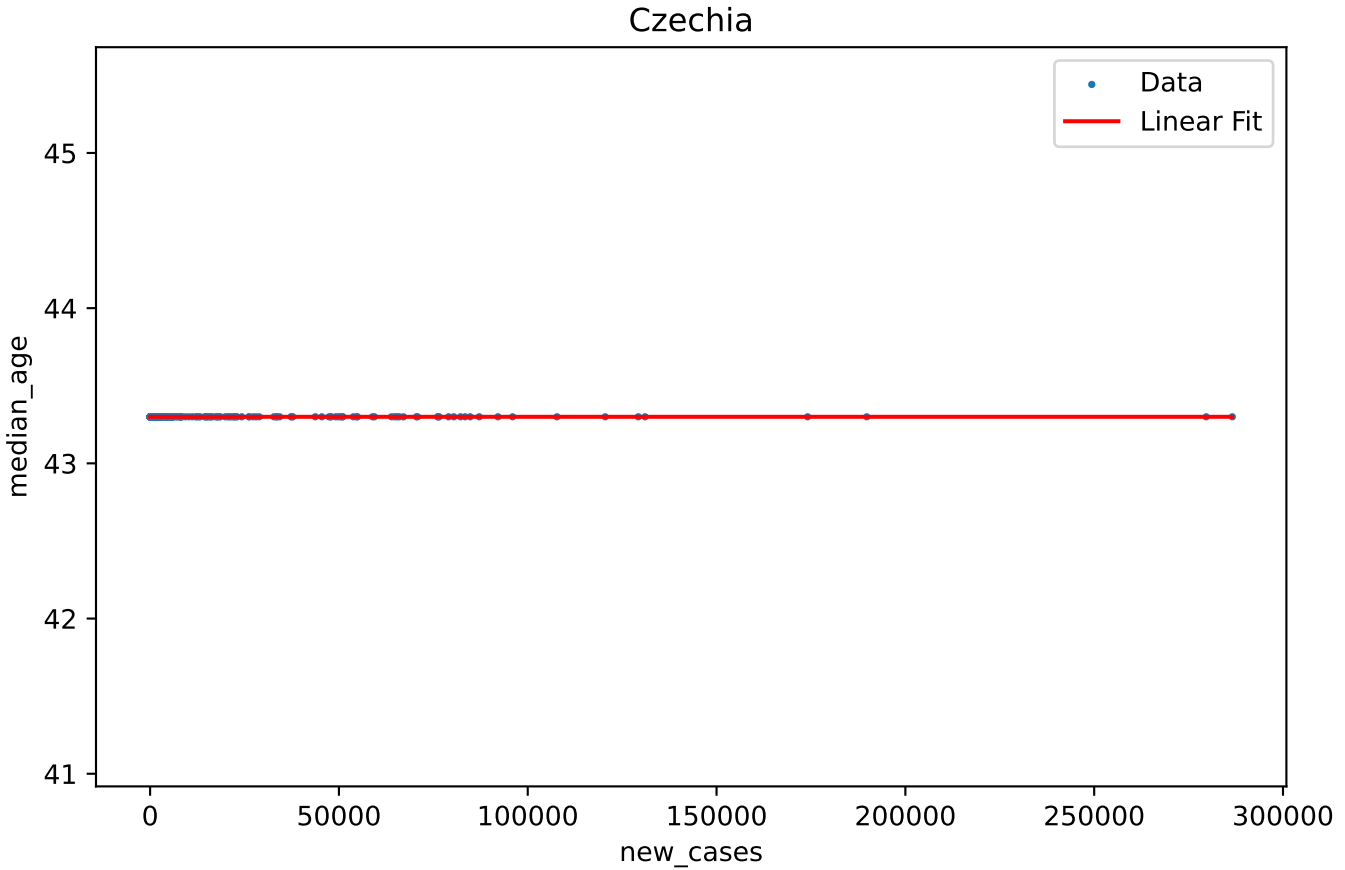

Chile
1e−11+2.4282e1
Data
Linear Fit
population_density
new_deaths
2
1
−0
−1
−2
0
2000
4000
6000
8000
10000
12000

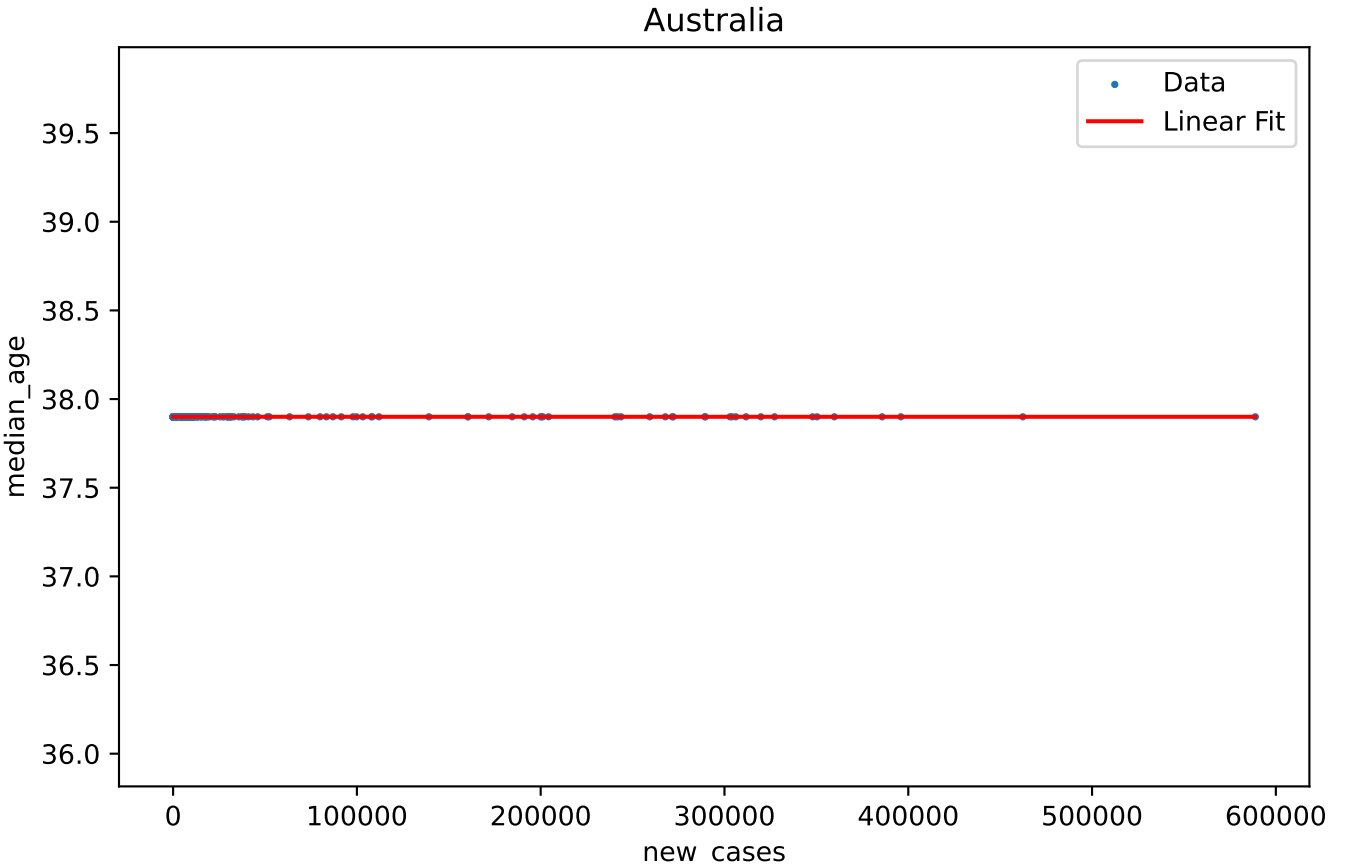

Italy
Data
Linear Fit
215
210
205
200
195
population_density
0
1000
2000
3000
4000
5000
new_deaths

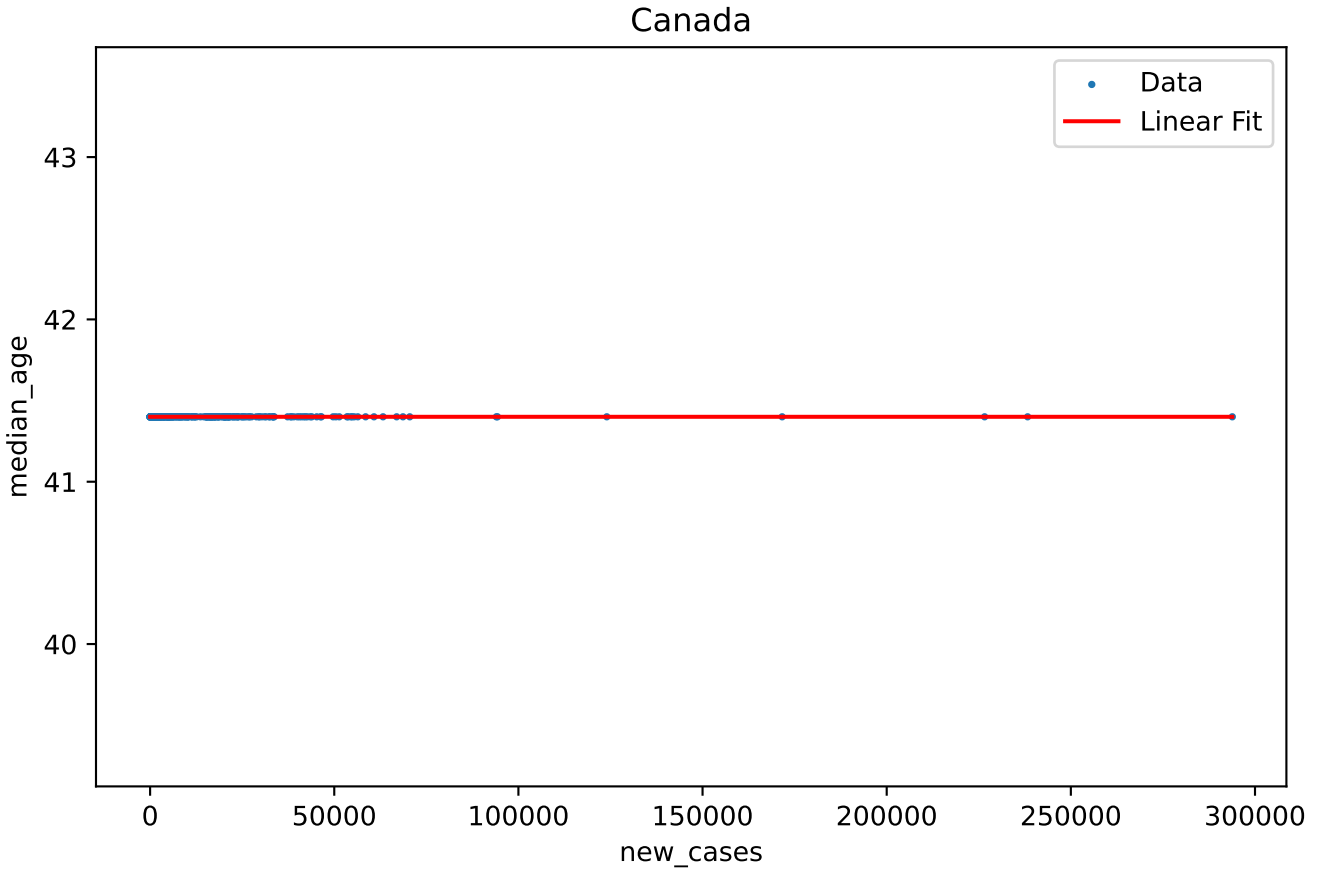

All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
population_density
0
25
50
75
100
125
150
175
200
new_deaths
0
2000
4000
6000
8000
10000
12000

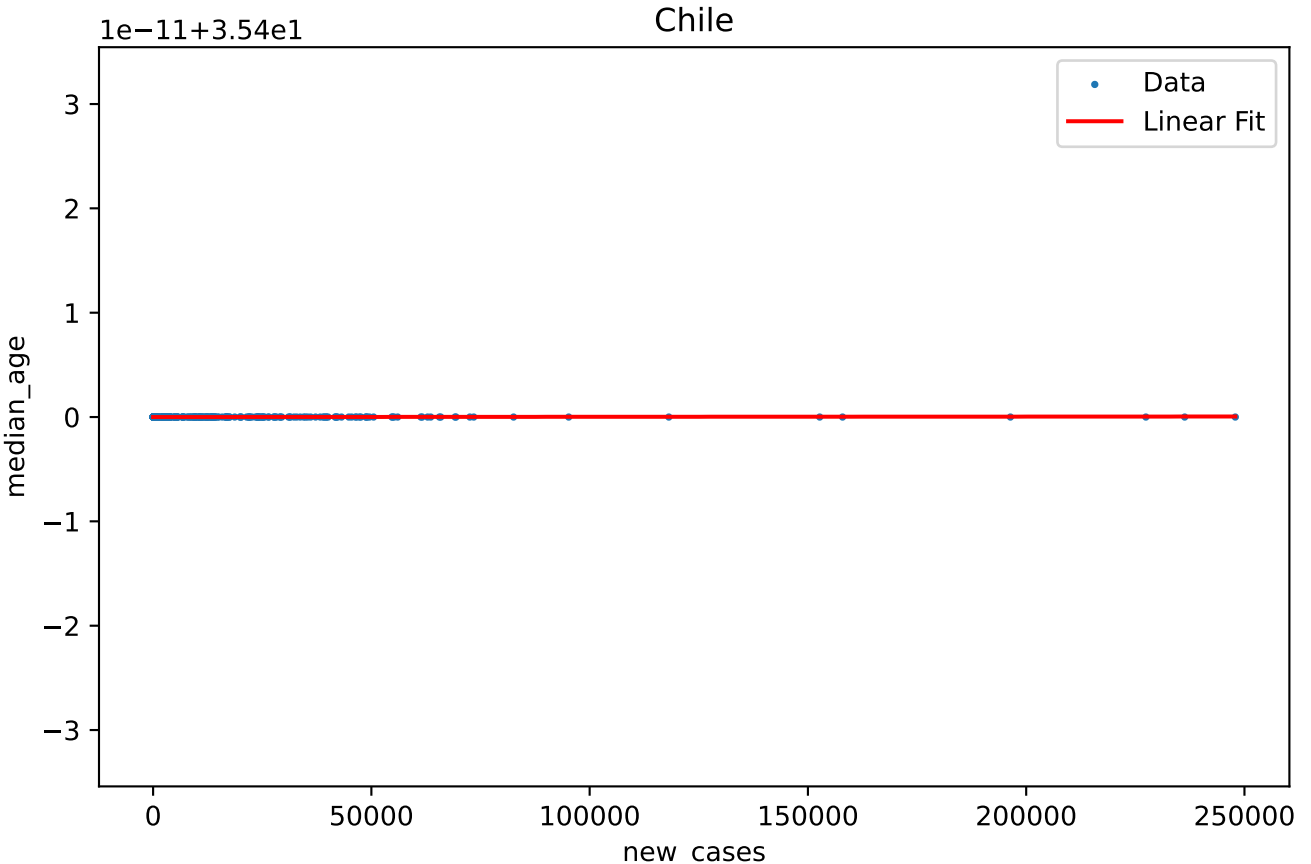

South Africa
Data
Linear Fit
28.5
28.0
27.5
27.0
26.5
26.0
median_age
0
20000
40000
60000
80000
100000
120000
140000
160000
new_cases

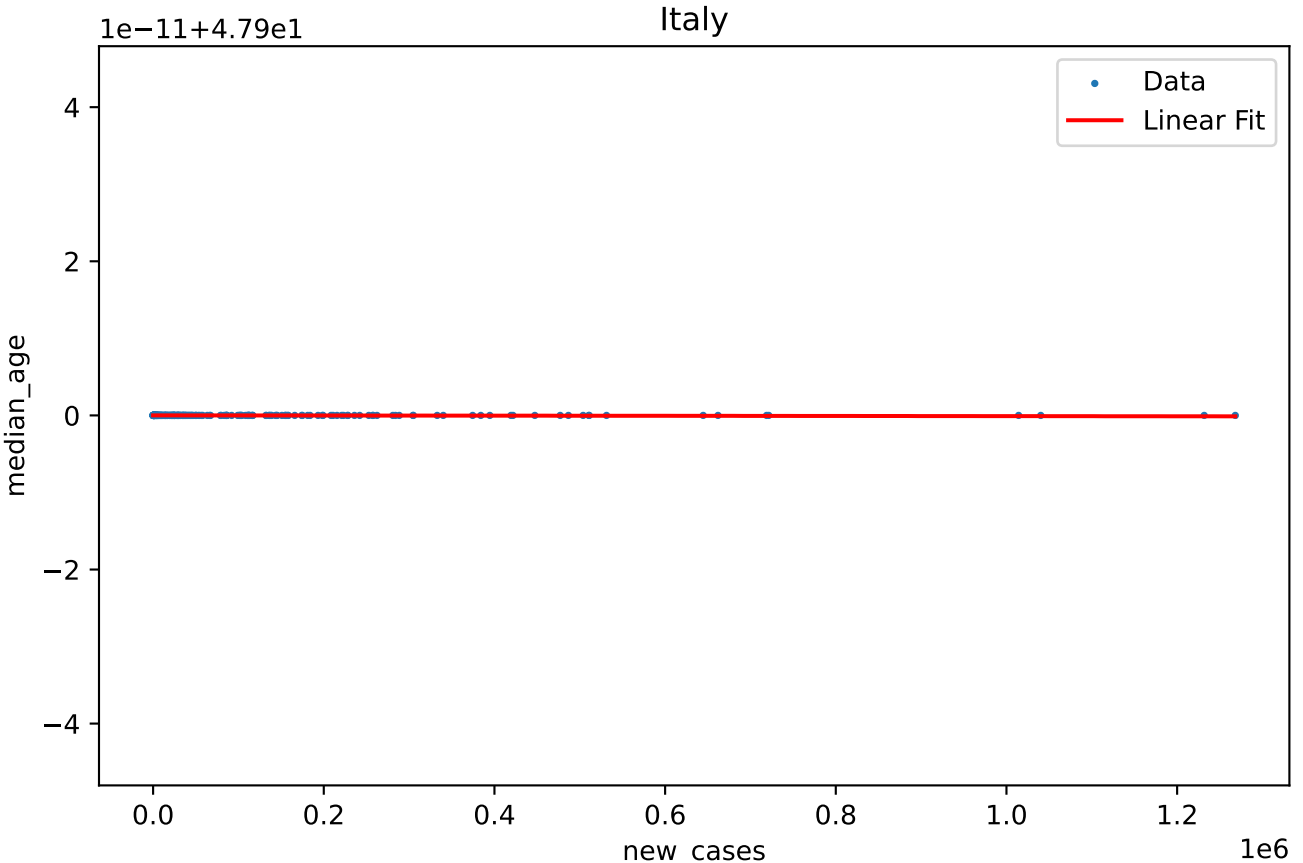

Malaysia
Data
Linear Fit
median_age
31.5
31.0
30.5
30.0
29.5
29.0
28.5
0
25000
50000
75000
100000
125000
150000
175000
200000
new_cases

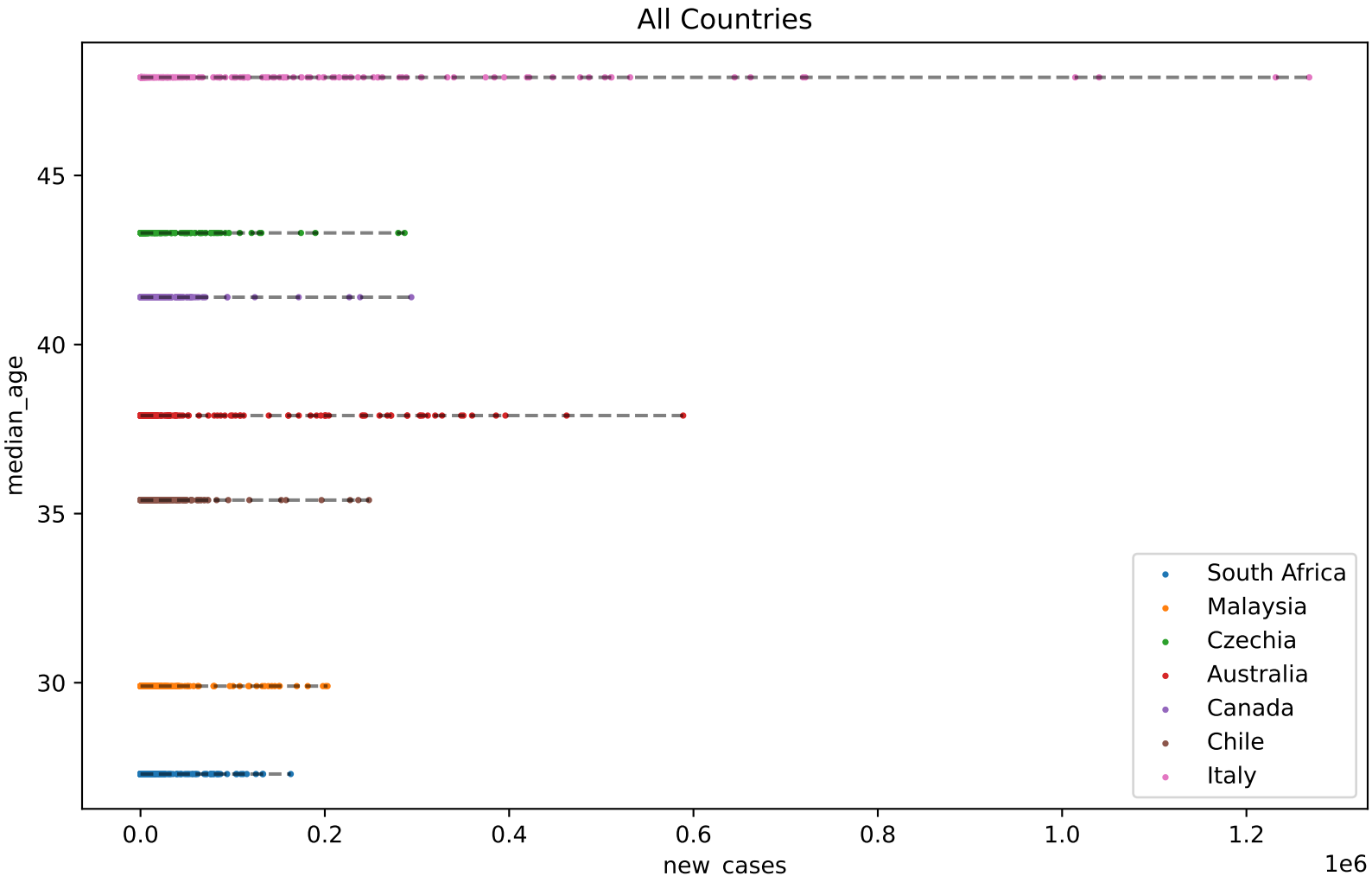

Czechia
Data
Linear Fit
median_age
45
44
43
42
41
0
50000
100000
150000
200000
250000
300000
new_cases

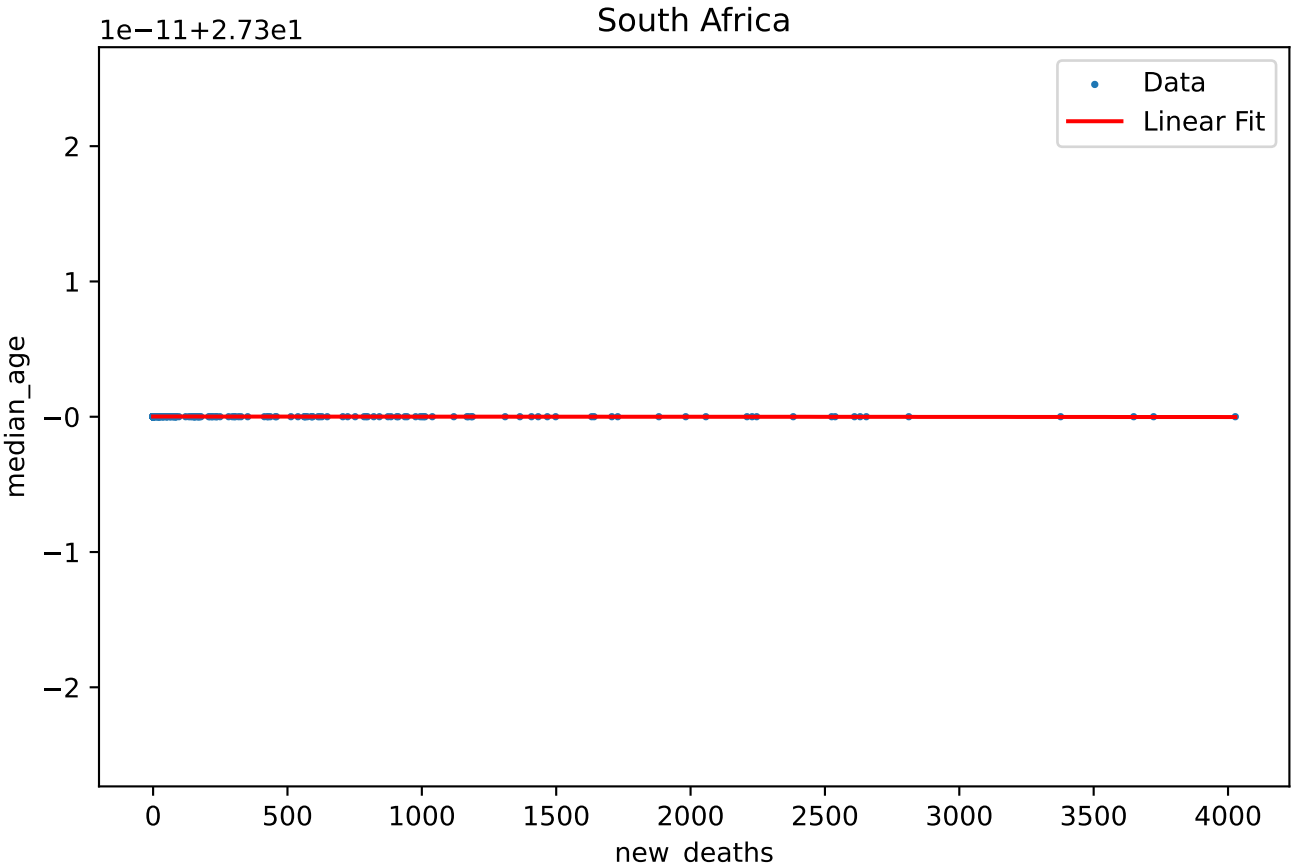

Australia
Data
Linear Fit
39.5
39.0
38.5
38.0
37.5
37.0
36.5
36.0
median_age
0
100000
200000
300000
400000
500000
600000
new_cases

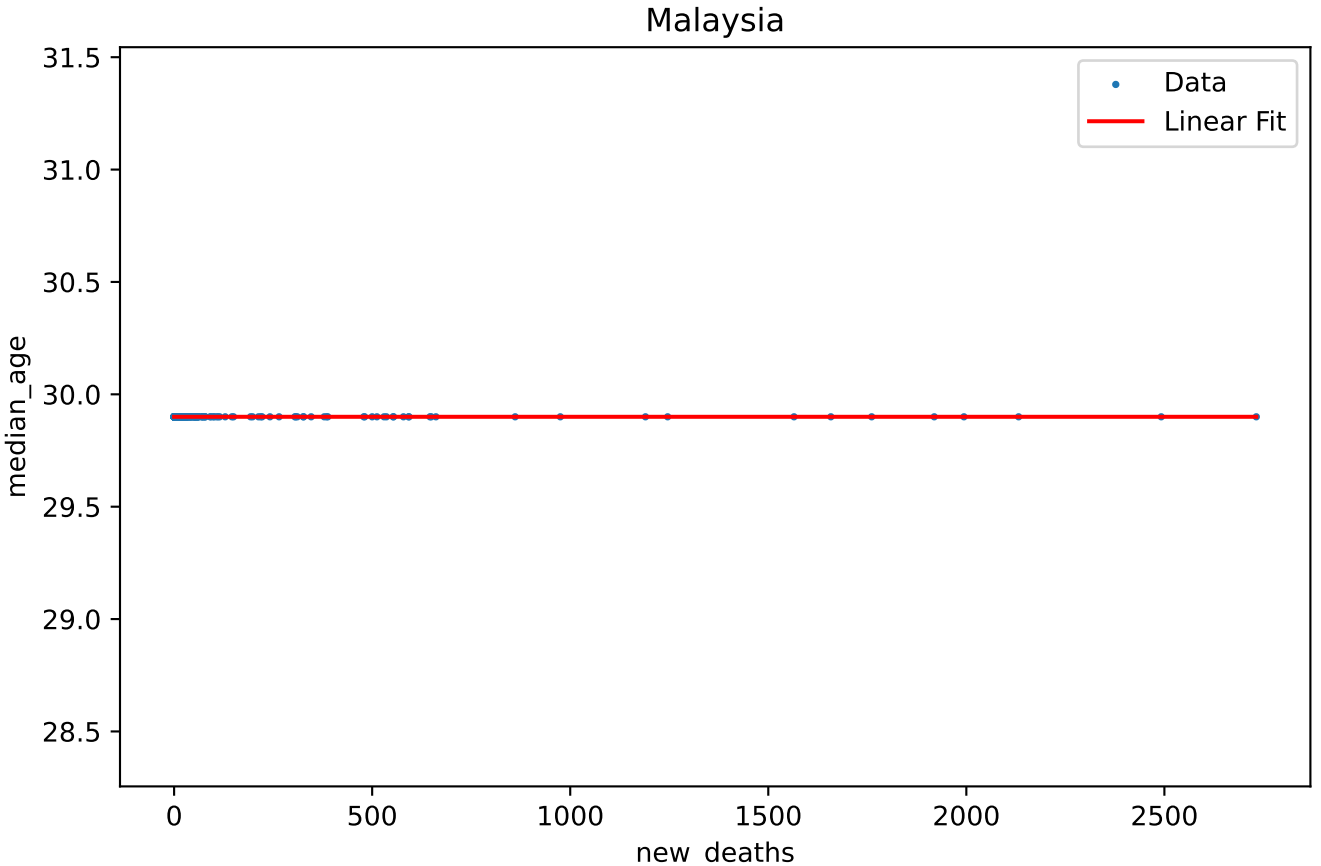

Canada
Data
Linear Fit
43
42
41
40
median_age
0
50000
100000
150000
200000
250000
300000
new_cases

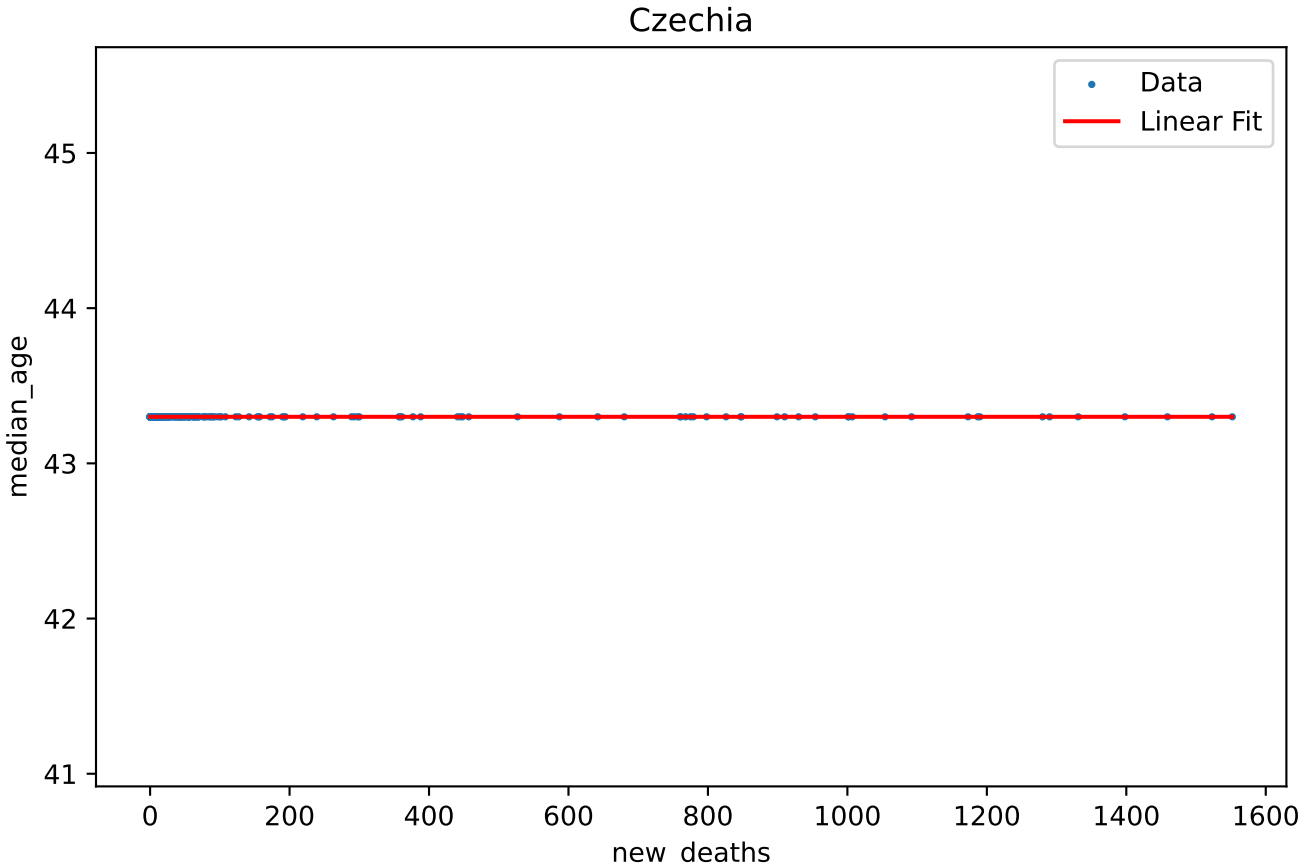

Chile
1e−11+3.54e1
Data
Linear Fit
median_age
new_cases
3
2
1
0
−1
−2
−3
0
50000
100000
150000
200000
250000

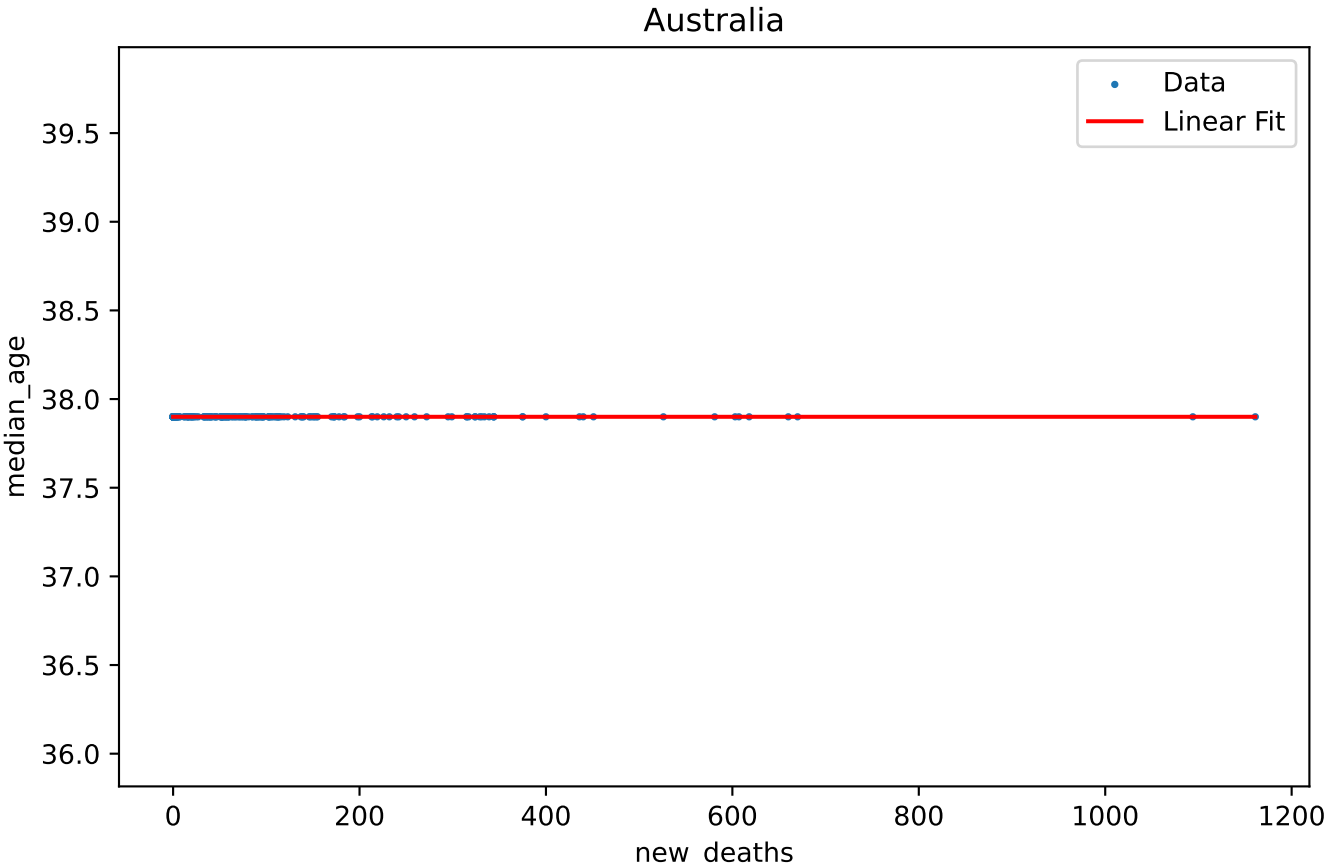

Italy
1e−11+4.79e1
Data
Linear Fit
4
2
0
−2
−4
median_age
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

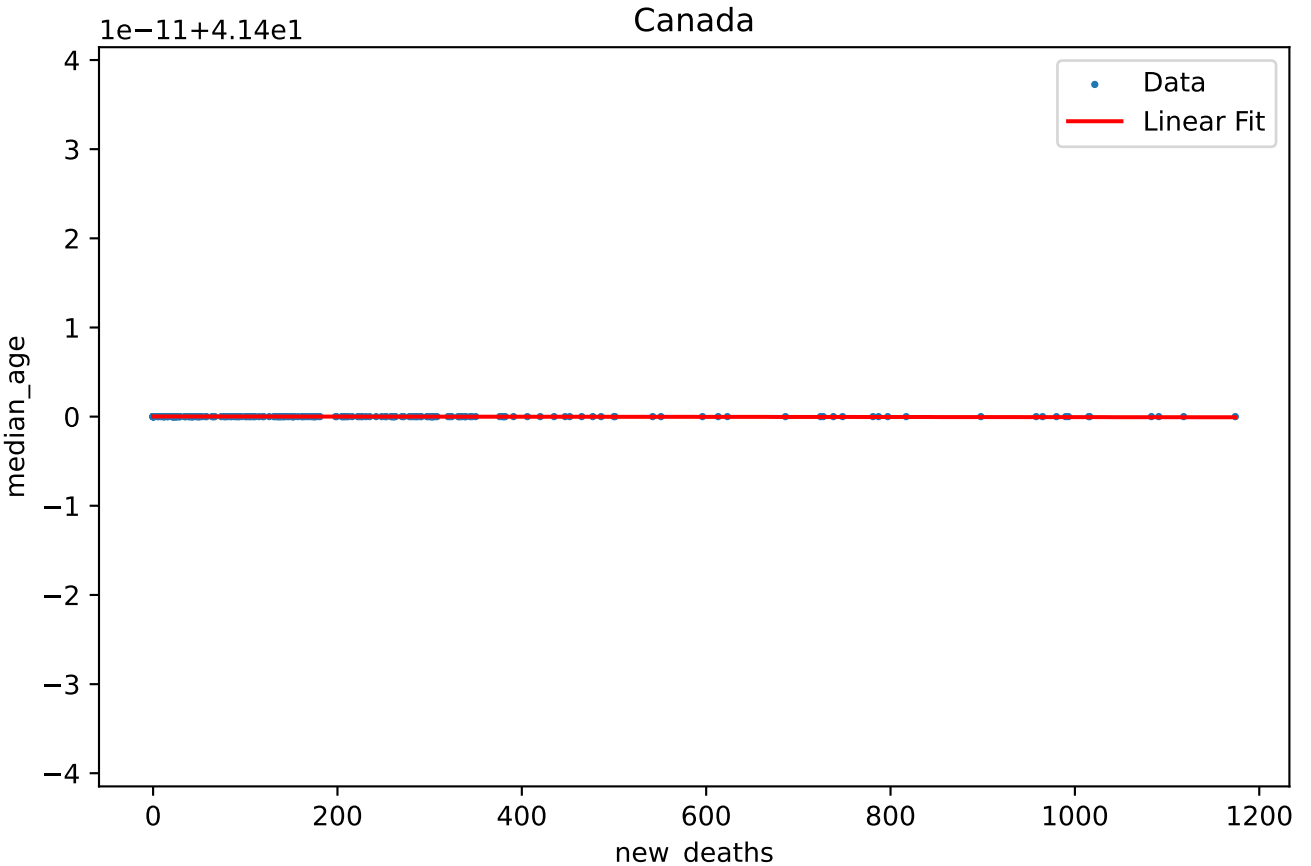

All Countries
median_age
45
40
35
30
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

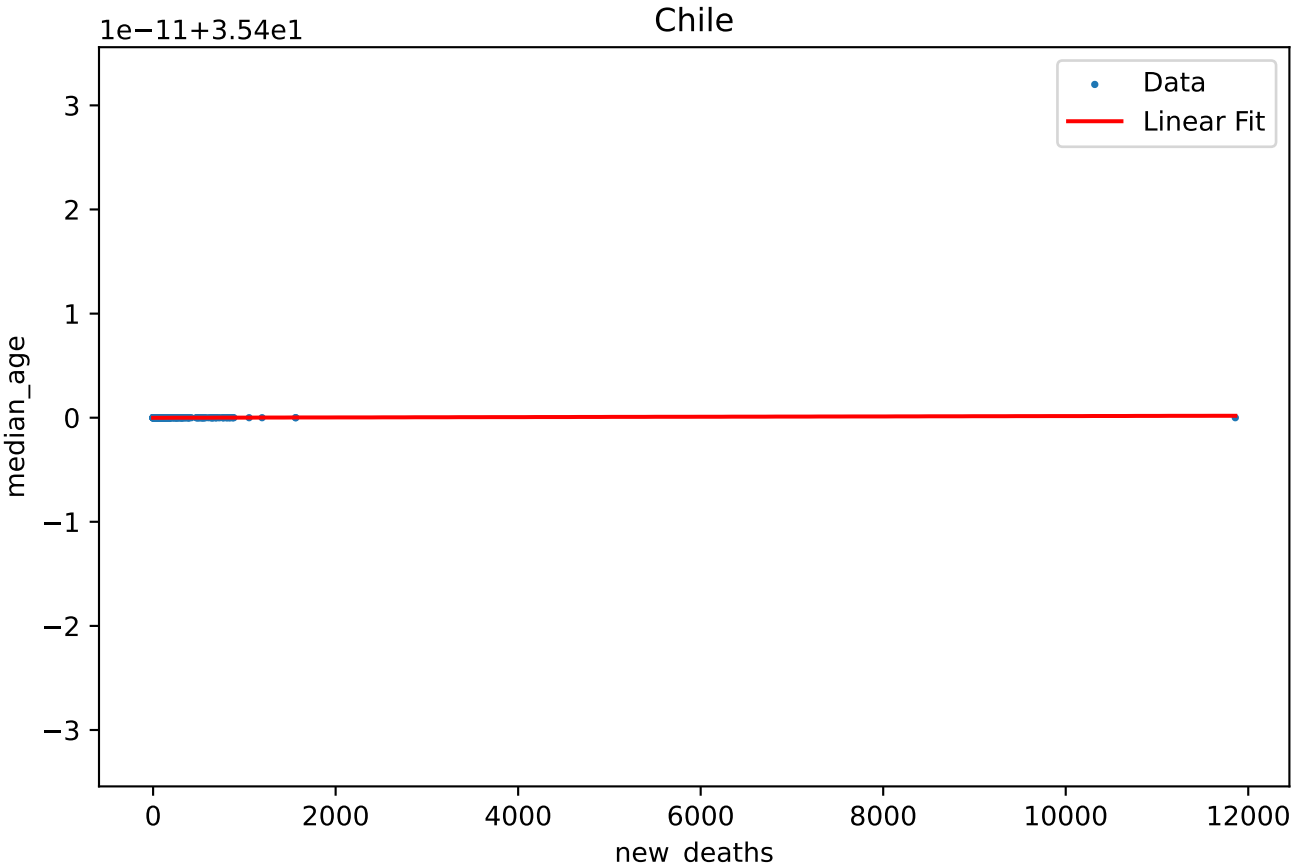

South Africa
1e−11+2.73e1
Data
Linear Fit
median_age
new_deaths
2
1
0
−1
−2
0
500
1000
1500
2000
2500
3000
3500
4000

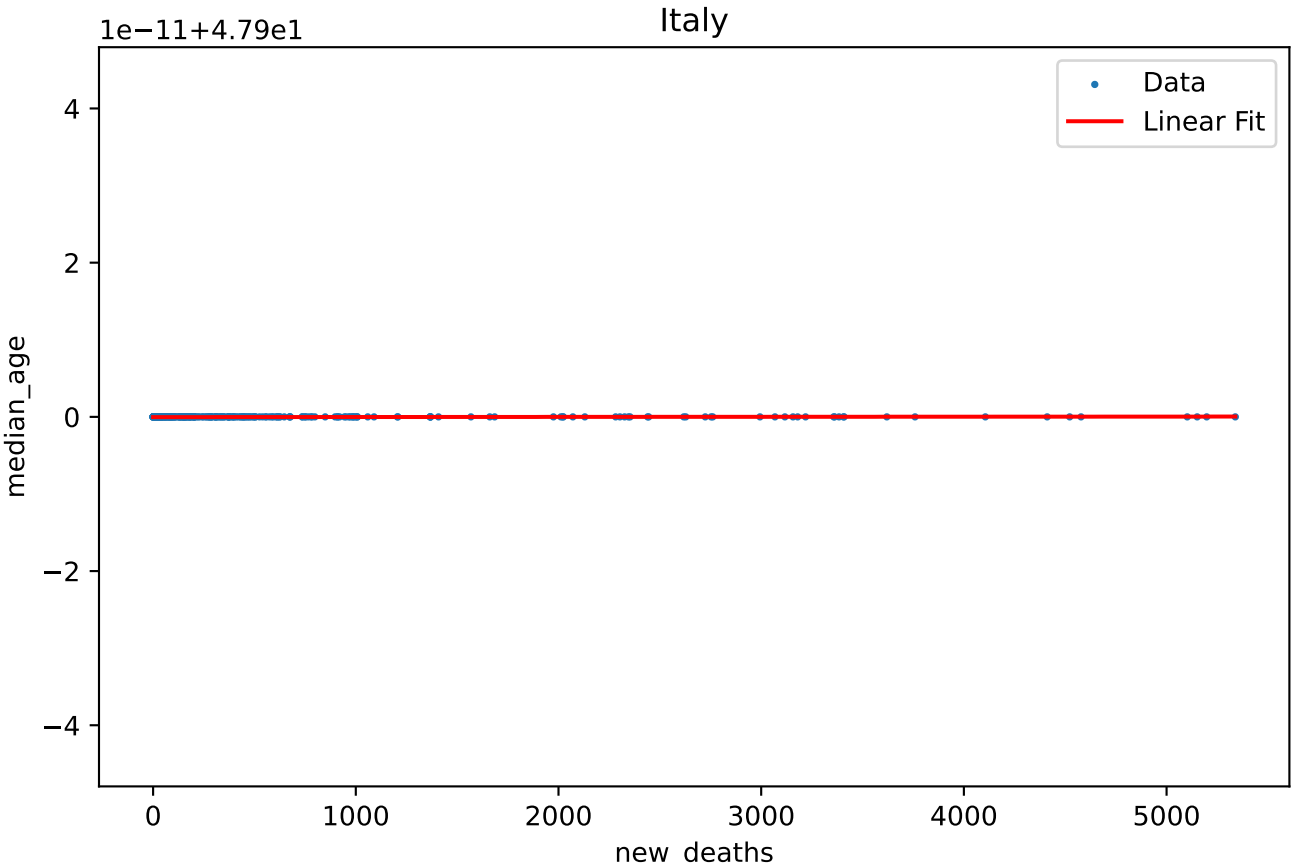

Malaysia
Data
Linear Fit
31.5
31.0
30.5
30.0
29.5
29.0
28.5
median_age
0
500
1000
1500
2000
2500
new_deaths

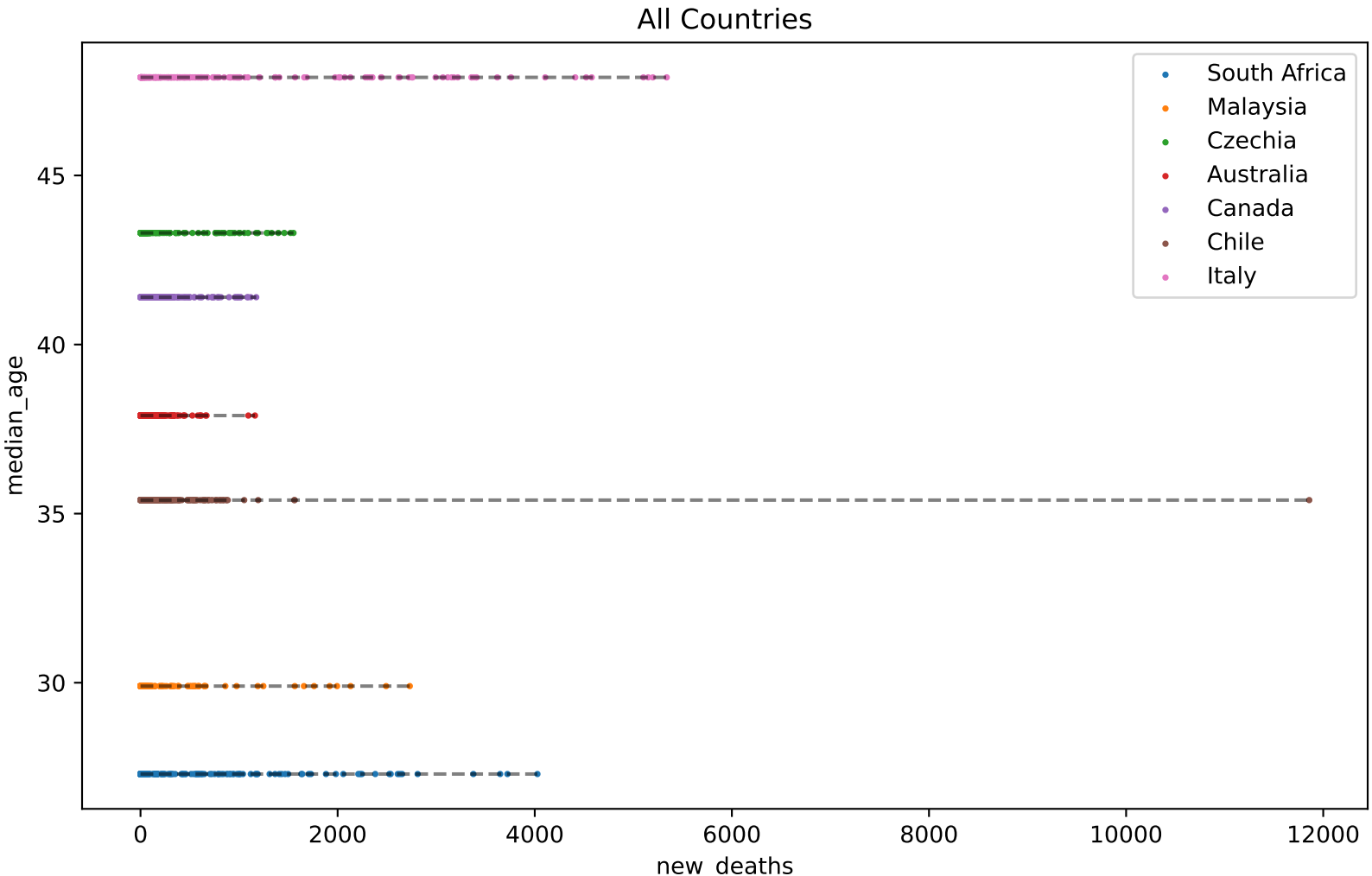

Czechia
Data
Linear Fit
median_age
45
44
43
42
41
0
200
400
600
800
1000
1200
1400
1600
new_deaths

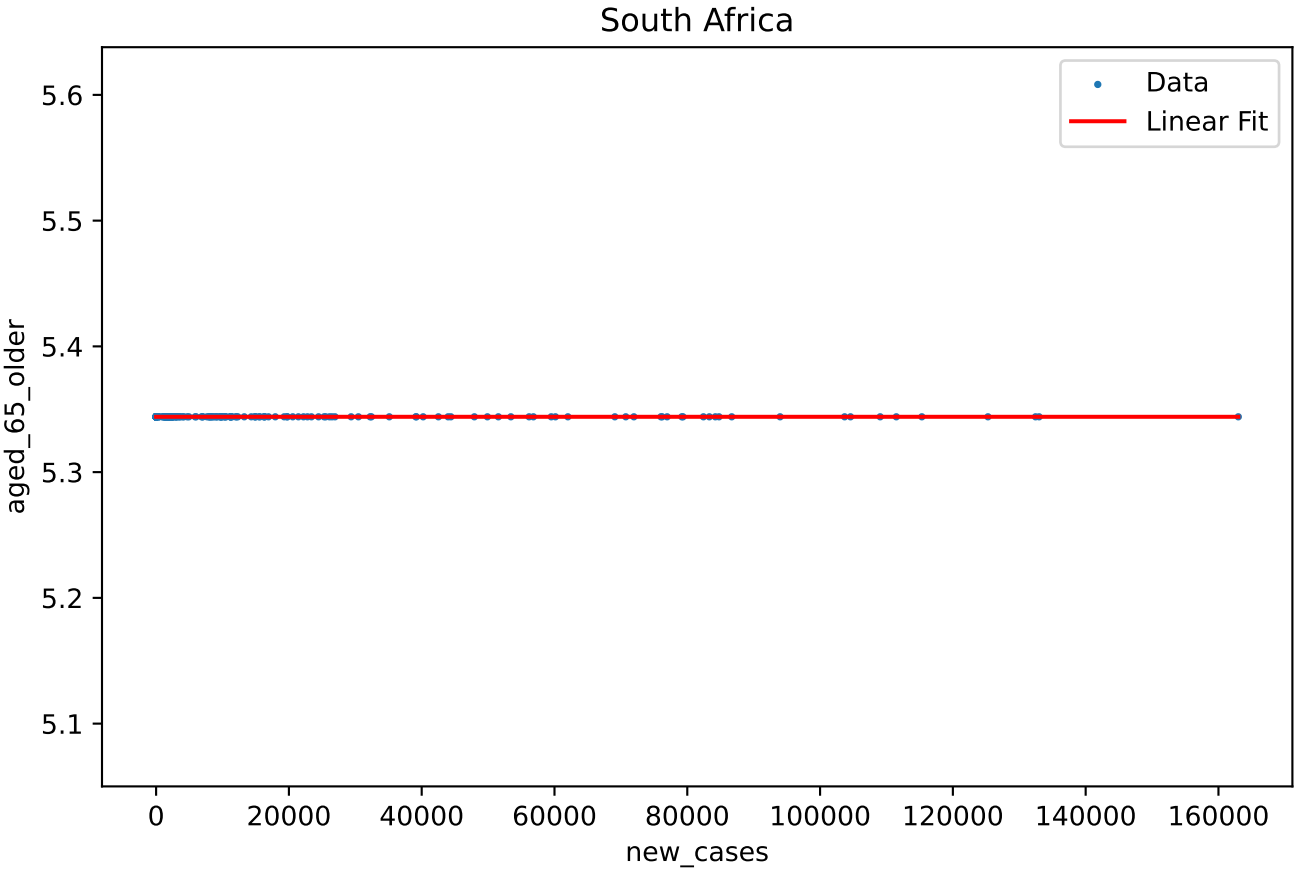

Australia
Data
Linear Fit
median_age
39.5
39.0
38.5
38.0
37.5
37.0
36.5
36.0
0
200
400
600
800
1000
1200
new_deaths

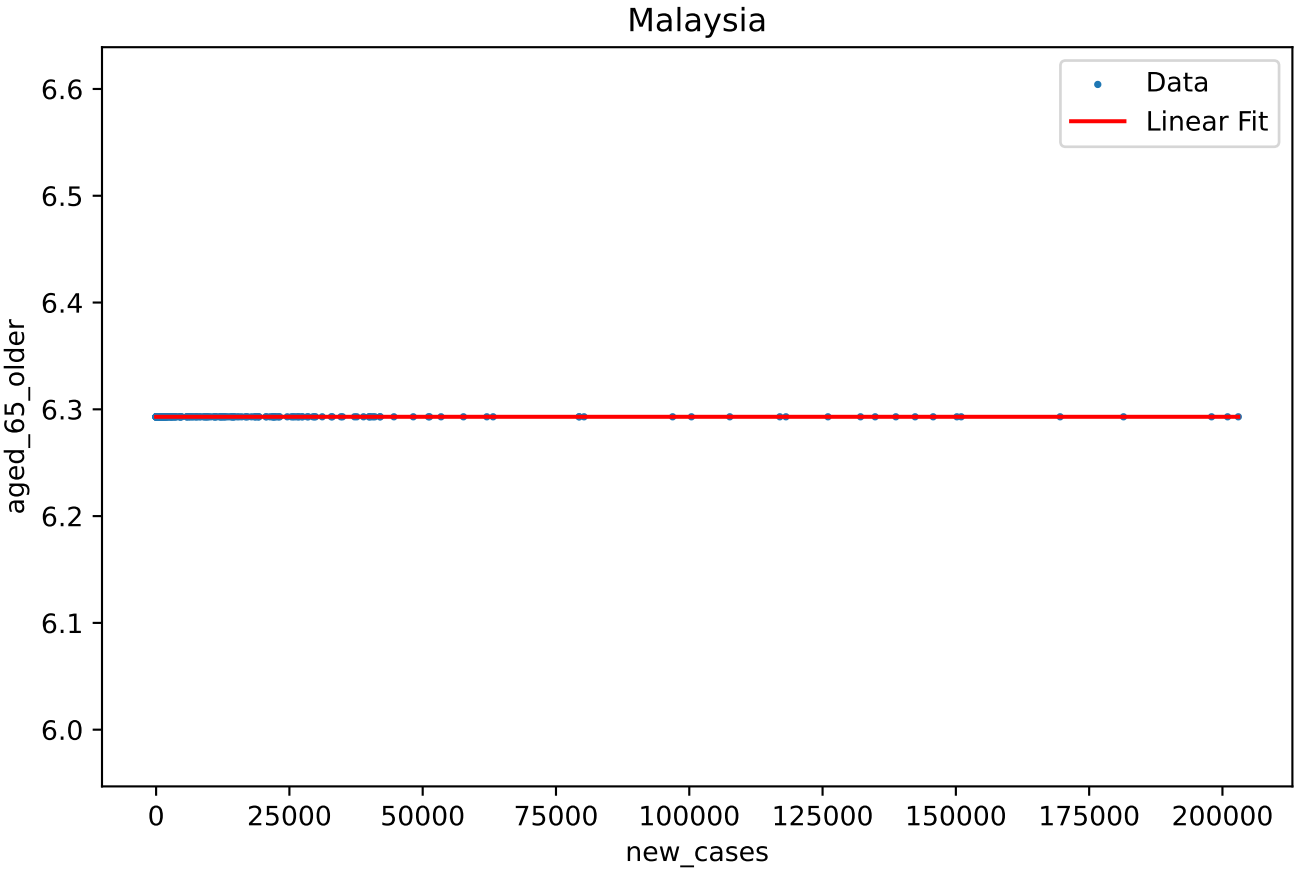

Canada
1e−11+4.14e1
median_age
new_deaths
Data
Linear Fit
4
3
2
1
0
−1
−2
−3
−4
0
200
400
600
800
1000
1200

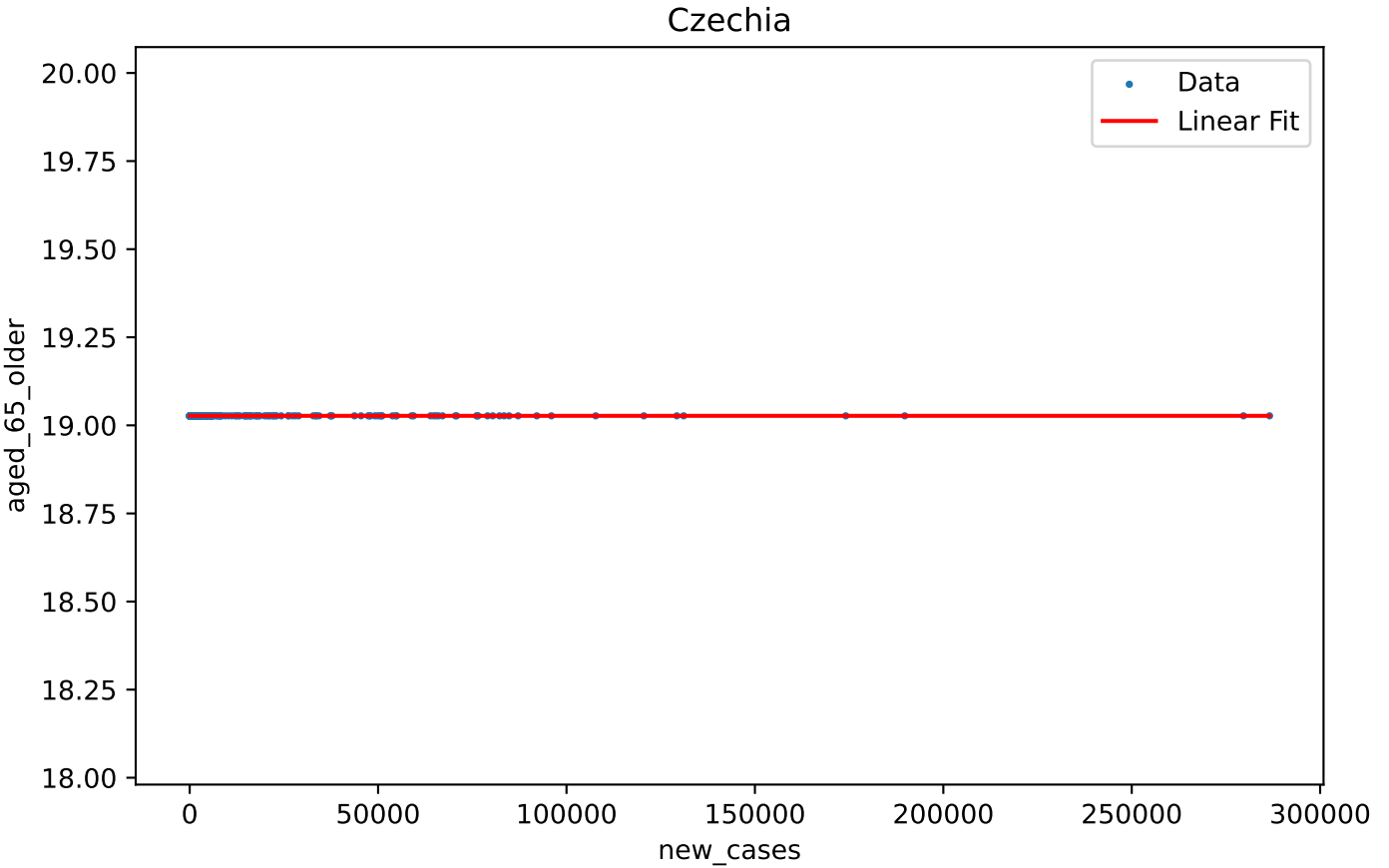

Chile
1e−11+3.54e1
Data
Linear Fit
median_age
new_deaths
3
2
1
0
−1
−2
−3
0
2000
4000
6000
8000
10000
12000

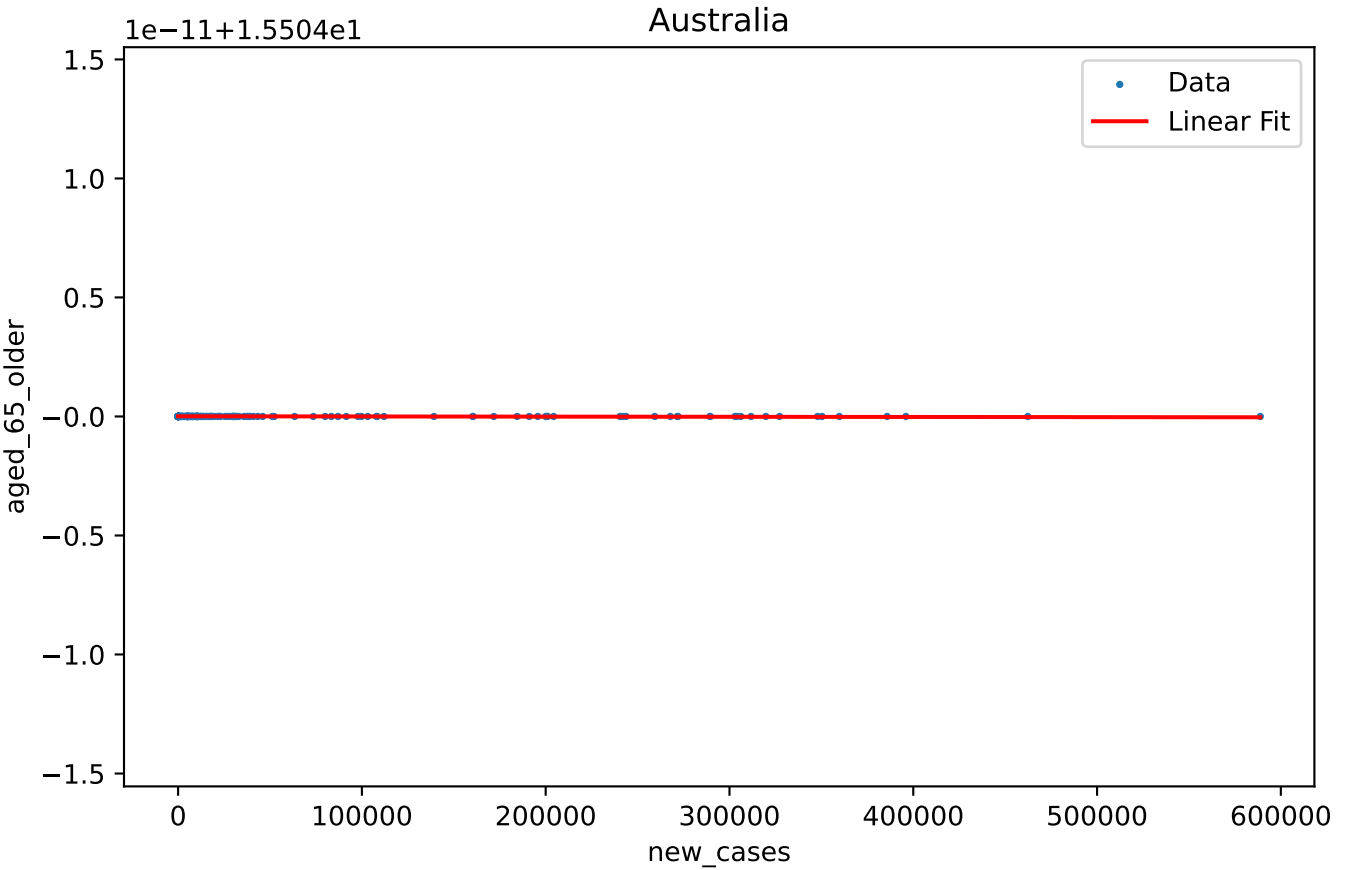

Italy
1e−11+4.79e1
Data
Linear Fit
median_age
new_deaths
4
2
0
−2
−4
0
1000
2000
3000
4000
5000

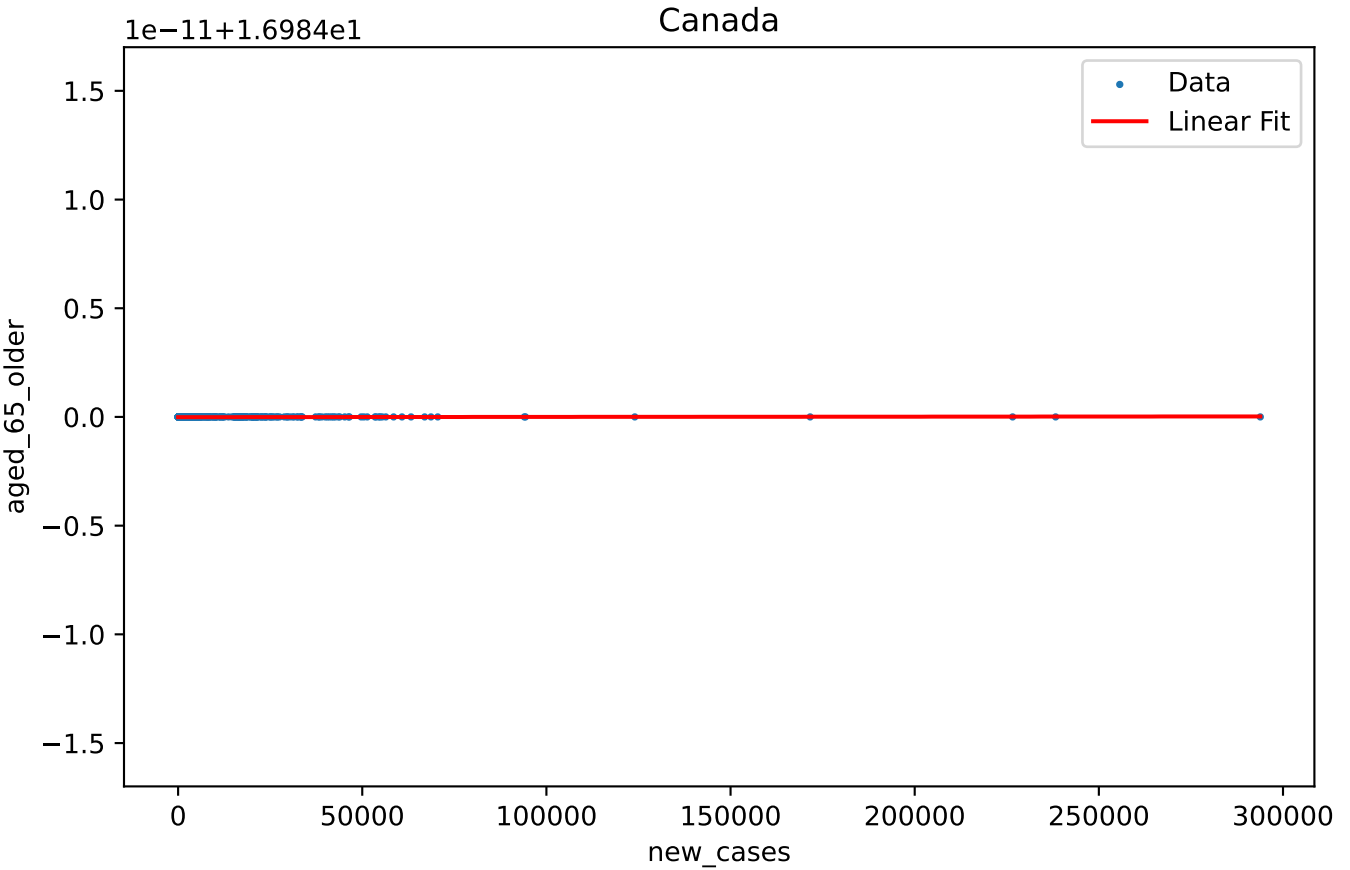

All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
median_age
45
40
35
30
0
2000
4000
6000
8000
10000
12000
new_deaths

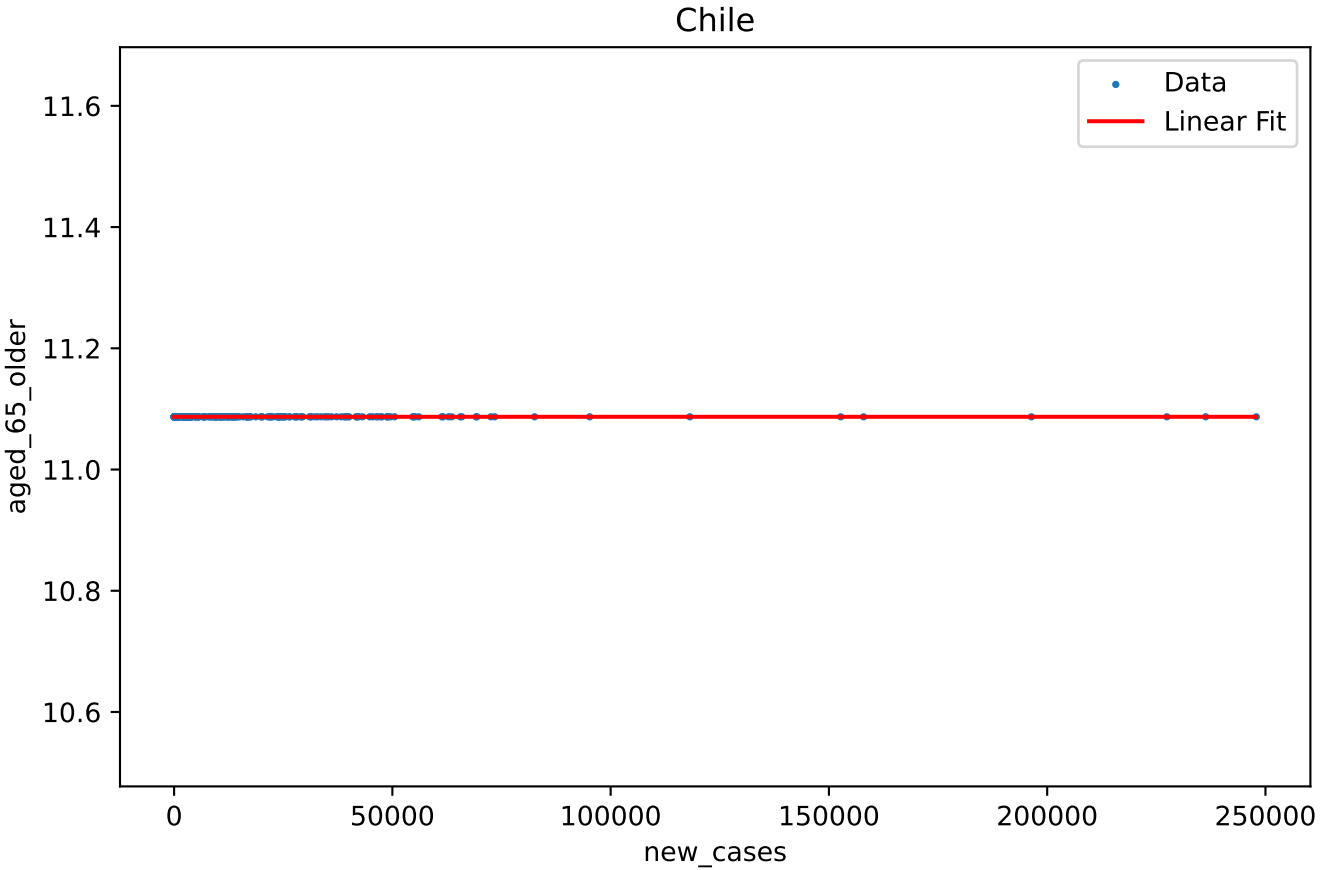

South Africa
Data
Linear Fit
aged_65_older
5.6
5.5
5.4
5.3
5.2
5.1
0
20000
40000
60000
80000
100000
120000
140000
160000
new_cases

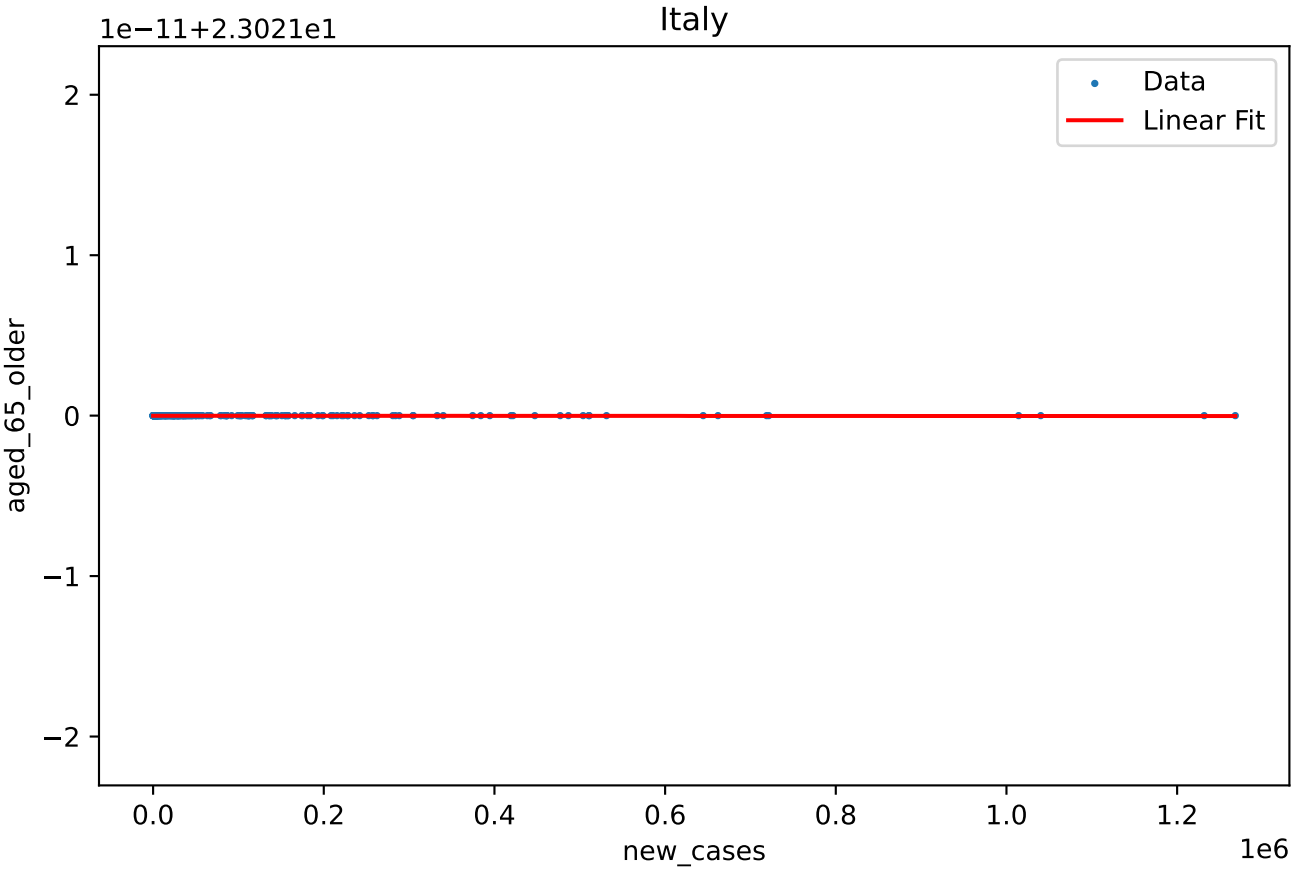

Malaysia
Data
Linear Fit
aged_65_older
6.6
6.5
6.4
6.3
6.2
6.1
6.0
0
25000
50000
75000
100000
125000
150000
175000
200000
new_cases

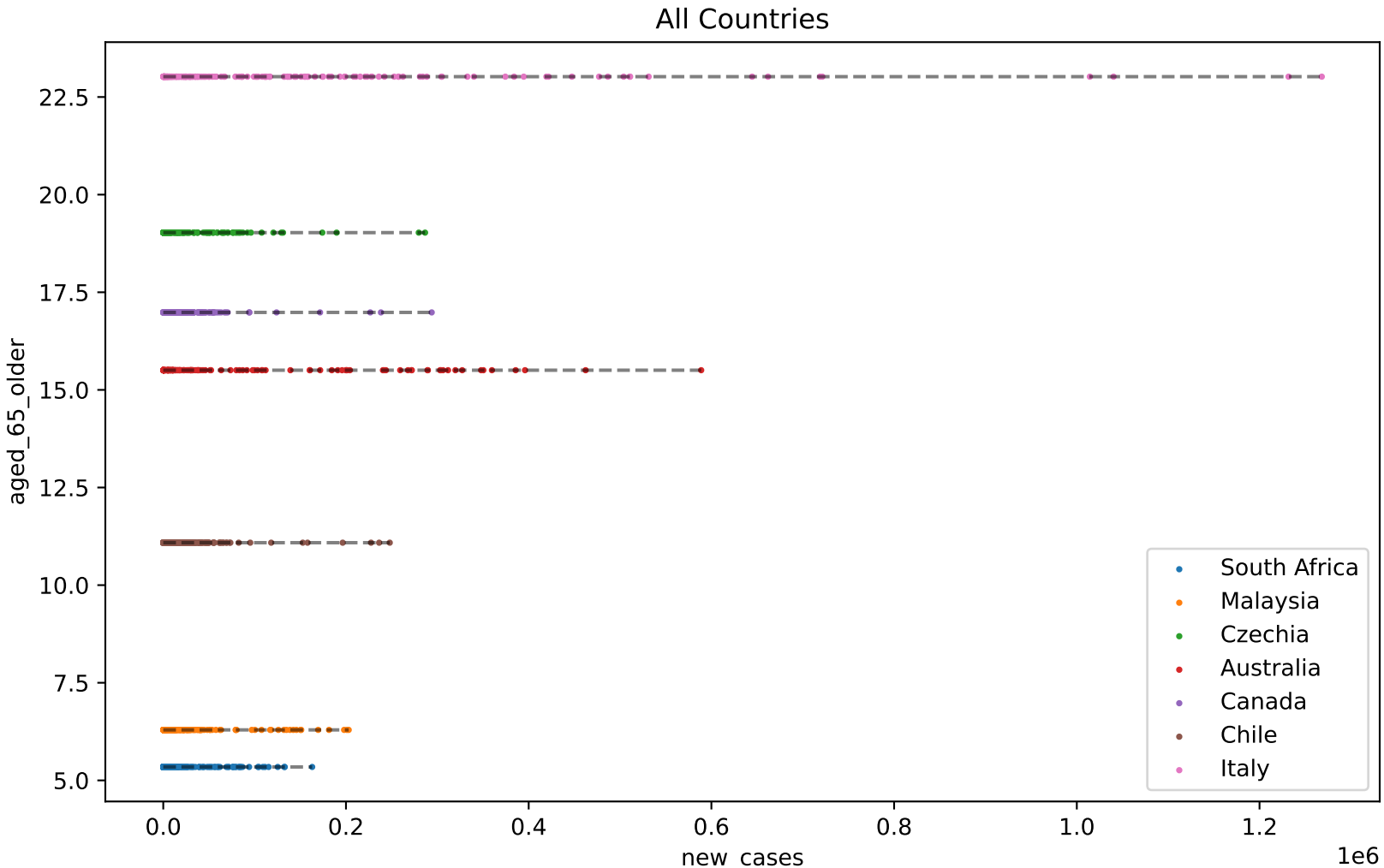

Czechia
Data
Linear Fit
20.00
19.75
19.50
19.25
19.00
18.75
18.50
18.25
18.00
aged_65_older
0
50000
100000
150000
200000
250000
300000
new_cases

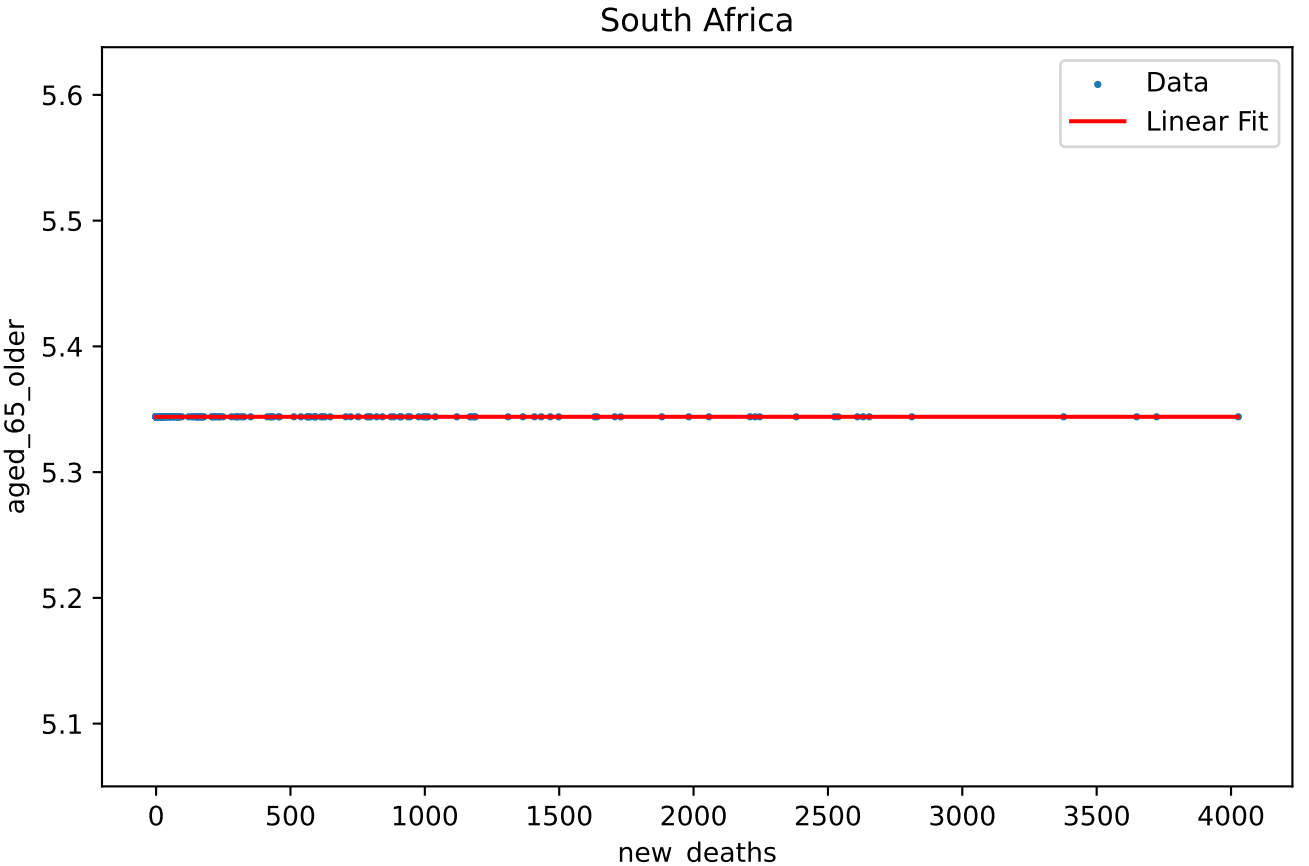

Australia
1e−11+1.5504e1
1.5
1.0
0.5
−0.0
−0.5
−1.0
−1.5
aged_65_older
0
100000
200000
300000
400000
500000
600000
new_cases
Data
Linear Fit

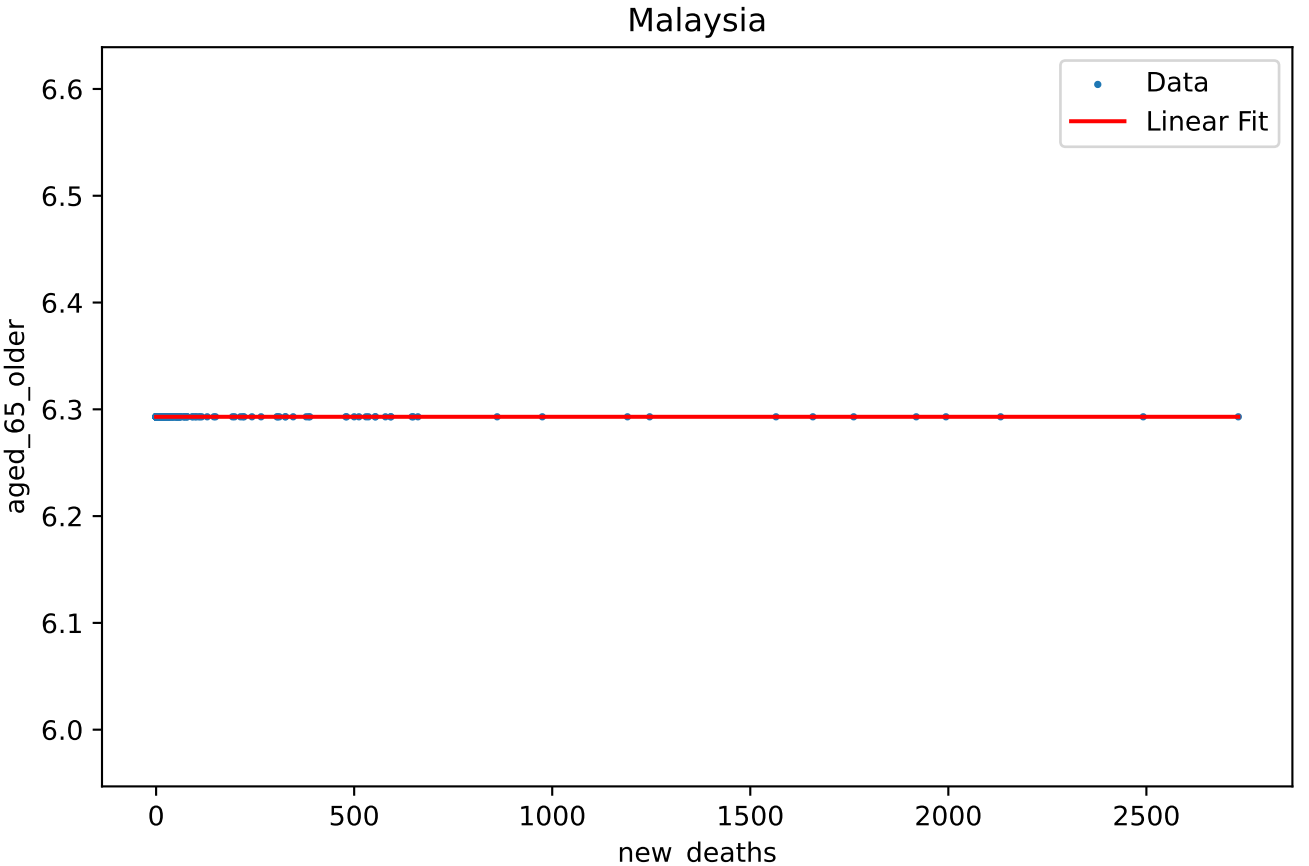

Canada
1e−11+1.6984e1
Data
Linear Fit
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
aged_65_older
0
50000
100000
150000
200000
250000
300000
new_cases

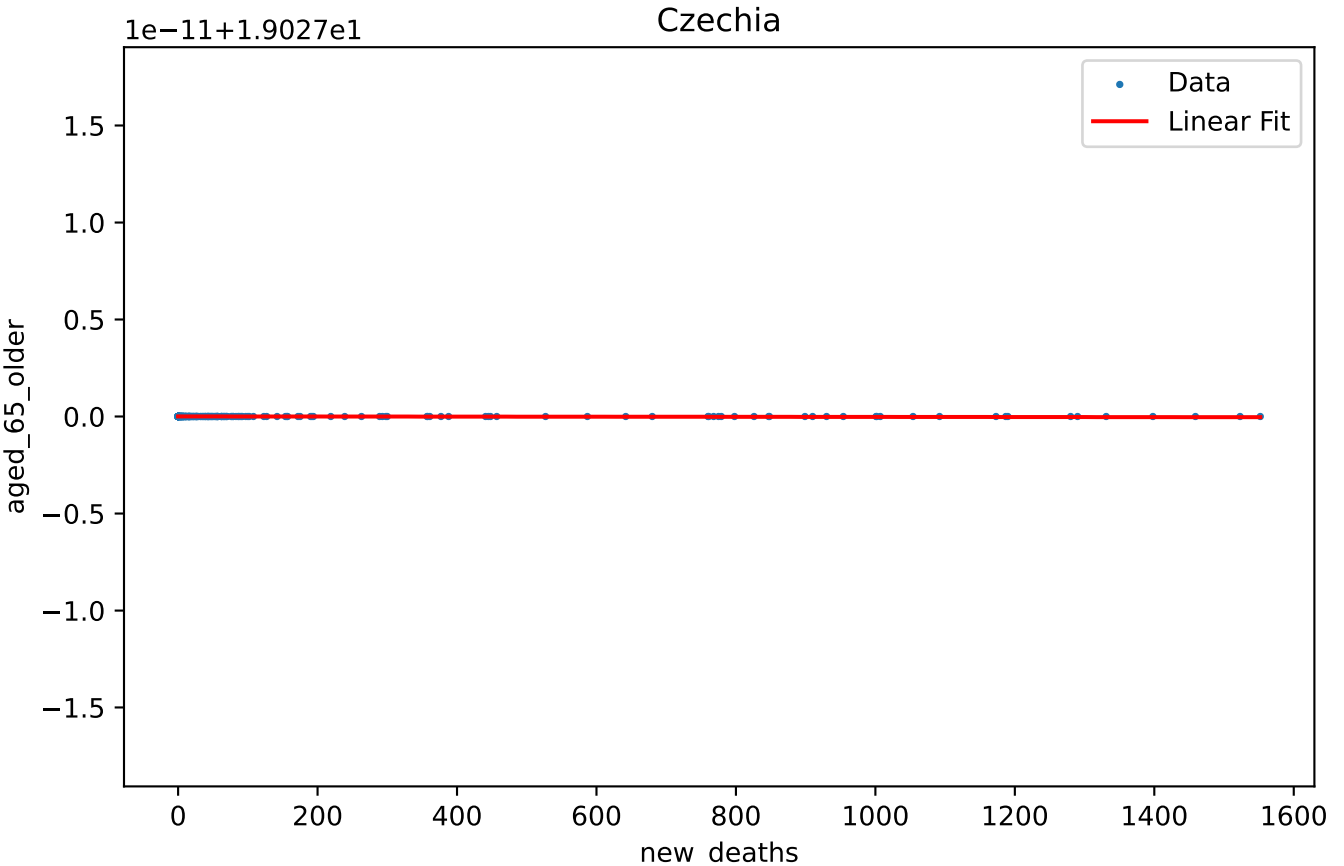

Chile
Data
Linear Fit
11.6
11.4
11.2
11.0
10.8
10.6
aged_65_older
0
50000
100000
150000
200000
250000
new_cases

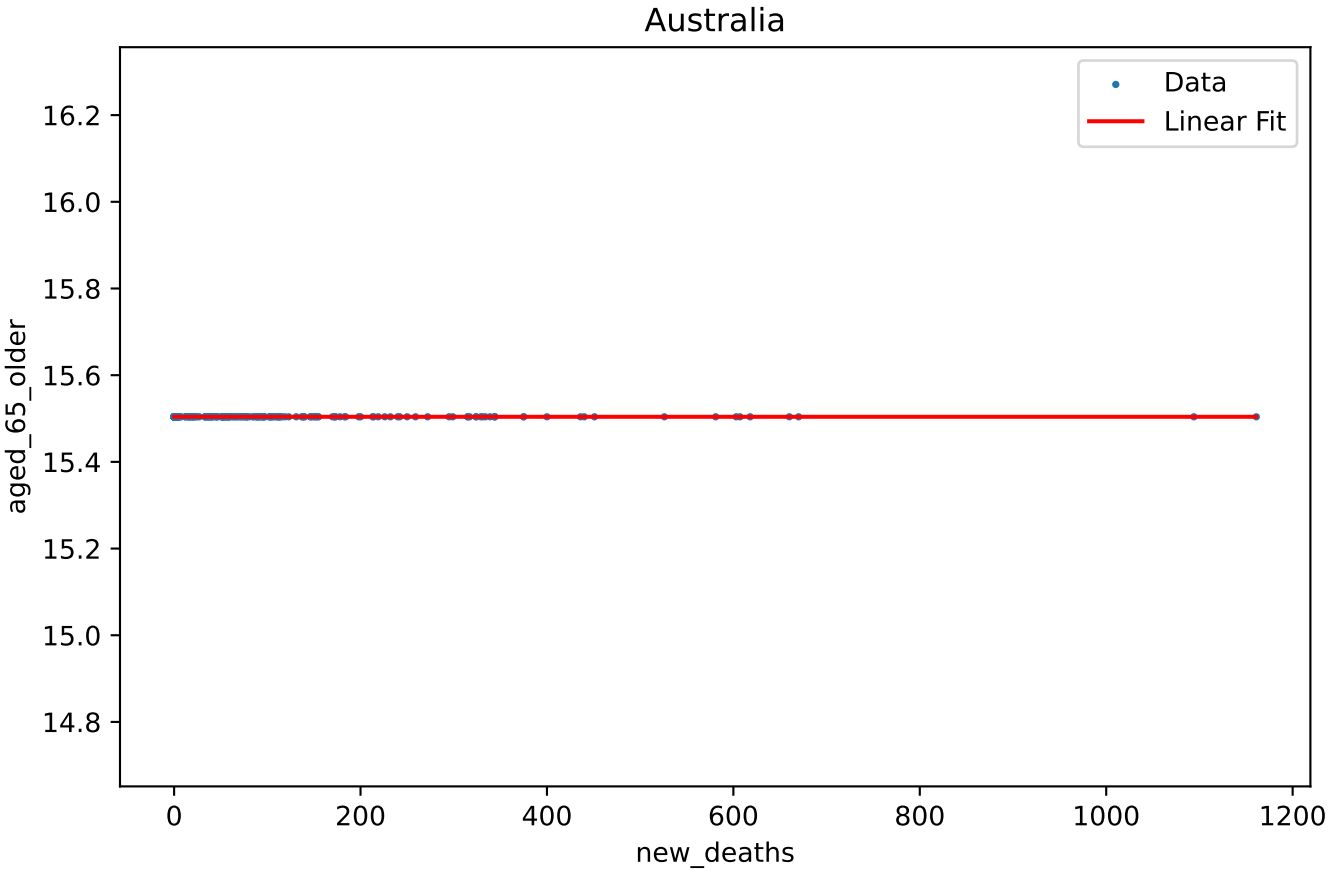

Italy
1e−11+2.3021e1
Data
Linear Fit
aged_65_older
new_cases
1e6
2
1
0
−1
−2
0.0
0.2
0.4
0.6
0.8
1.0
1.2

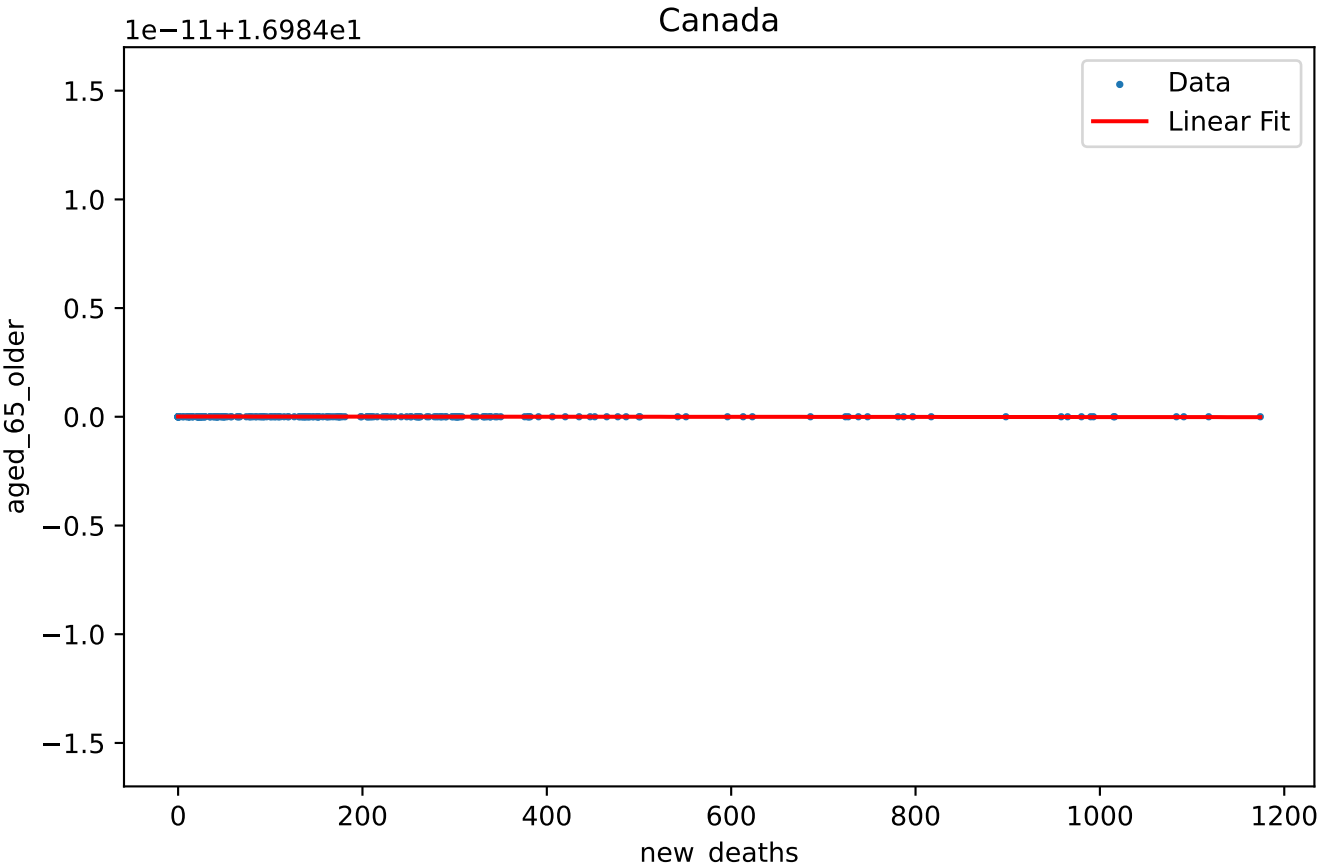

All Countries
aged_65_older
22.5
20.0
17.5
15.0
12.5
10.0
7.5
5.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

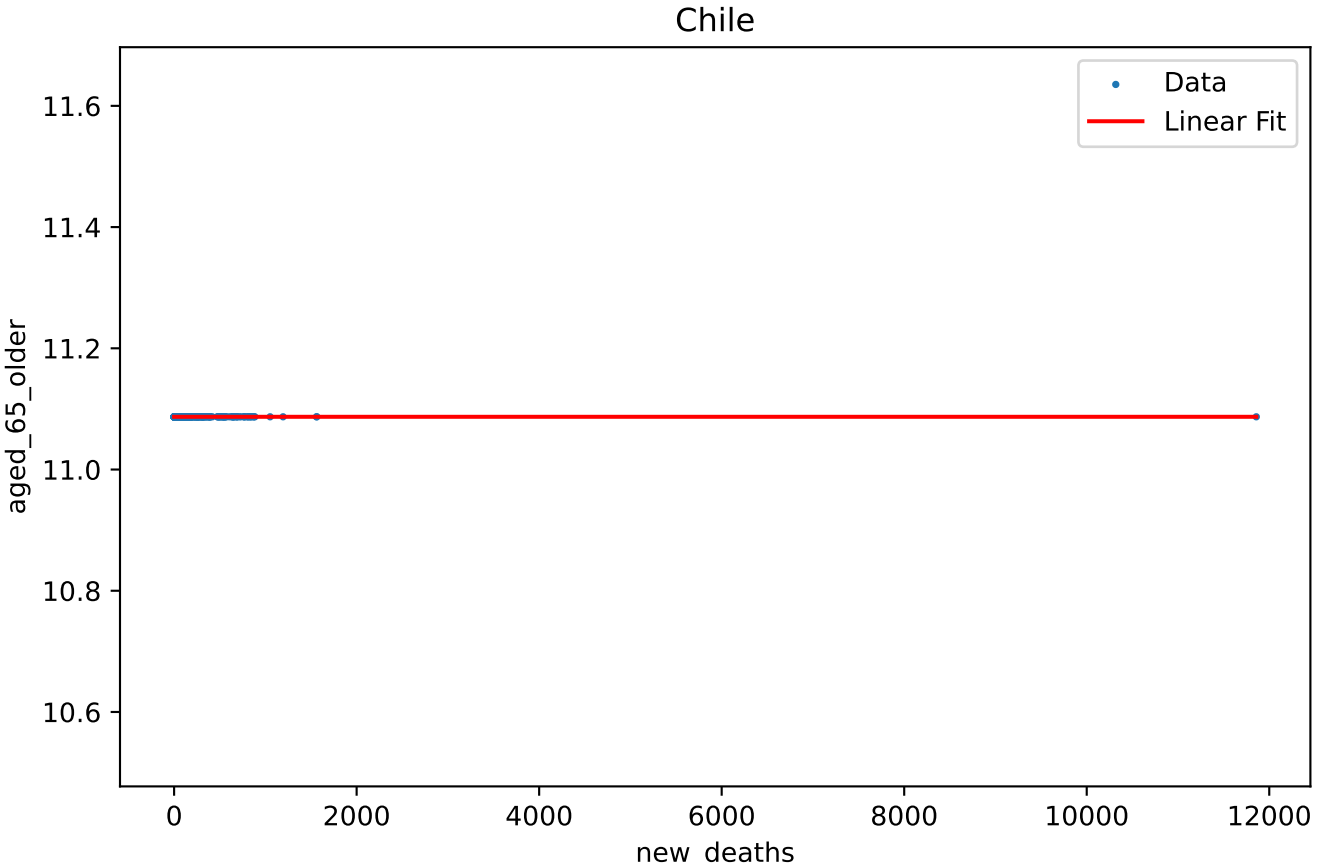

South Africa
Data
Linear Fit
aged_65_older
5.6
5.5
5.4
5.3
5.2
5.1
0
500
1000
1500
2000
2500
3000
3500
4000
new_deaths

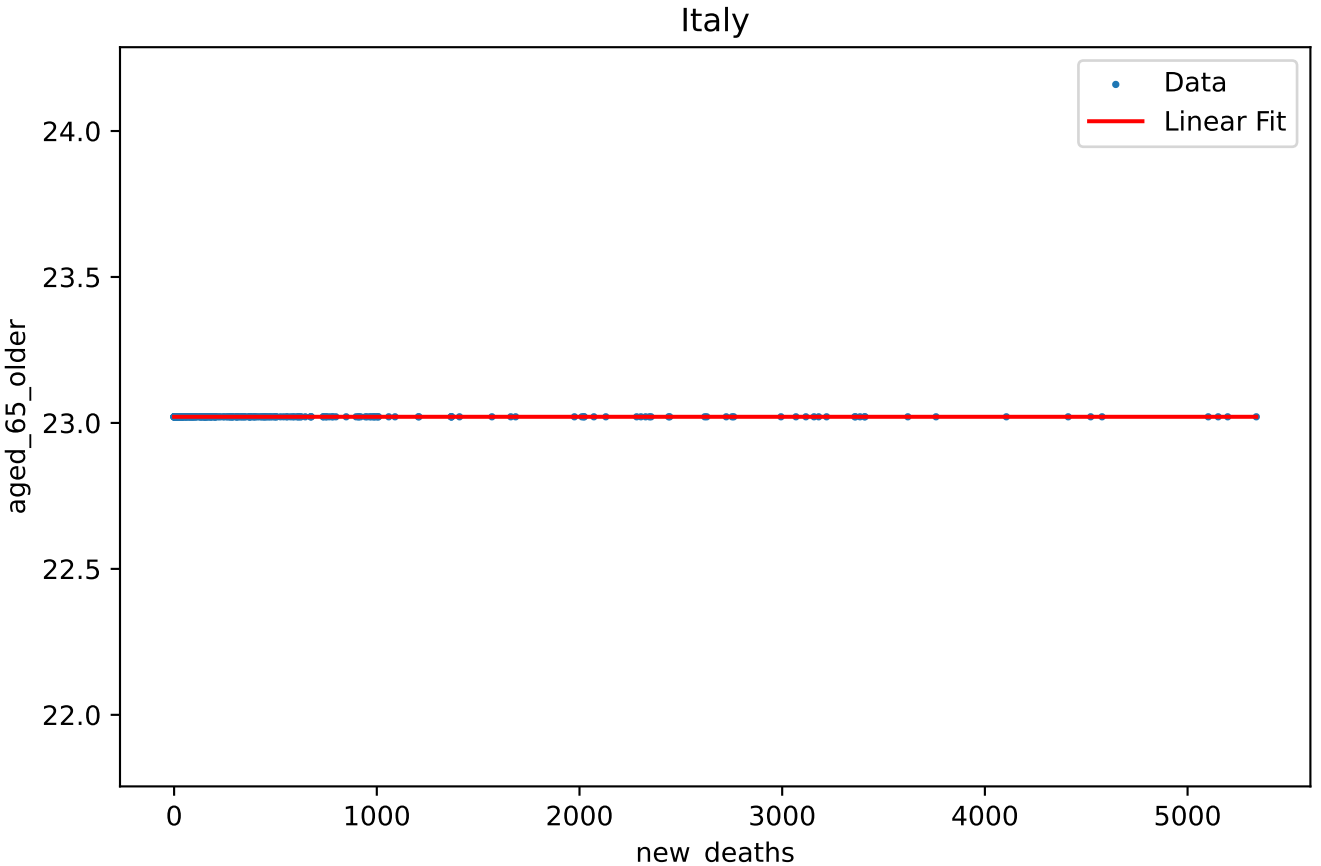

Malaysia
Data
Linear Fit
6.6
6.5
6.4
6.3
6.2
6.1
6.0
aged_65_older
0
500
1000
1500
2000
2500
new_deaths

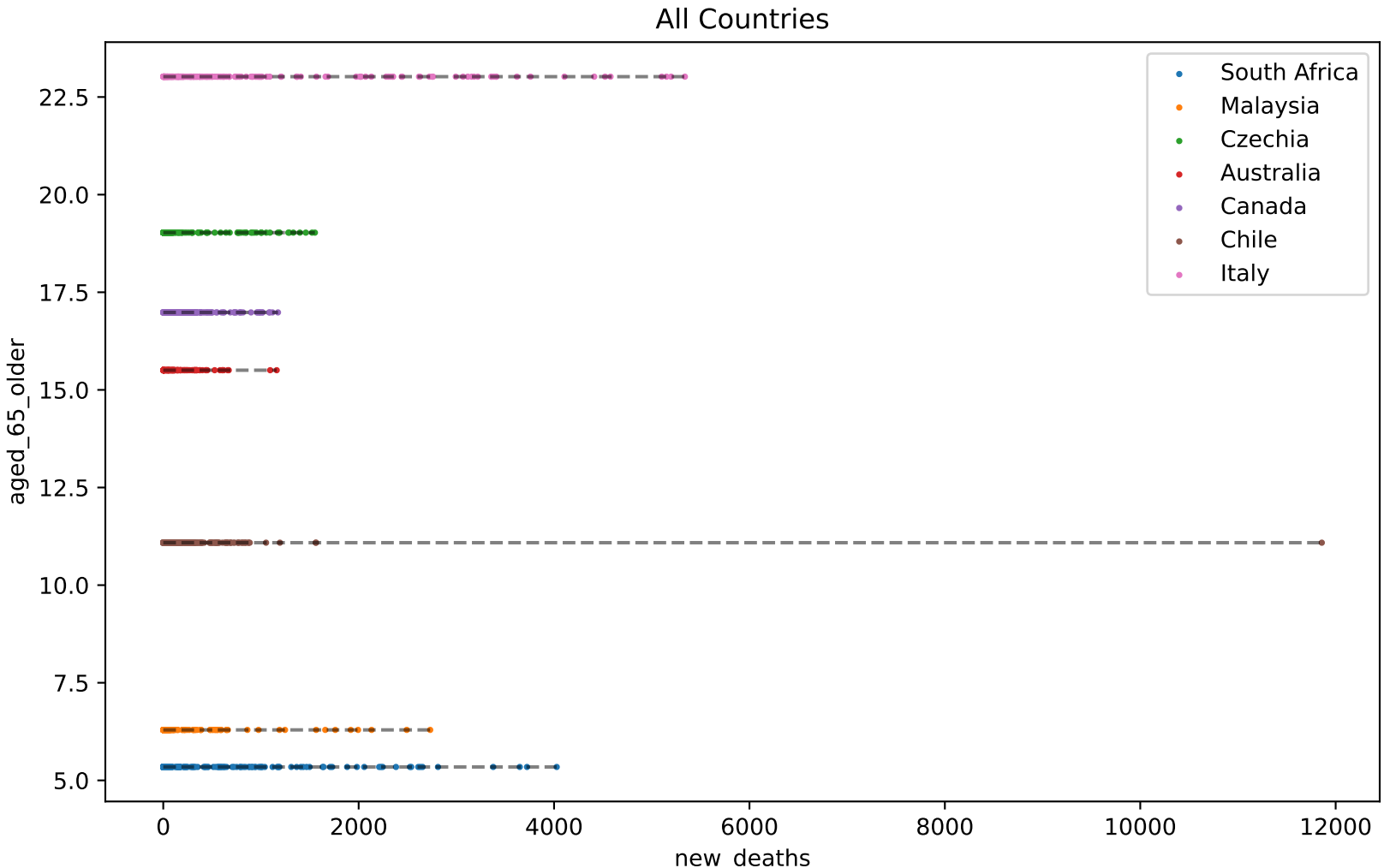

Czechia
1e−11+1.9027e1
Data
Linear Fit
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
aged_65_older
0
200
400
600
800
1000
1200
1400
1600
new_deaths

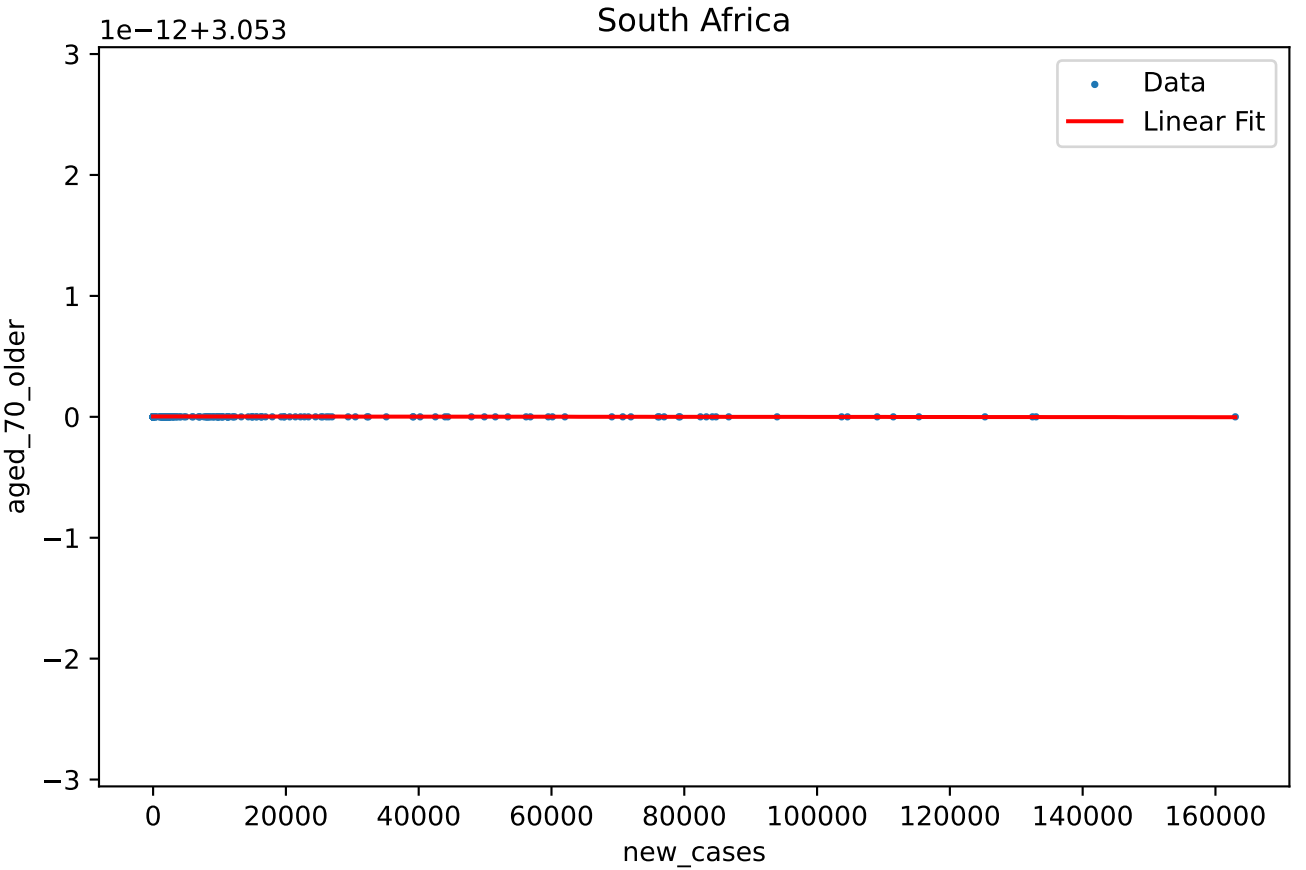

Australia
Data
Linear Fit
16.2
16.0
15.8
15.6
15.4
15.2
15.0
14.8
aged_65_older
0
200
400
600
800
1000
1200
new_deaths

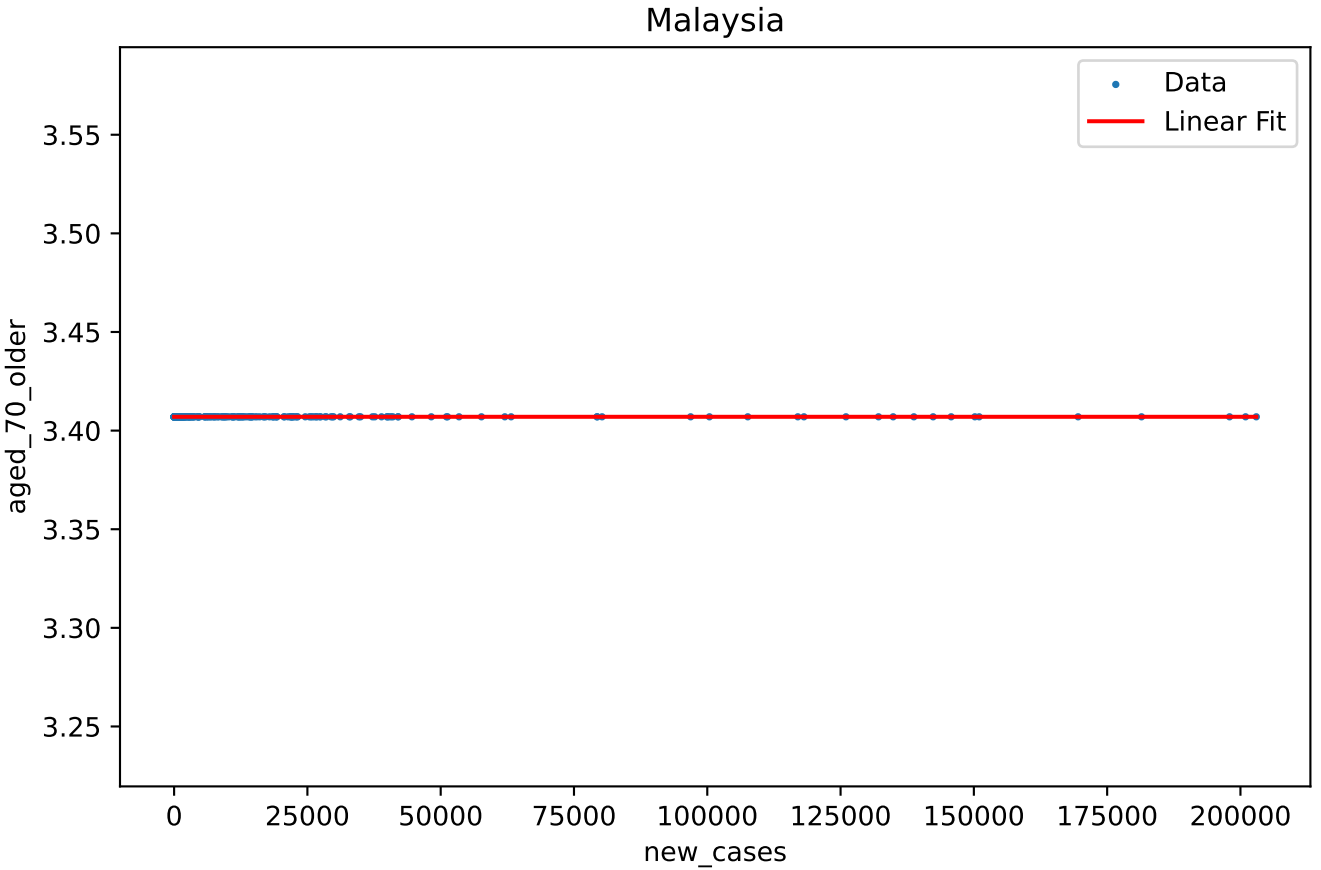

Canada
1e−11+1.6984e1
Data
Linear Fit
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
aged_65_older
0
200
400
600
800
1000
1200
new_deaths

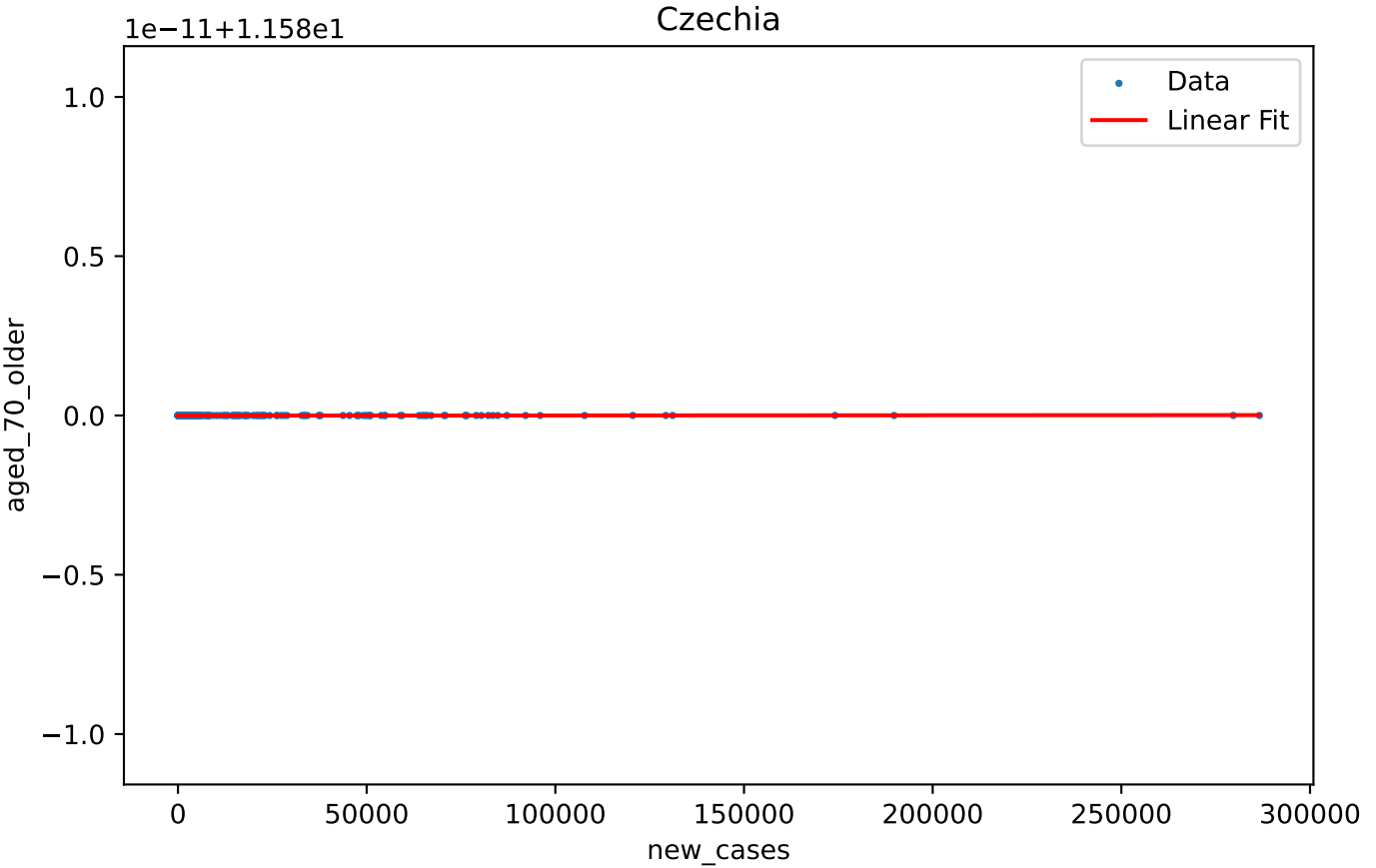

Chile
Data
Linear Fit
11.6
11.4
11.2
11.0
10.8
10.6
aged_65_older
0
2000
4000
6000
8000
10000
12000
new_deaths

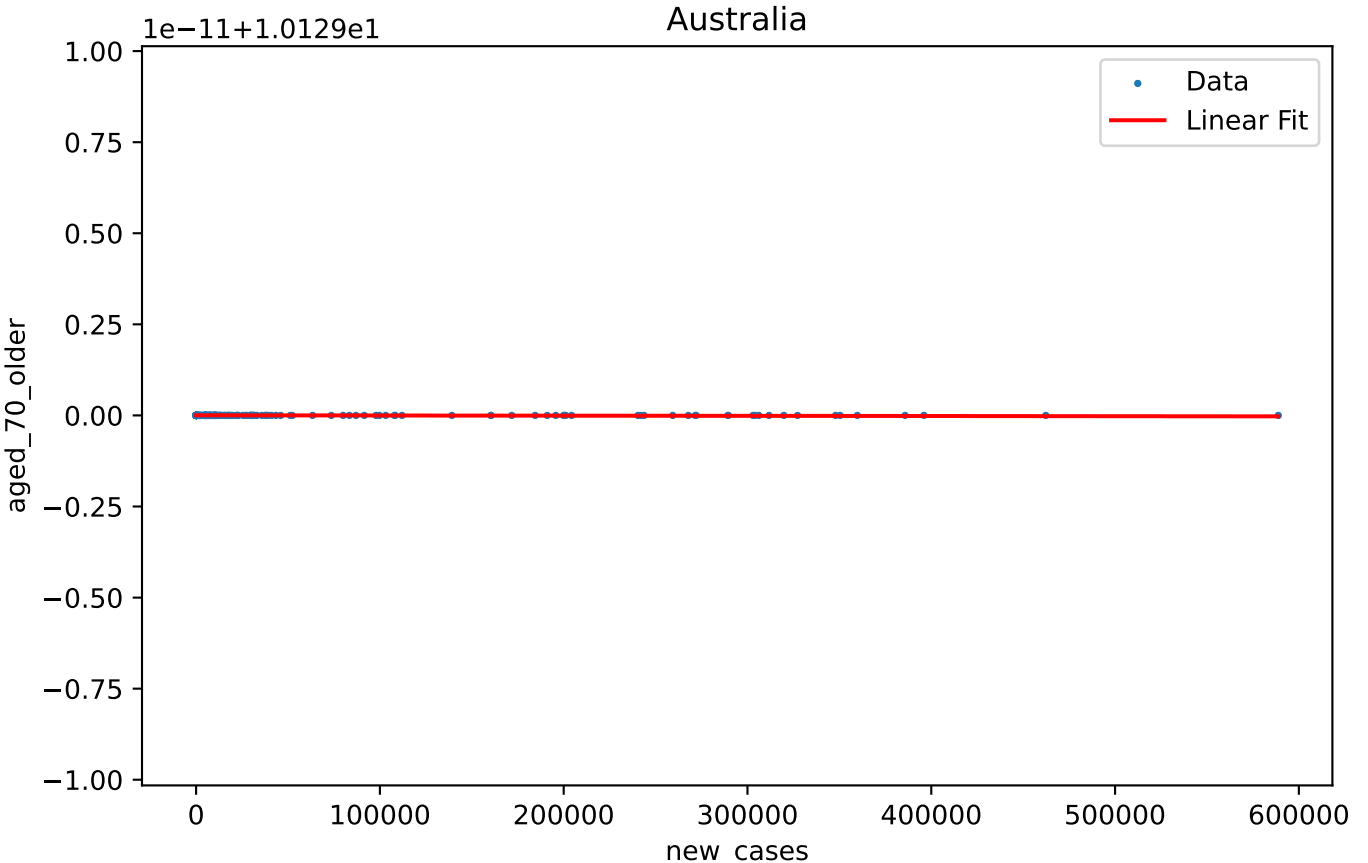

Italy
Data
Linear Fit
24.0
23.5
23.0
22.5
22.0
aged_65_older
0
1000
2000
3000
4000
5000
new_deaths

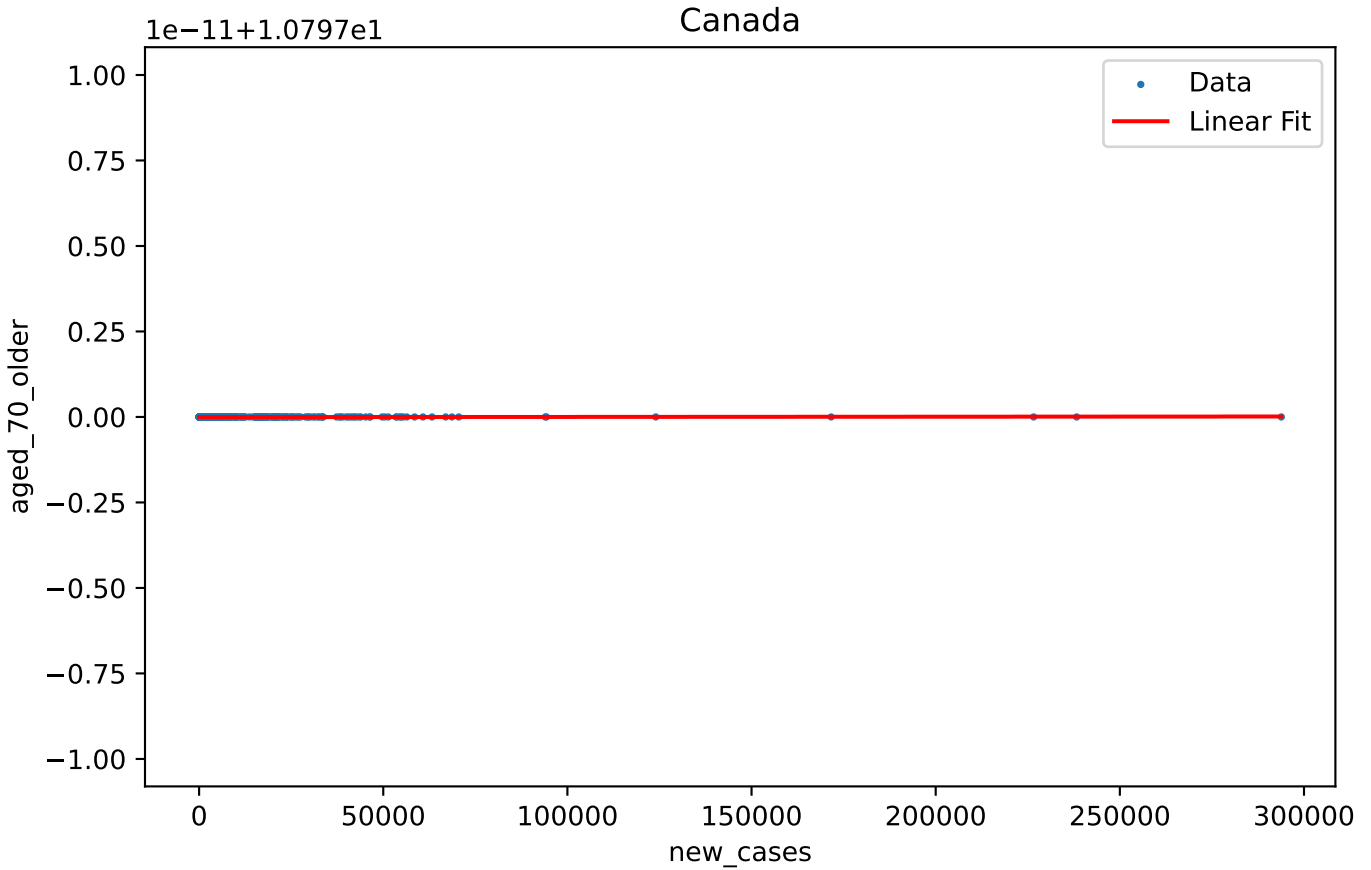

All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
aged_65_older
22.5
20.0
17.5
15.0
12.5
10.0
7.5
5.0
0
2000
4000
6000
8000
10000
12000
new_deaths

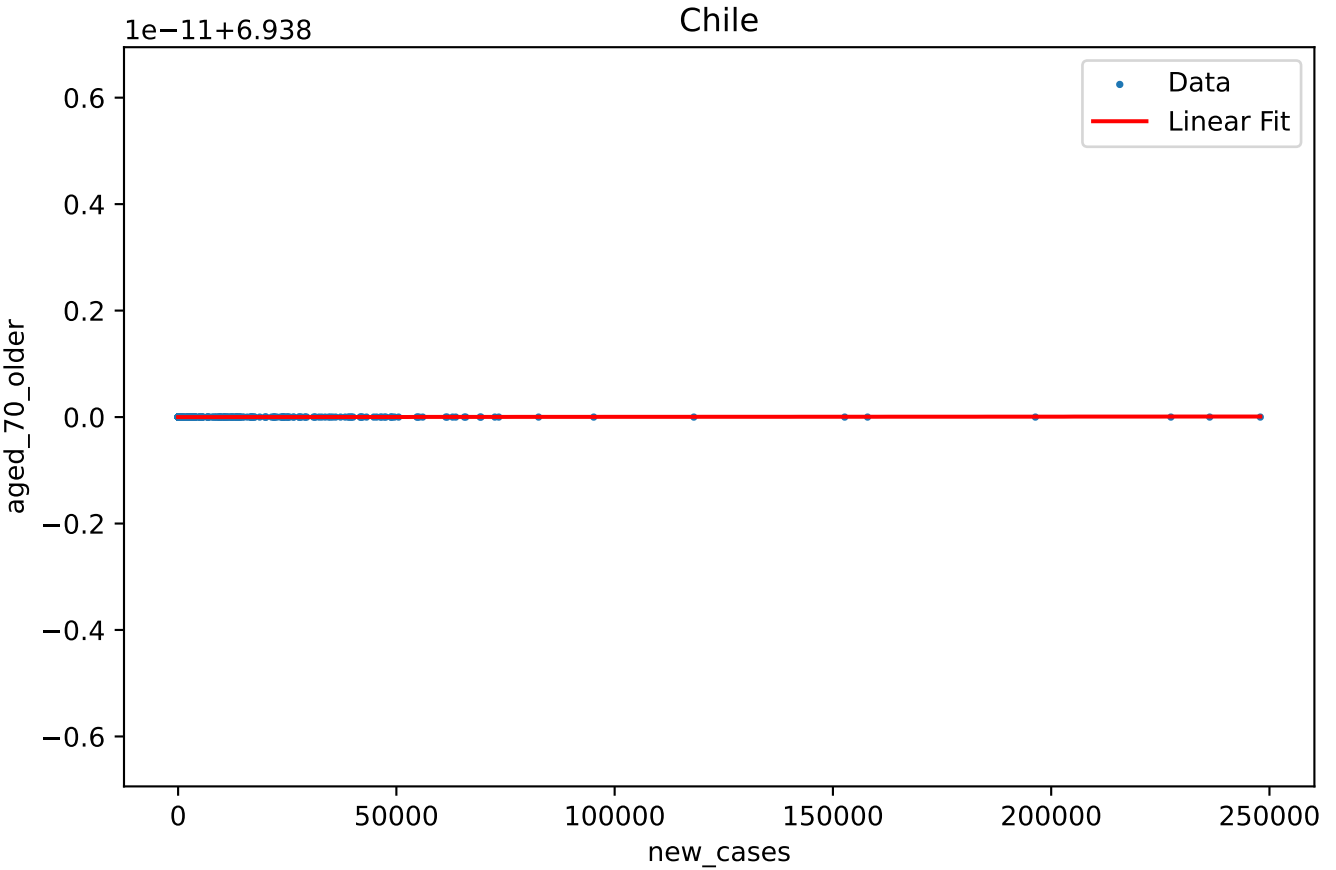

South Africa
1e−12+3.053
Data
Linear Fit
aged_70_older
new_cases
3
2
1
0
−1
−2
−3
0
20000
40000
60000
80000
100000
120000
140000
160000

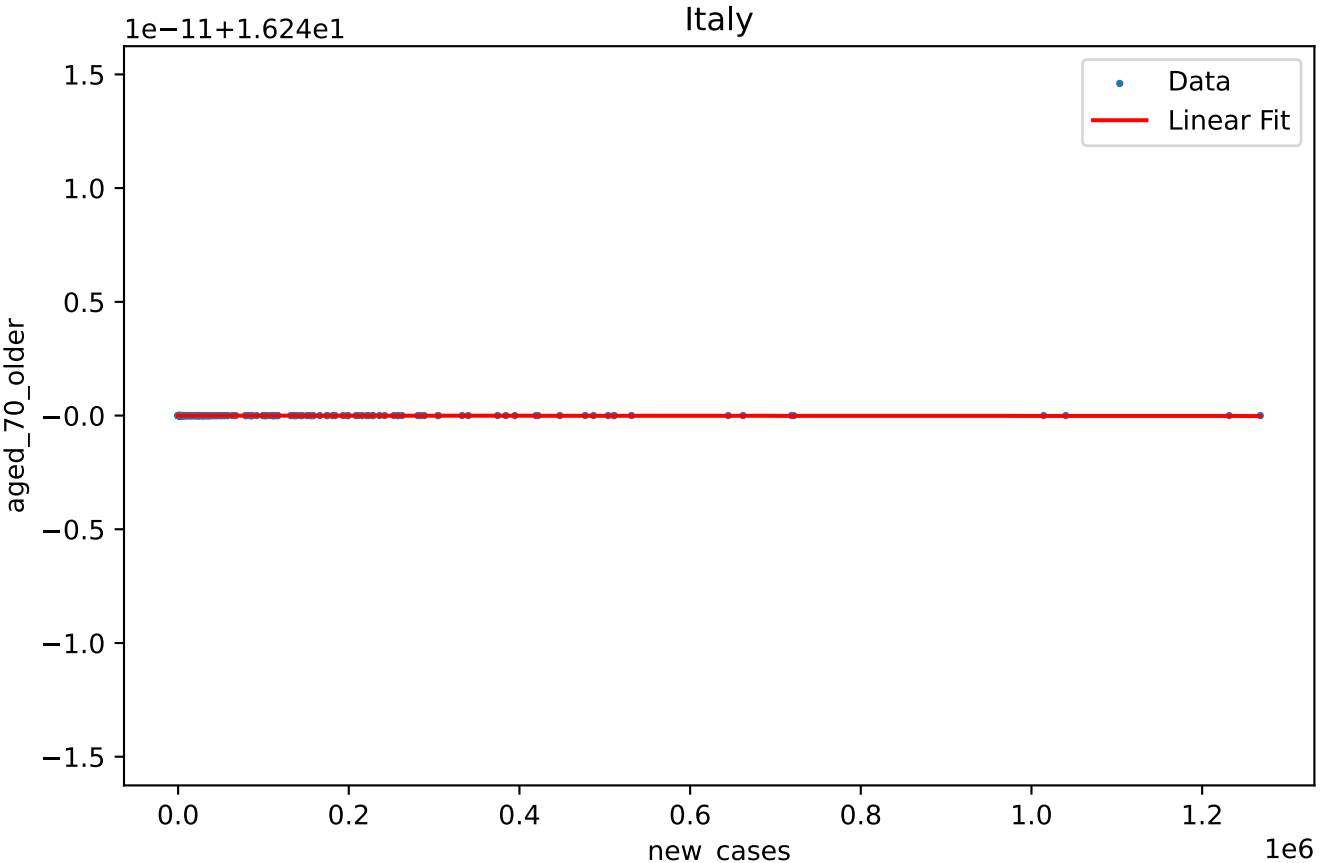

Malaysia
Data
Linear Fit
3.55
3.50
3.45
3.40
3.35
3.30
3.25
aged_70_older
0
25000
50000
75000
100000
125000
150000
175000
200000
new_cases

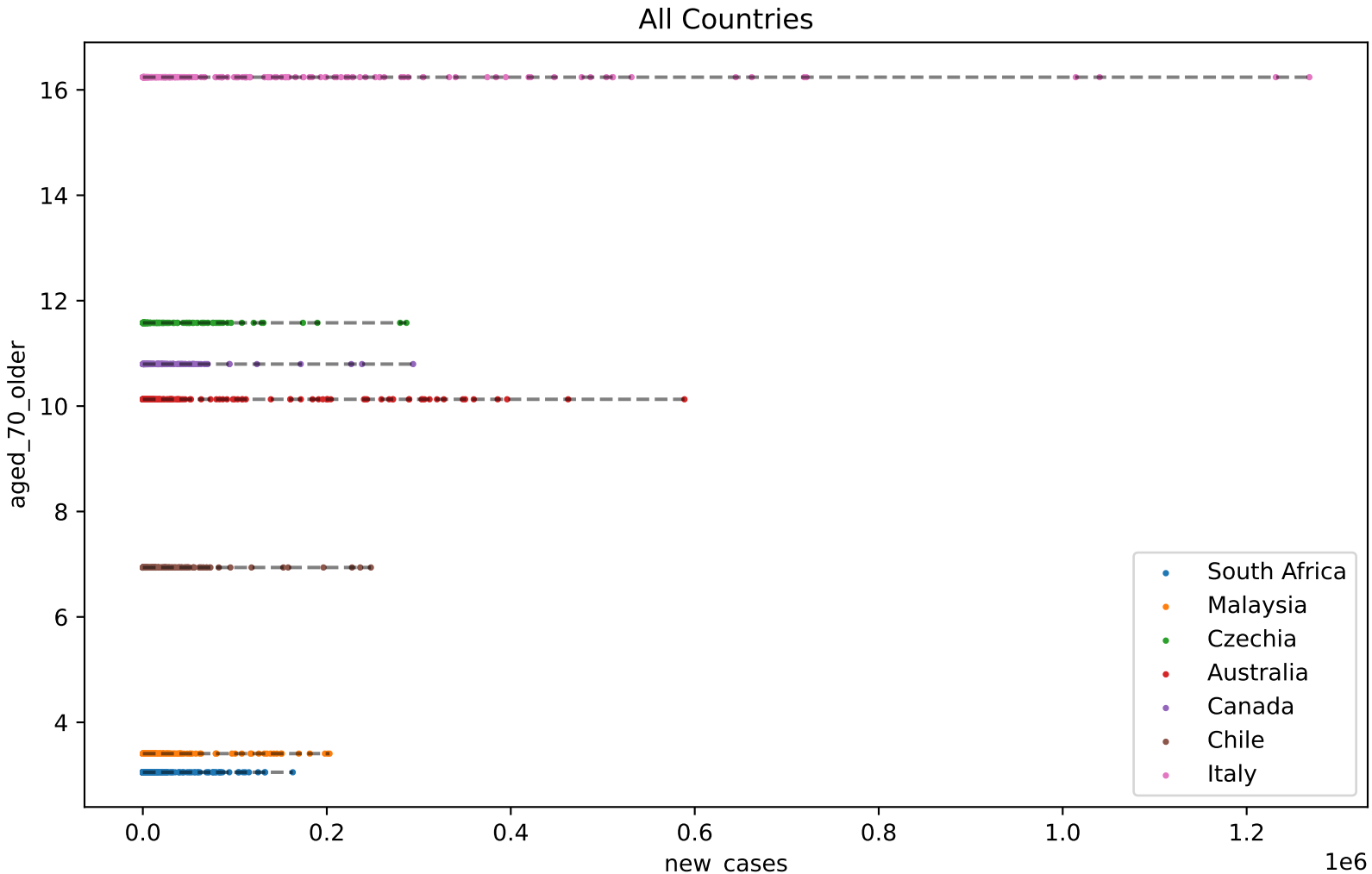

Czechia
1e−11+1.158e1
Data
Linear Fit
1.0
0.5
0.0
−0.5
−1.0
aged_70_older
0
50000
100000
150000
200000
250000
300000
new_cases

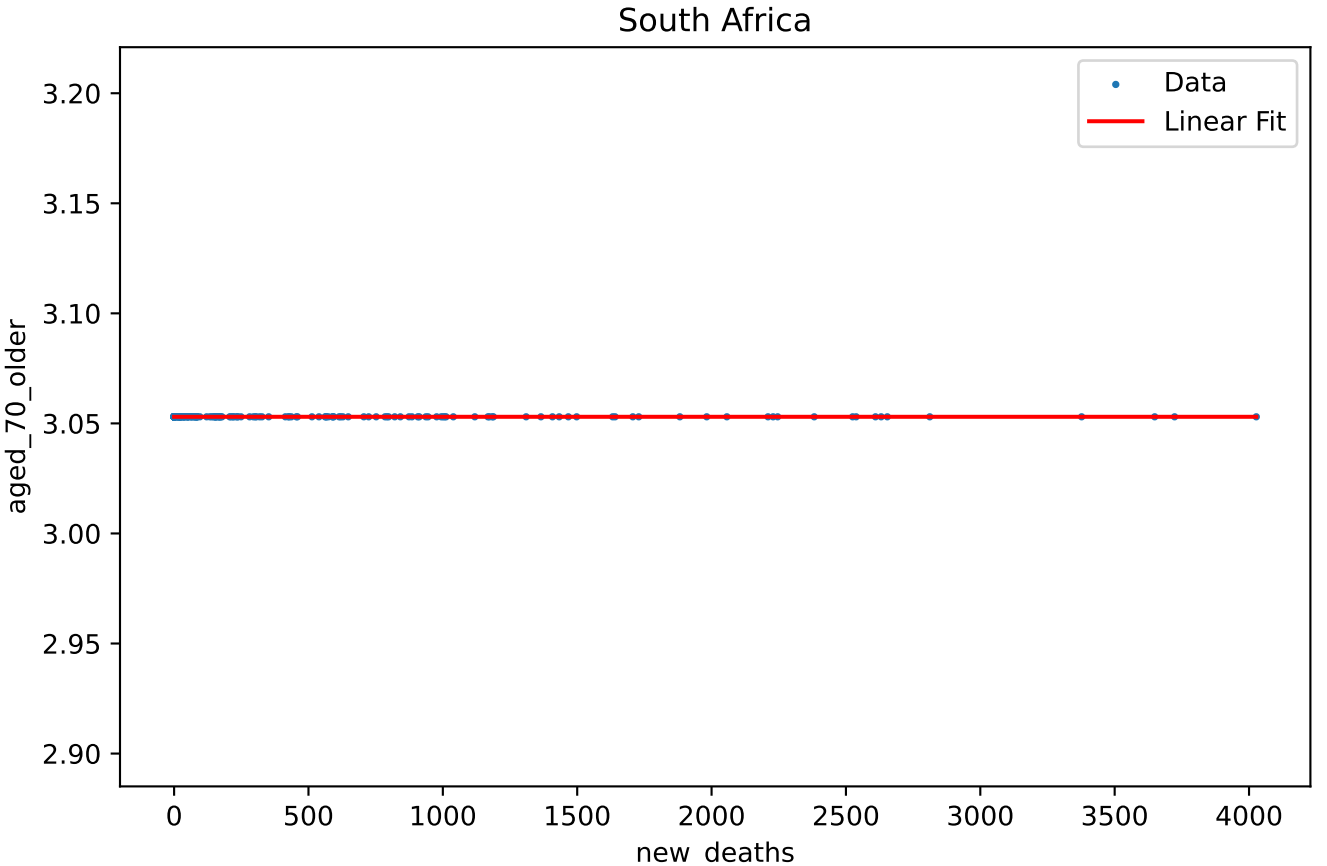

Australia
1e−11+1.0129e1
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
aged_70_older
0
100000
200000
300000
400000
500000
600000
new_cases
Data
Linear Fit

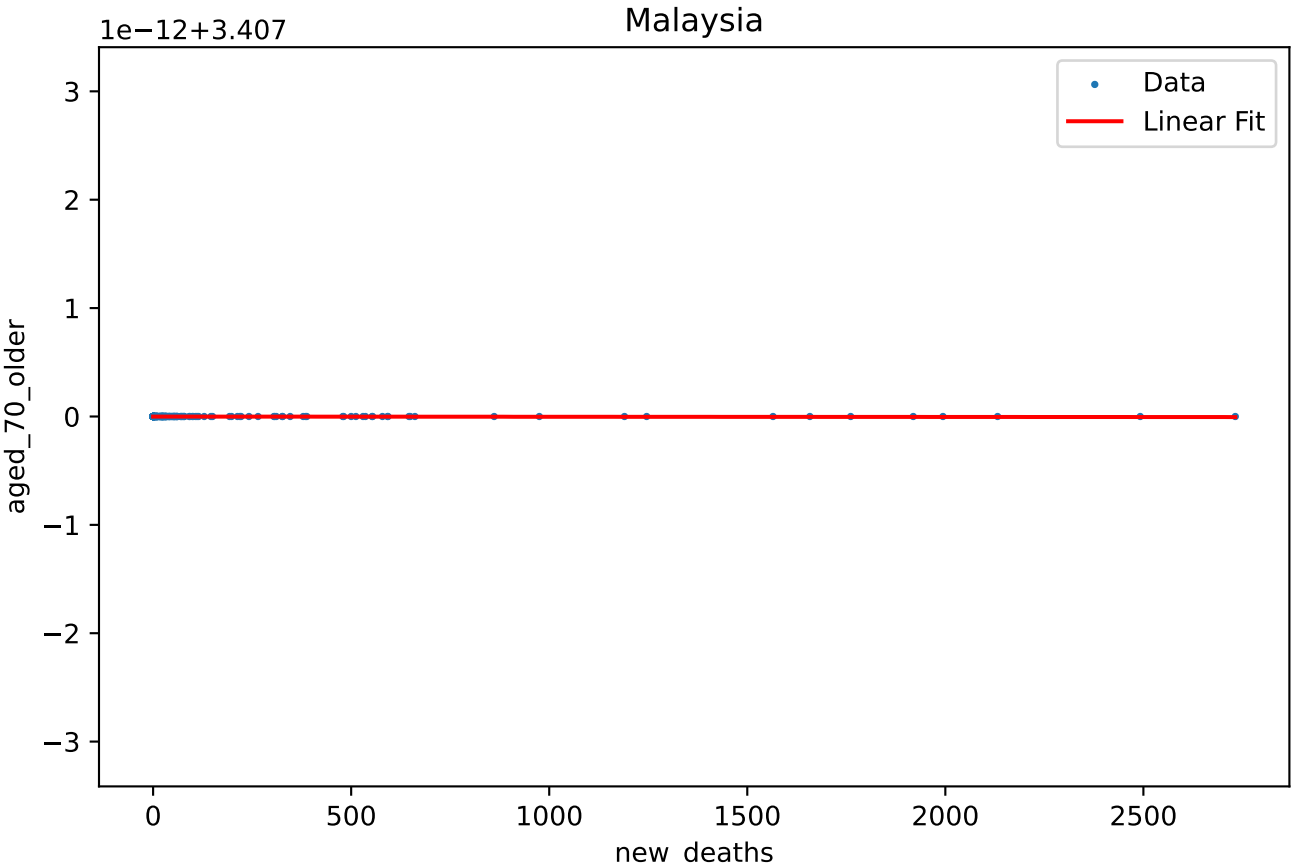

Canada
1e−11+1.0797e1
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
aged_70_older
0
50000
100000
150000
200000
250000
300000
new_cases
Data
Linear Fit

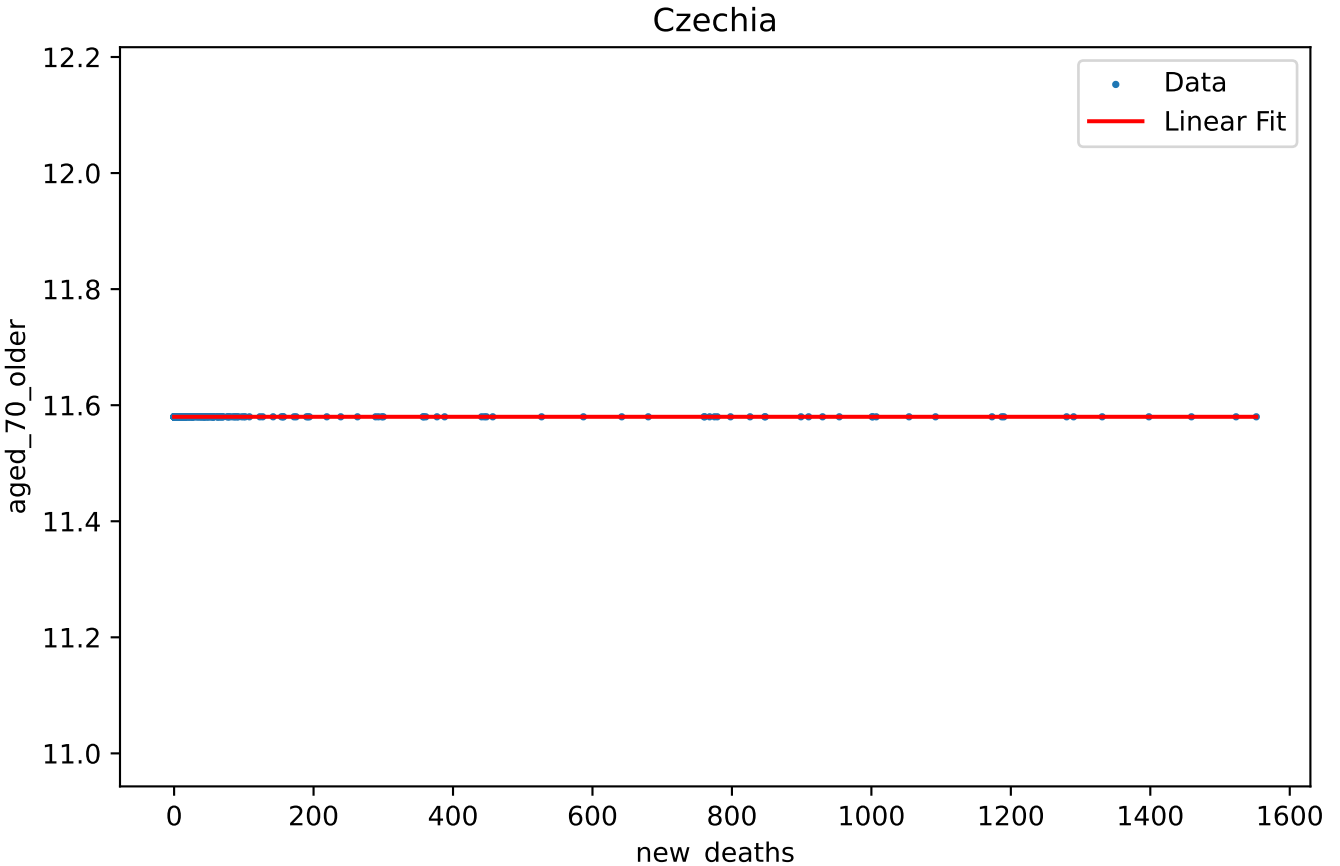

Chile
1e−11+6.938
Data
Linear Fit
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
aged_70_older
0
50000
100000
150000
200000
250000
new_cases

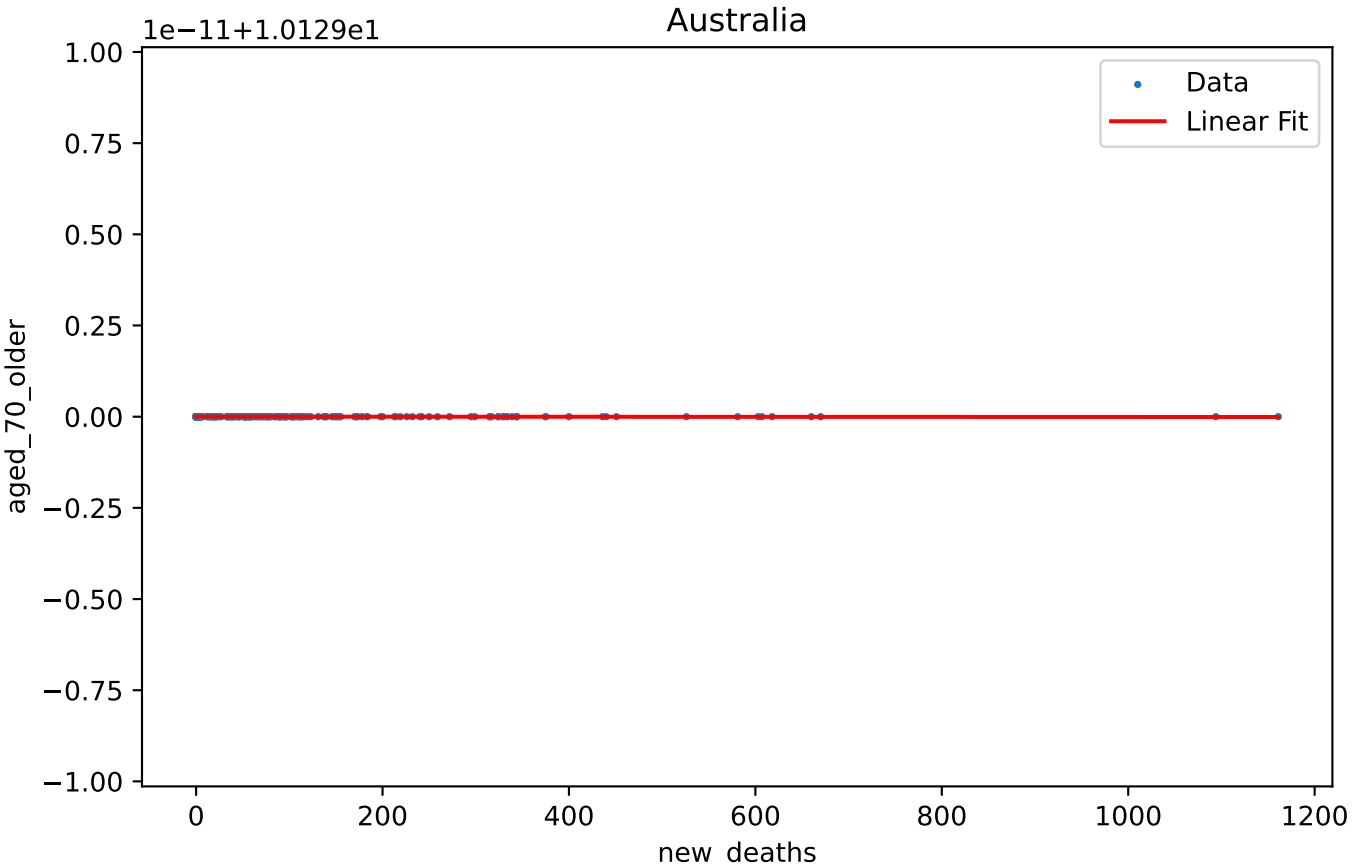

Italy
1e−11+1.624e1
Data
Linear Fit
1.5
1.0
0.5
−0.0
−0.5
−1.0
−1.5
aged_70_older
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

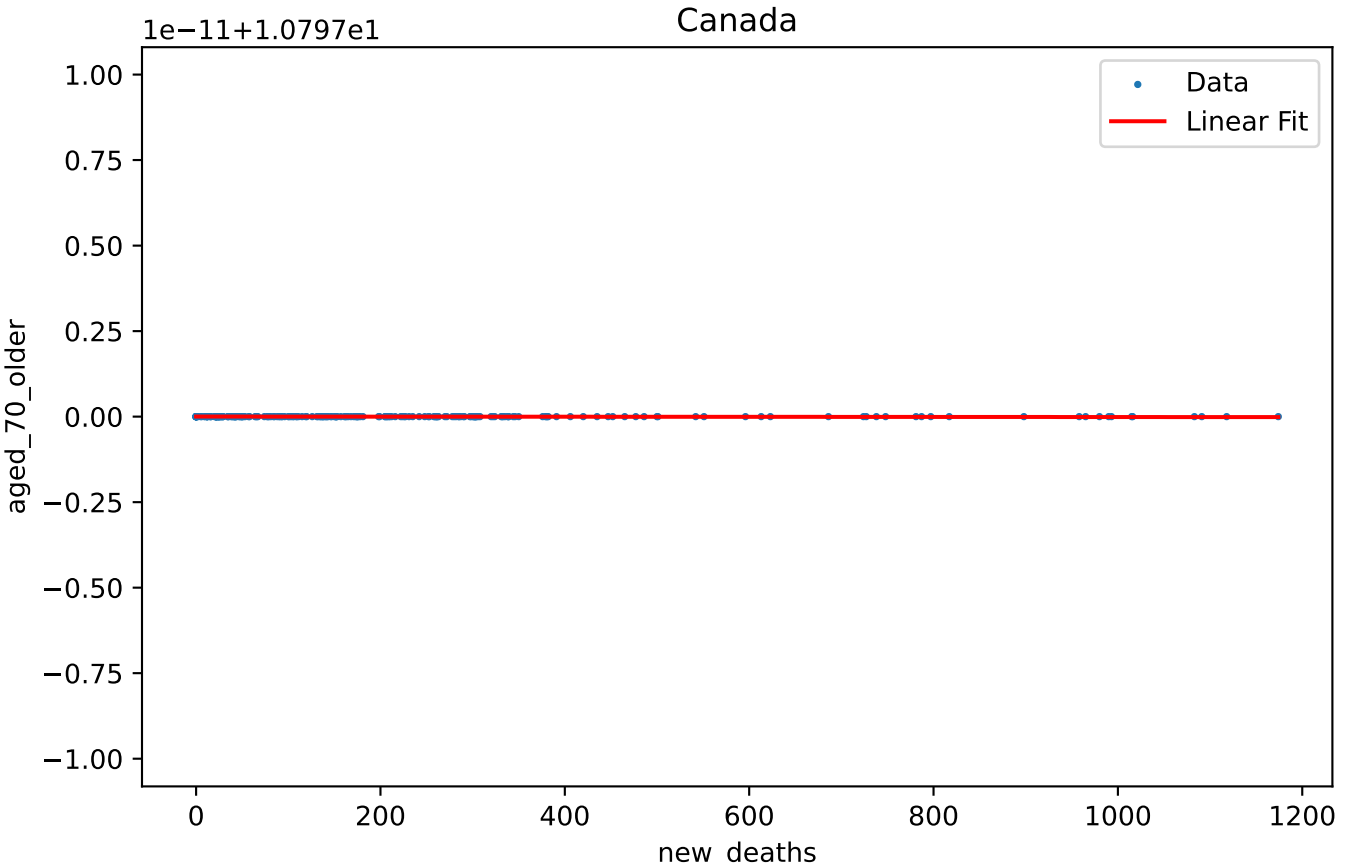

All Countries
aged_70_older
16
14
12
10
8
6
4
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

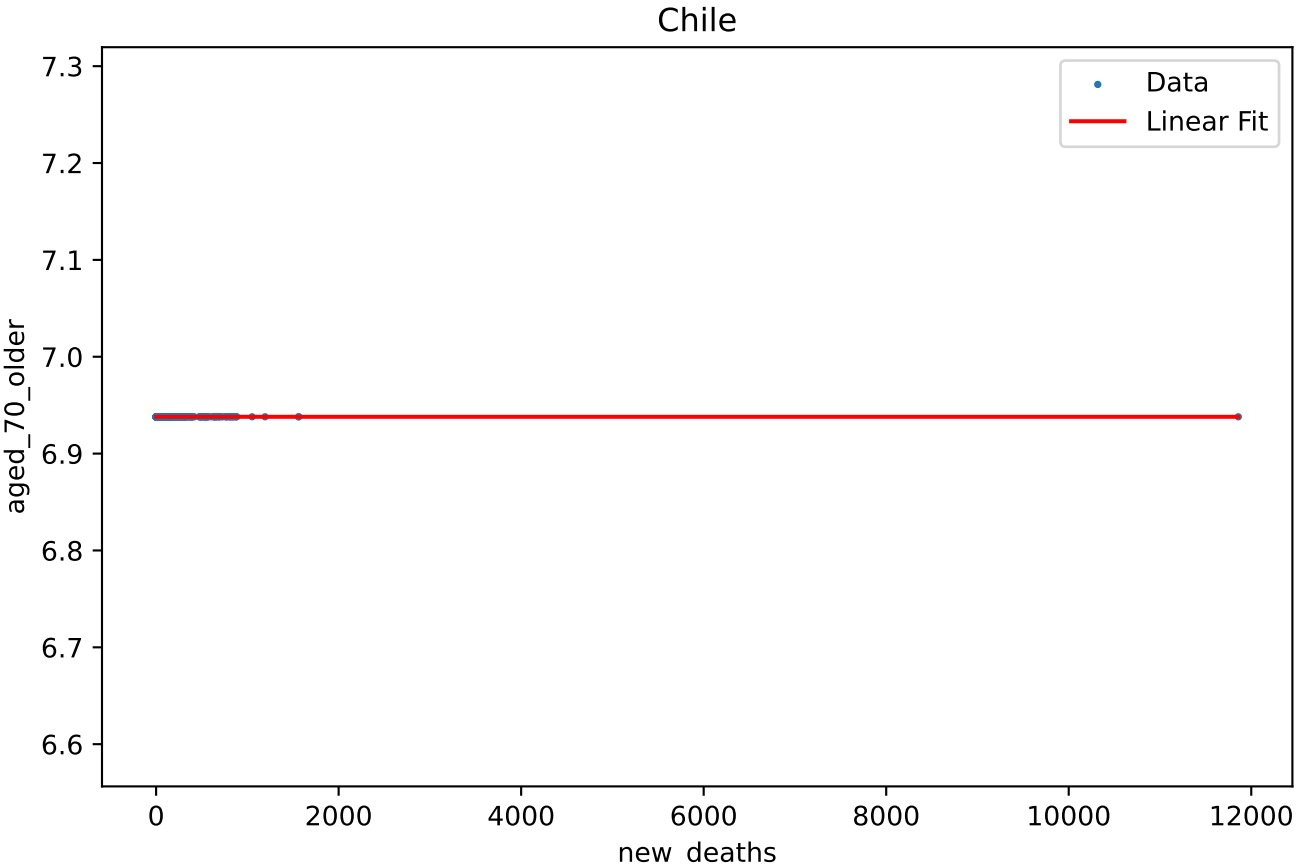

South Africa
Data
Linear Fit
aged_70_older
3.20
3.15
3.10
3.05
3.00
2.95
2.90
0
500
1000
1500
2000
2500
3000
3500
4000
new_deaths

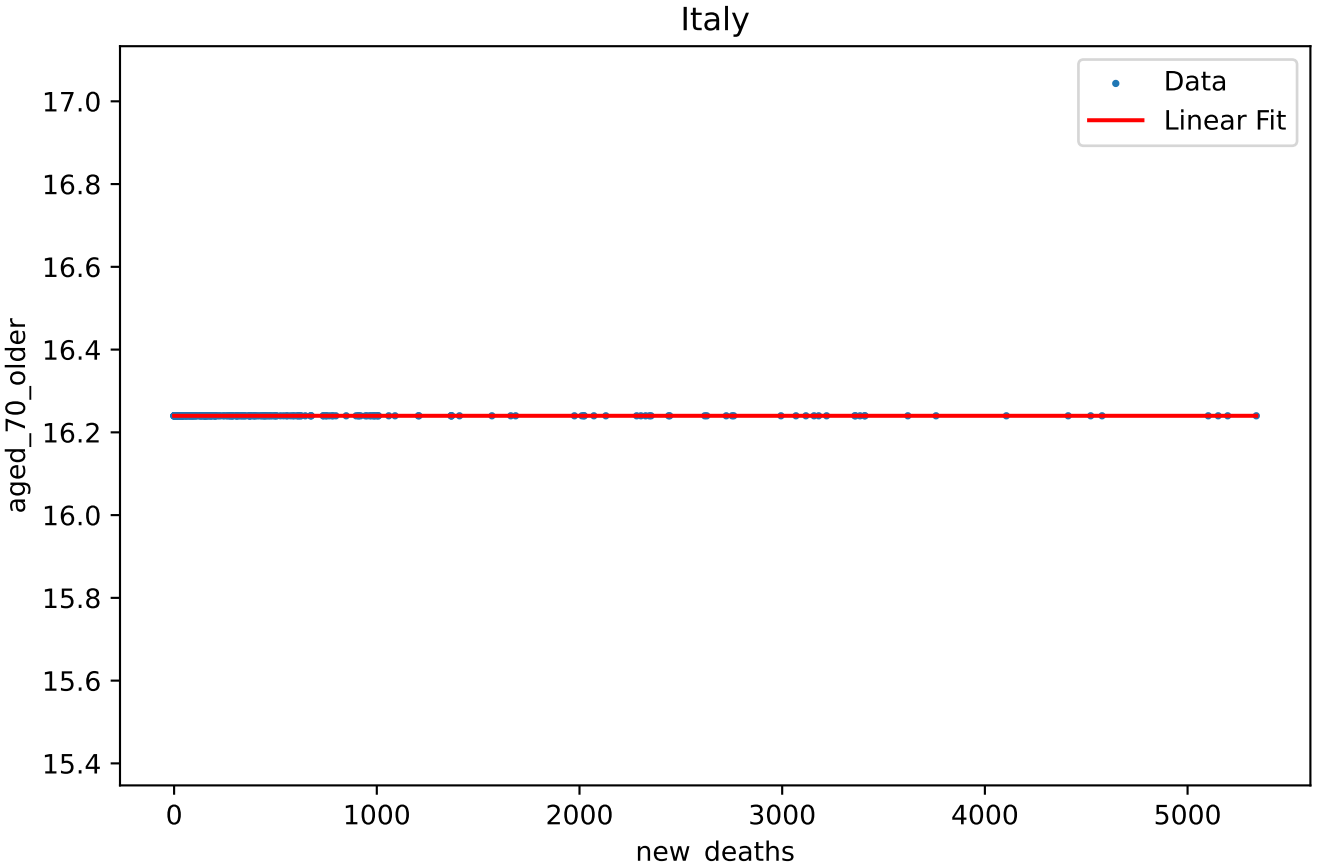

Malaysia
1e−12+3.407
Data
Linear Fit
aged_70_older
new_deaths
3
2
1
0
−1
−2
−3
0
500
1000
1500
2000
2500

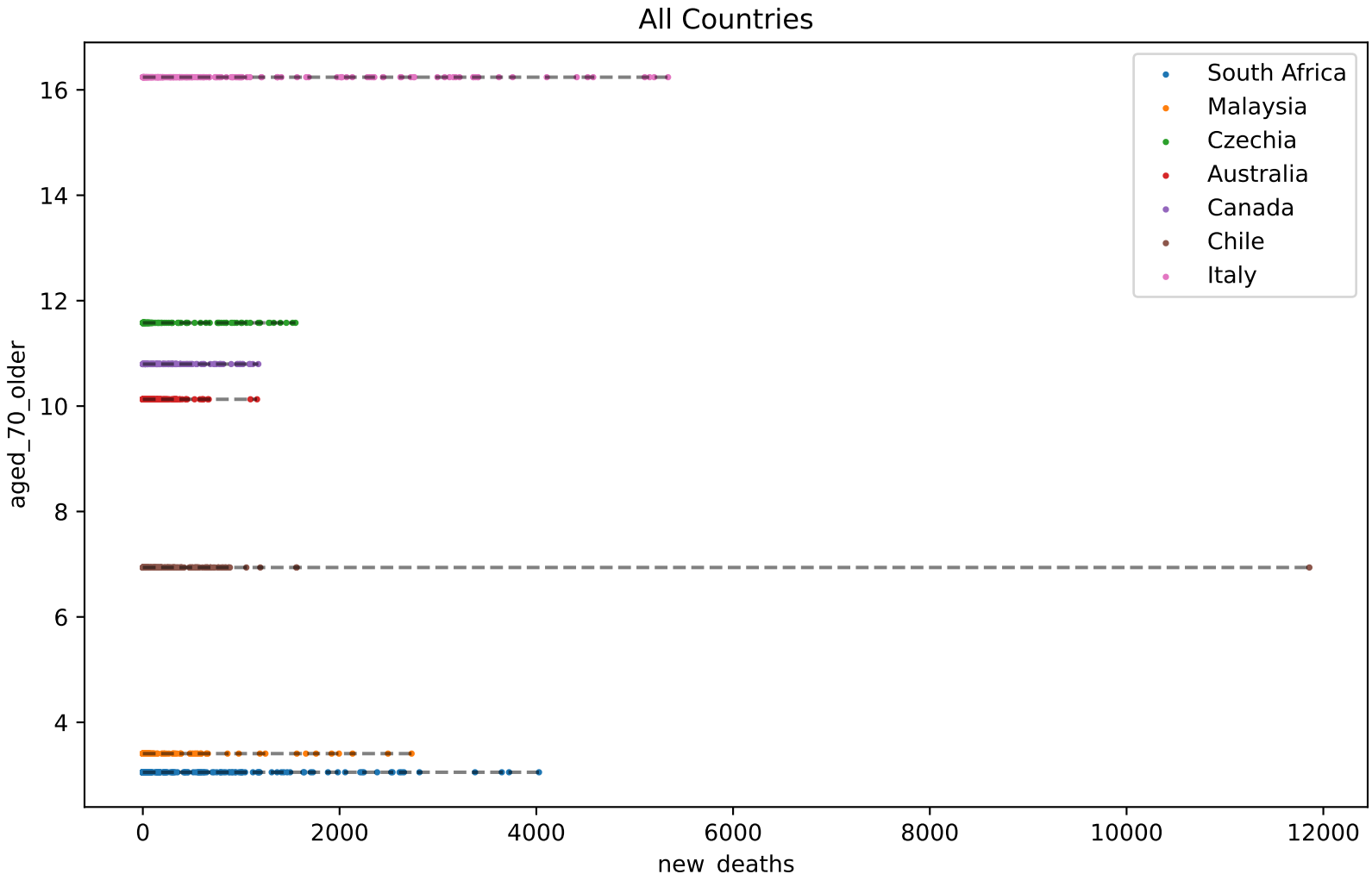

Czechia
Data
Linear Fit
aged_70_older
new_deaths
12.2
12.0
11.8
11.6
11.4
11.2
11.0
0
200
400
600
800
1000
1200
1400
1600

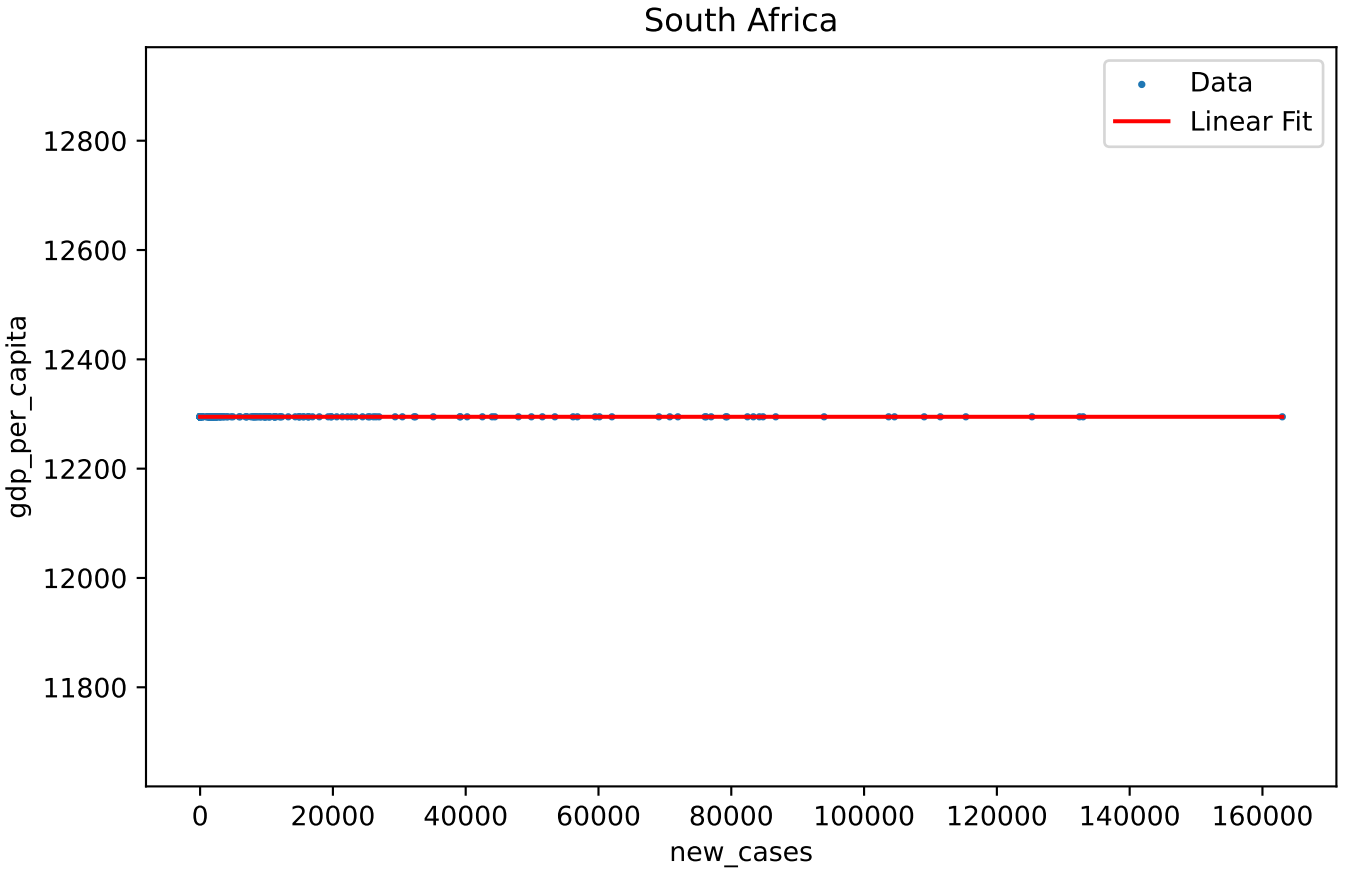

Australia
1e−11+1.0129e1
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
aged_70_older
0
200
400
600
800
1000
1200
new_deaths
Data
Linear Fit

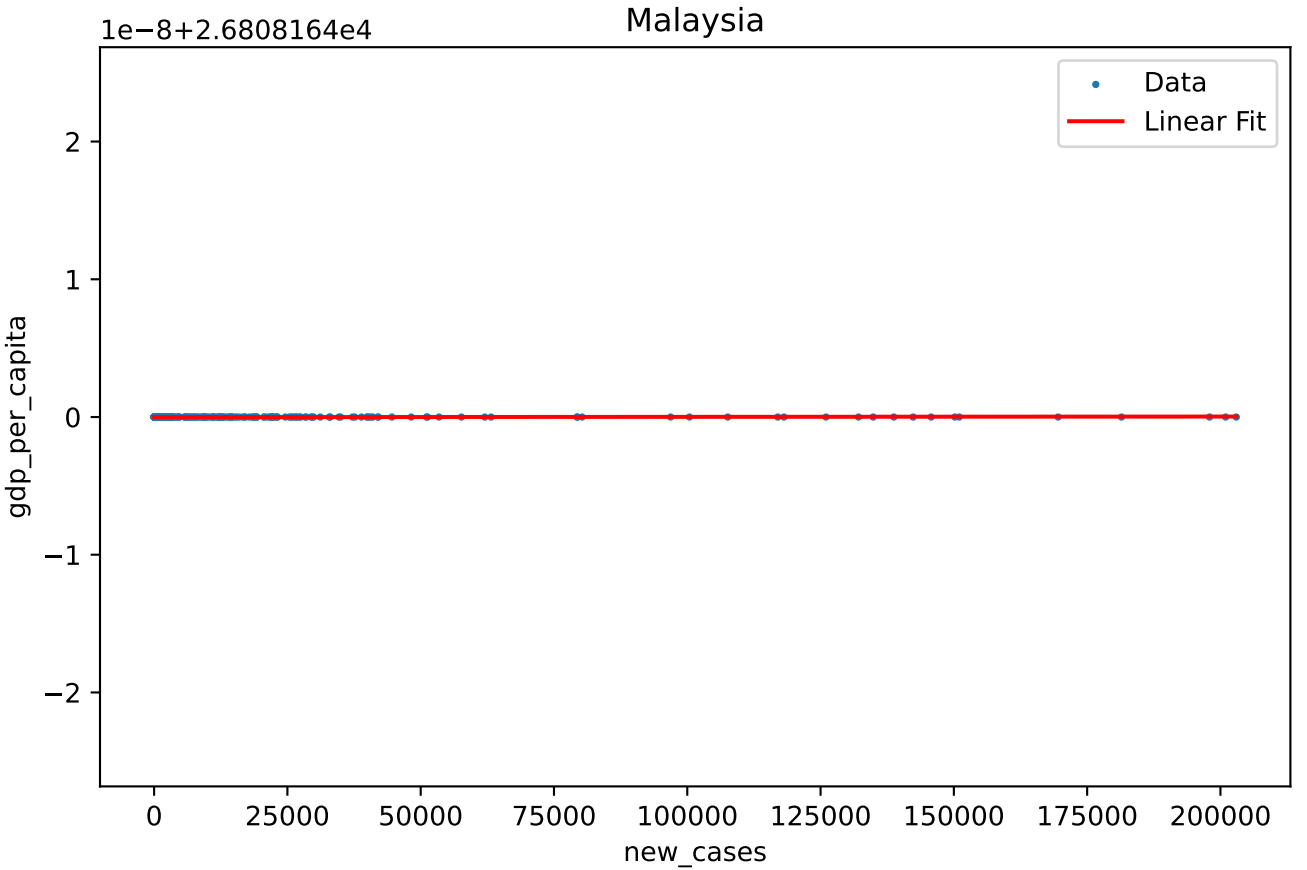

Canada
1e−11+1.0797e1
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
aged_70_older
0
200
400
600
800
1000
1200
new_deaths
Data
Linear Fit

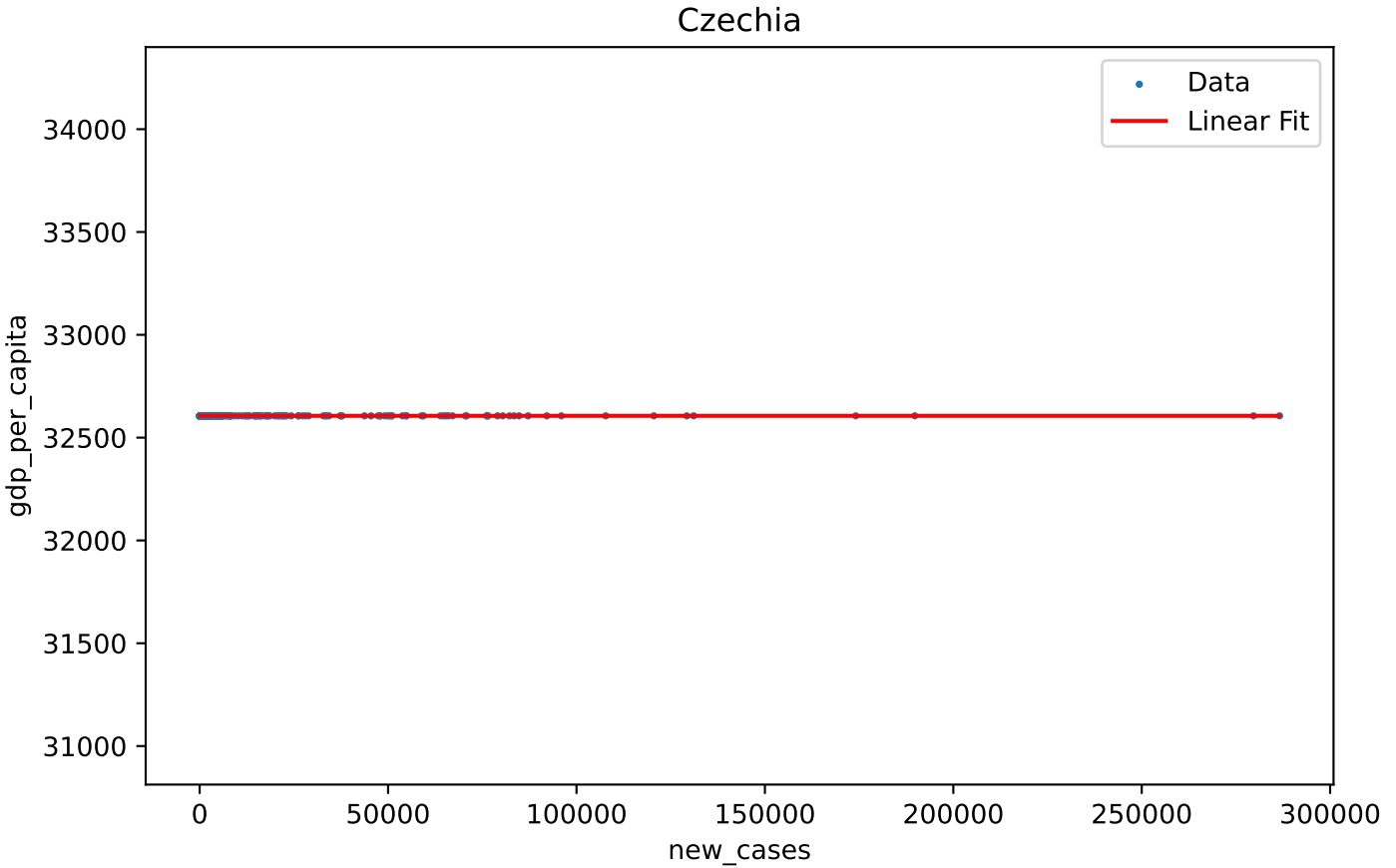

Chile
Data
Linear Fit
7.3
7.2
7.1
7.0
6.9
6.8
6.7
6.6
aged_70_older
0
2000
4000
6000
8000
10000
12000
new_deaths

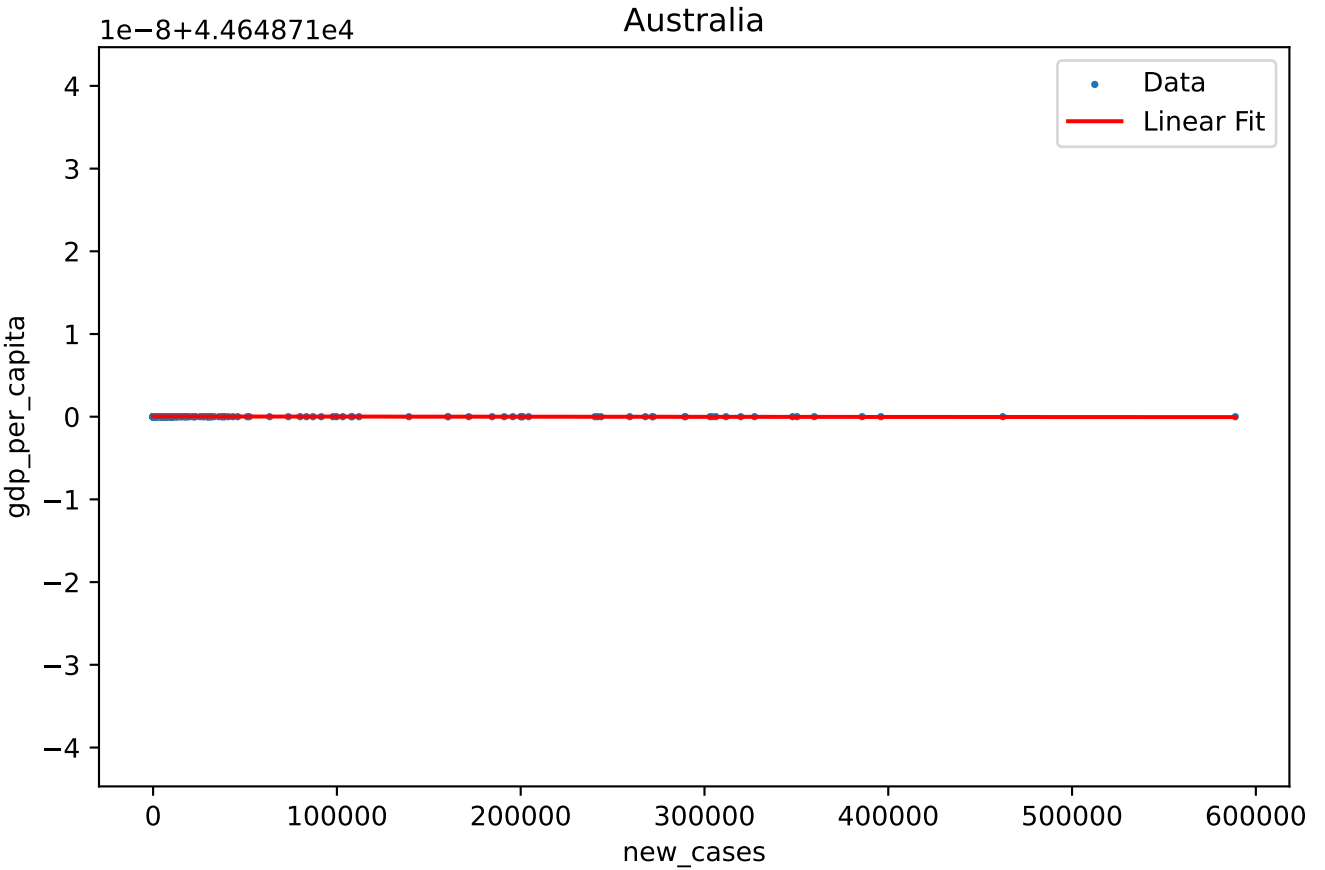

Italy
Data
Linear Fit
17.0
16.8
16.6
16.4
16.2
16.0
15.8
15.6
15.4
aged_70_older
0
1000
2000
3000
4000
5000
new_deaths

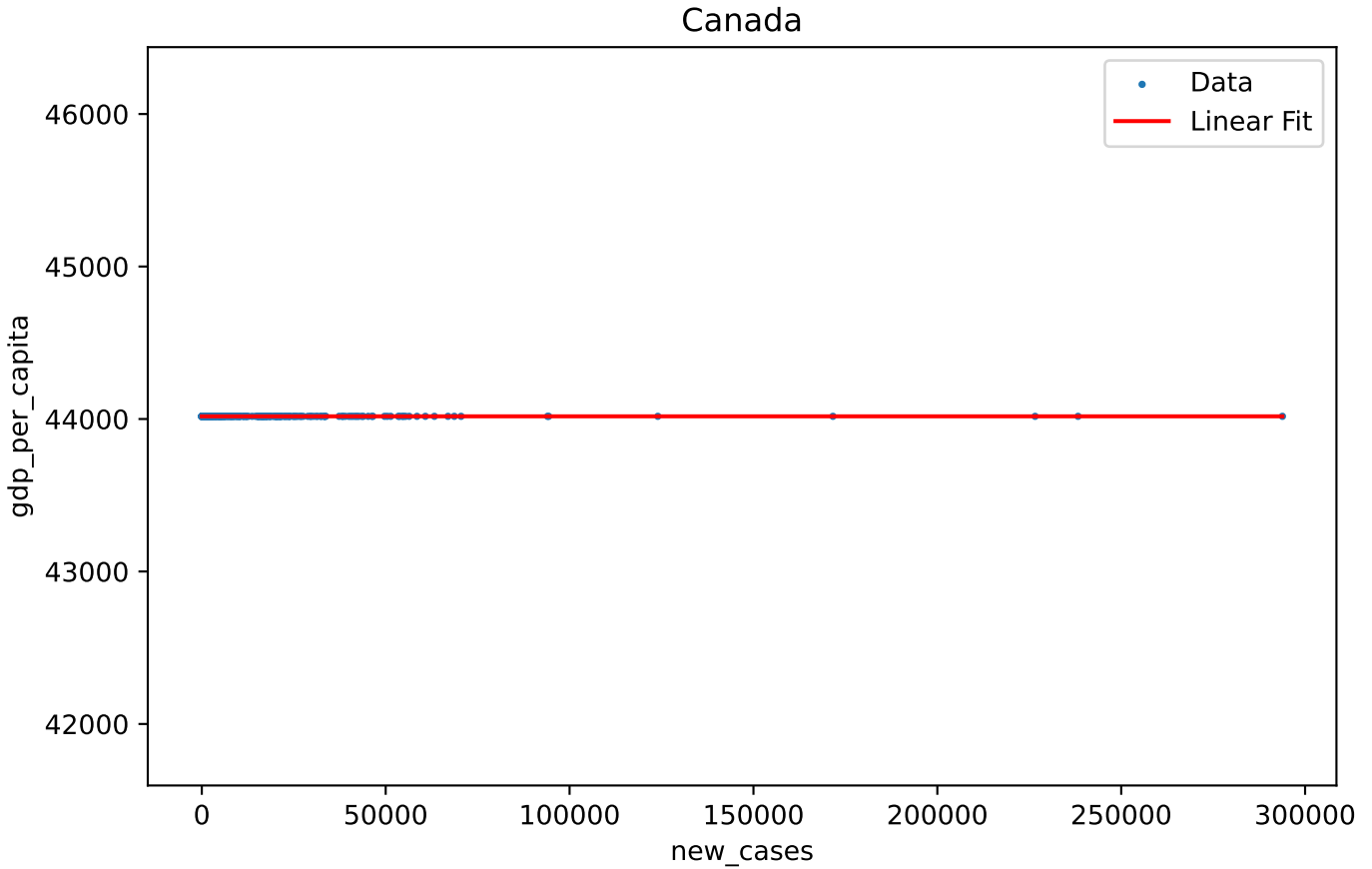

All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
aged_70_older
16
14
12
10
8
6
4
0
2000
4000
6000
8000
10000
12000
new_deaths

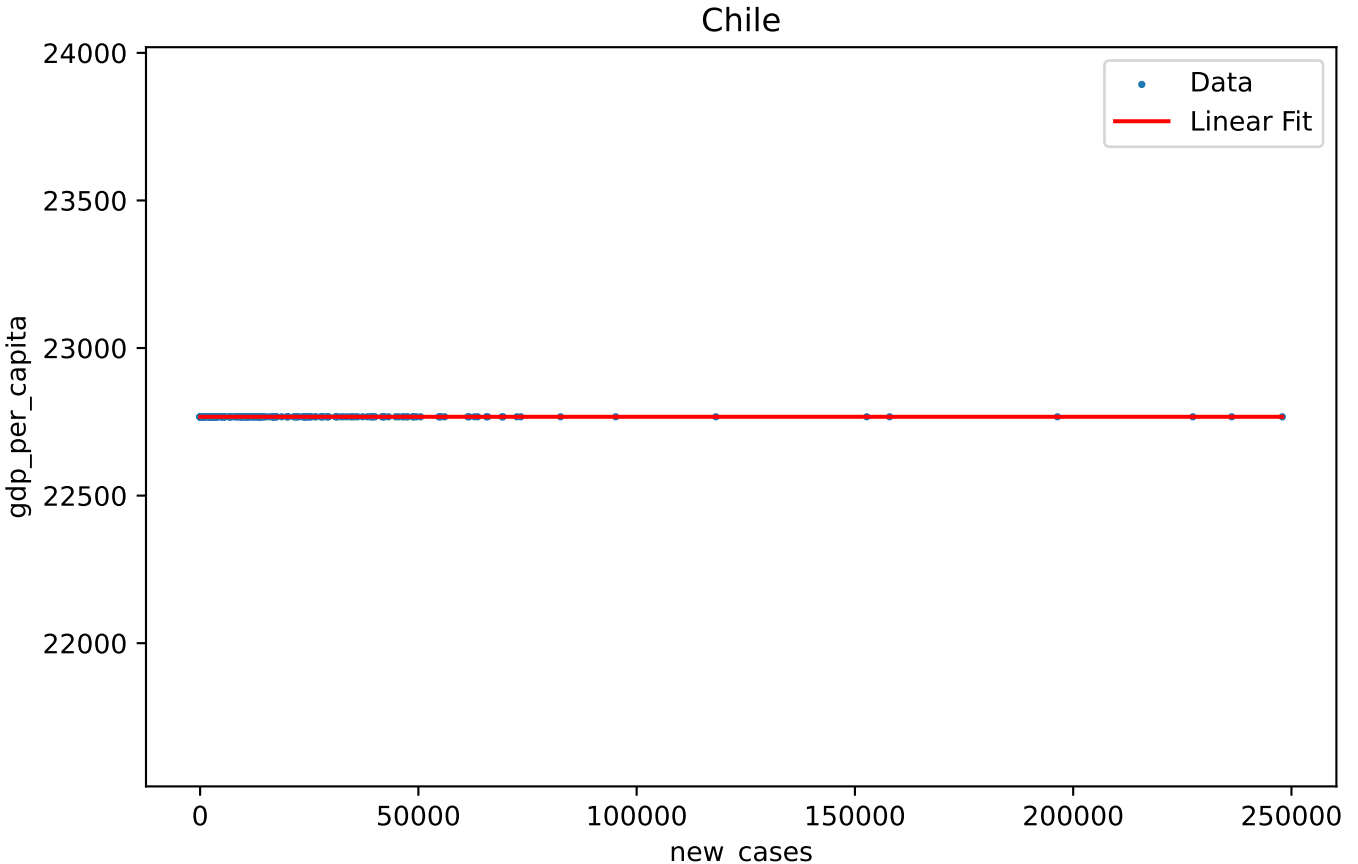

South Africa
Data
Linear Fit
12800
12600
12400
12200
12000
11800
gdp_per_capita
0
20000
40000
60000
80000
100000
120000
140000
160000
new_cases

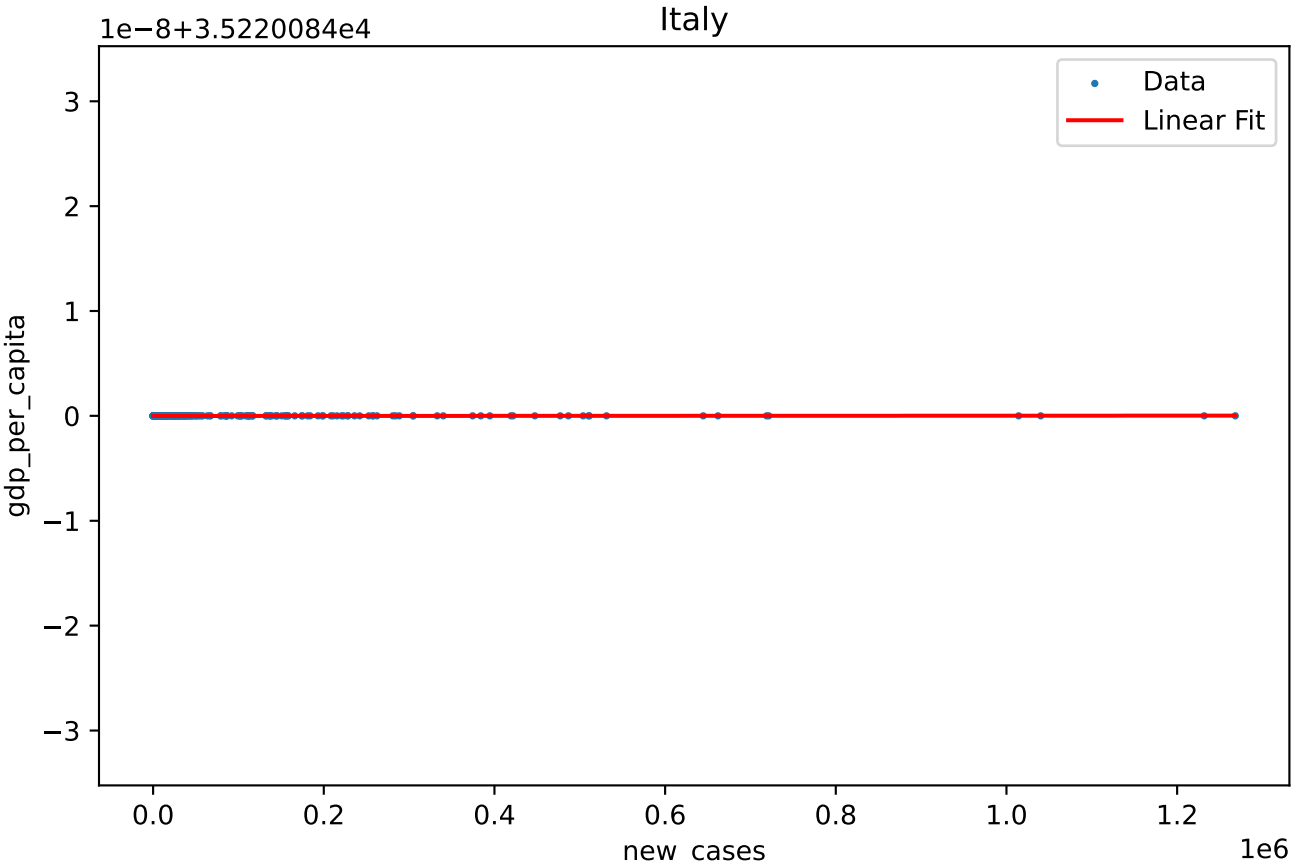

Malaysia
1e−8+2.6808164e4
Data
Linear Fit
gdp_per_capita
new_cases
2
1
0
−1
−2
0
25000
50000
75000
100000
125000
150000
175000
200000

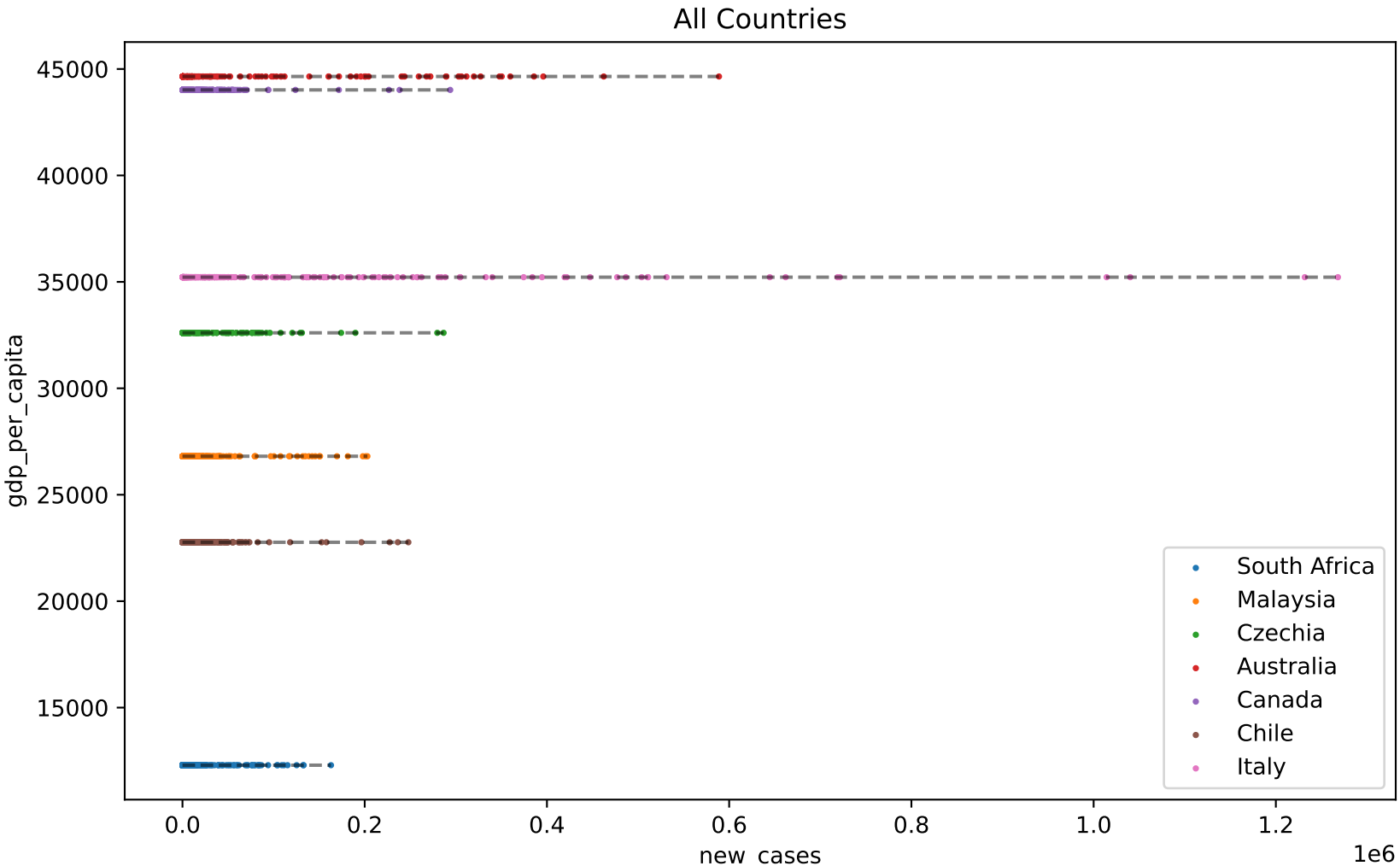

Czechia
Data
Linear Fit
34000
33500
33000
32500
32000
31500
31000
gdp_per_capita
0
50000
100000
150000
200000
250000
300000
new_cases

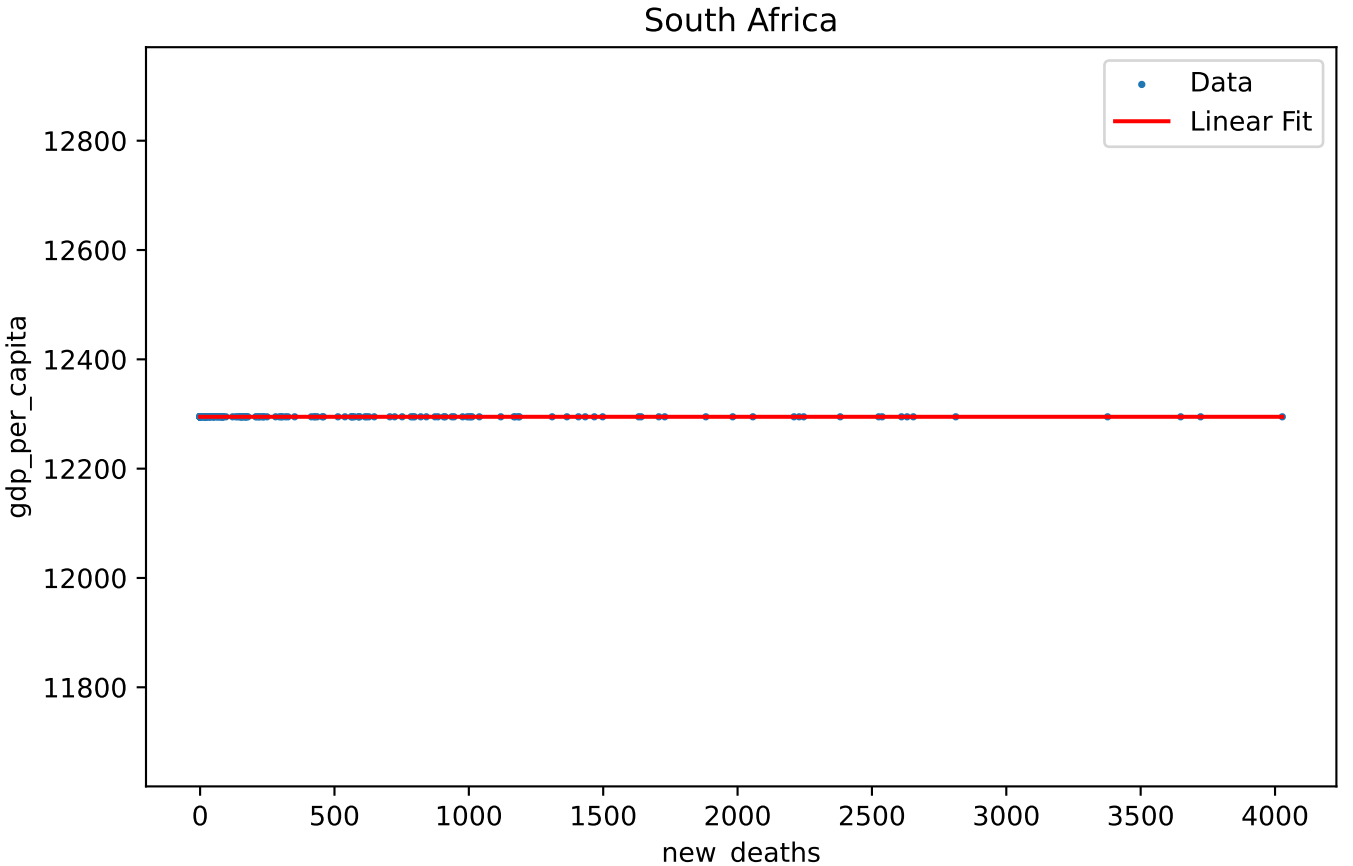

Australia
1e−8+4.464871e4
Data
Linear Fit
gdp_per_capita
new_cases
4
3
2
1
0
−1
−2
−3
−4
0
100000
200000
300000
400000
500000
600000

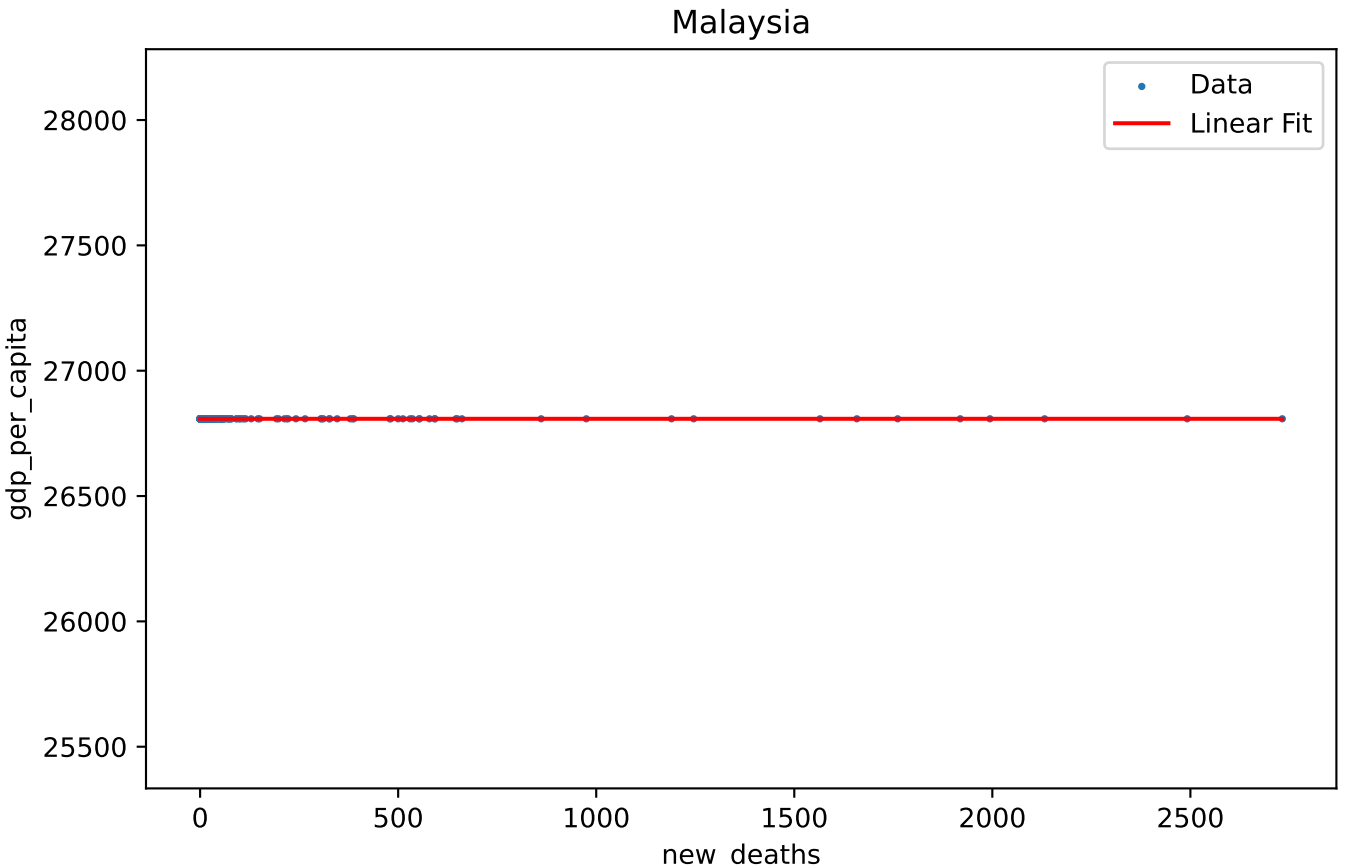

Canada
Data
Linear Fit
46000
45000
44000
43000
42000
gdp_per_capita
0
50000
100000
150000
200000
250000
300000
new_cases

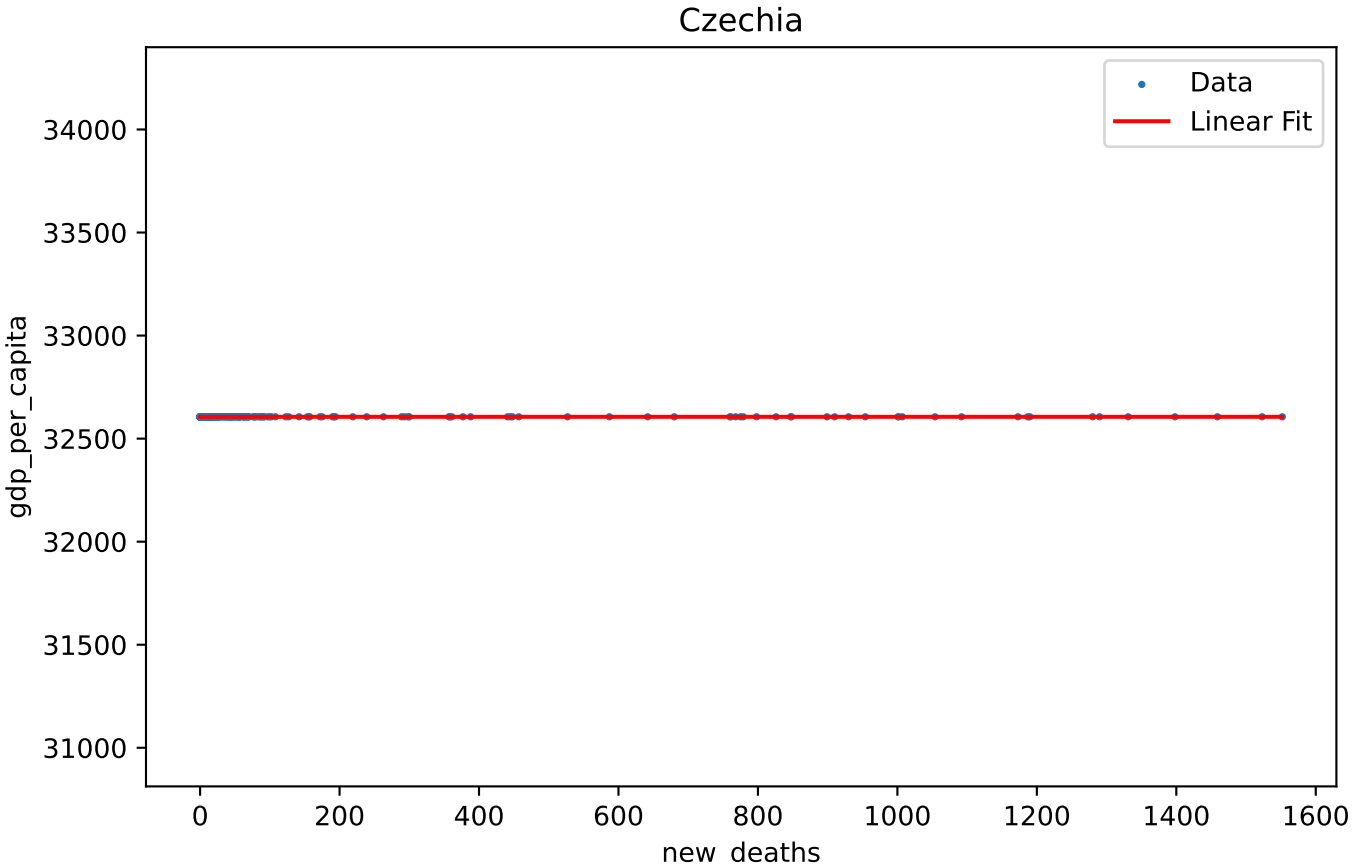

Chile
Data
Linear Fit
24000
23500
23000
22500
22000
gdp_per_capita
0
50000
100000
150000
200000
250000
new_cases

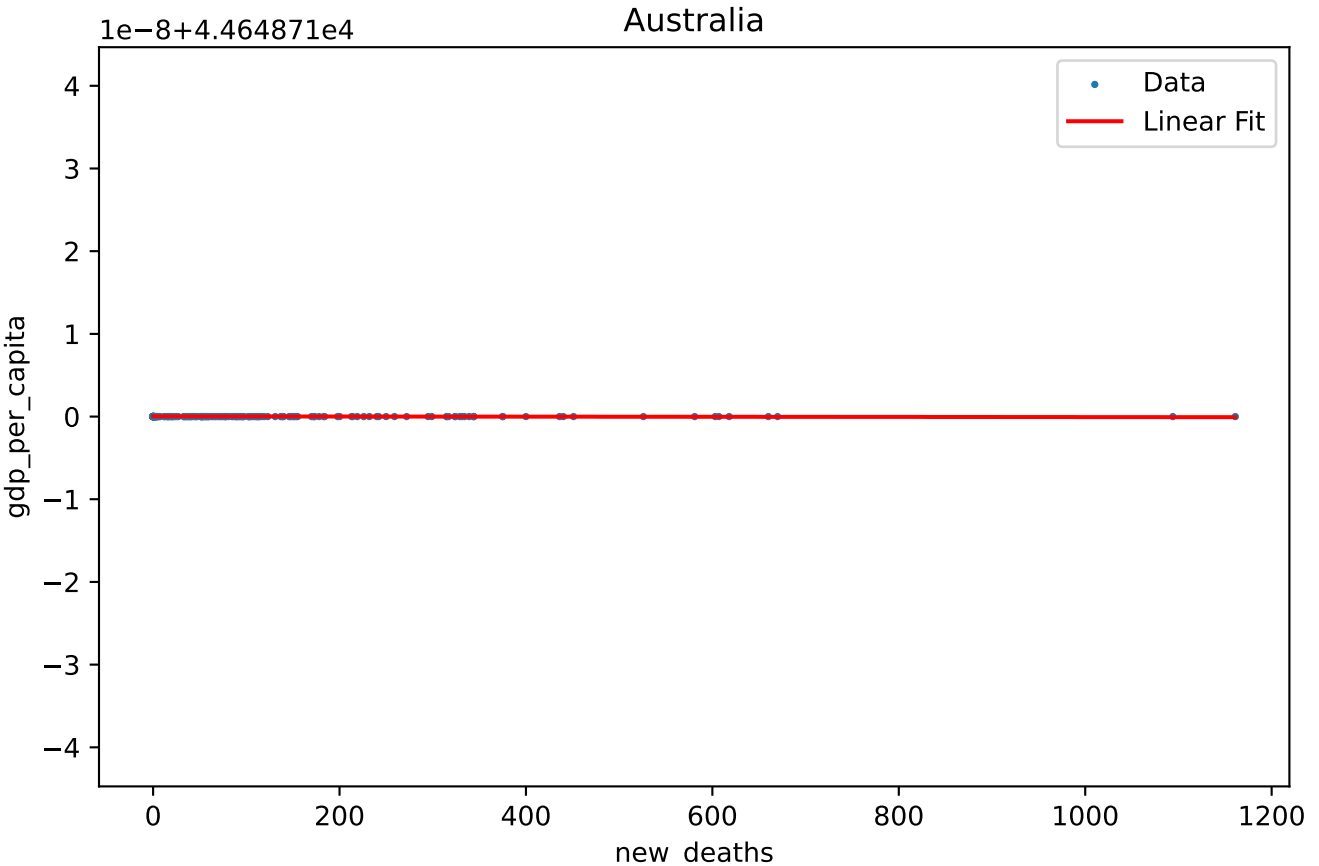

Italy
1e−8+3.5220084e4
Data
Linear Fit
gdp_per_capita
3
2
1
0
−1
−2
−3
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

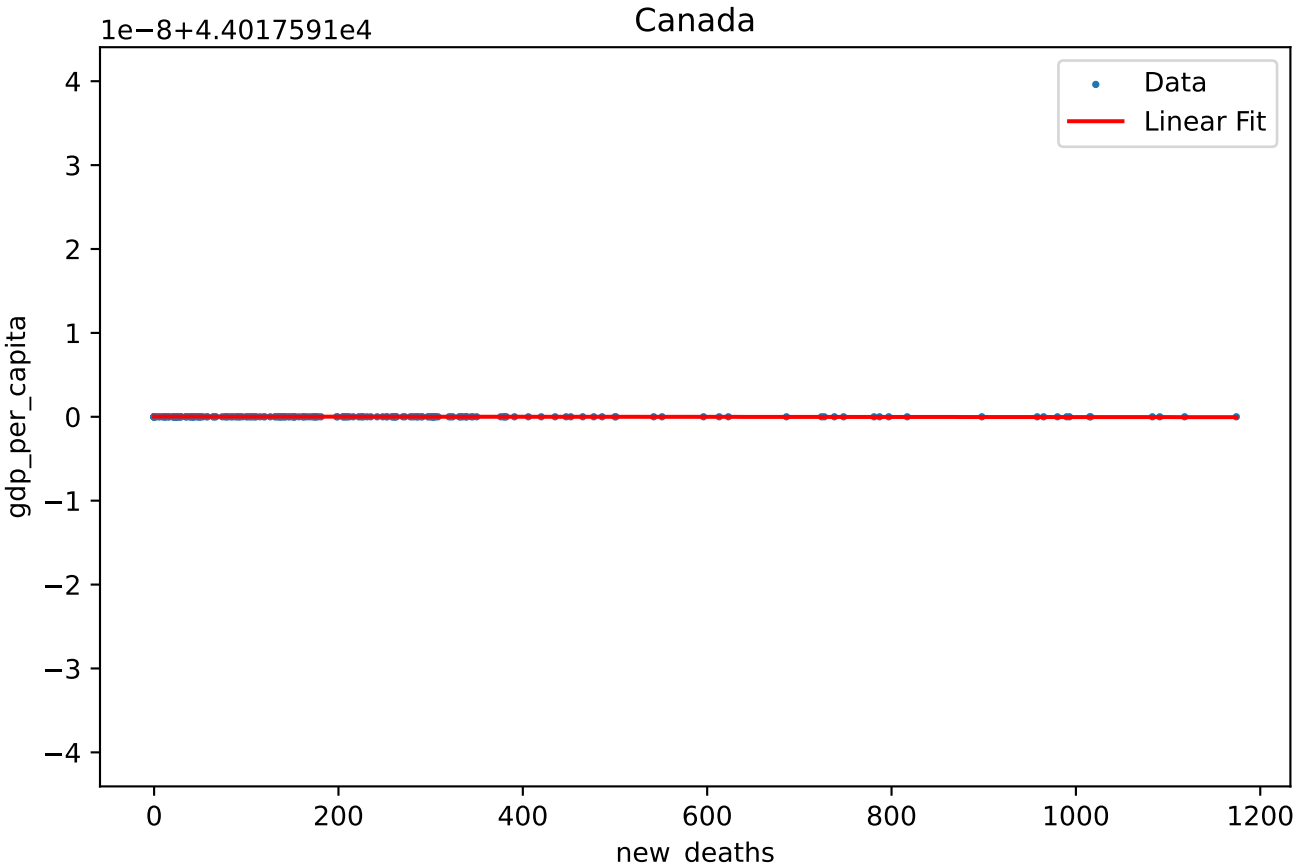

All Countries
gdp_per_capita
45000
40000
35000
30000
25000
20000
15000
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

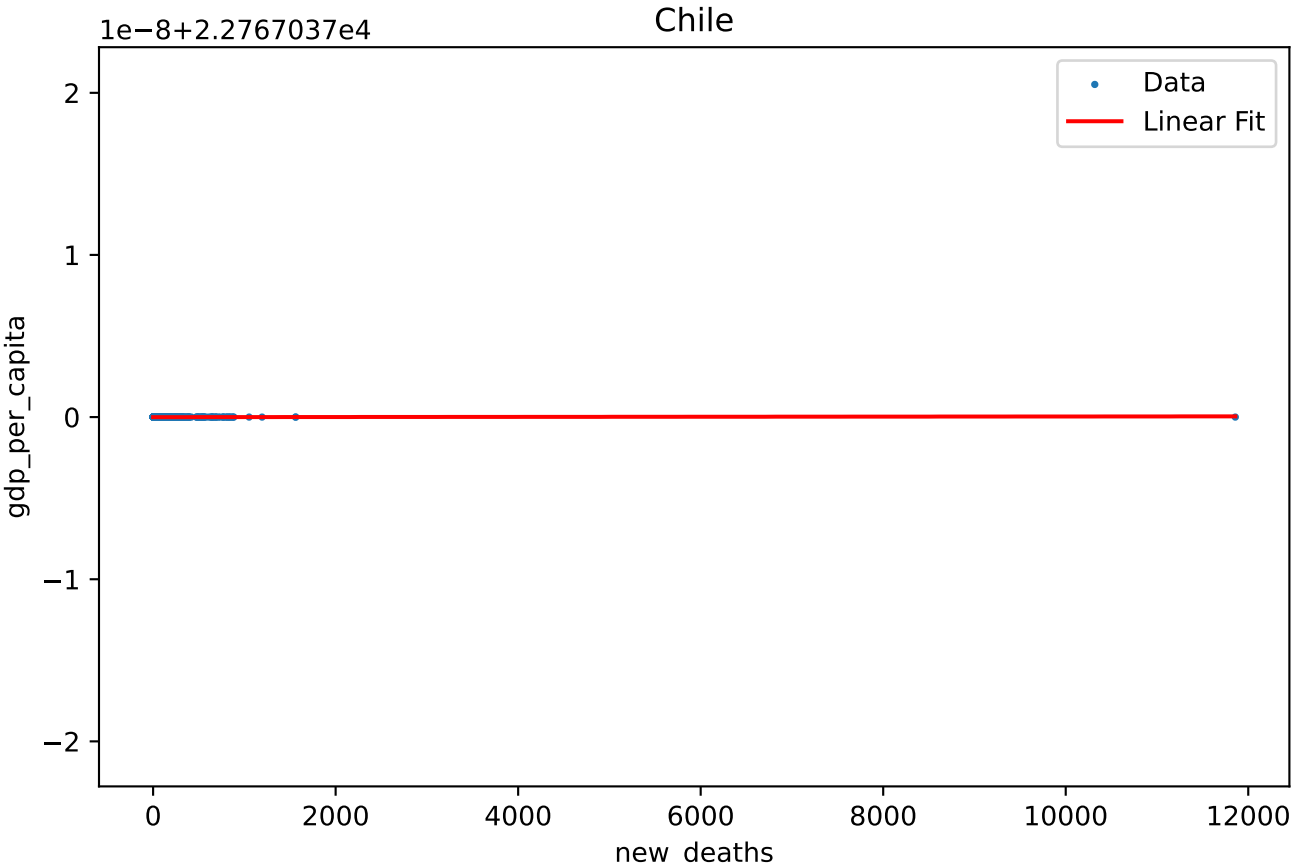

South Africa
Data
Linear Fit
12800
12600
12400
12200
12000
11800
gdp_per_capita
0
500
1000
1500
2000
2500
3000
3500
4000
new_deaths

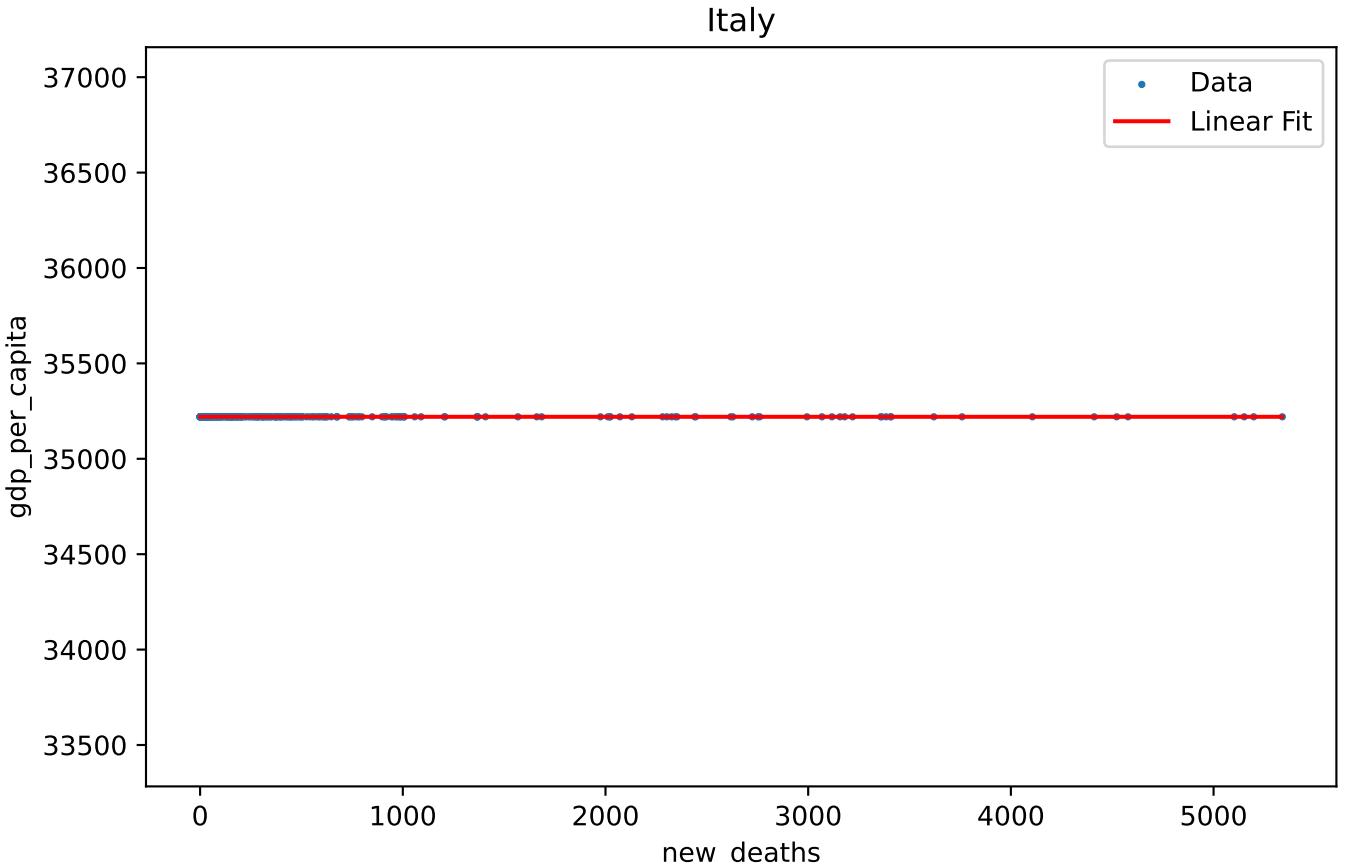

Malaysia
Data
Linear Fit
28000
27500
27000
26500
26000
25500
gdp_per_capita
0
500
1000
1500
2000
2500
new_deaths

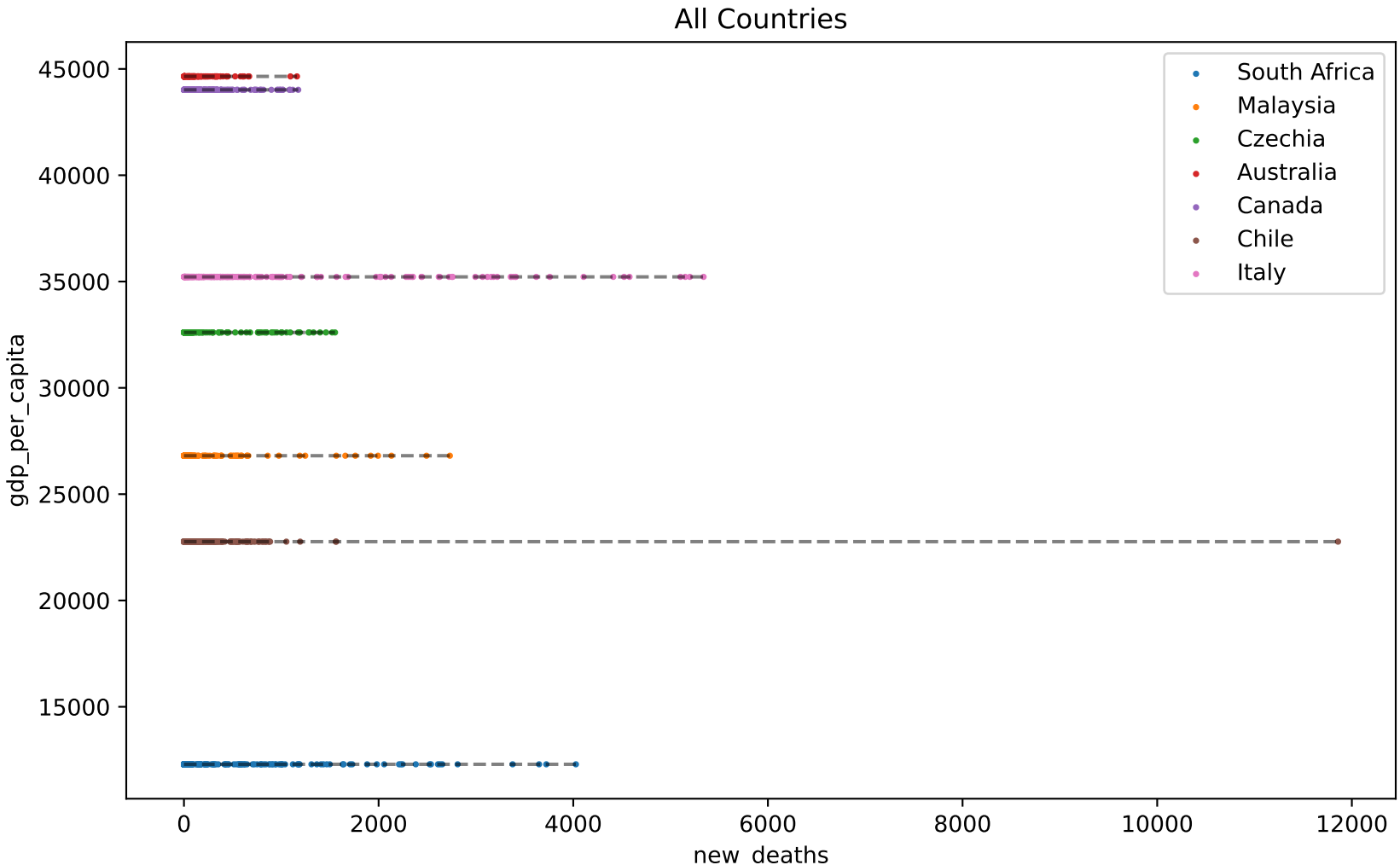

Czechia
Data
Linear Fit
34000
33500
33000
32500
32000
31500
31000
gdp_per_capita
0
200
400
600
800
1000
1200
1400
1600
new_deaths

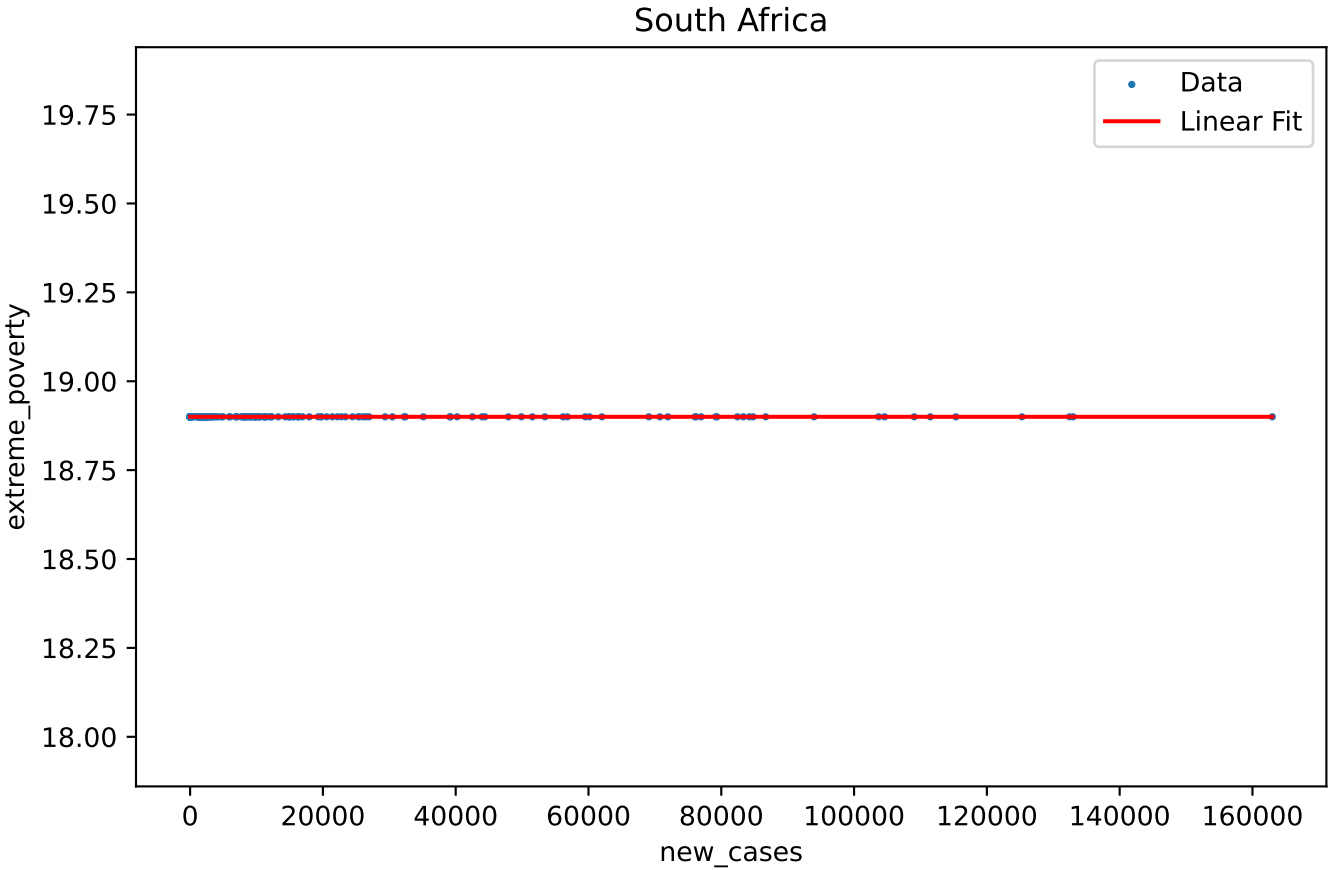

Australia
1e−8+4.464871e4
Data
Linear Fit
gdp_per_capita
new_deaths
4
3
2
1
0
−1
−2
−3
−4
0
200
400
600
800
1000
1200

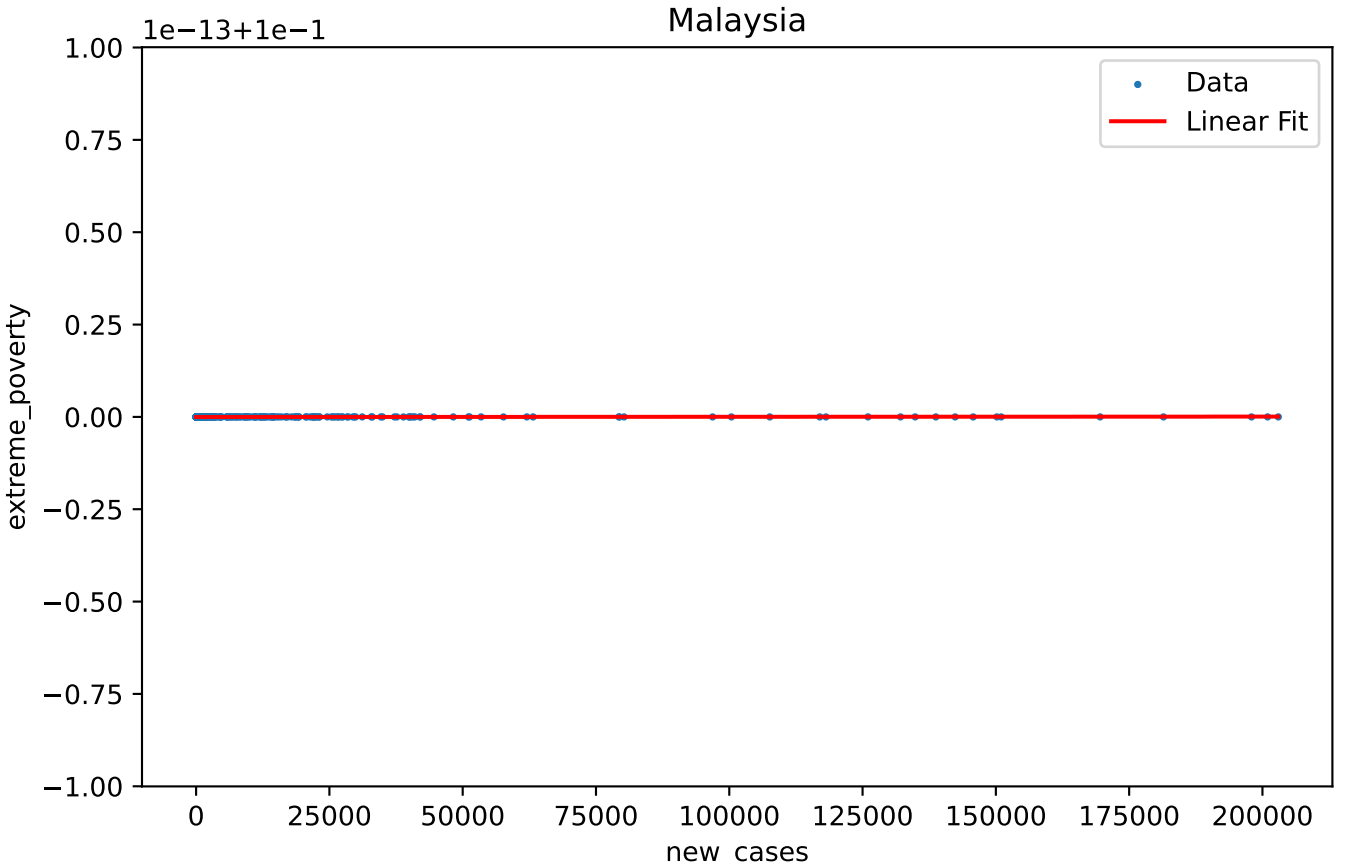

Canada
1e−8+4.4017591e4
Data
Linear Fit
gdp_per_capita
new_deaths
4
3
2
1
0
−1
−2
−3
−4
0
200
400
600
800
1000
1200

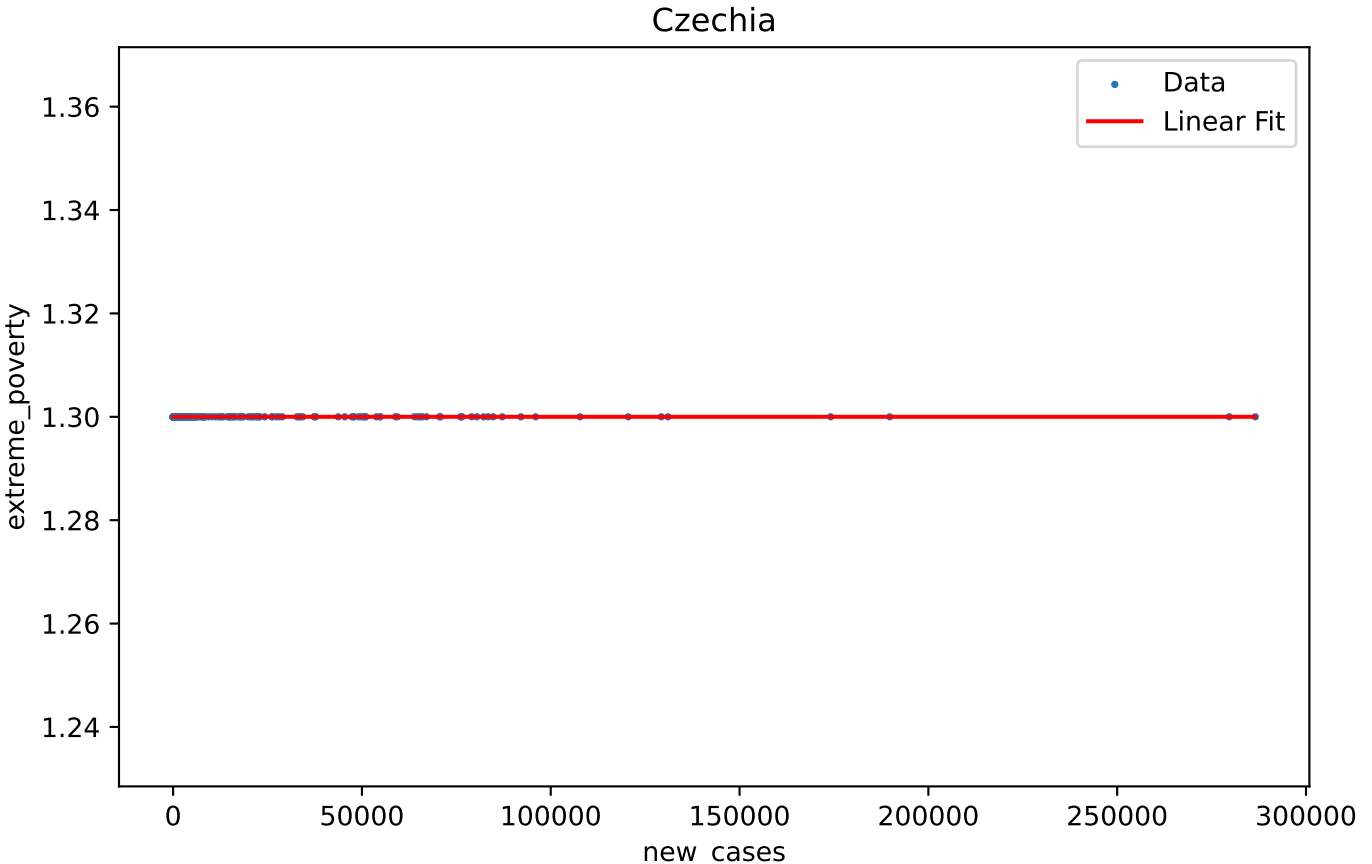

Chile
1e−8+2.2767037e4
Data
Linear Fit
gdp_per_capita
new_deaths
2
1
0
−1
−2
0
2000
4000
6000
8000
10000
12000

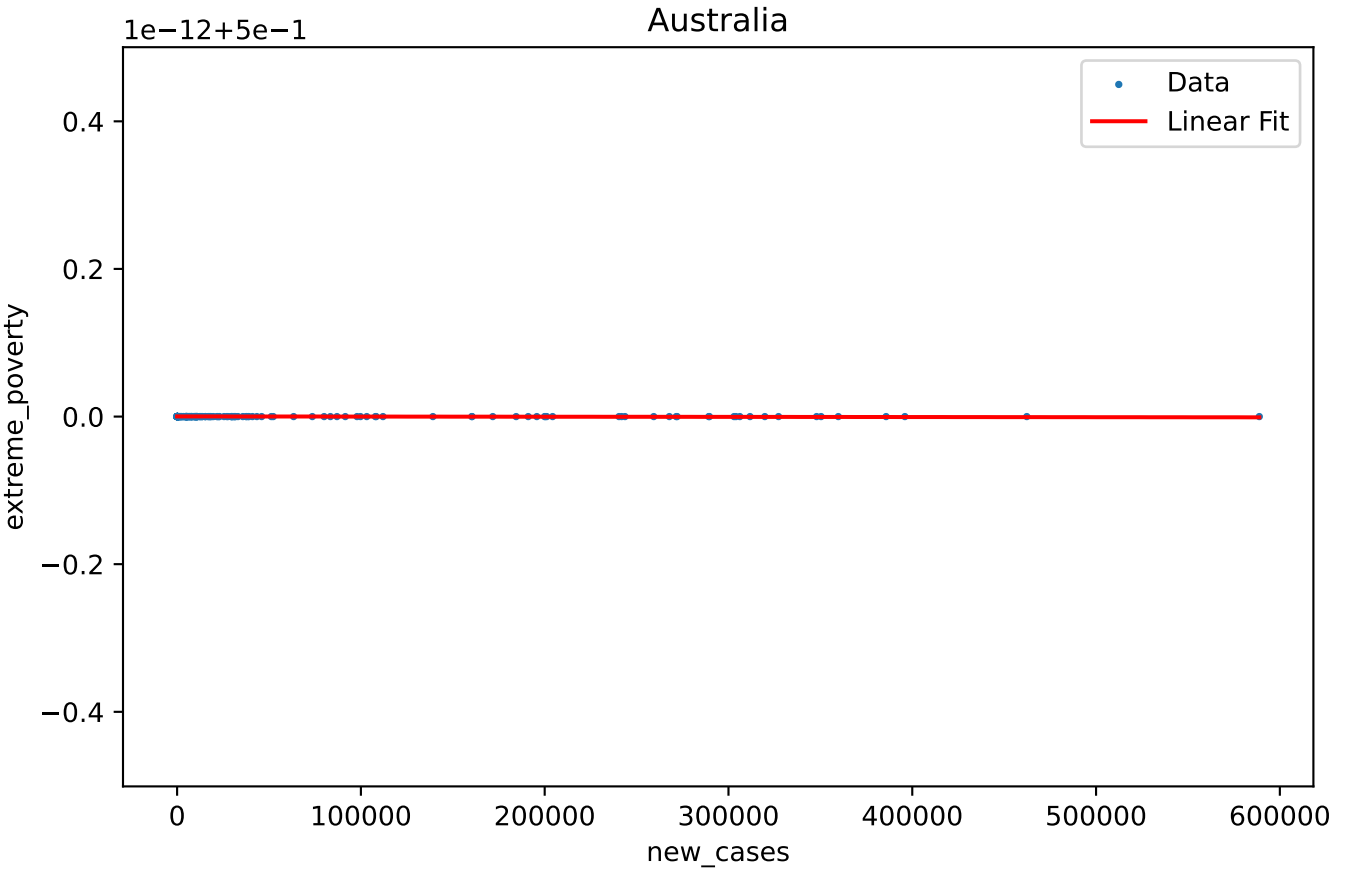

Italy
Data
Linear Fit
gdp_per_capita
37000
36500
36000
35500
35000
34500
34000
33500
0
1000
2000
3000
4000
5000
new_deaths

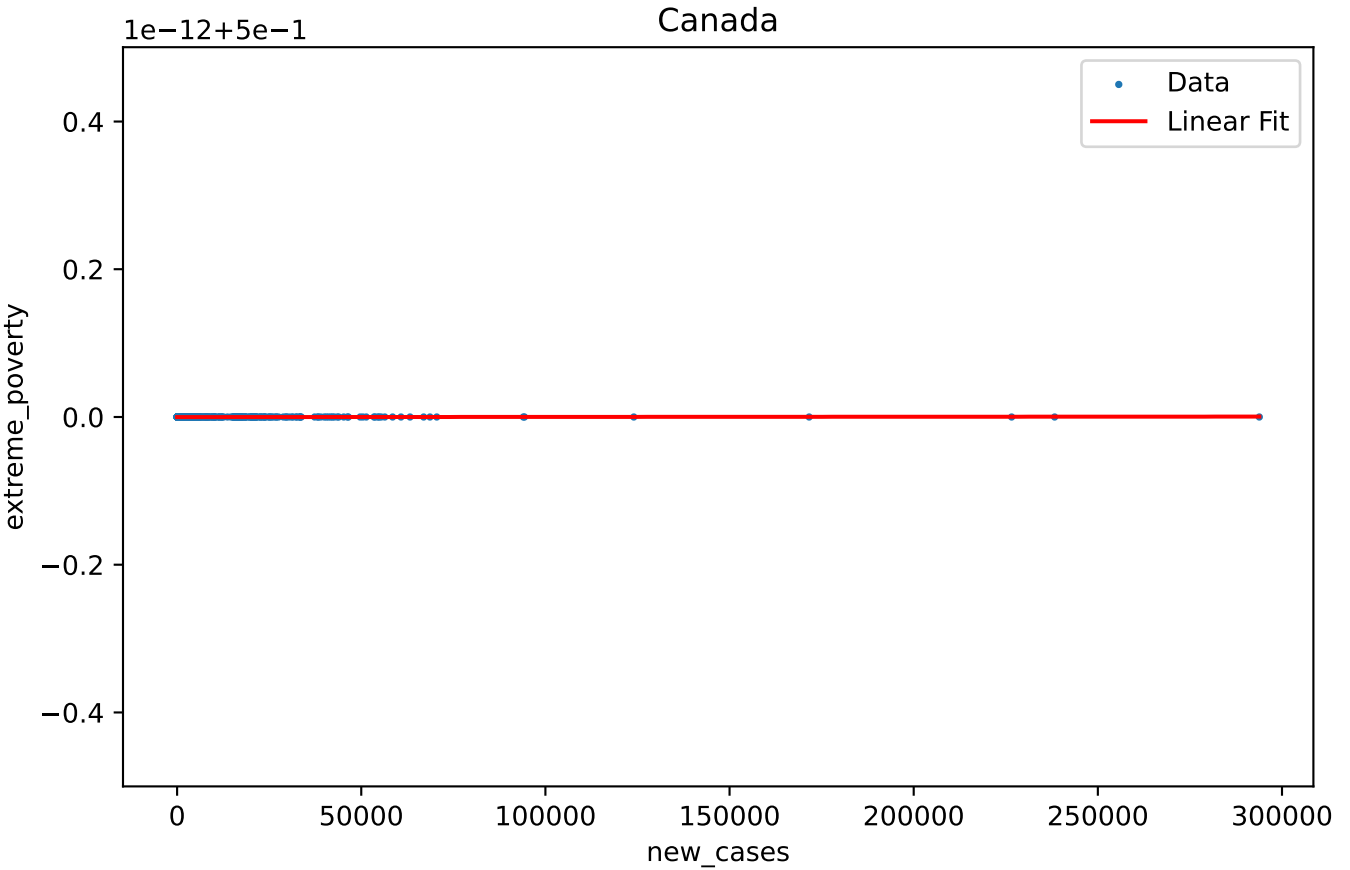

All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
45000
40000
35000
30000
25000
20000
15000
gdp_per_capita
0
2000
4000
6000
8000
10000
12000
new_deaths

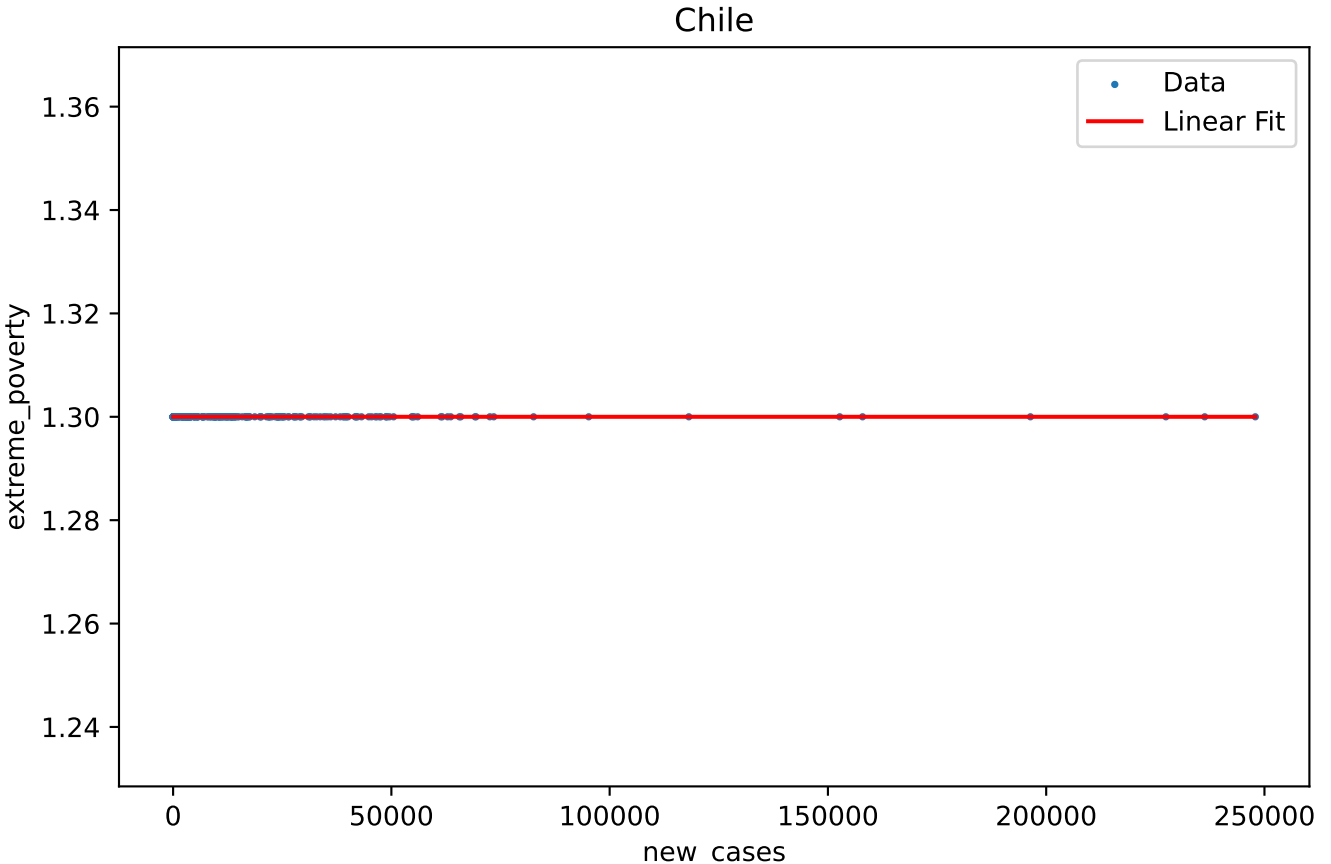

South Africa
Data
Linear Fit
19.75
19.50
19.25
19.00
18.75
18.50
18.25
18.00
extreme_poverty
0
20000
40000
60000
80000
100000
120000
140000
160000
new_cases

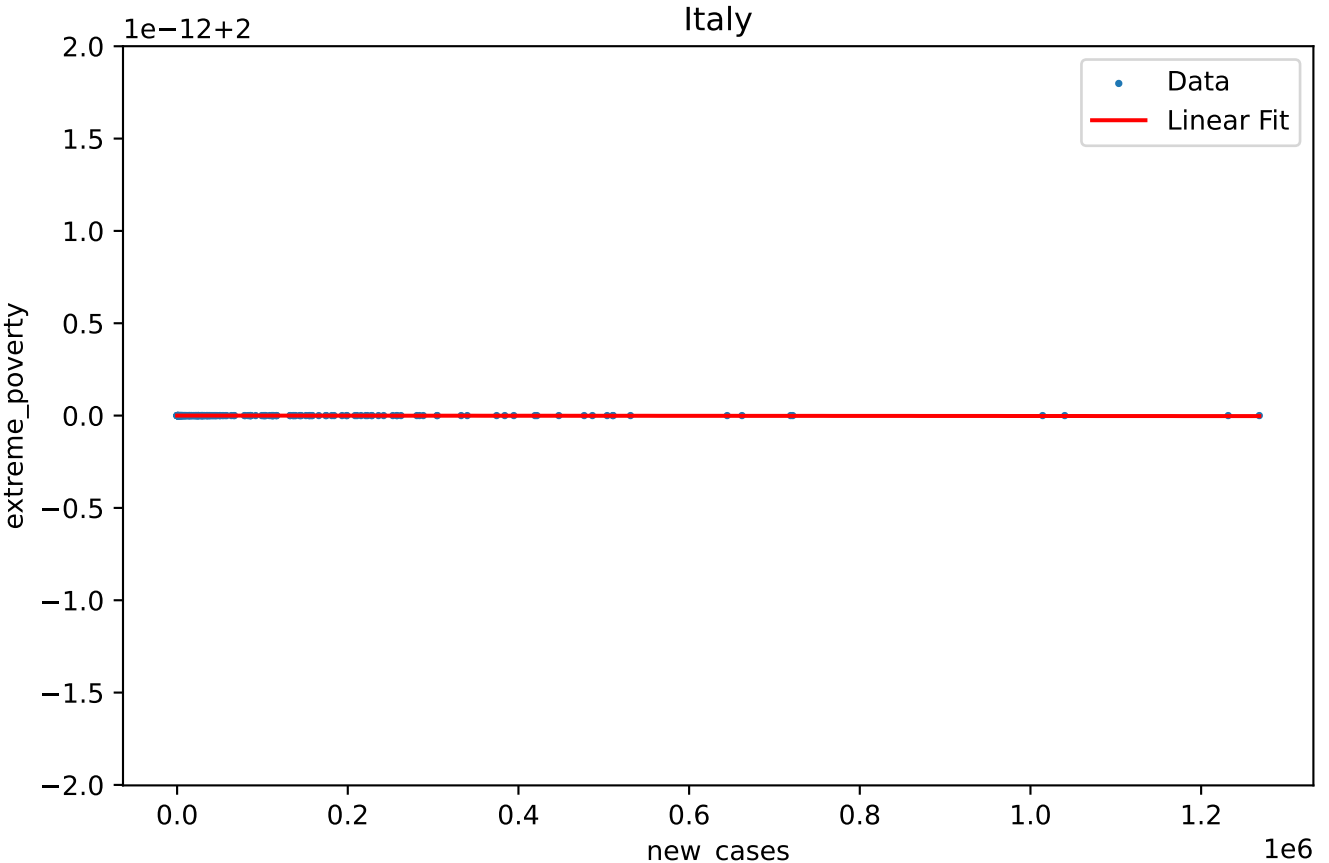

Malaysia
1e−13+1e−1
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
extreme_poverty
0
25000
50000
75000
100000
125000
150000
175000
200000
new_cases
Data
Linear Fit

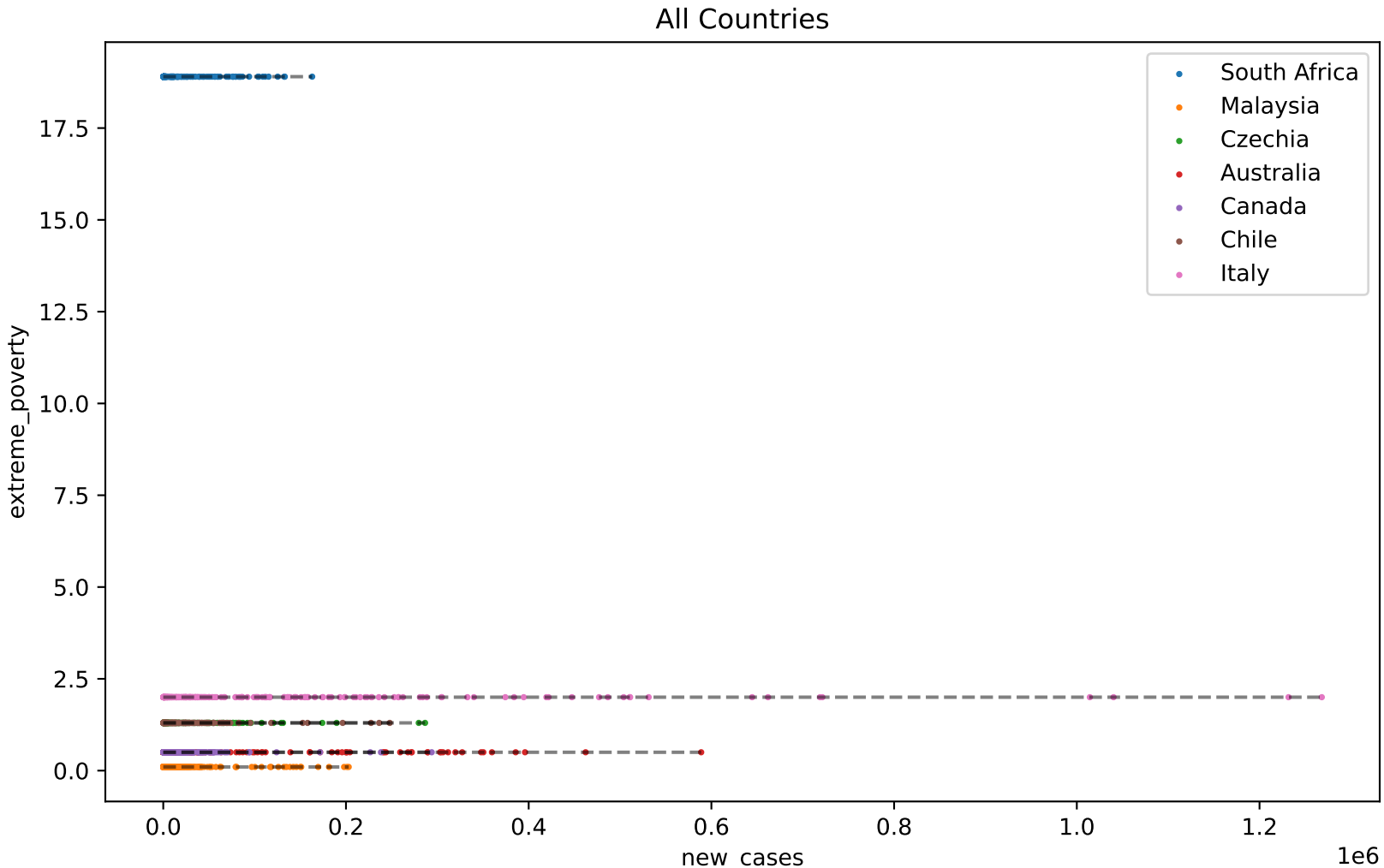

Czechia
Data
Linear Fit
1.36
1.34
1.32
1.30
1.28
1.26
1.24
extreme_poverty
0
50000
100000
150000
200000
250000
300000
new_cases

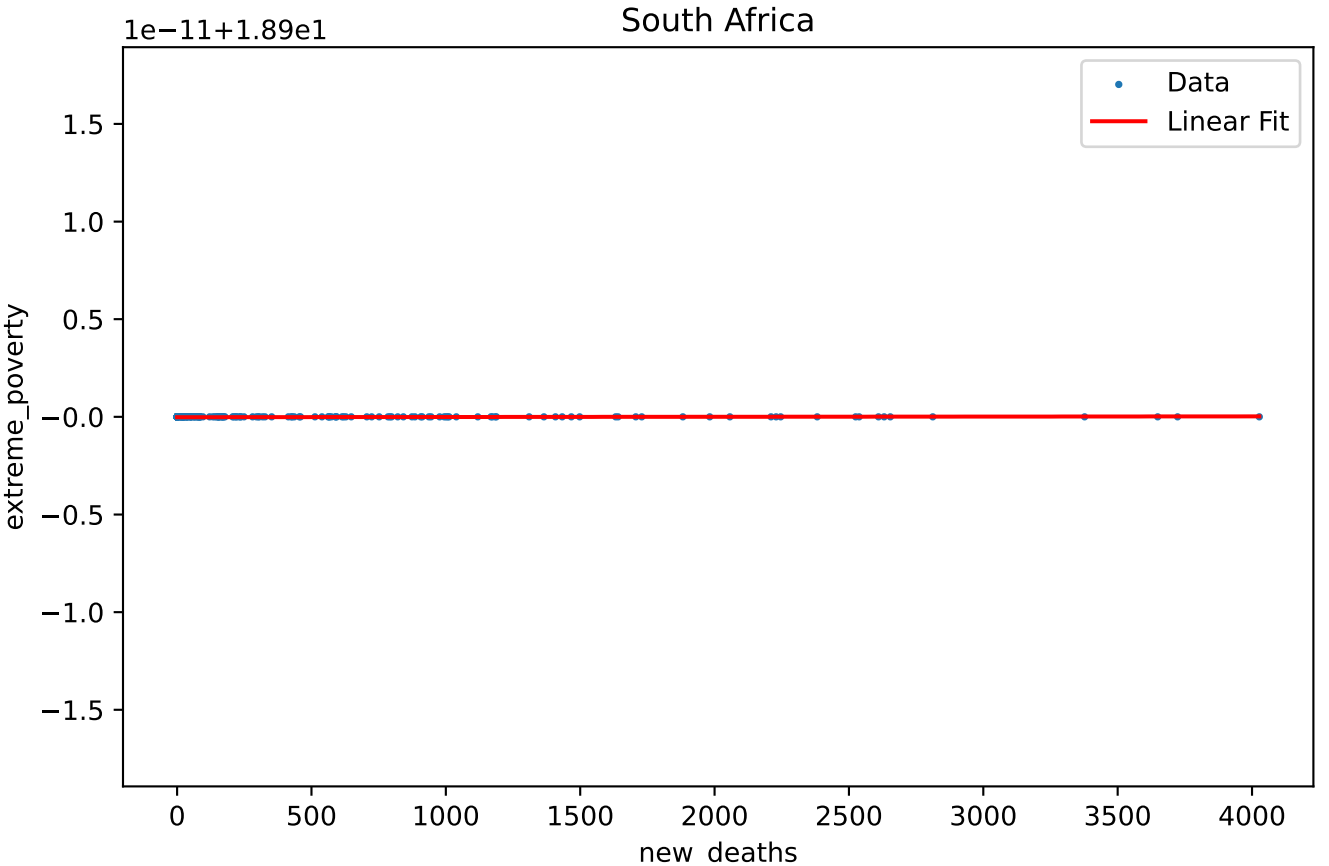

Australia
1e−12+5e−1
Data
Linear Fit
0.4
0.2
0.0
−0.2
−0.4
extreme_poverty
0
100000
200000
300000
400000
500000
600000
new_cases

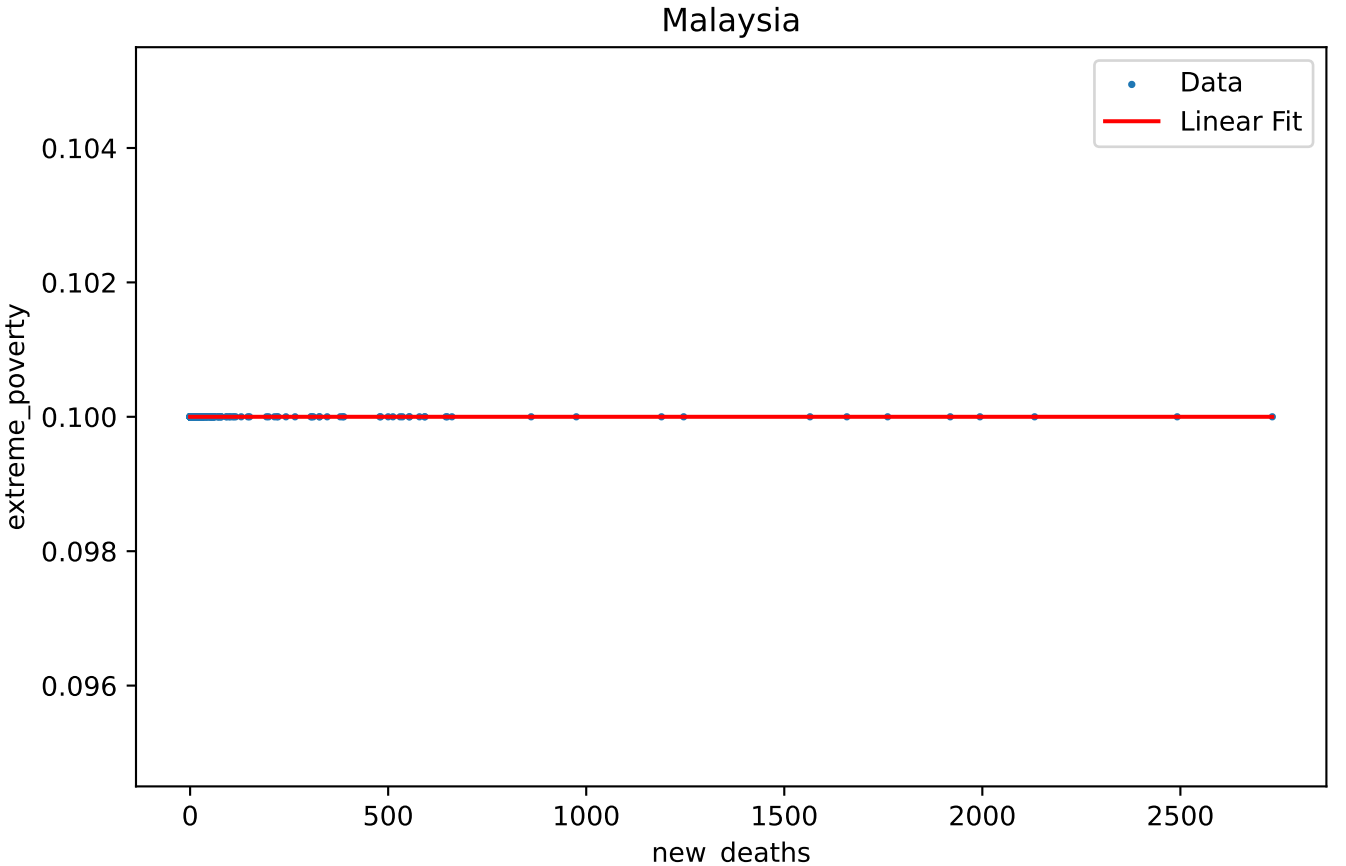

Canada
1e−12+5e−1
Data
Linear Fit
0.4
0.2
0.0
−0.2
−0.4
extreme_poverty
0
50000
100000
150000
200000
250000
300000
new_cases

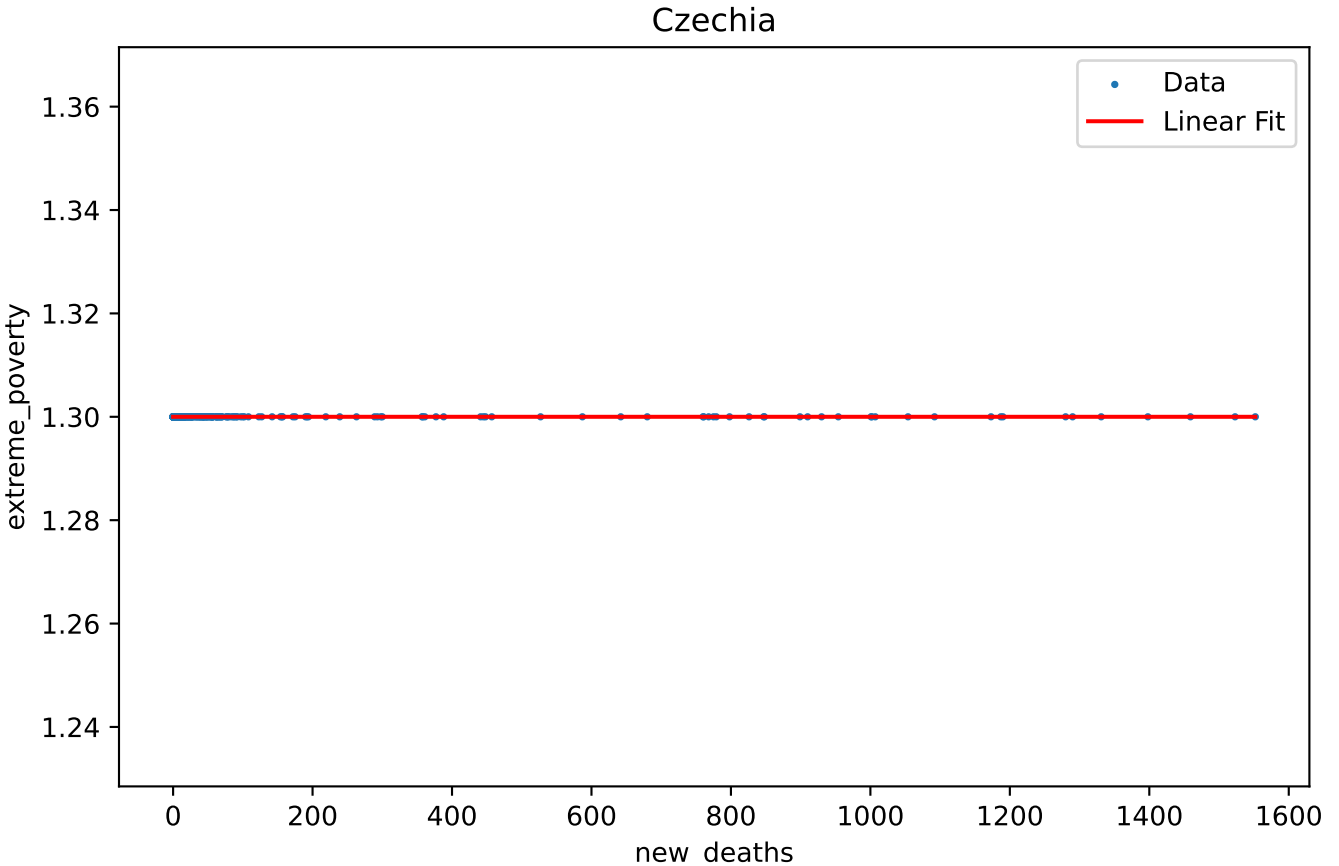

Chile
Data
Linear Fit
1.36
1.34
1.32
1.30
1.28
1.26
1.24
extreme_poverty
0
50000
100000
150000
200000
250000
new_cases

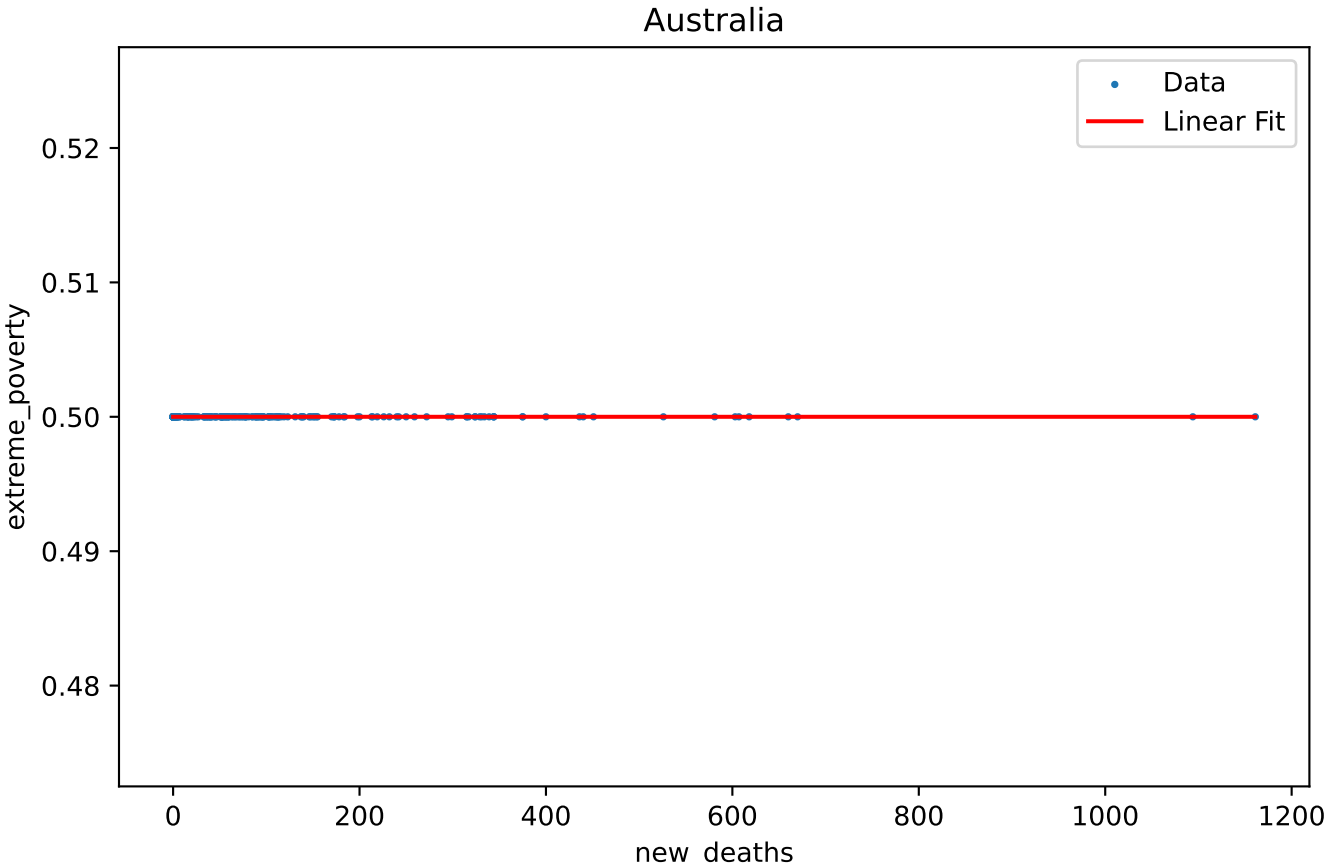

Italy
1e−12+2
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
extreme_poverty
Data
Linear Fit
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

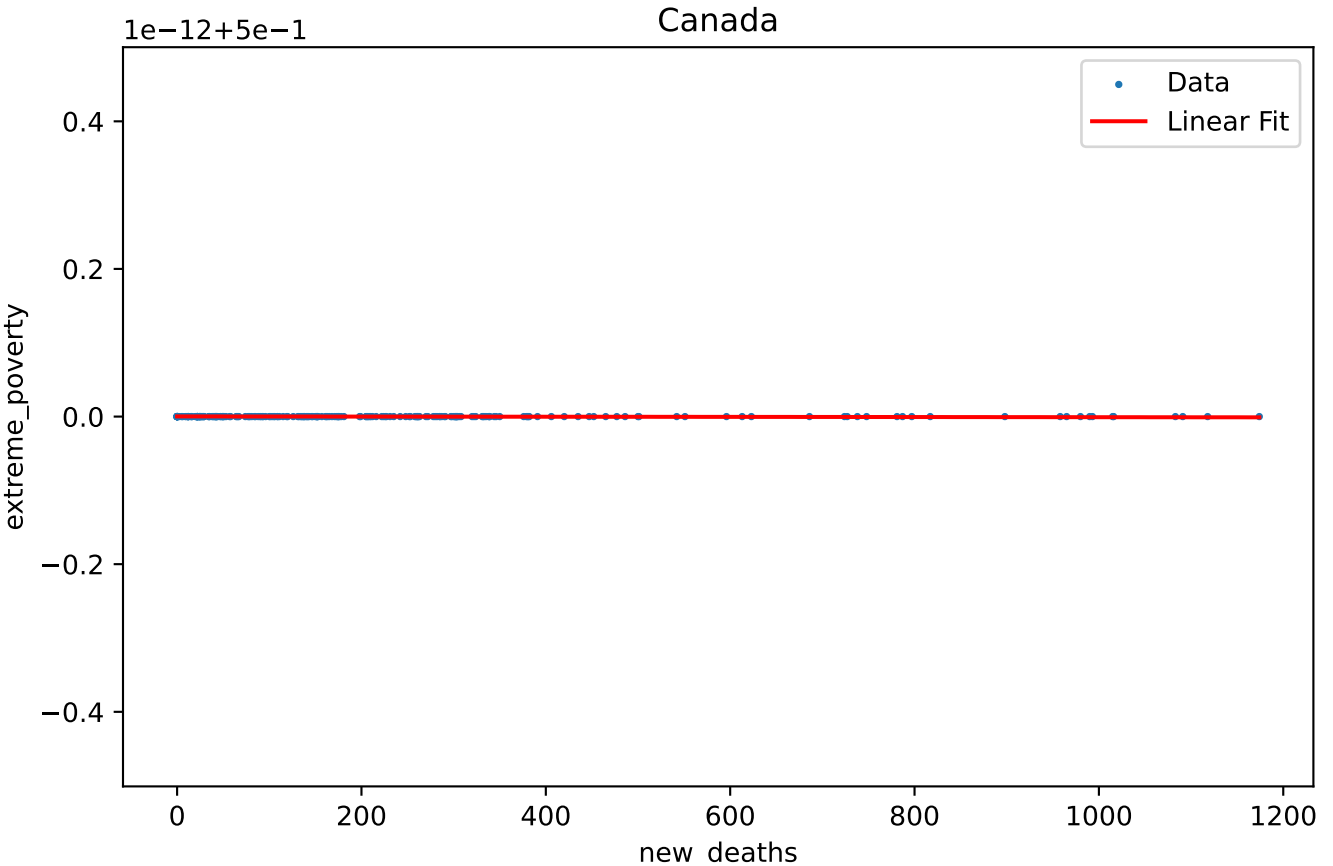

All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
extreme_poverty
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
new_cases
1e6

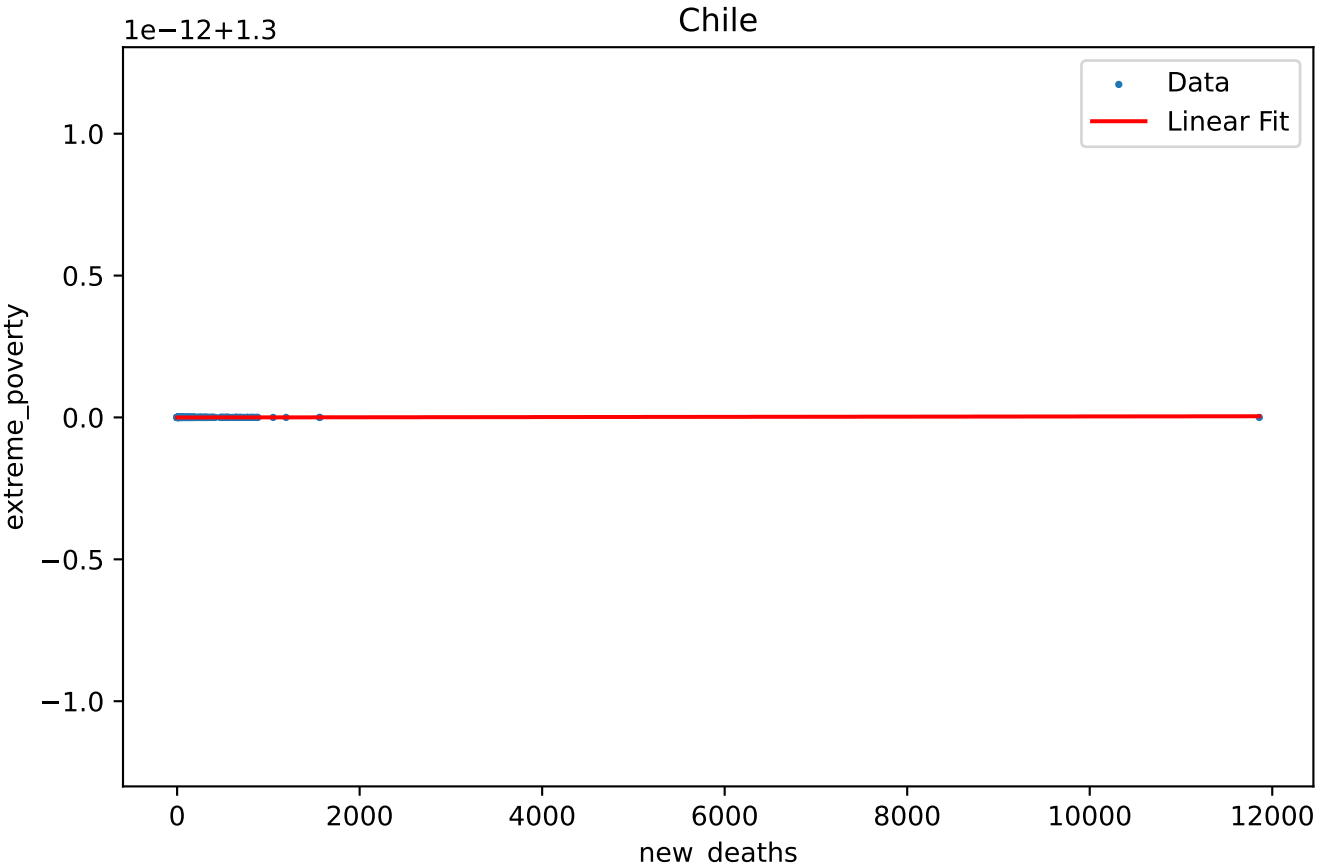

South Africa
1e−11+1.89e1
Data
Linear Fit
1.5
1.0
0.5
−0.0
−0.5
−1.0
−1.5
extreme_poverty
0
500
1000
1500
2000
2500
3000
3500
4000
new_deaths

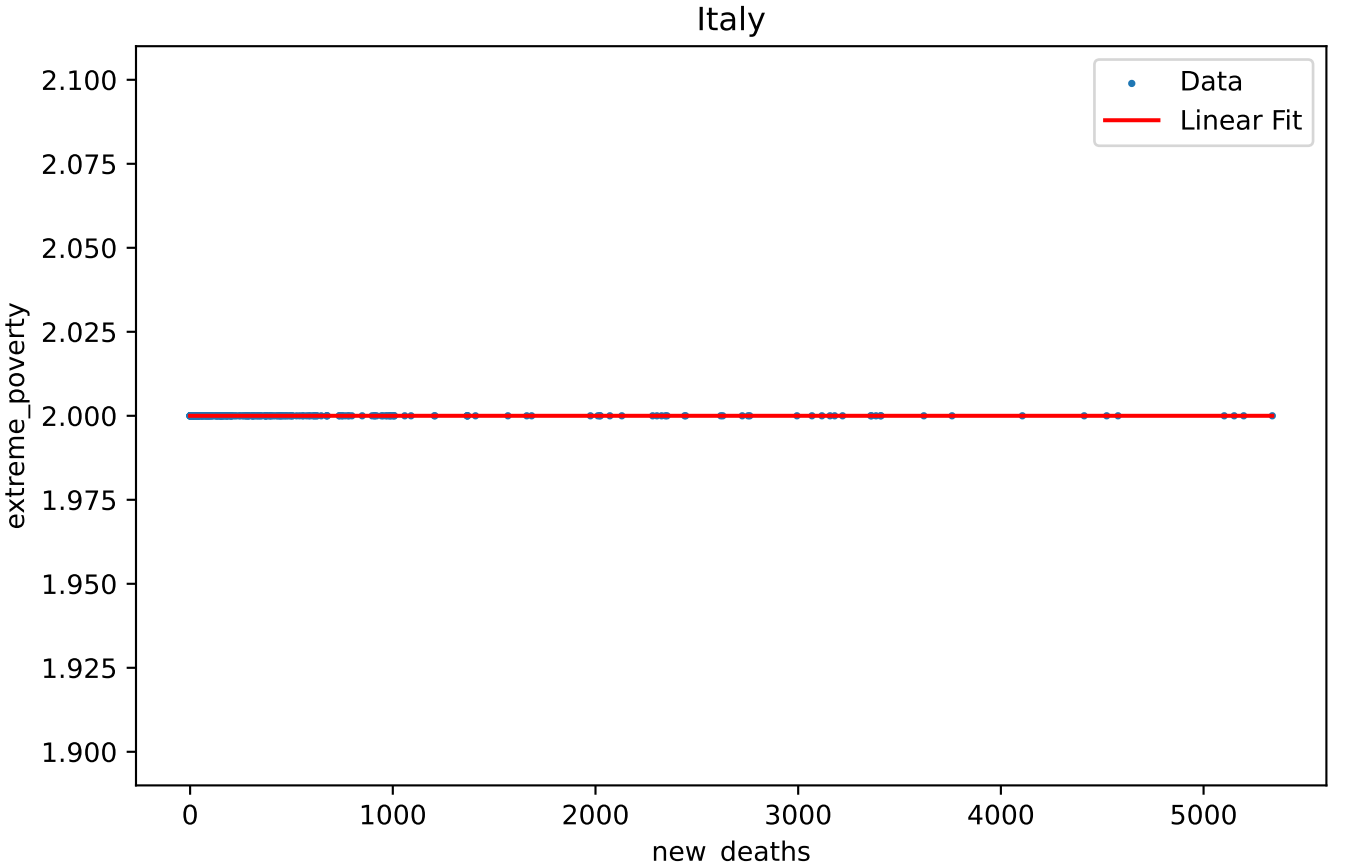

Malaysia
Data
Linear Fit
0.104
0.102
0.100
0.098
0.096
extreme_poverty
0
500
1000
1500
2000
2500
new_deaths

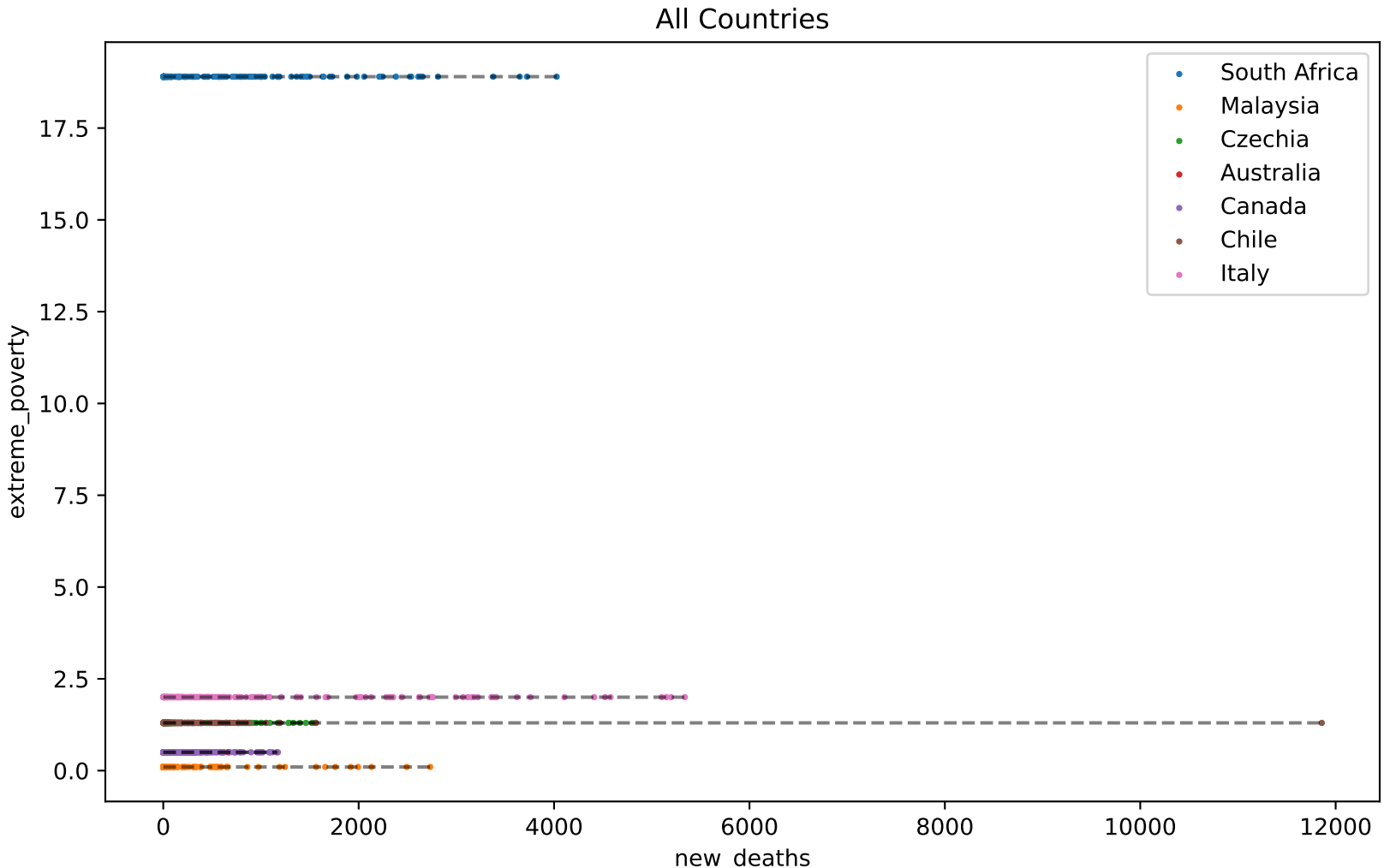

Czechia
Data
Linear Fit
1.36
1.34
1.32
1.30
1.28
1.26
1.24
extreme_poverty
0
200
400
600
800
1000
1200
1400
1600
new_deaths

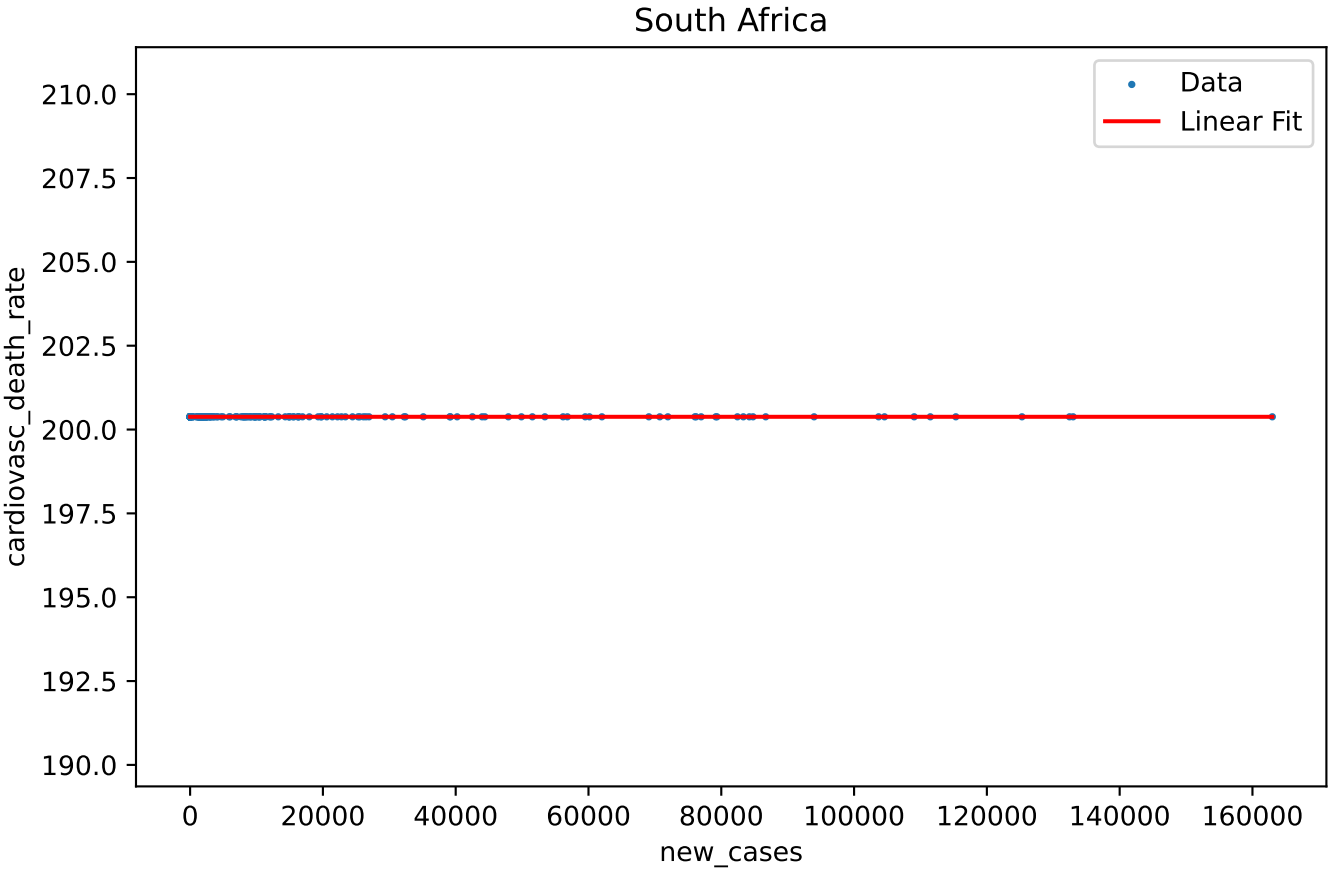

Australia
Data
Linear Fit
0.52
0.51
0.50
0.49
0.48
extreme_poverty
0
200
400
600
800
1000
1200
new_deaths

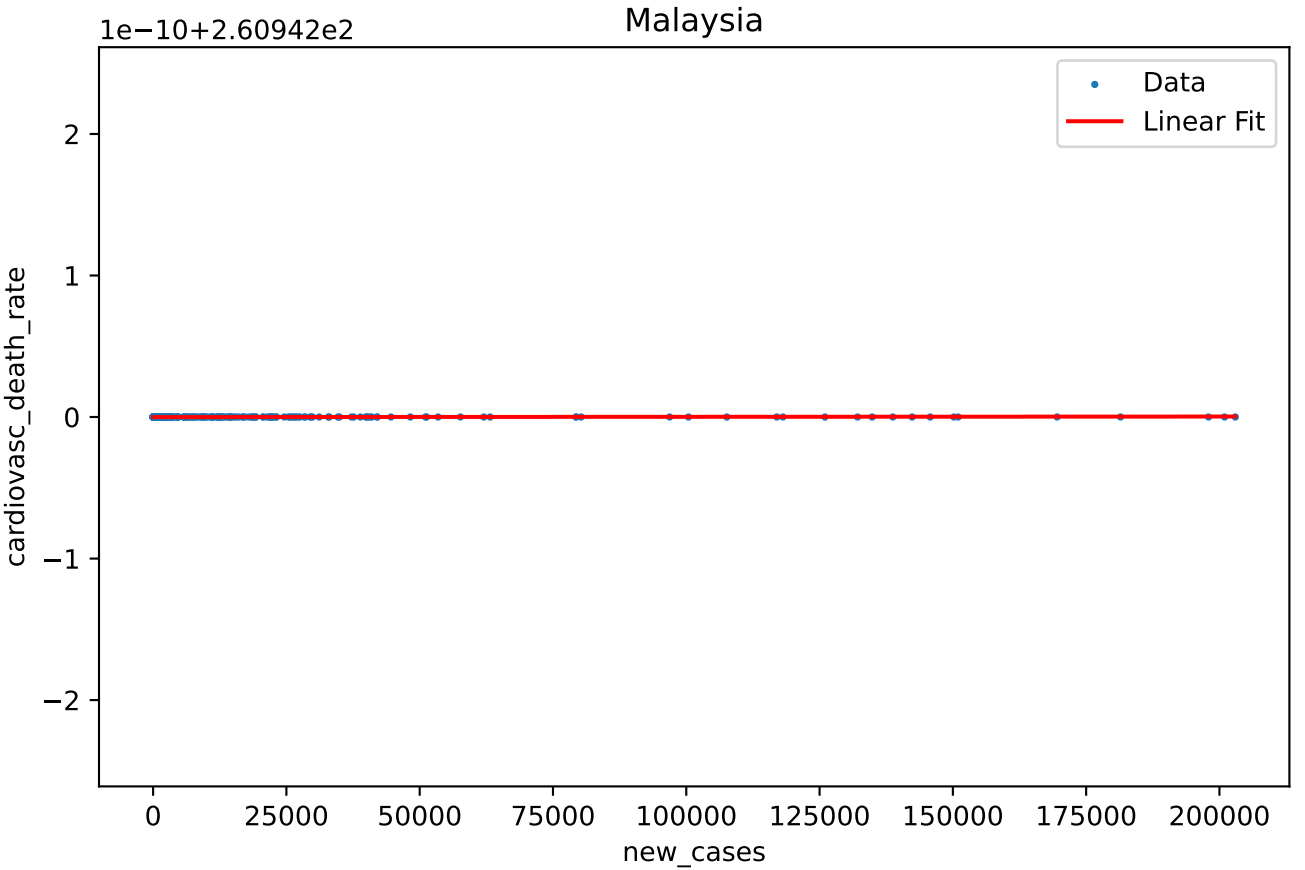

Canada
1e−12+5e−1
Data
Linear Fit
0.4
0.2
0.0
−0.2
−0.4
extreme_poverty
0
200
400
600
800
1000
1200
new_deaths

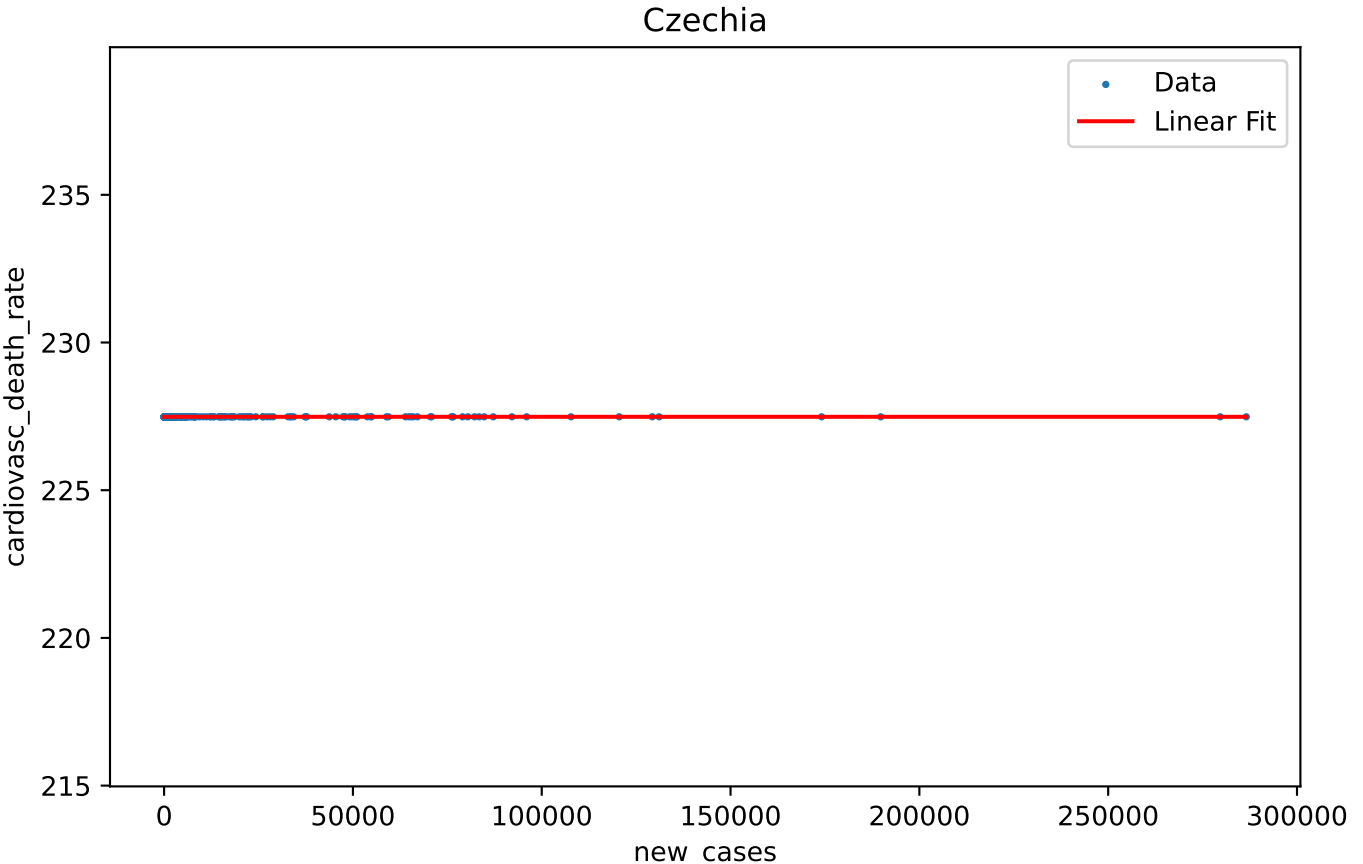

Chile
1e−12+1.3
Data
Linear Fit
1.0
0.5
0.0
−0.5
−1.0
extreme_poverty
0
2000
4000
6000
8000
10000
12000
new_deaths

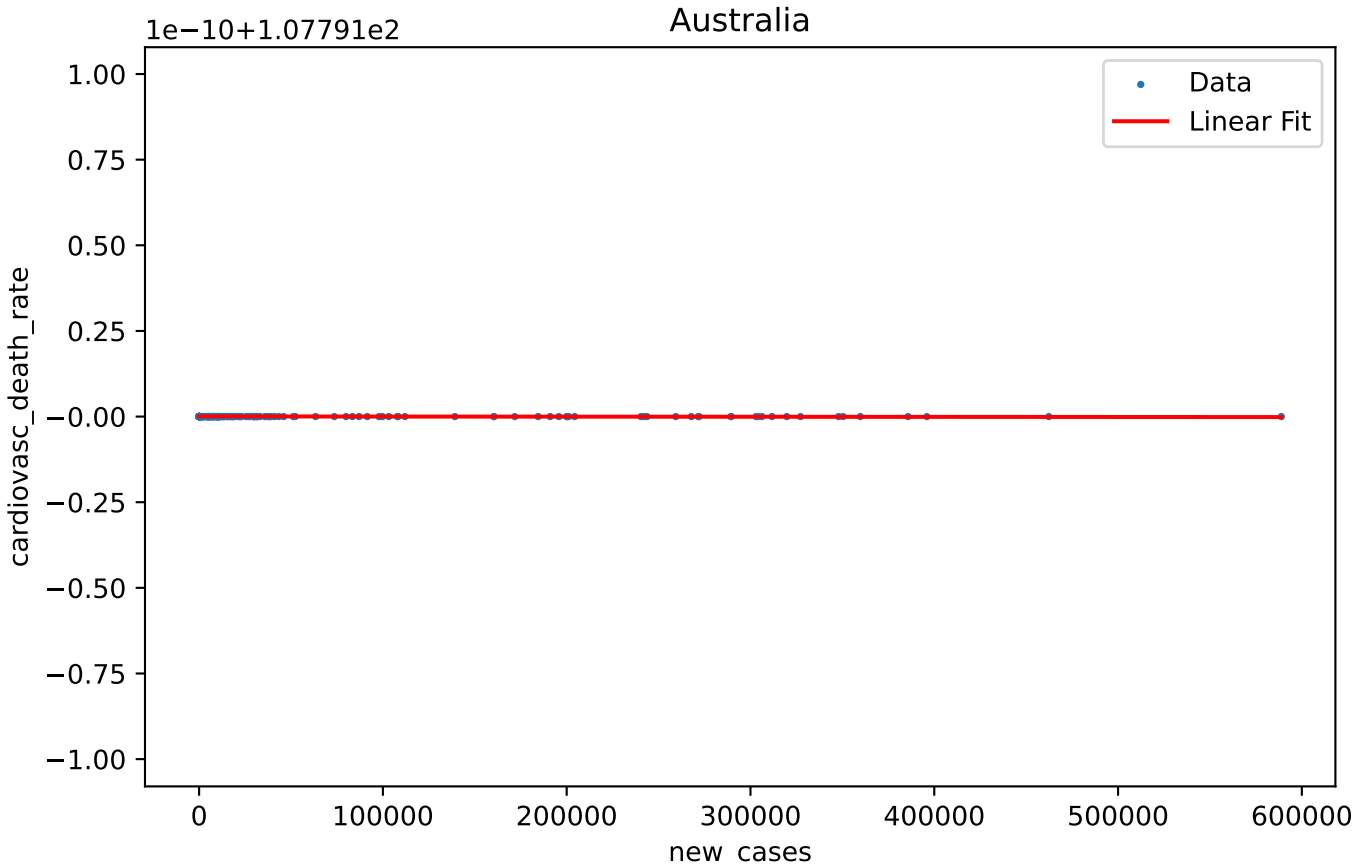

Italy
Data
Linear Fit
2.100
2.075
2.050
2.025
2.000
1.975
1.950
1.925
1.900
extreme_poverty
0
1000
2000
3000
4000
5000
new_deaths

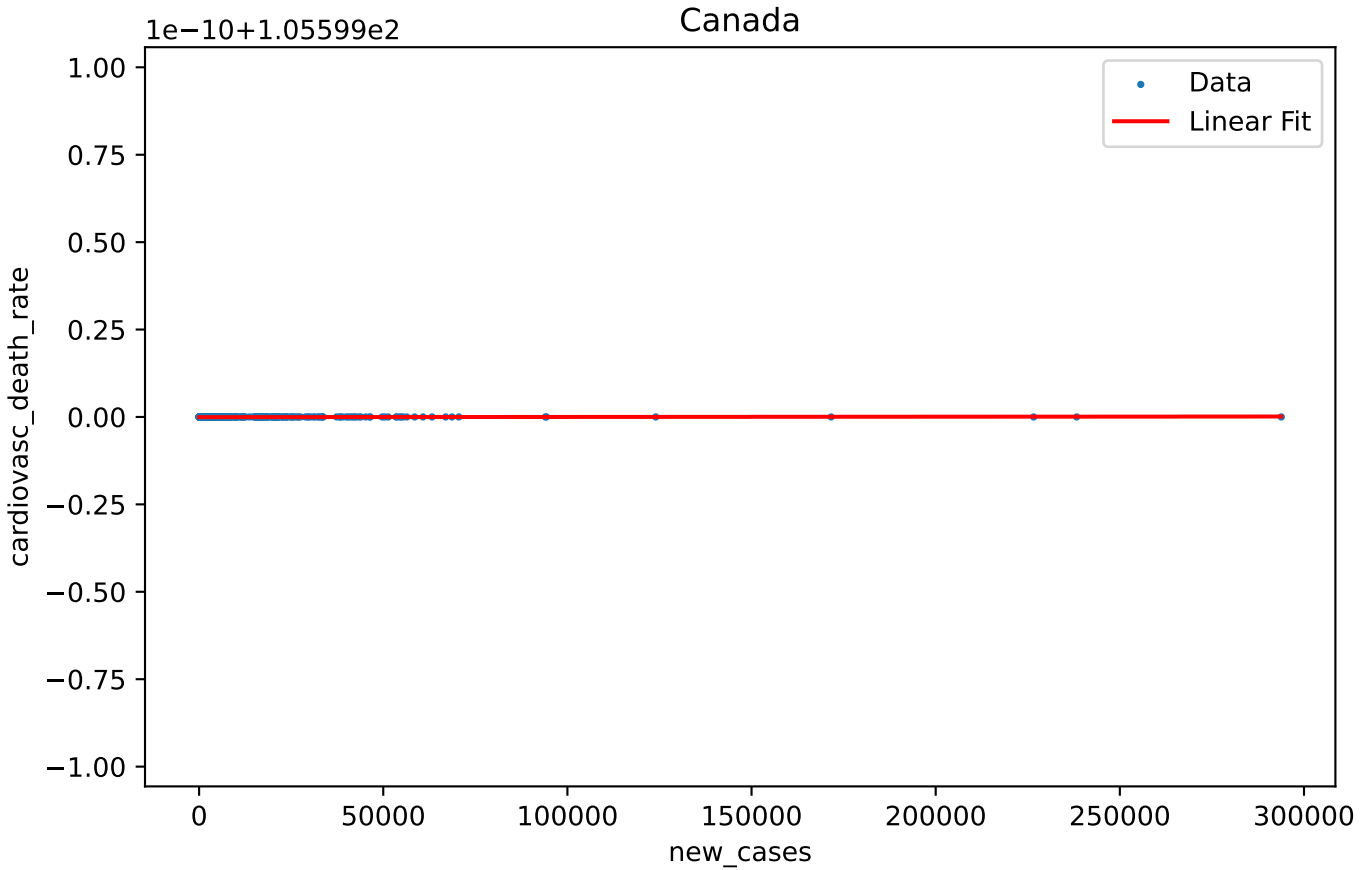

All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
extreme_poverty
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
0
2000
4000
6000
8000
10000
12000
new_deaths

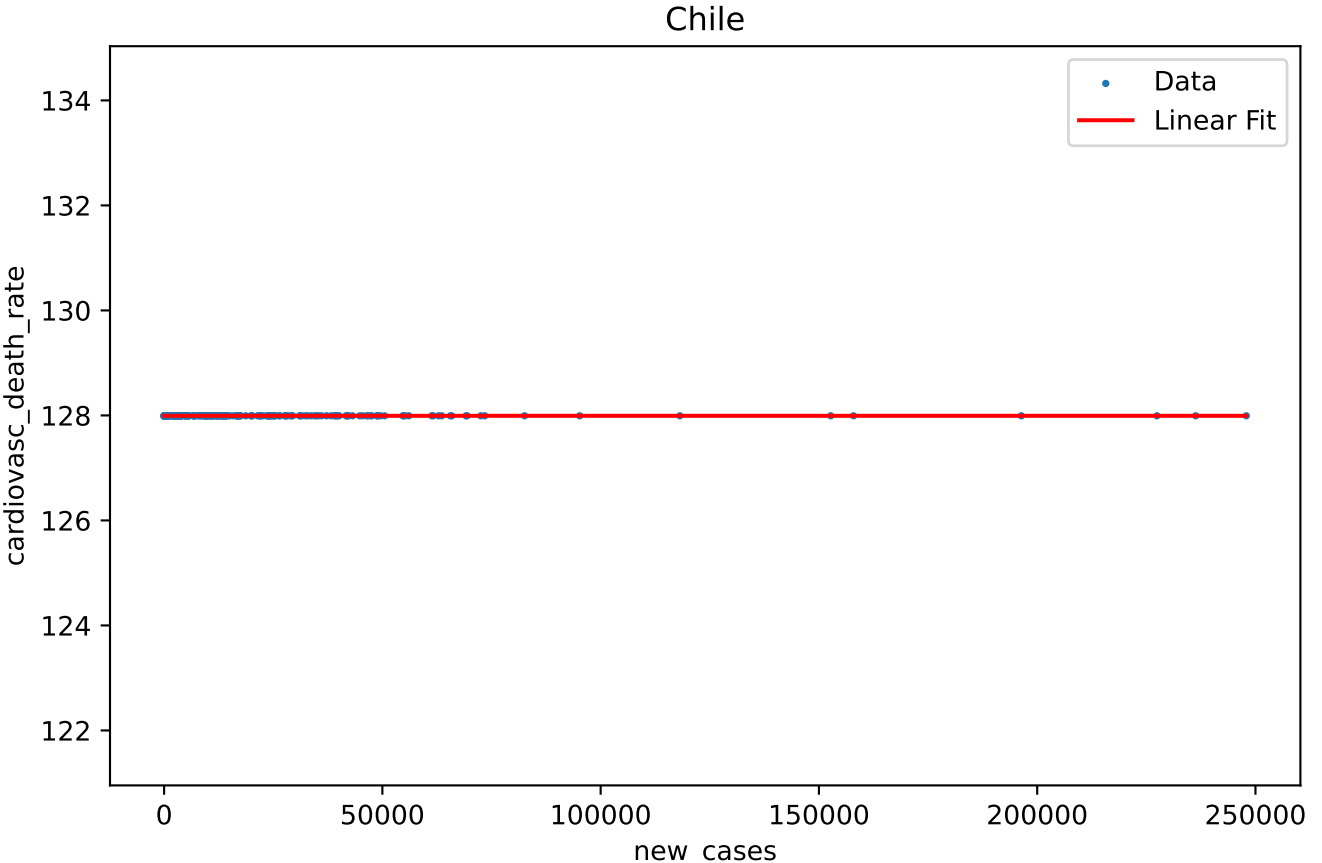

South Africa
Data
Linear Fit
cardiovasc_death_rate
210.0
207.5
205.0
202.5
200.0
197.5
195.0
192.5
190.0
0
20000
40000
60000
80000
100000
120000
140000
160000
new_cases

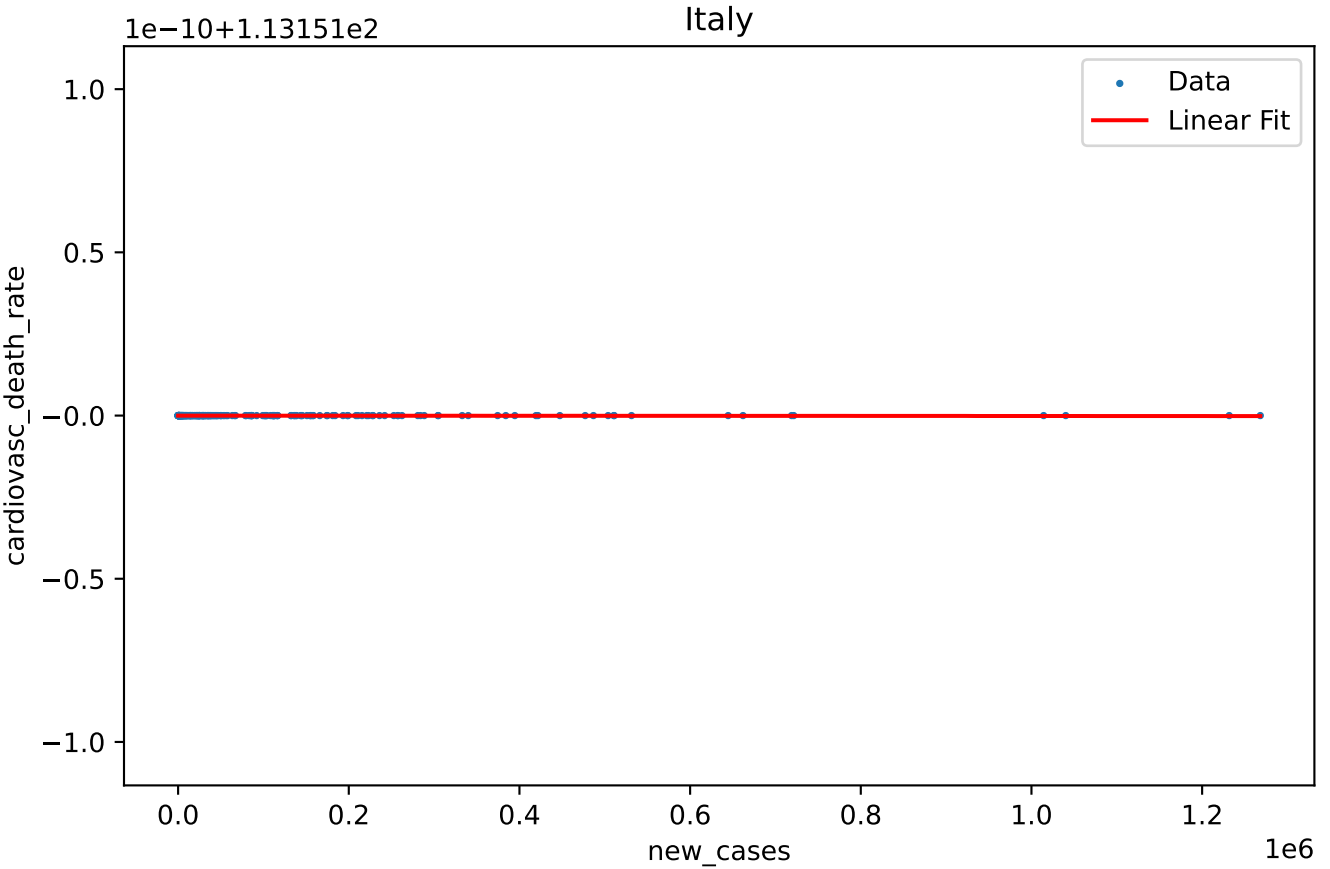

Malaysia
1e−10+2.60942e2
Data
Linear Fit
cardiovasc_death_rate
2
1
0
−1
−2
0
25000
50000
75000
100000
125000
150000
175000
200000
new_cases

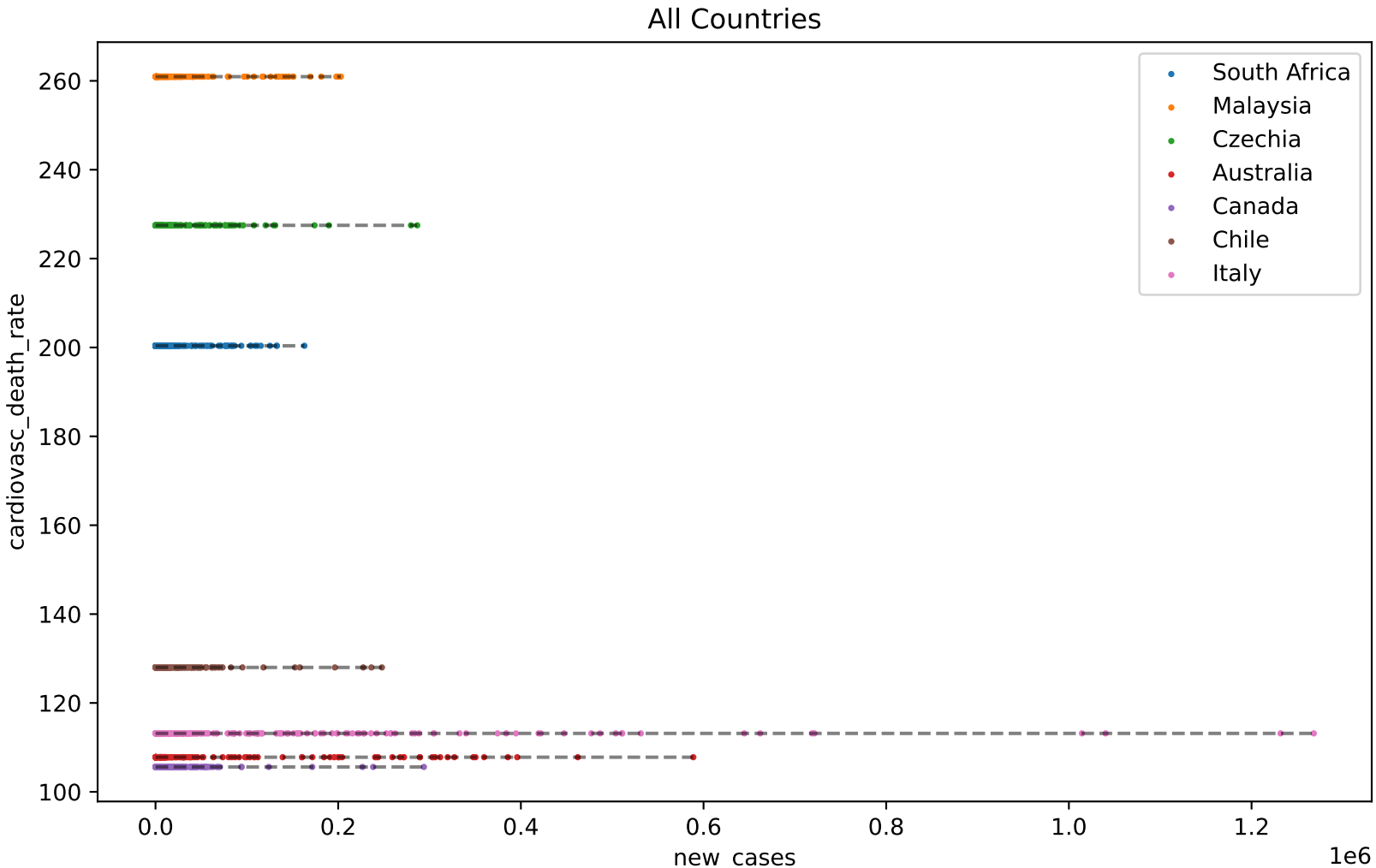

Czechia
Data
Linear Fit
cardiovasc_death_rate
235
230
225
220
215
0
50000
100000
150000
200000
250000
300000
new_cases

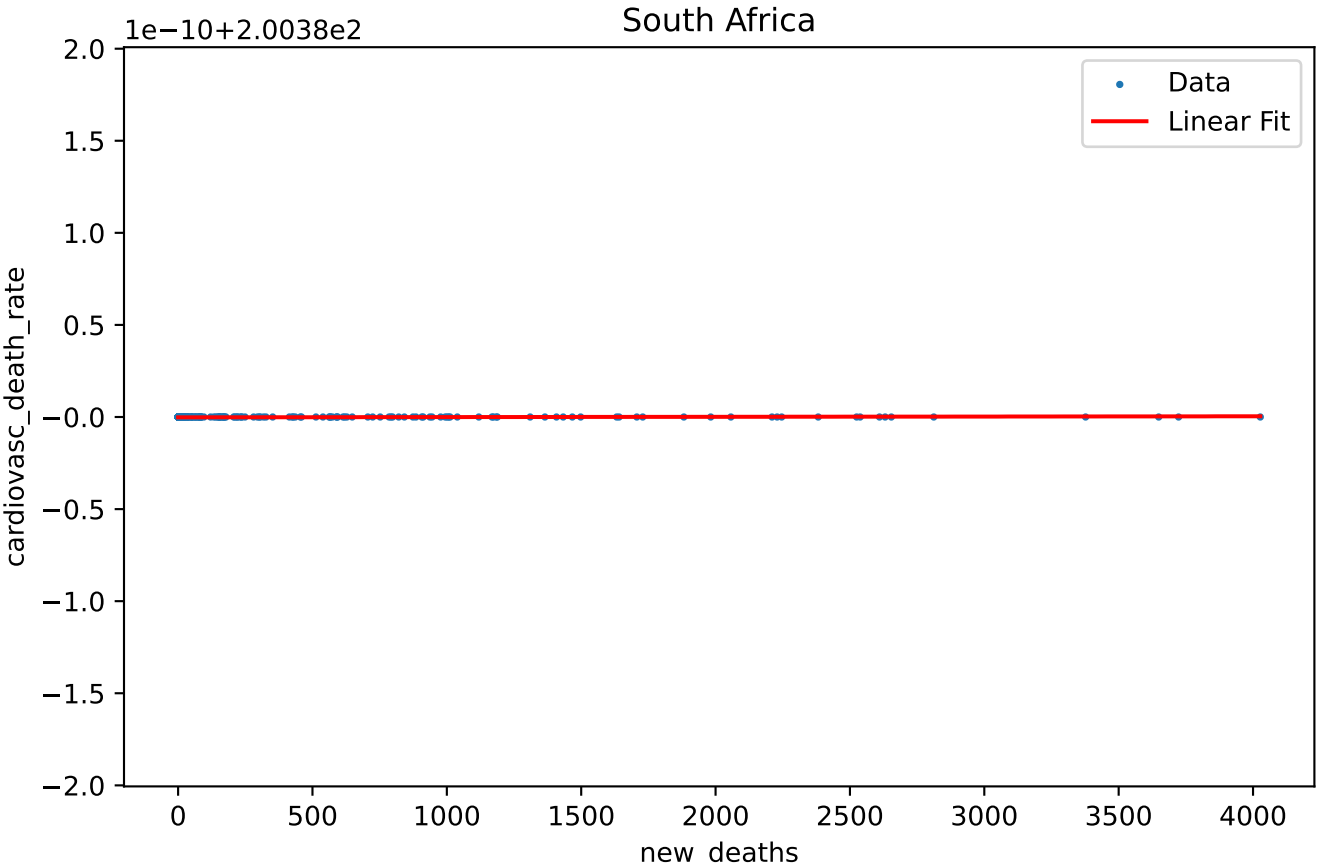

Australia
1e−10+1.07791e2
1.00
0.75
0.50
0.25
−0.00
−0.25
−0.50
−0.75
−1.00
cardiovasc_death_rate
Data
Linear Fit
0
100000
200000
300000
400000
500000
600000
new_cases

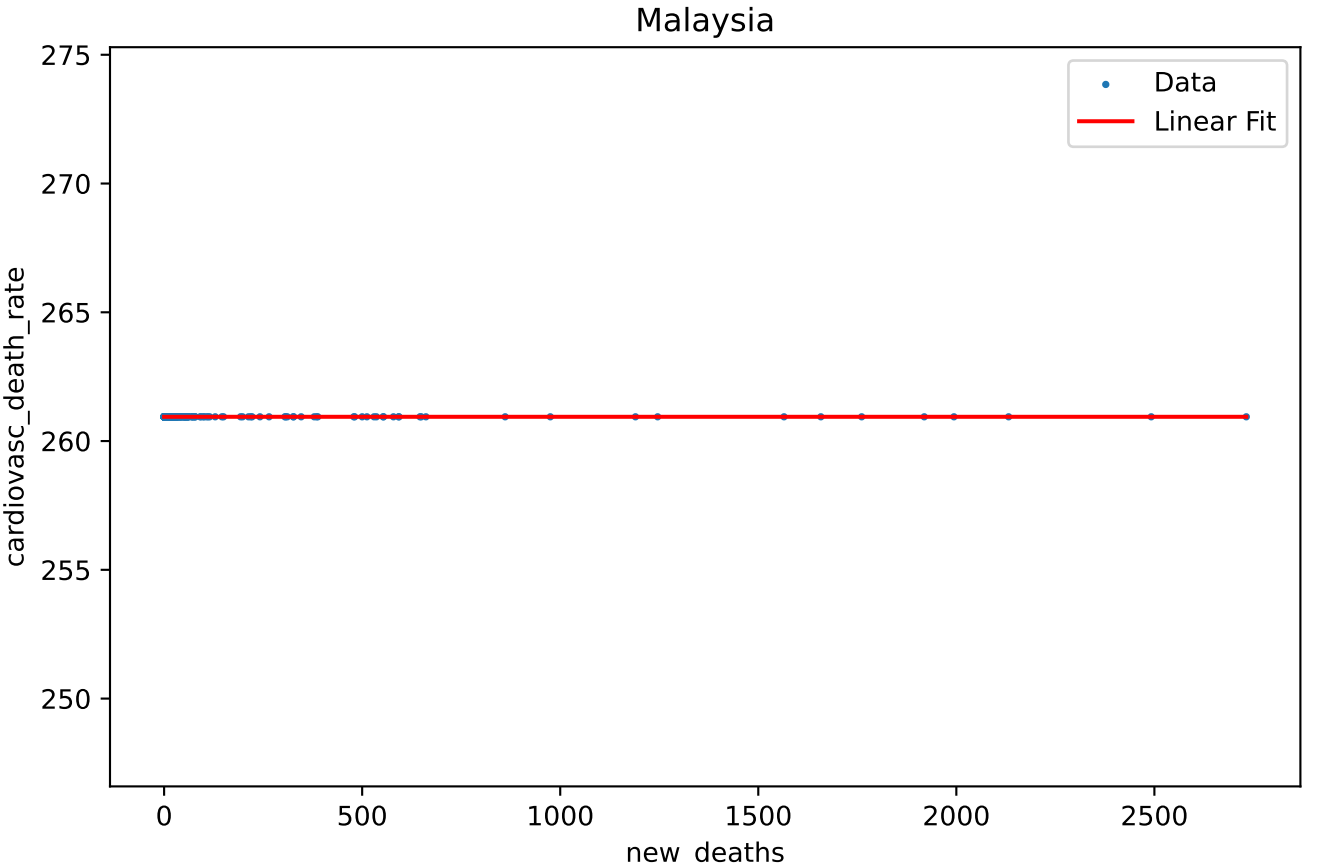

Canada
1e−10+1.05599e2
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
cardiovasc_death_rate
0
50000
100000
150000
200000
250000
300000
new_cases
Data
Linear Fit

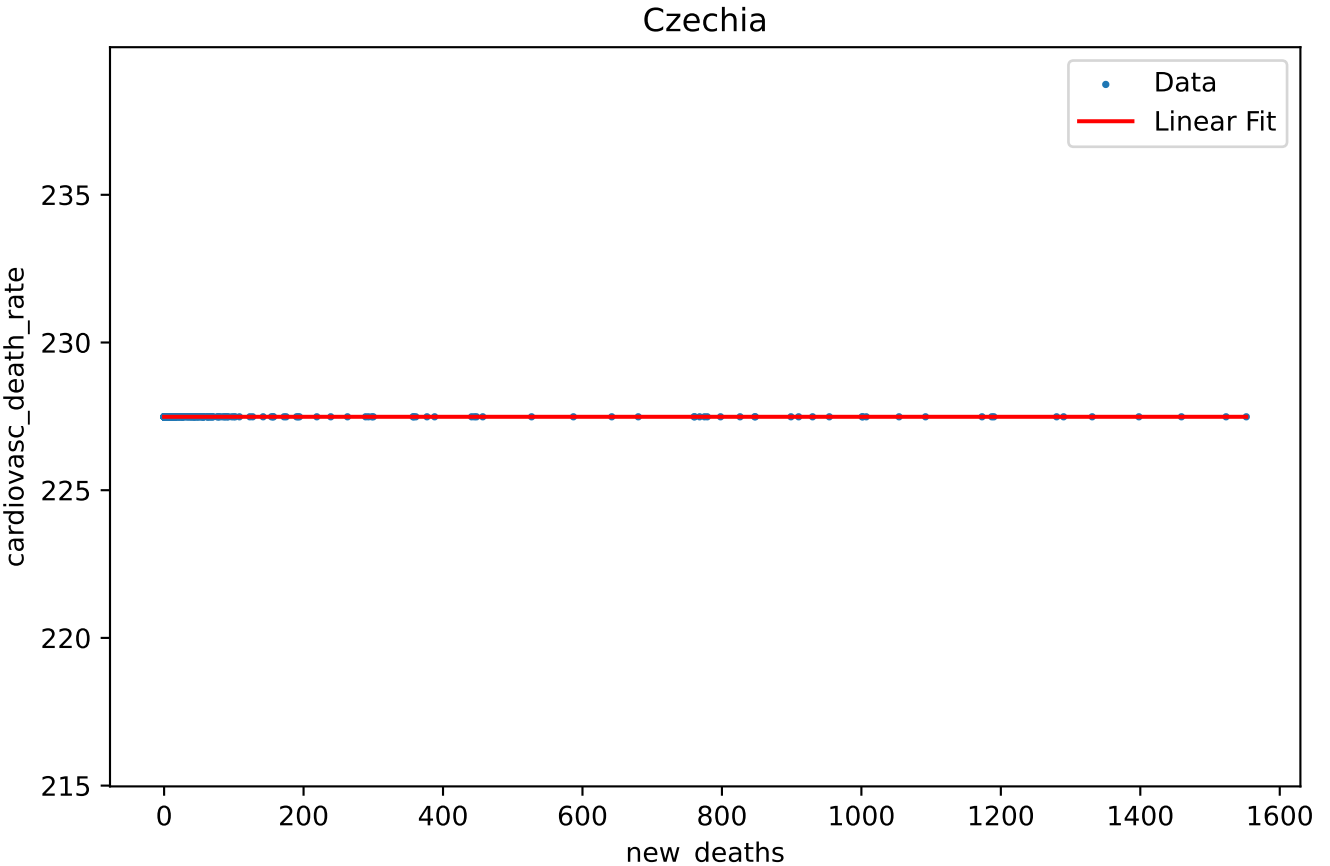

Chile
Data
Linear Fit
cardiovasc_death_rate
134
132
130
128
126
124
122
0
50000
100000
150000
200000
250000
new_cases

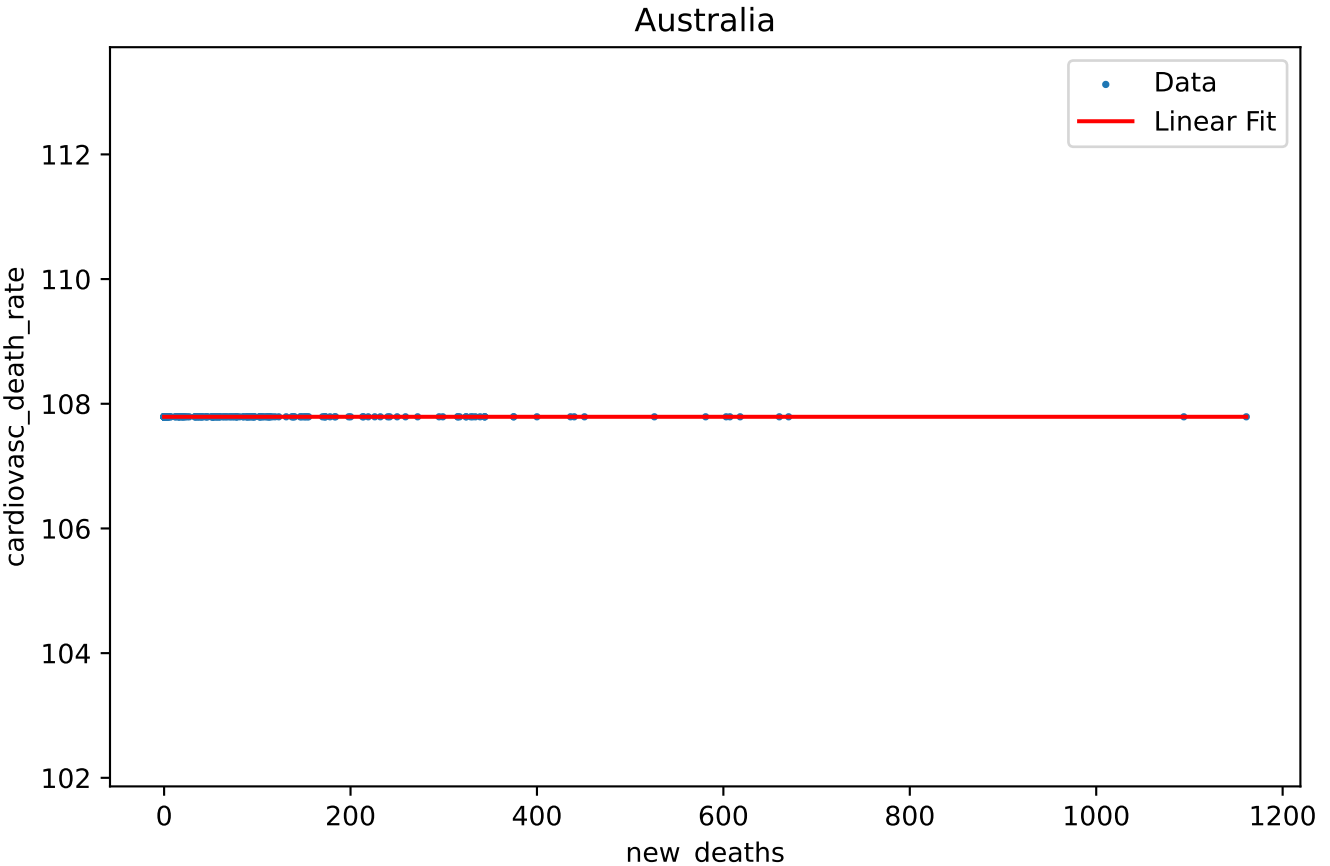

Italy
1e−10+1.13151e2
Data
Linear Fit
cardiovasc_death_rate
1.0
0.5
−0.0
−0.5
−1.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

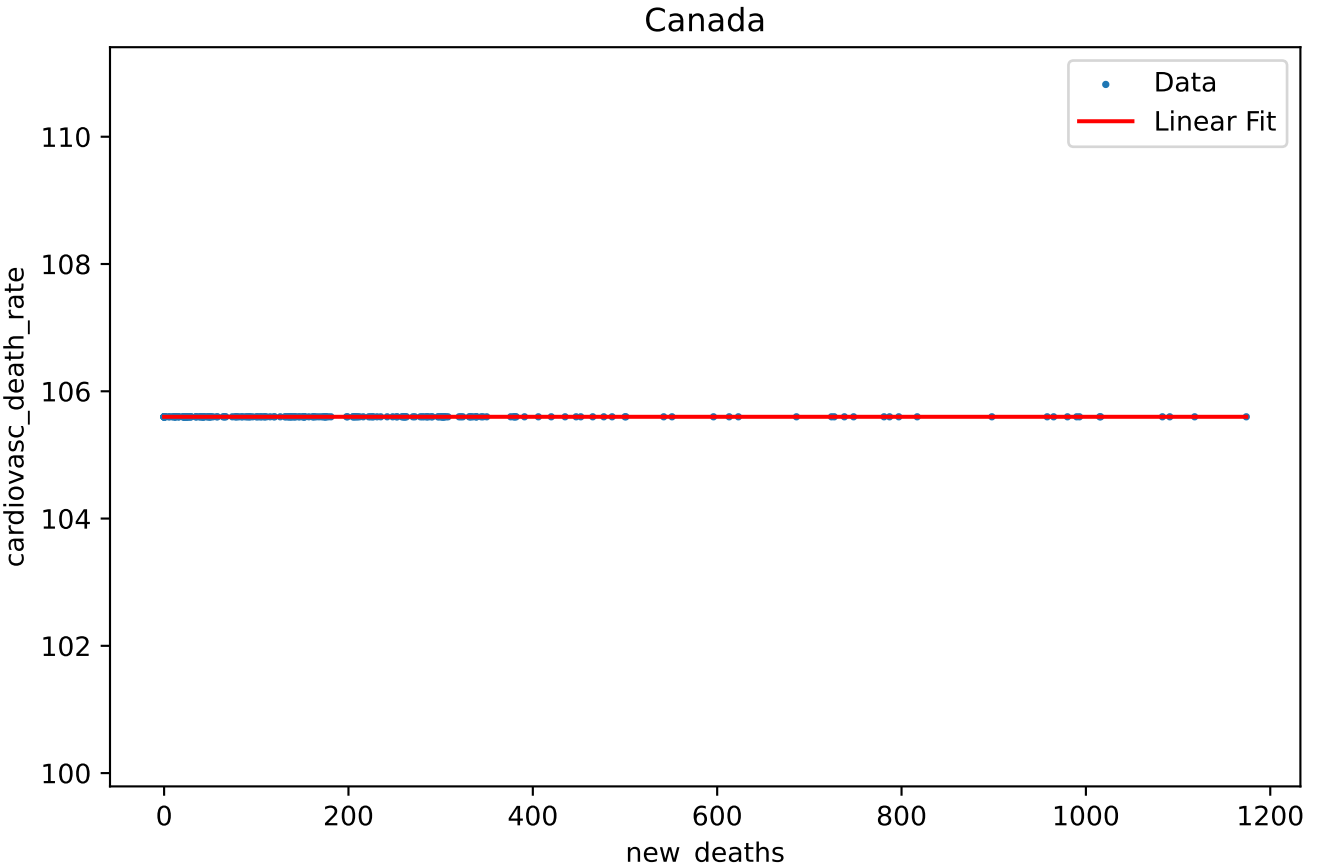

All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
cardiovasc_death_rate
260
240
220
200
180
160
140
120
100
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

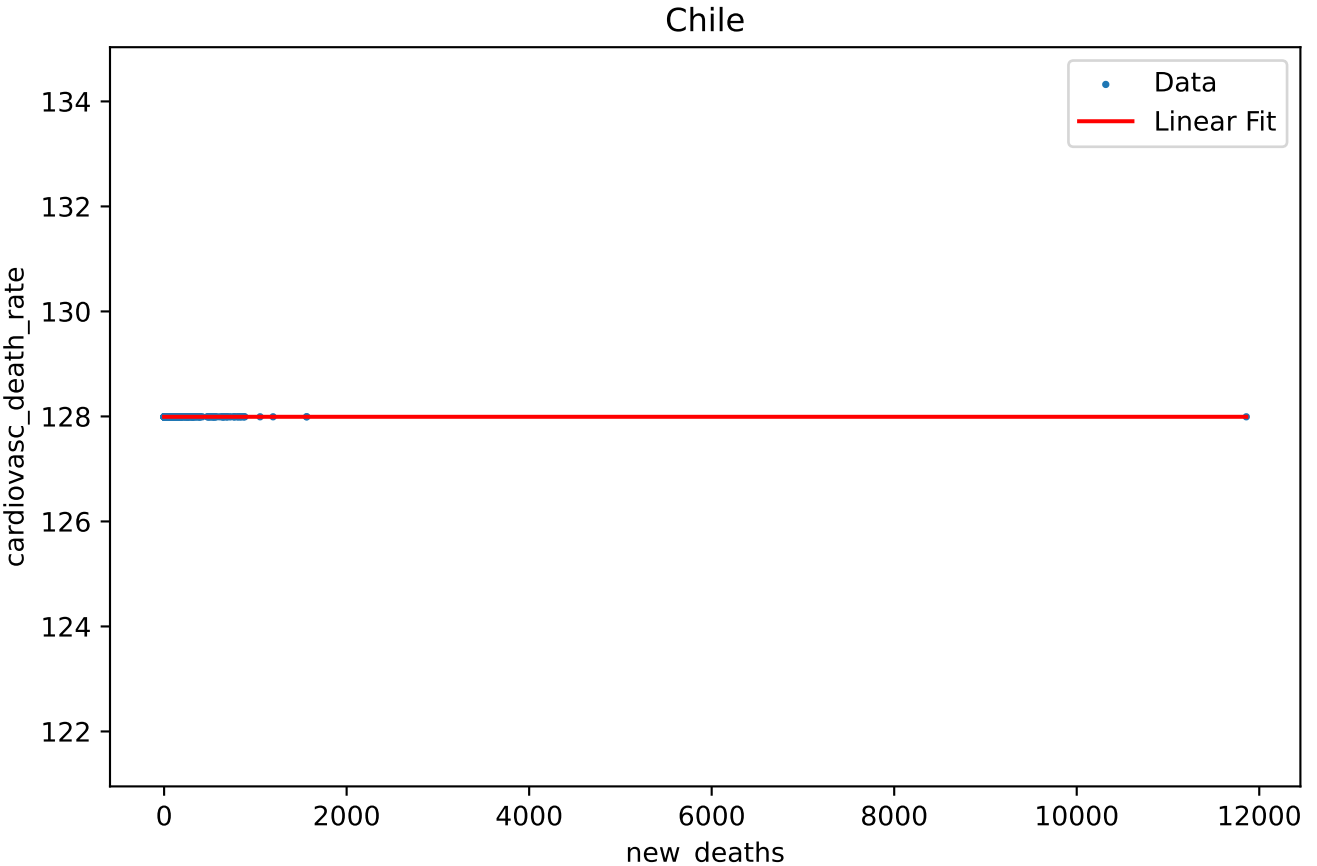

South Africa
1e−10+2.0038e2
2.0
1.5
1.0
0.5
−0.0
−0.5
−1.0
−1.5
−2.0
cardiovasc_death_rate
0
500
1000
1500
2000
2500
3000
3500
4000
new_deaths
Data
Linear Fit

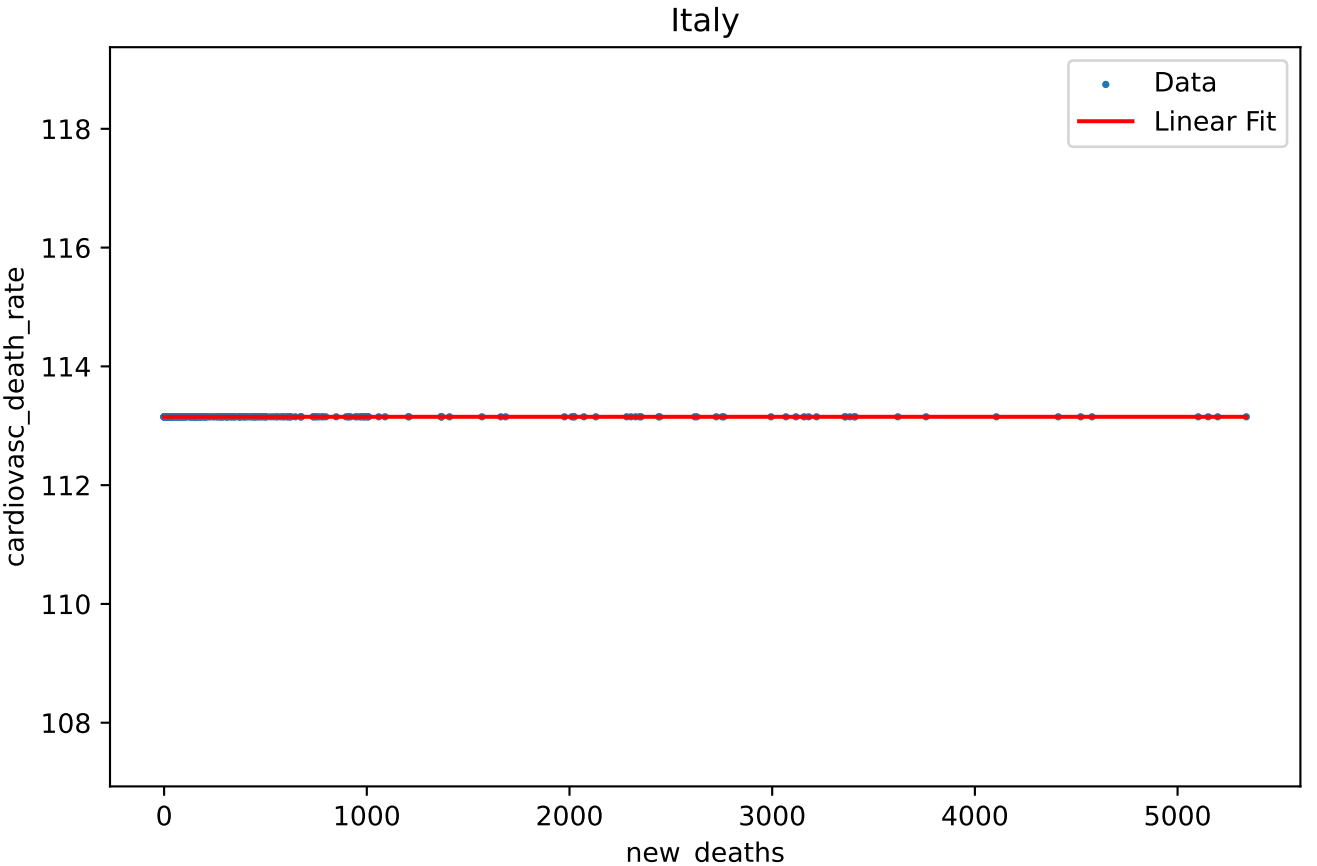

Malaysia
Data
Linear Fit
cardiovasc_death_rate
new_deaths
275
270
265
260
255
250
0
500
1000
1500
2000
2500

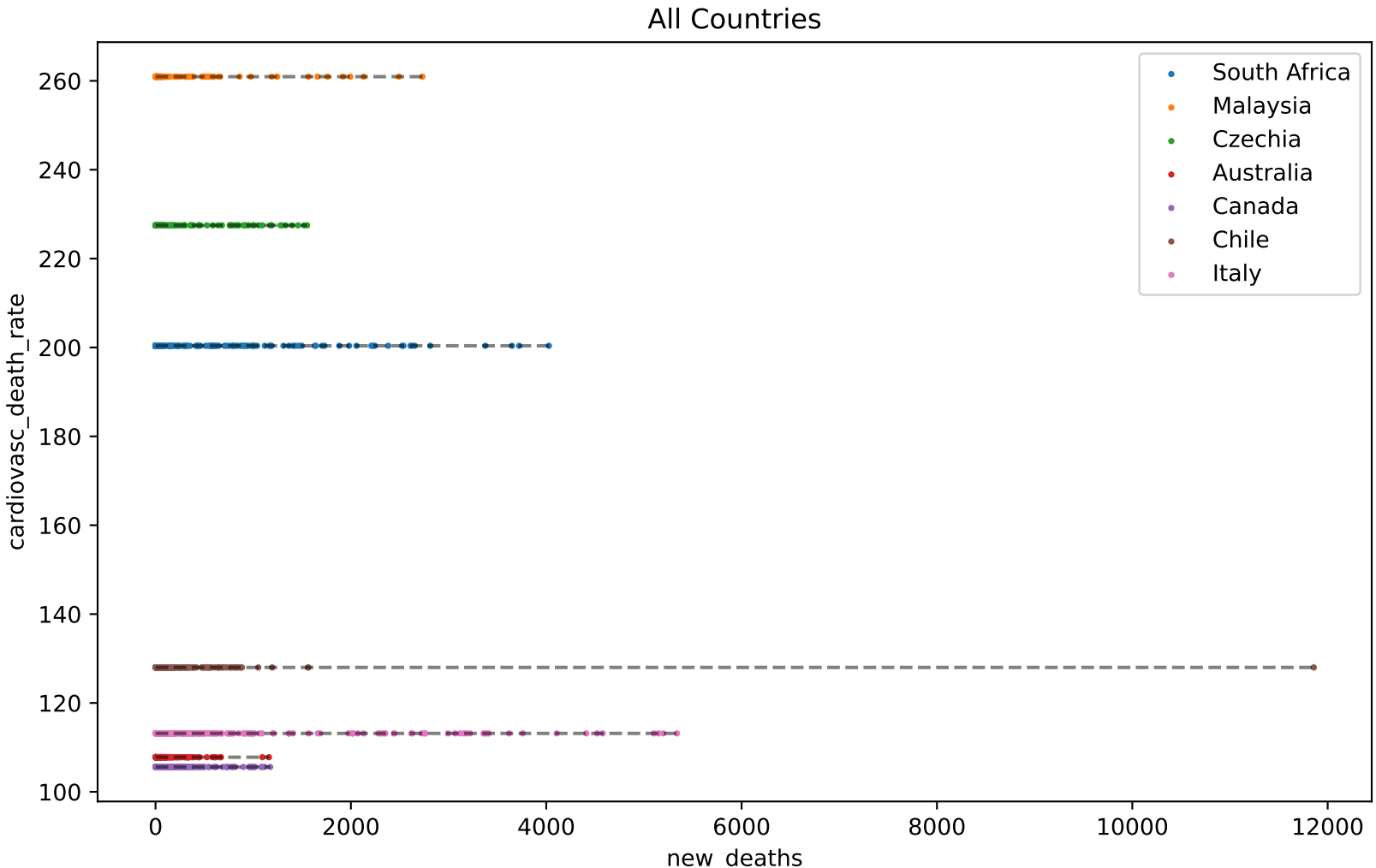

Czechia
Data
Linear Fit
cardiovasc_death_rate
new_deaths
215
220
225
230
235
0
200
400
600
800
1000
1200
1400
1600

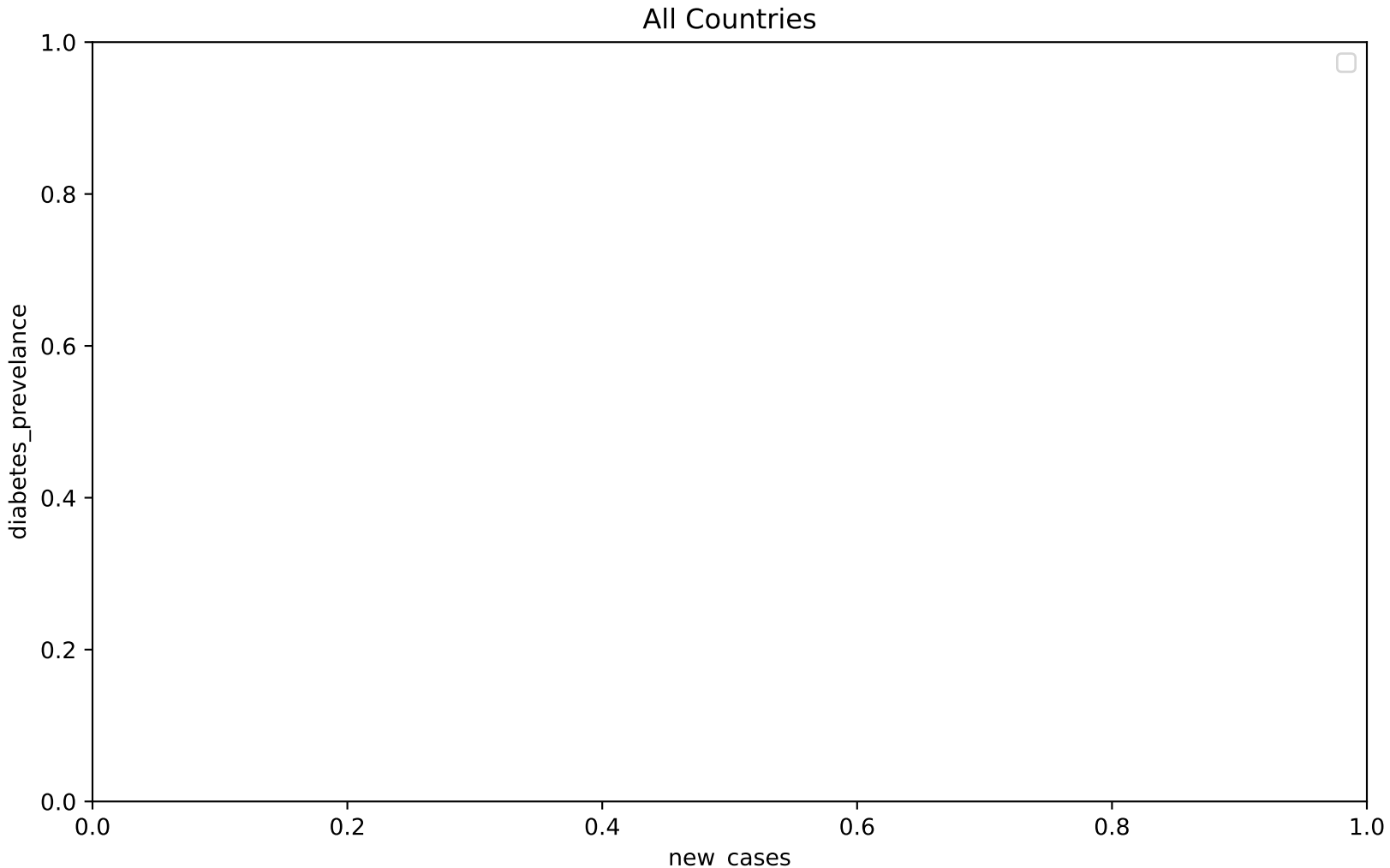

Australia
Data
Linear Fit
cardiovasc_death_rate
112
110
108
106
104
102
0
200
400
600
800
1000
1200
new_deaths

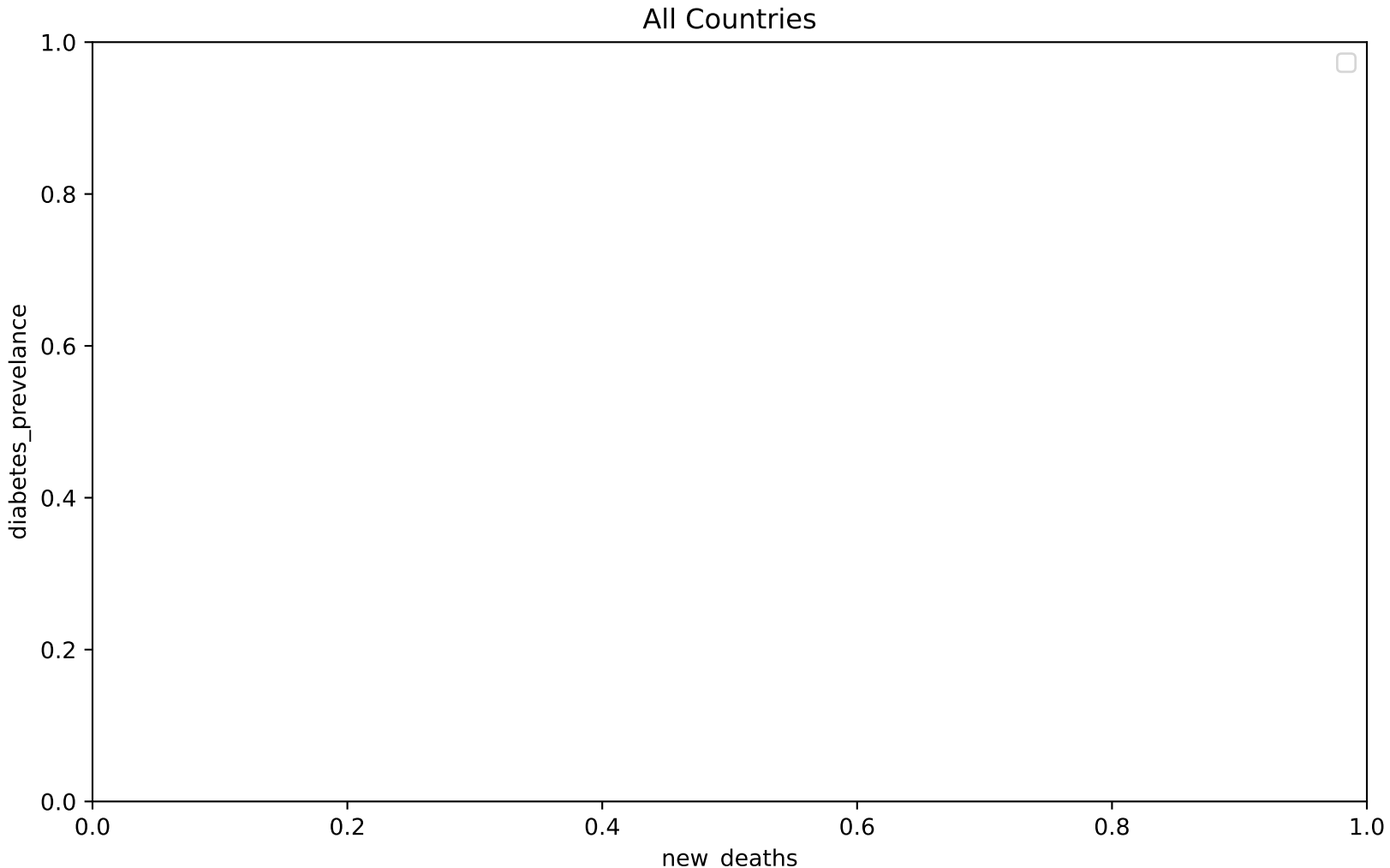

Canada
Data
Linear Fit
cardiovasc_death_rate
110
108
106
104
102
100
0
200
400
600
800
1000
1200
new_deaths

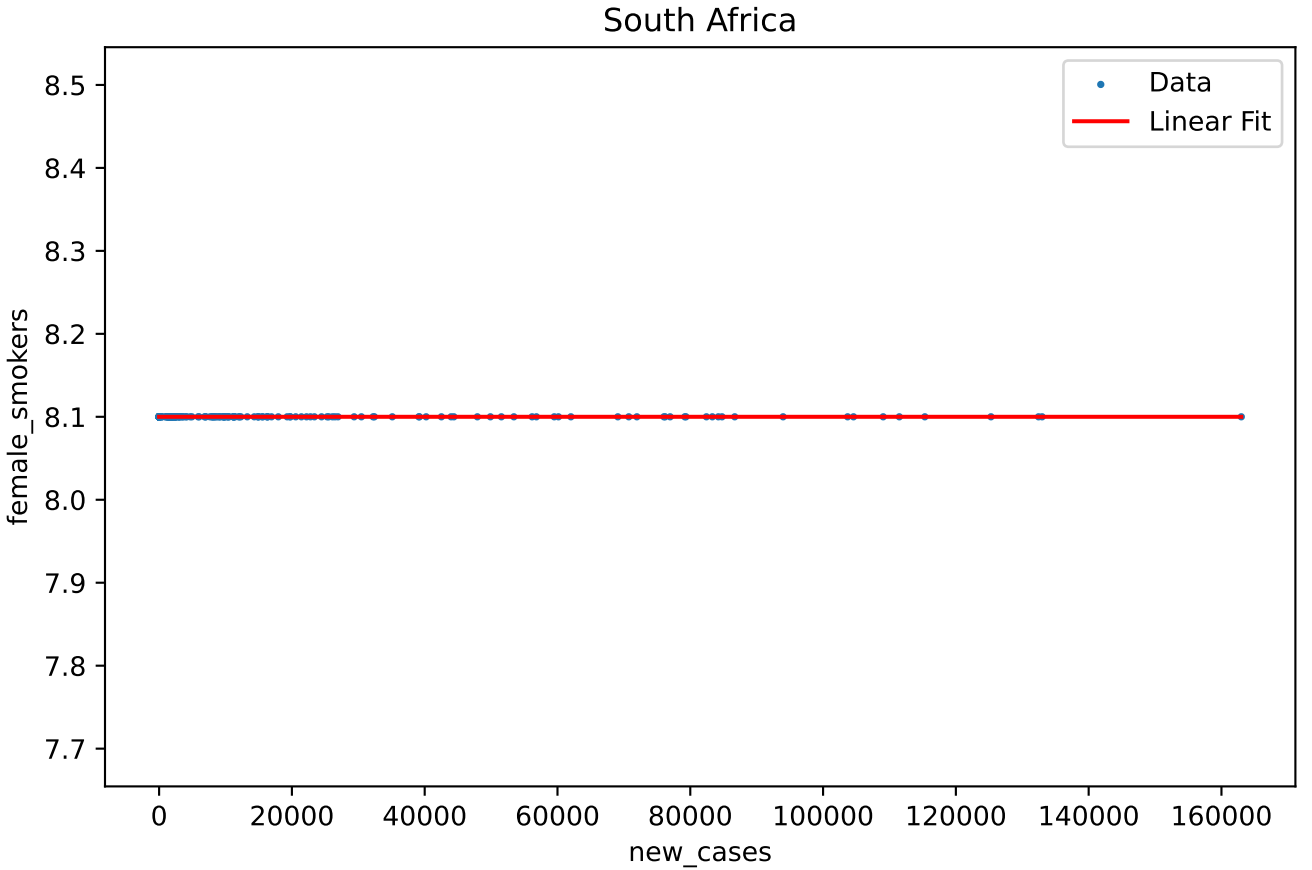

Chile
Data
Linear Fit
cardiovasc_death_rate
134
132
130
128
126
124
122
0
2000
4000
6000
8000
10000
12000
new_deaths

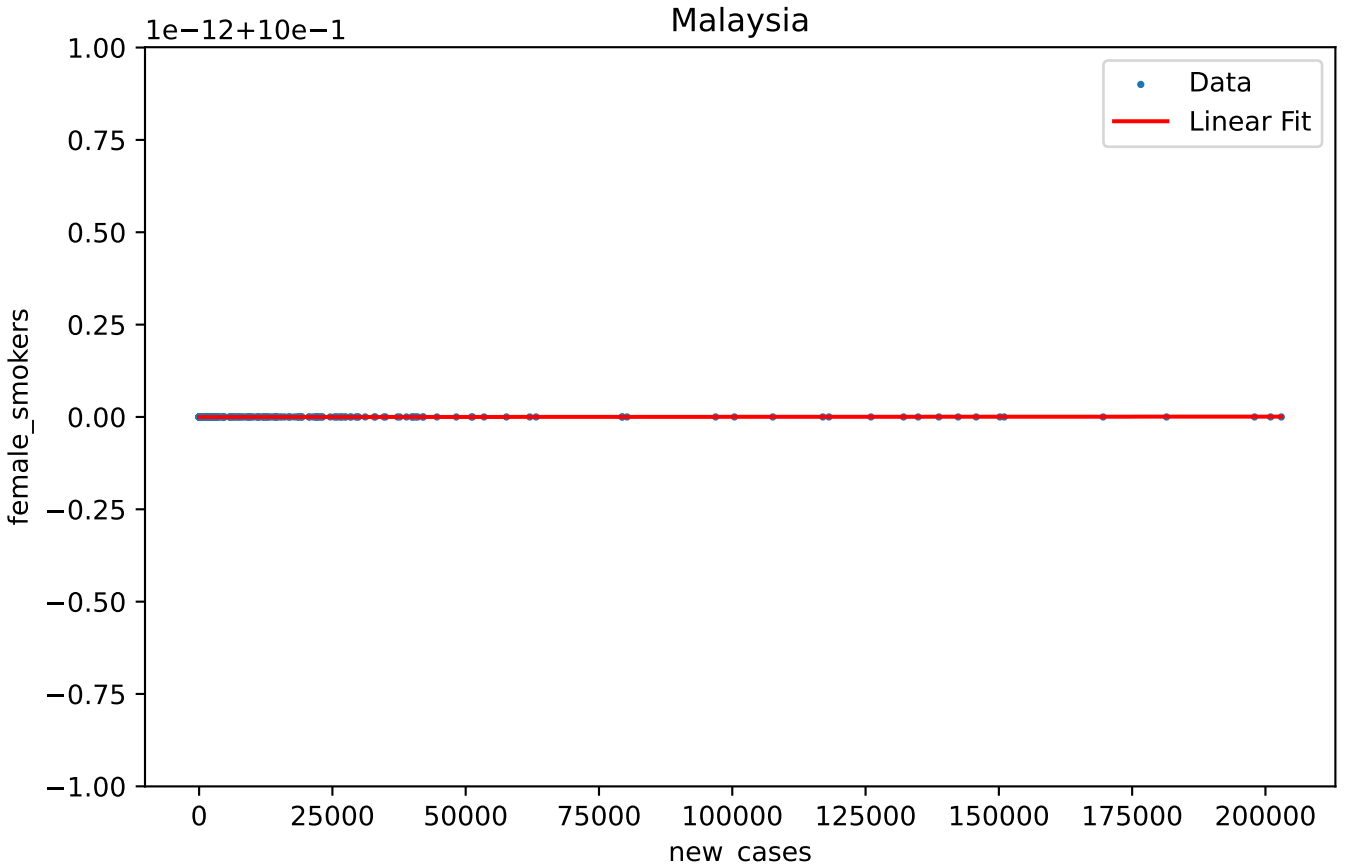

Italy
Data
Linear Fit
cardiovasc_death_rate
118
116
114
112
110
108
0
1000
2000
3000
4000
5000
new_deaths

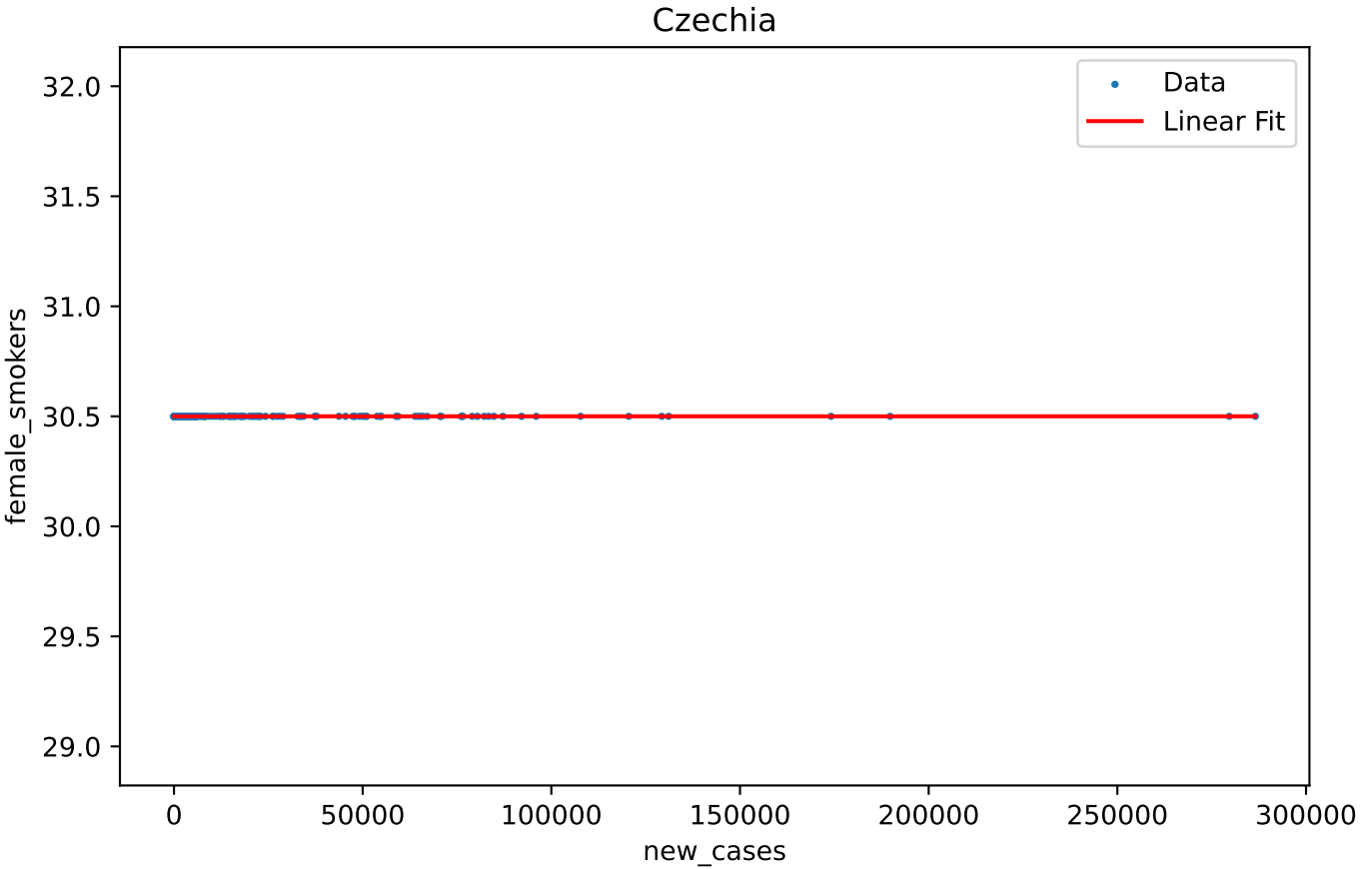

All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
cardiovasc_death_rate
260
240
220
200
180
160
140
120
100
0
2000
4000
6000
8000
10000
12000
new_deaths

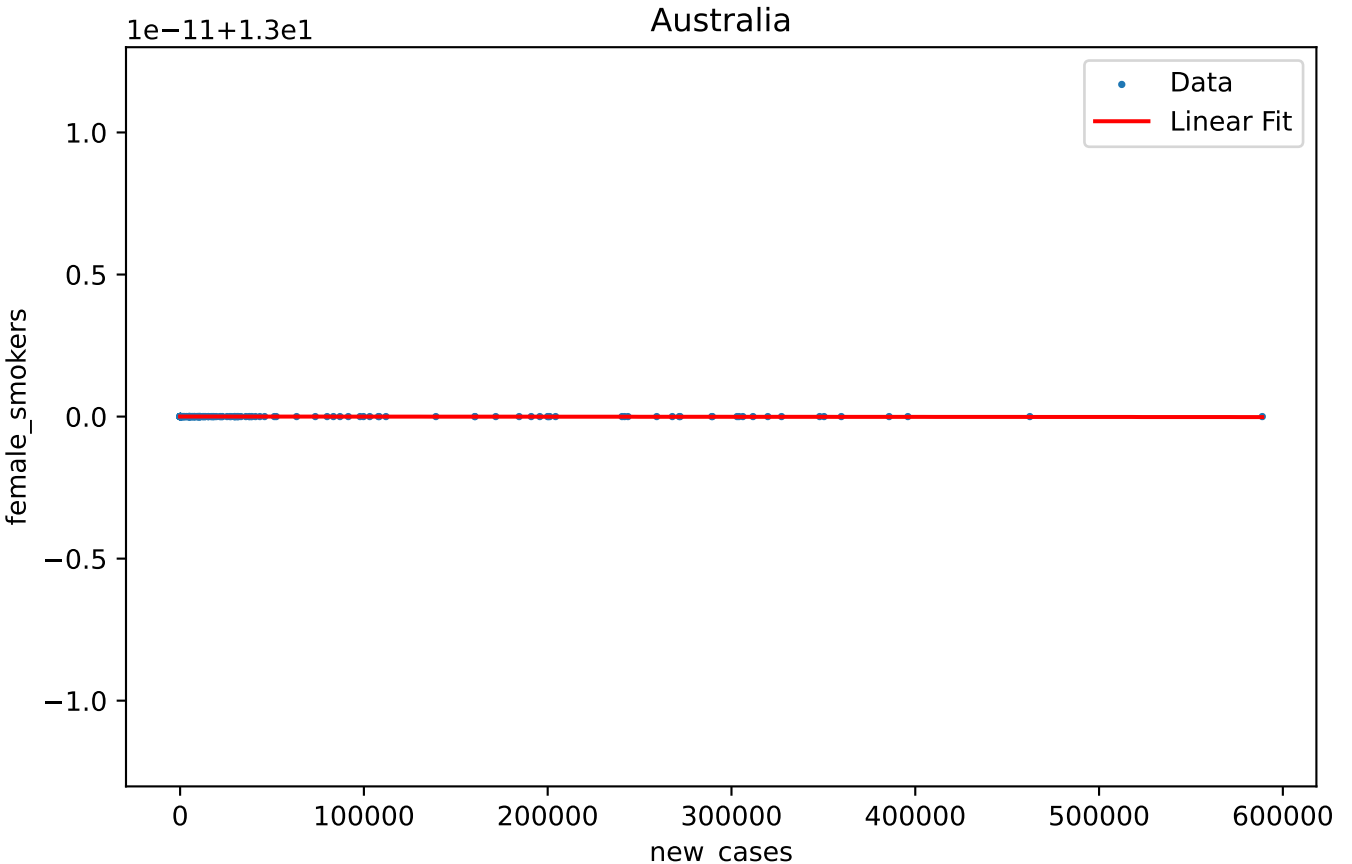

All Countries
1.0
0.8
0.6
0.4
0.2
0.0
diabetes_prevelance
0.0
0.2
0.4
0.6
0.8
1.0
new_cases

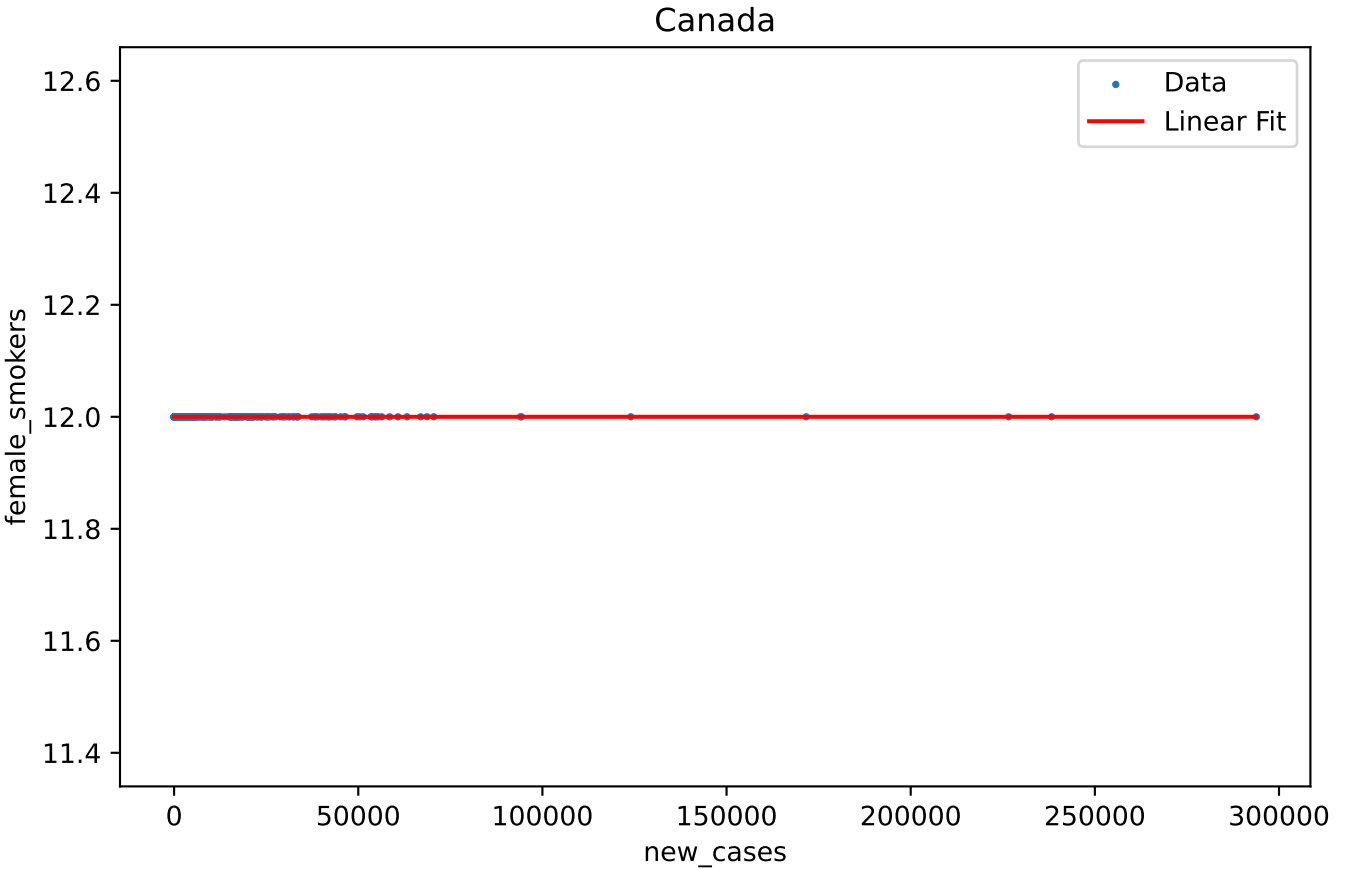

All Countries
1.0
0.8
0.6
0.4
0.2
0.0
diabetes_prevelance
0.0
0.2
0.4
0.6
0.8
1.0
new_deaths

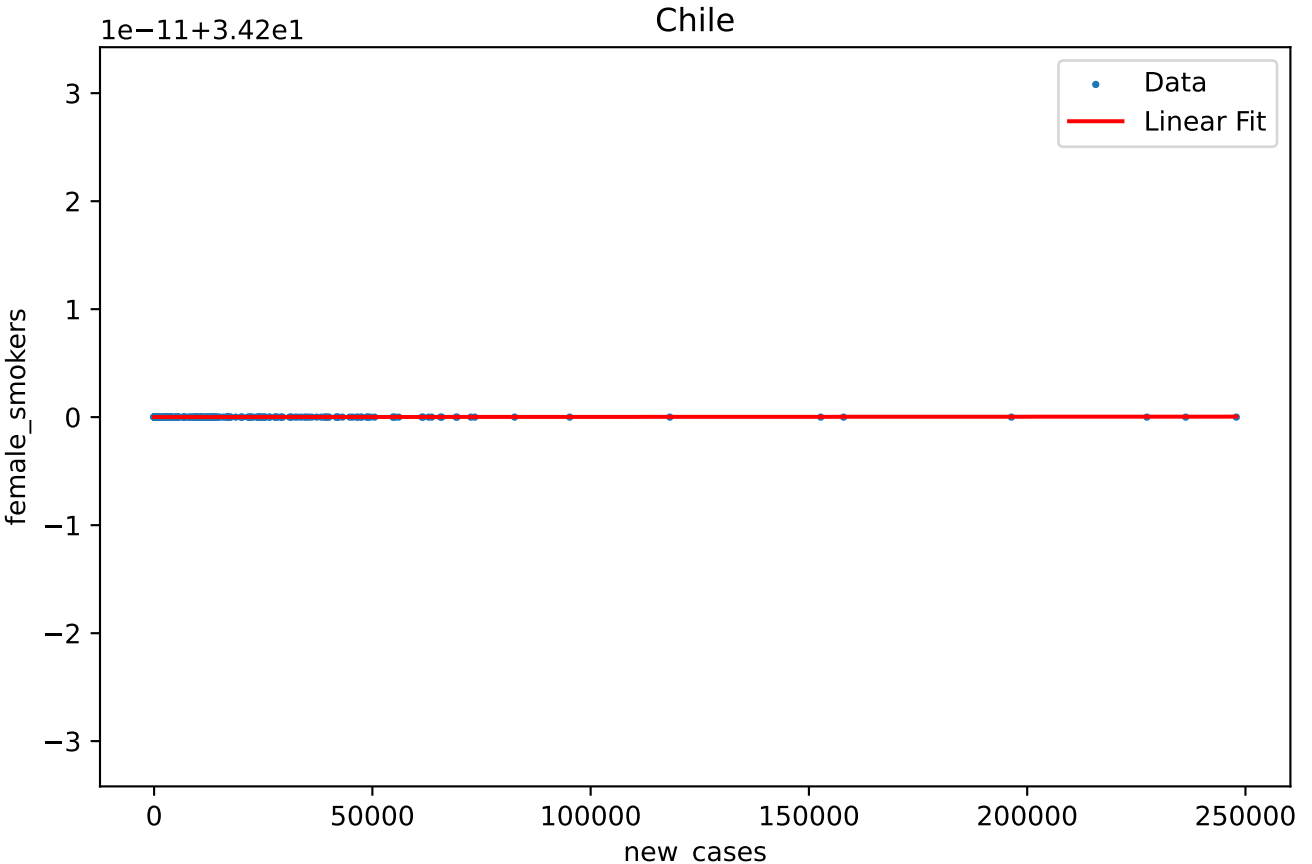

South Africa
Data
Linear Fit
female_smokers
8.5
8.4
8.3
8.2
8.1
8.0
7.9
7.8
7.7
0
20000
40000
60000
80000
100000
120000
140000
160000
new_cases

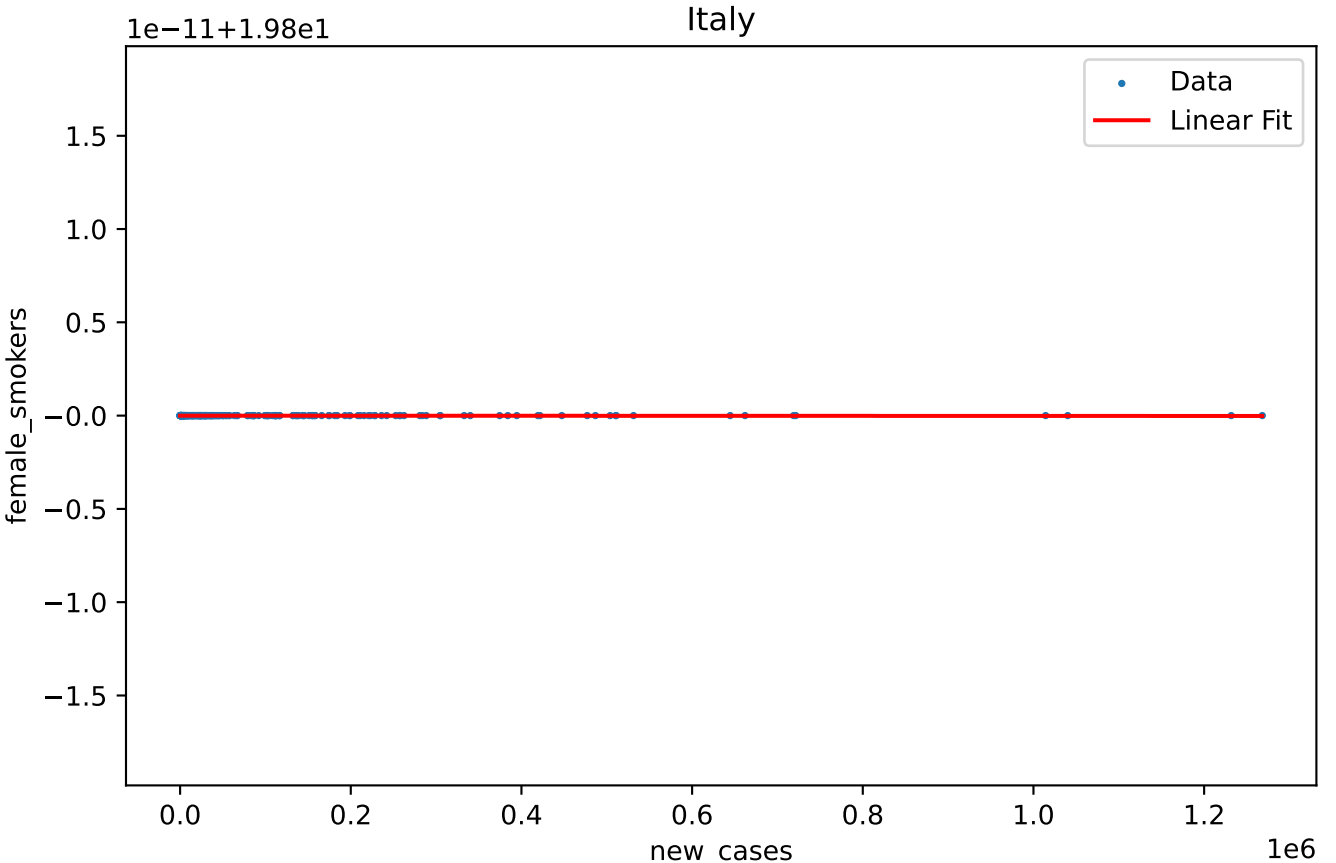

Malaysia
1e−12+10e−1
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
female_smokers
0
25000
50000
75000
100000
125000
150000
175000
200000
new_cases
Data
Linear Fit

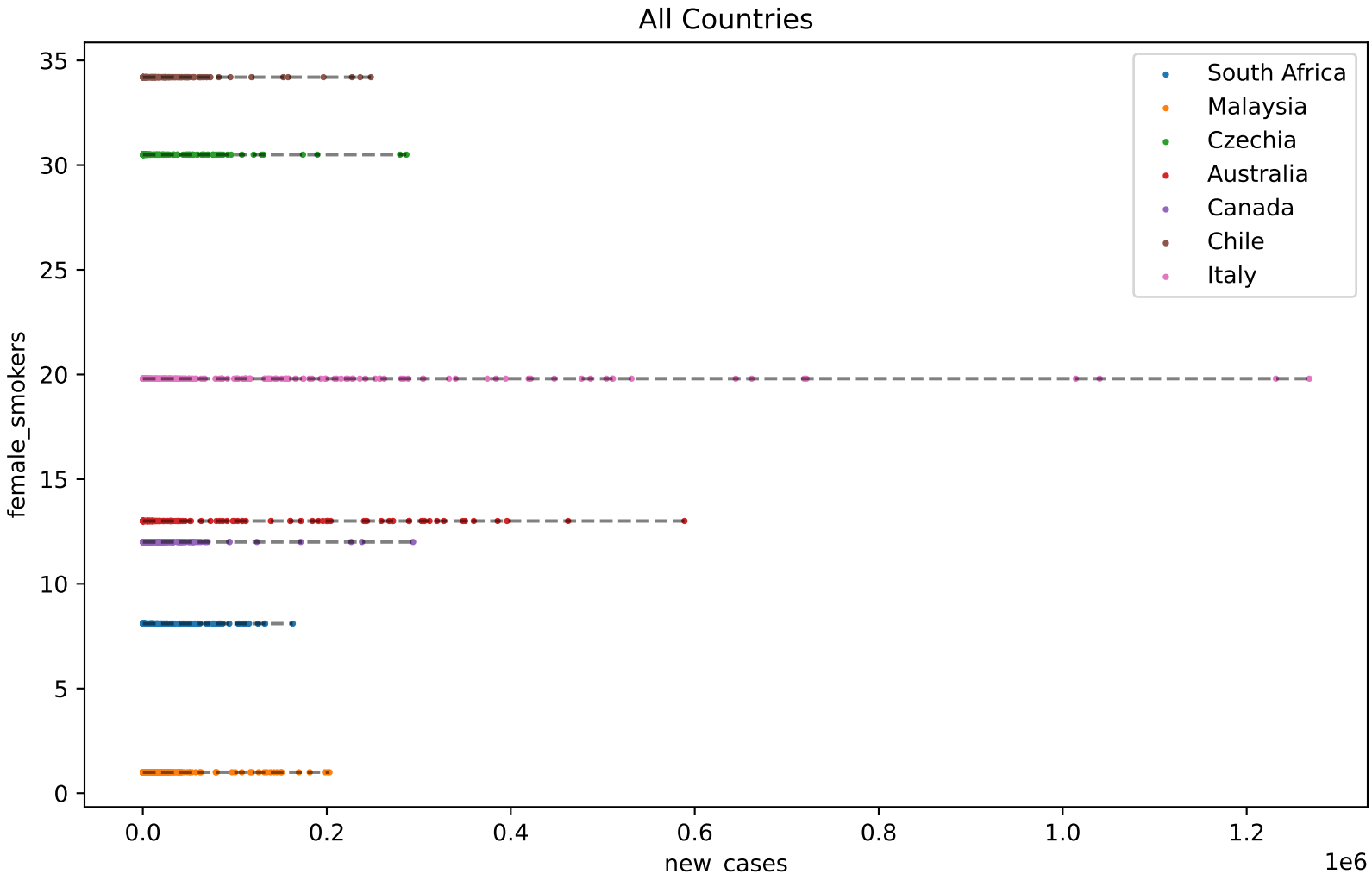

Czechia
Data
Linear Fit
female_smokers
32.0
31.5
31.0
30.5
30.0
29.5
29.0
0
50000
100000
150000
200000
250000
300000
new_cases

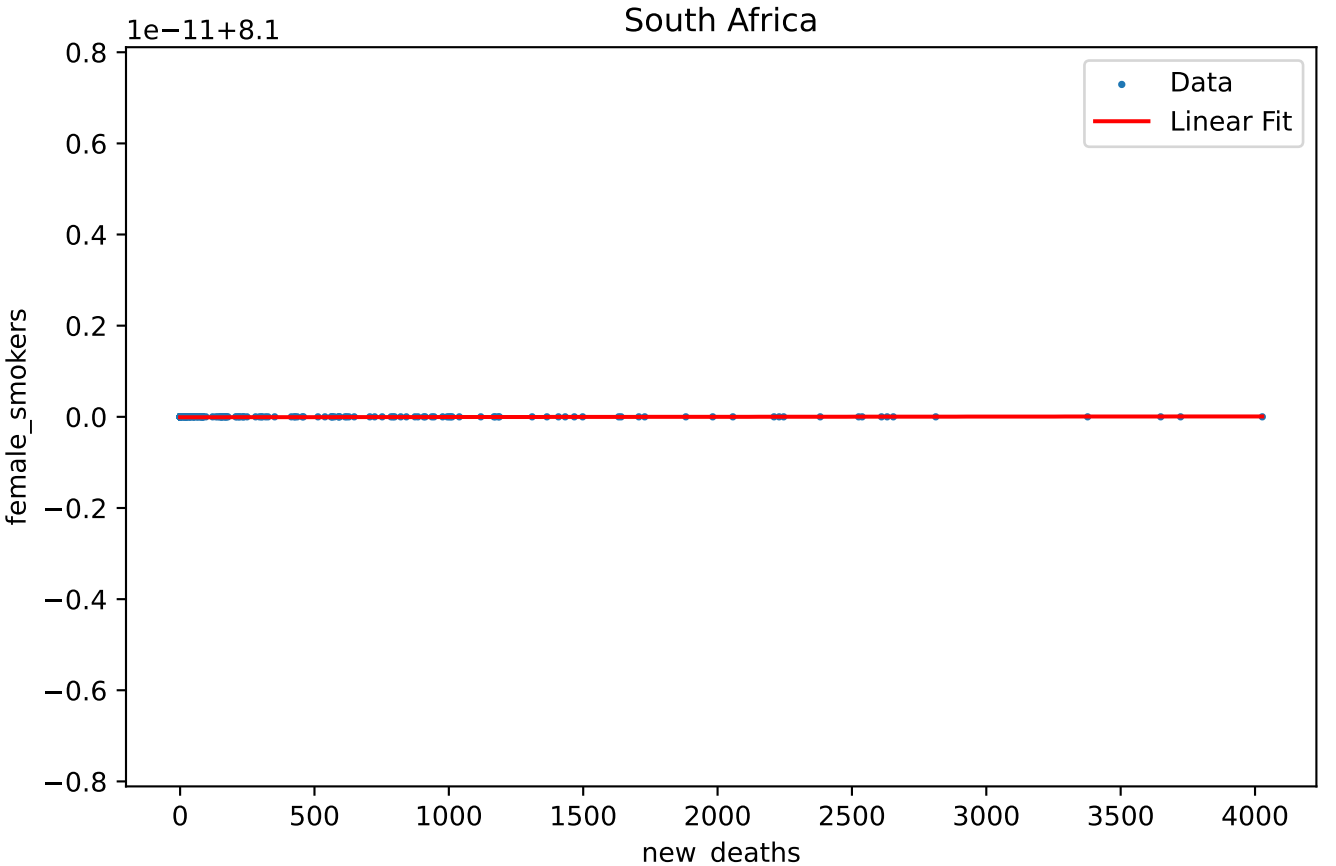

Australia
1e−11+1.3e1
Data
Linear Fit
1.0
0.5
0.0
−0.5
−1.0
female_smokers
0
100000
200000
300000
400000
500000
600000
new_cases

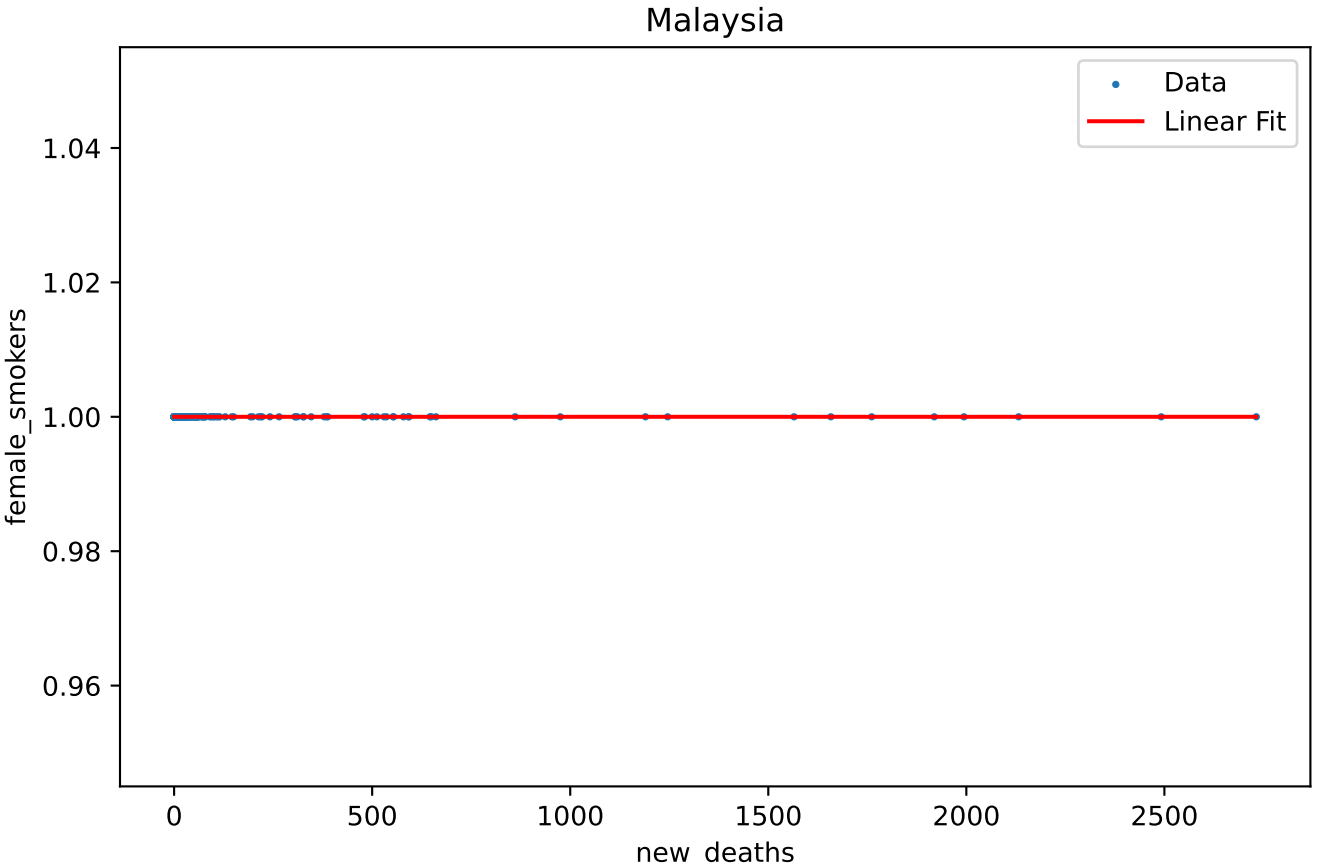

Canada
Data
Linear Fit
12.6
12.4
12.2
12.0
11.8
11.6
11.4
female_smokers
0
50000
100000
150000
200000
250000
300000
new_cases

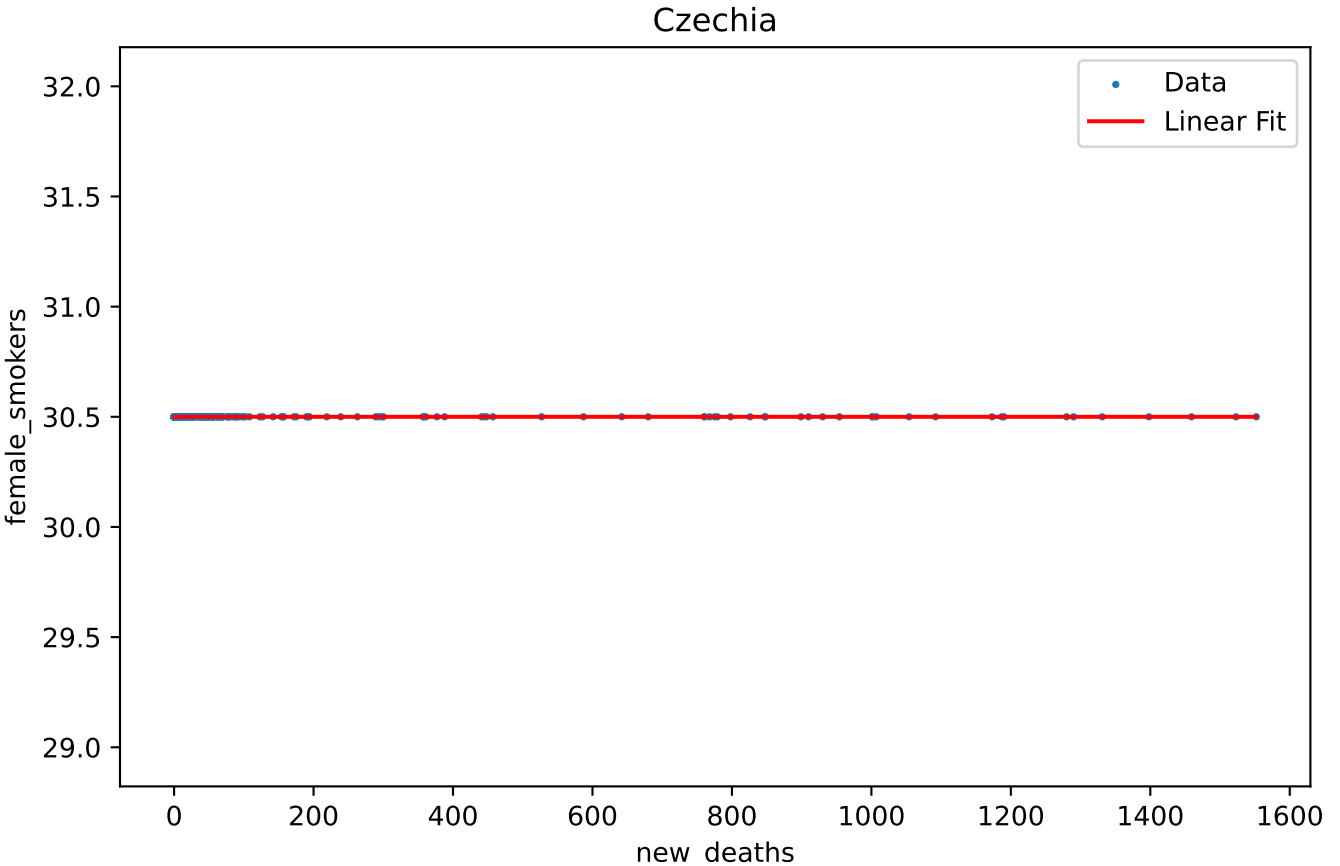

Chile
1e−11+3.42e1
Data
Linear Fit
female_smokers
new_cases
3
2
1
0
−1
−2
−3
0
50000
100000
150000
200000
250000

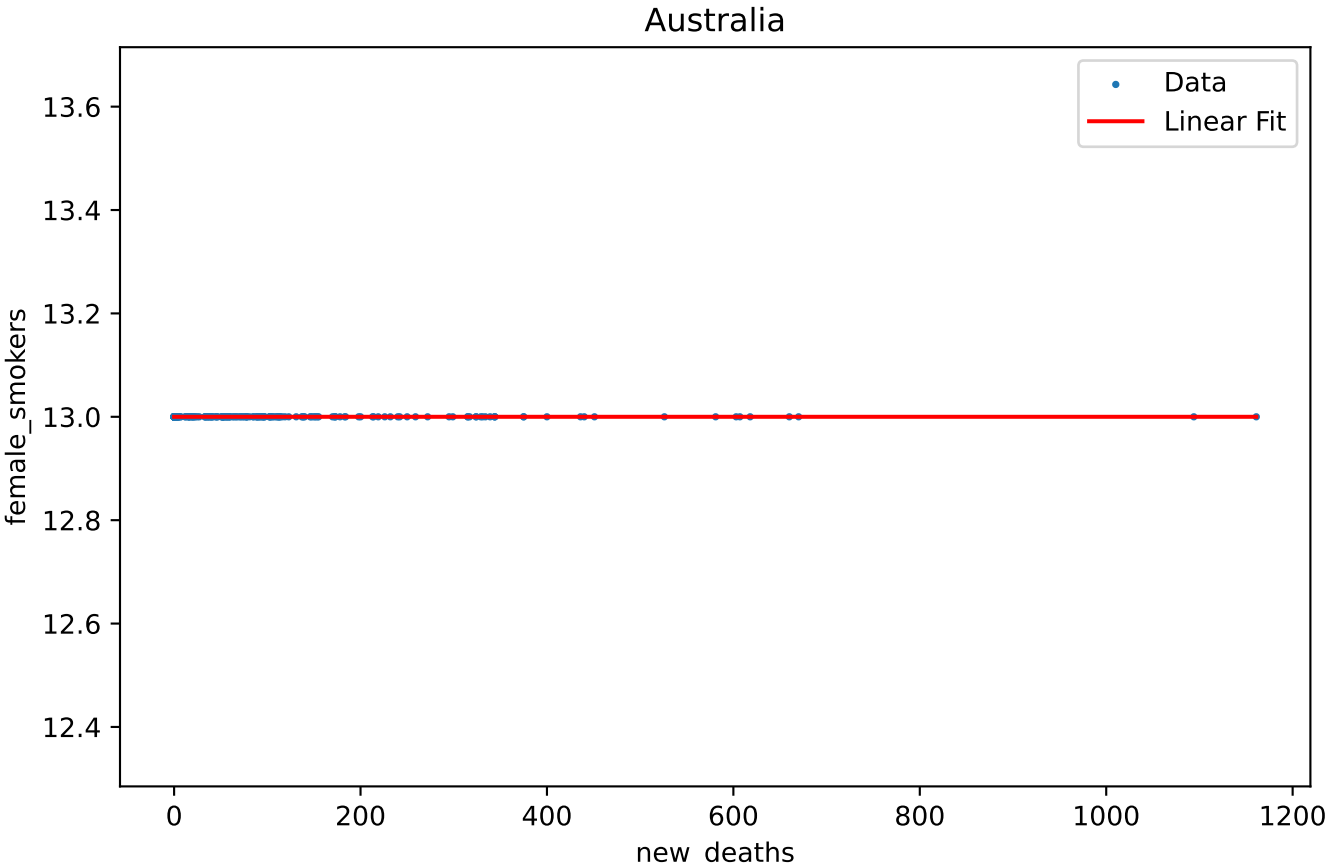

Italy
1e−11+1.98e1
Data
Linear Fit
female_smokers
1.5
1.0
0.5
−0.0
−0.5
−1.0
−1.5
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

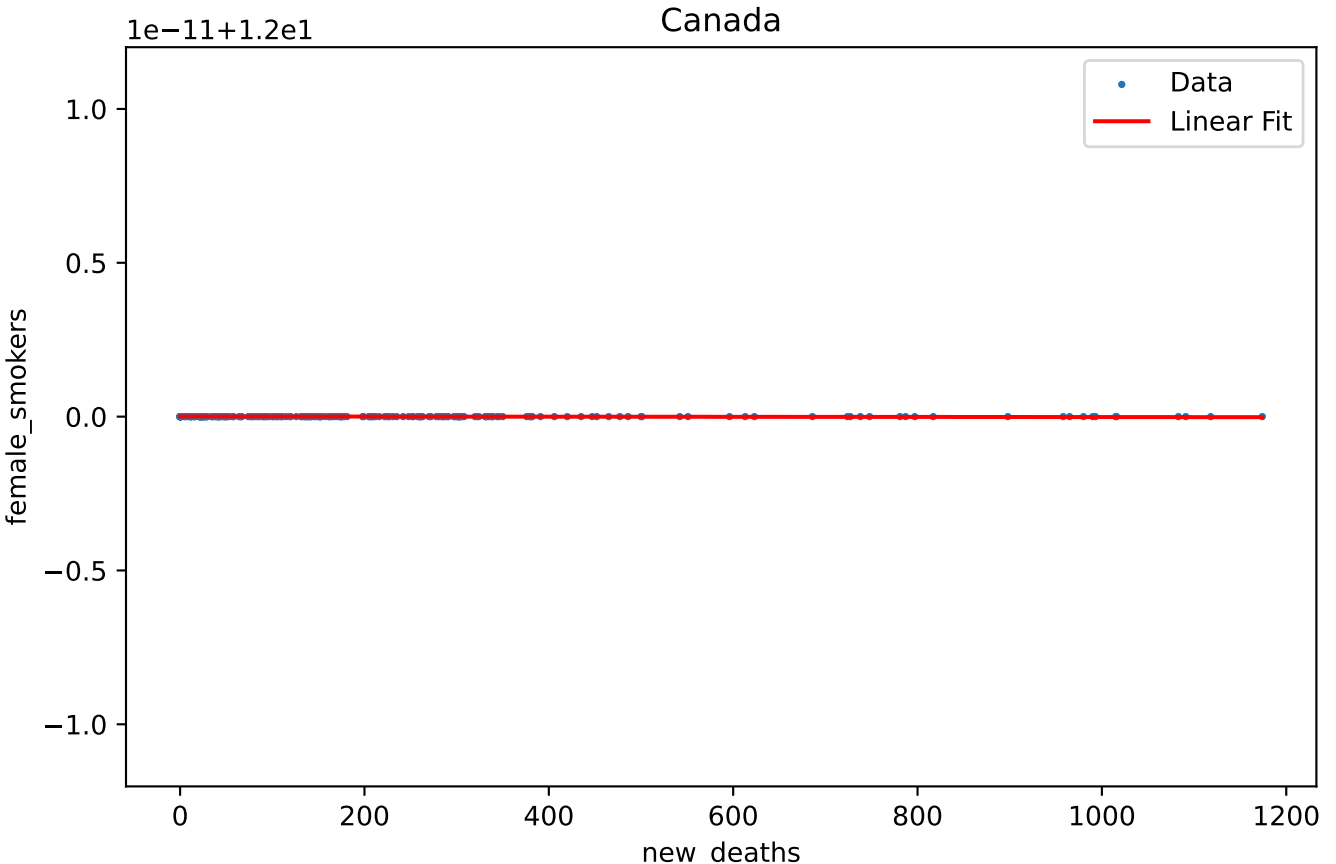

All Countries
female_smokers
new_cases
1e6
0
5
10
15
20
25
30
35
0.0
0.2
0.4
0.6
0.8
1.0
1.2
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

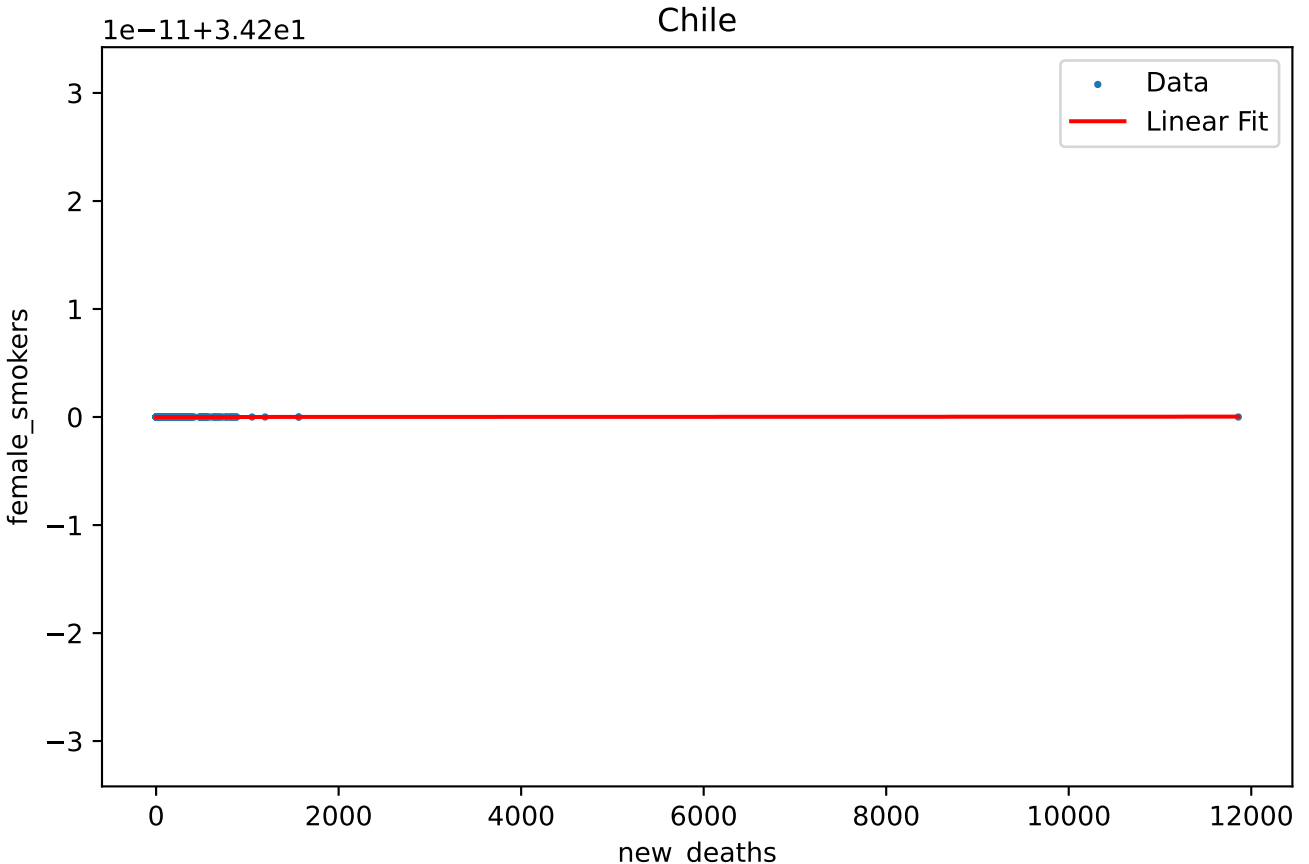

South Africa
1e−11+8.1
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
female_smokers
0
500
1000
1500
2000
2500
3000
3500
4000
new_deaths
Data
Linear Fit

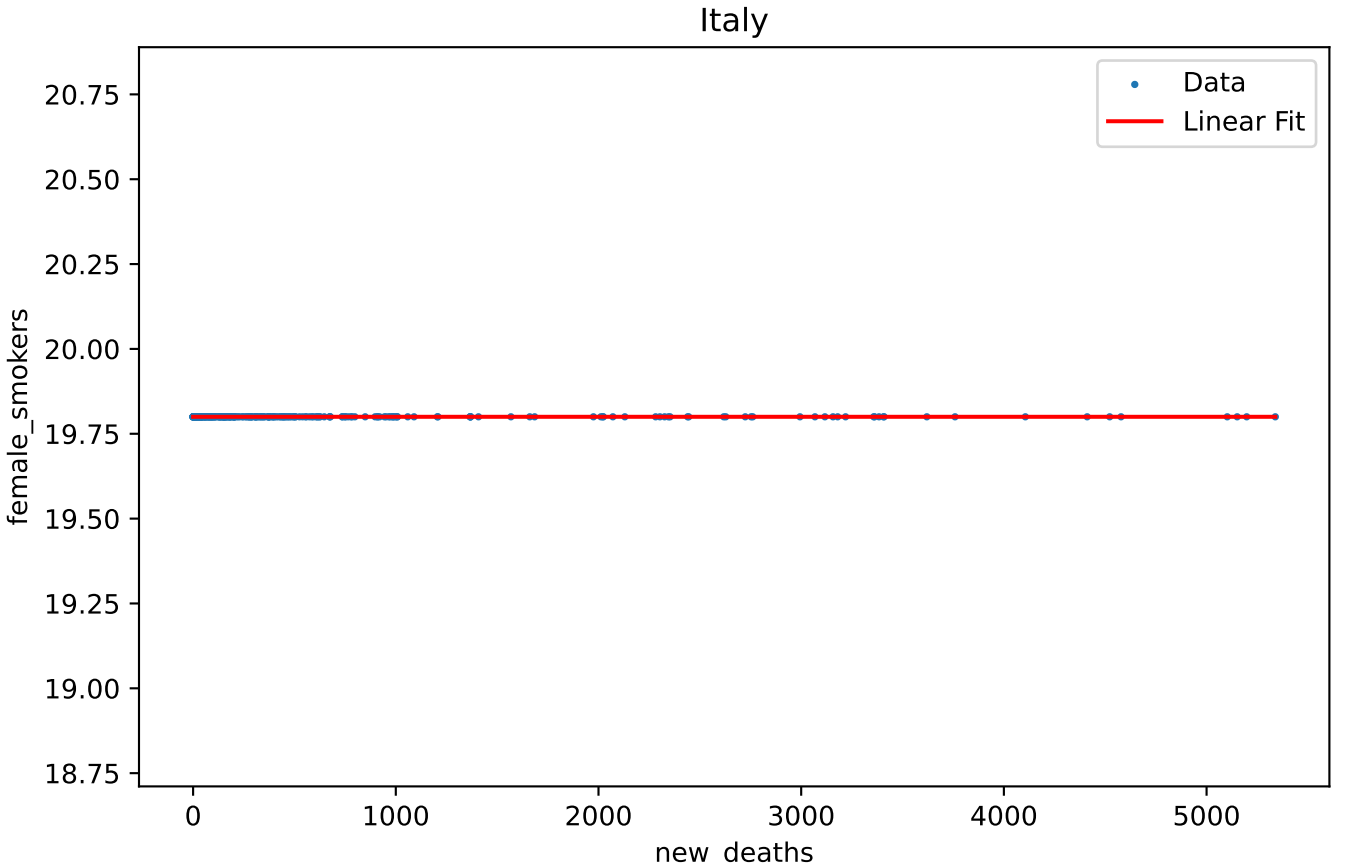

Malaysia
Data
Linear Fit
female_smokers
1.04
1.02
1.00
0.98
0.96
0
500
1000
1500
2000
2500
new_deaths

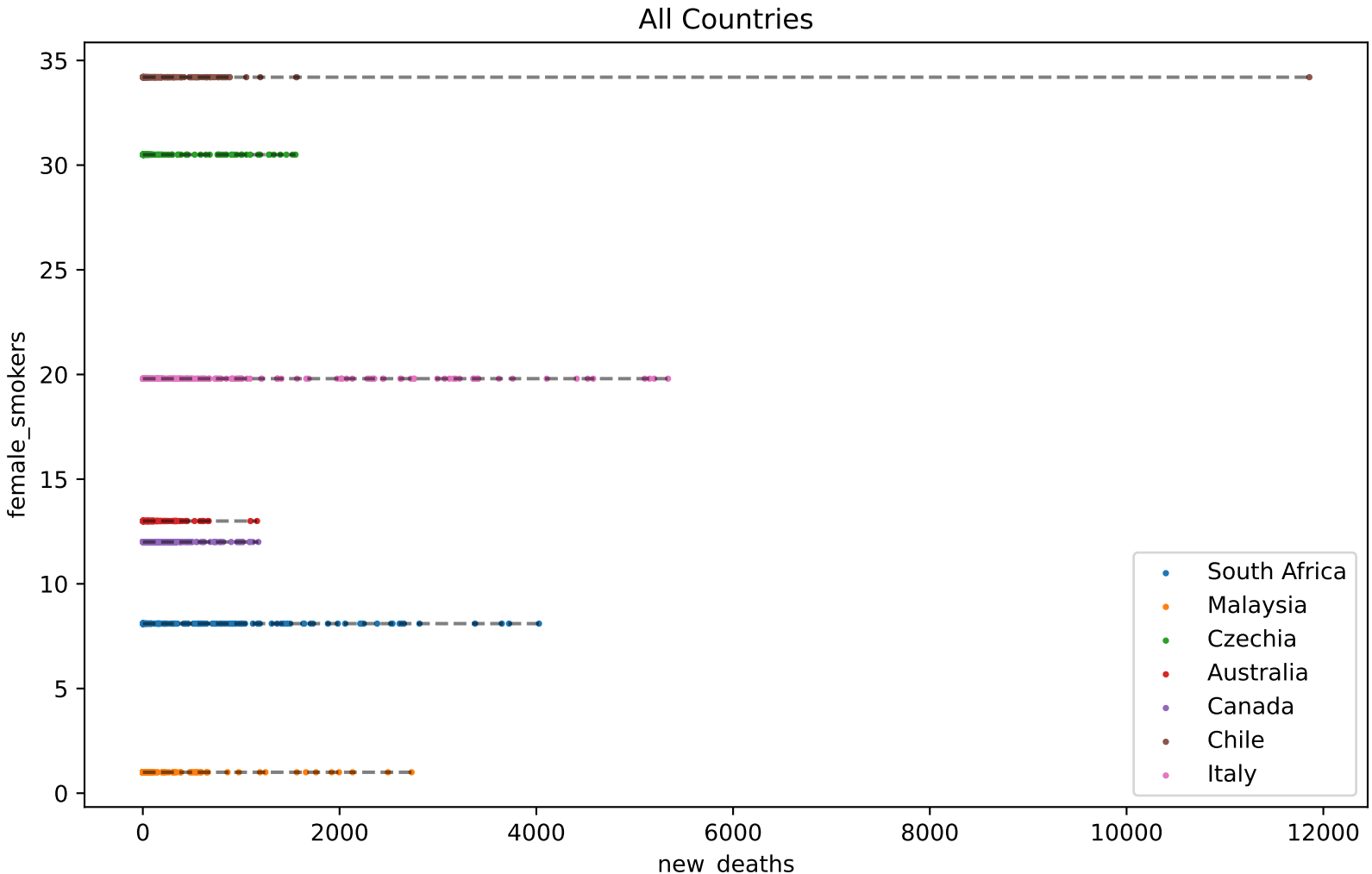

Czechia
Data
Linear Fit
female_smokers
new_deaths
32.0
31.5
31.0
30.5
30.0
29.5
29.0
0
200
400
600
800
1000
1200
1400
1600

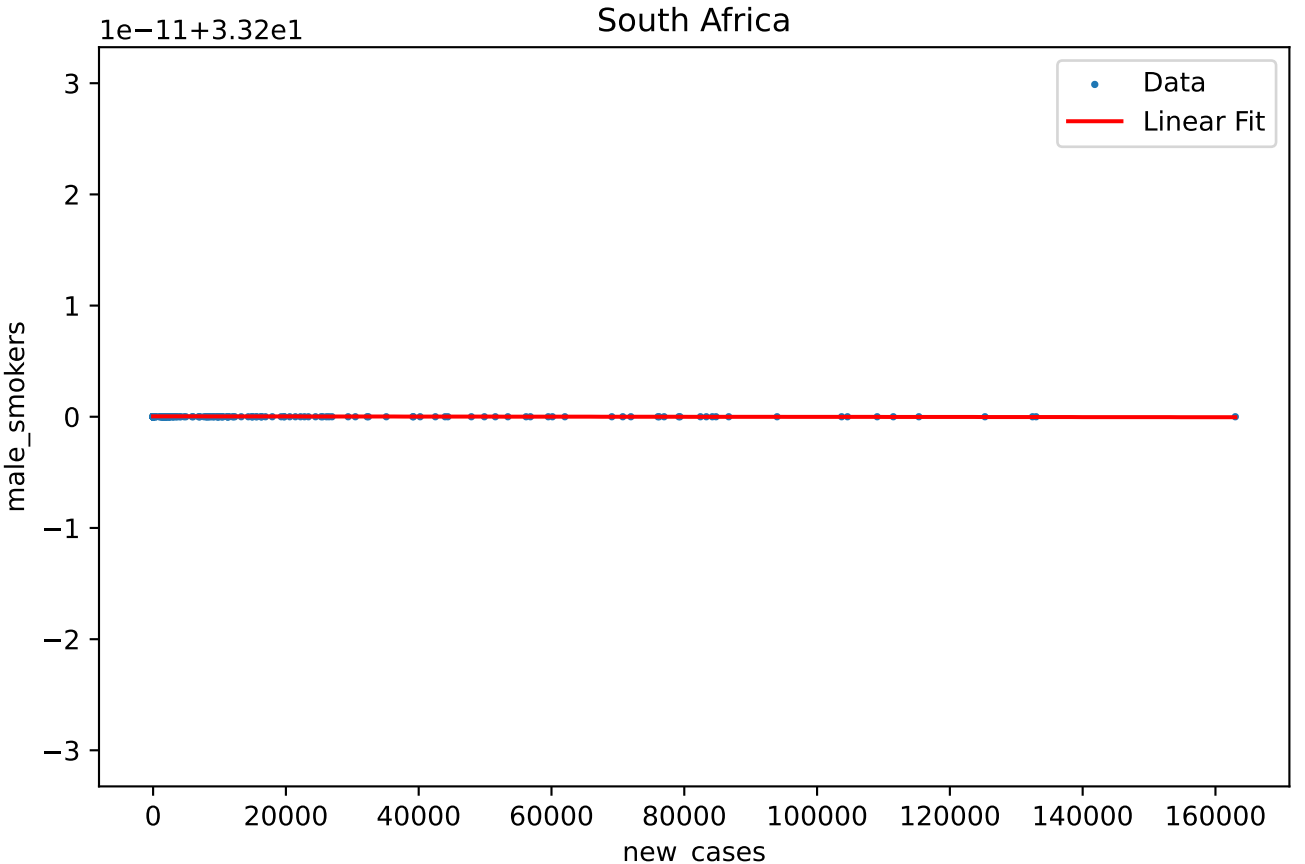

Australia
Data
Linear Fit
13.6
13.4
13.2
13.0
12.8
12.6
12.4
female_smokers
0
200
400
600
800
1000
1200
new_deaths

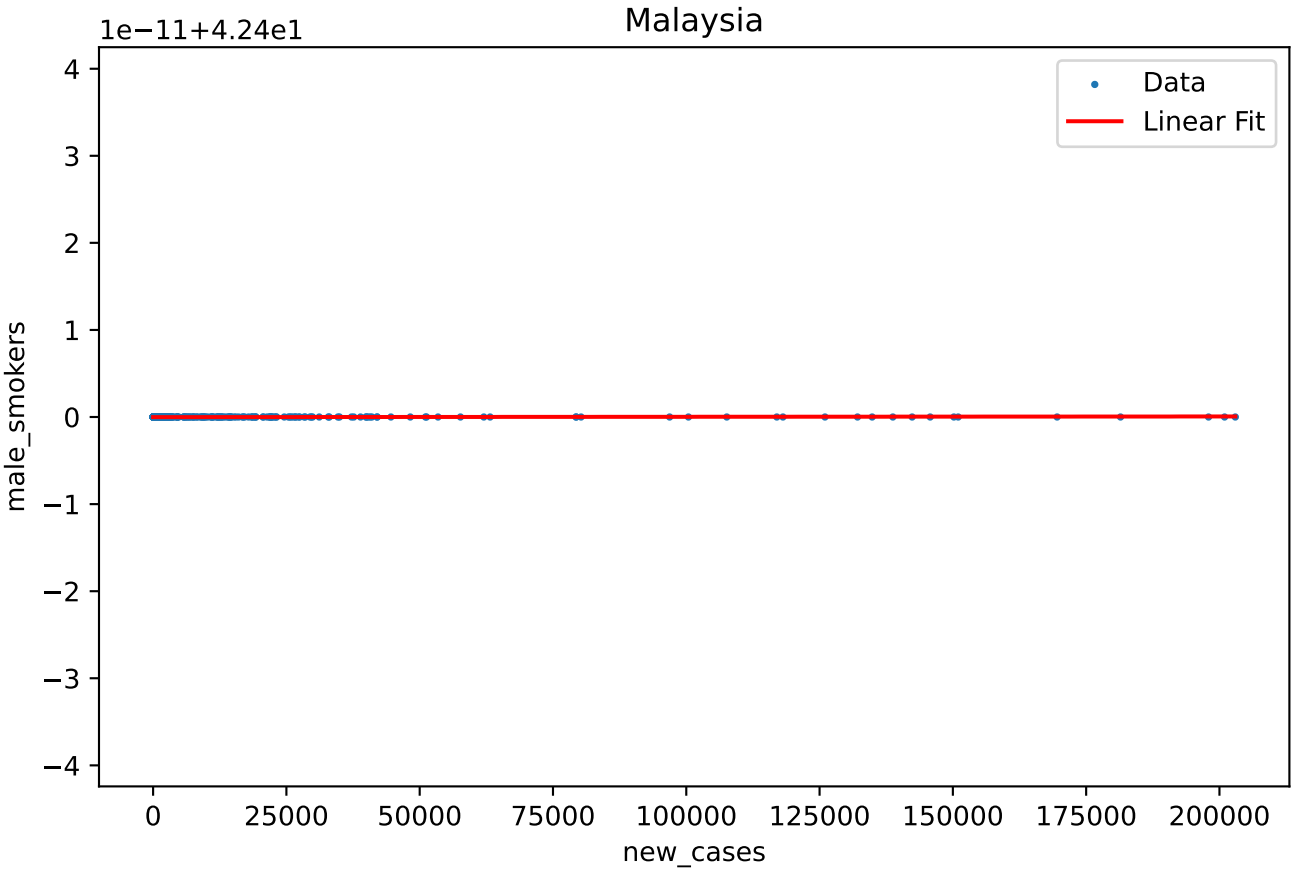

Canada
1e−11+1.2e1
1.0
0.5
0.0
−0.5
−1.0
female_smokers
0
200
400
600
800
1000
1200
new_deaths
Data
Linear Fit

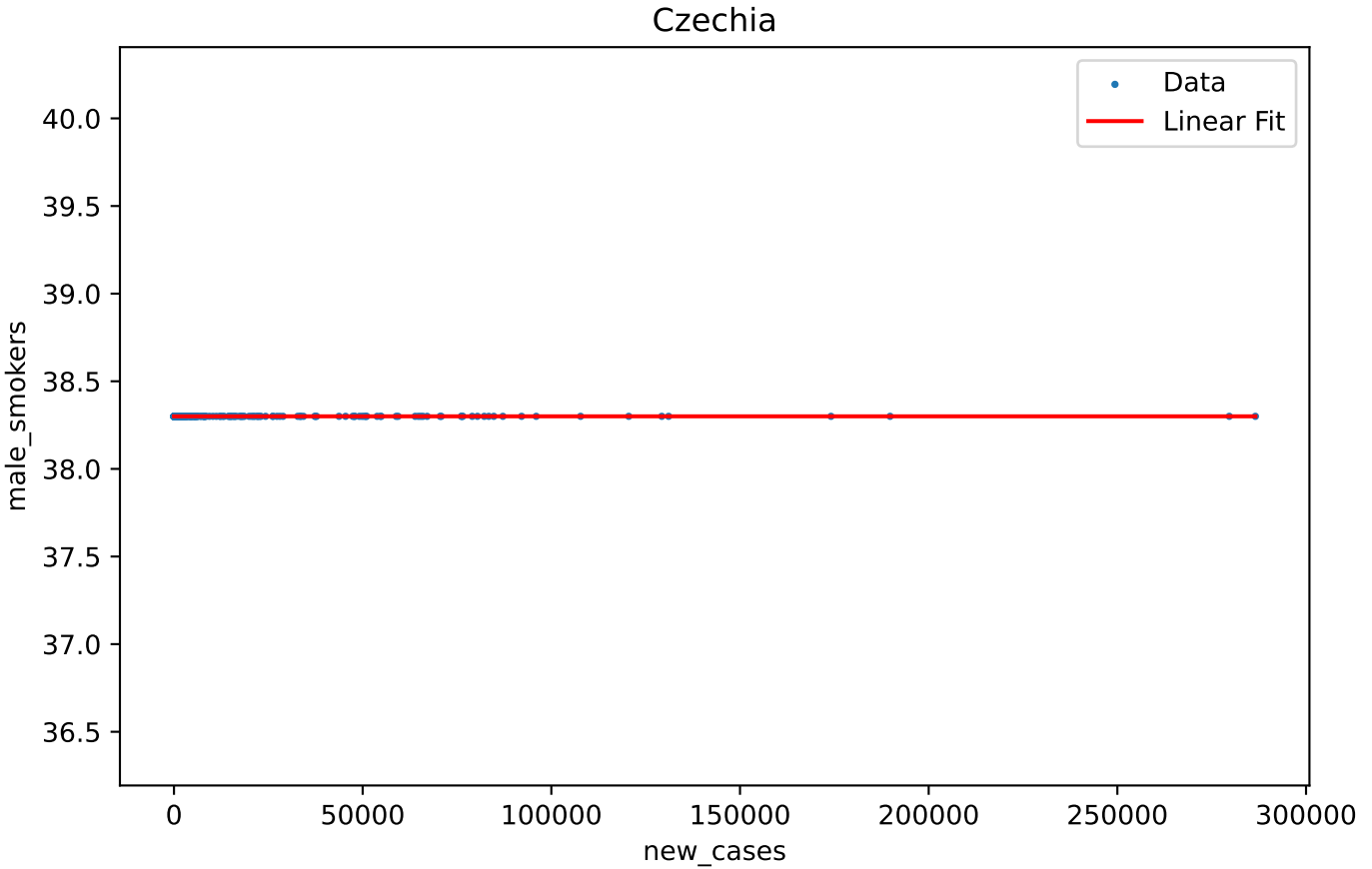

Chile
1e−11+3.42e1
Data
Linear Fit
female_smokers
new_deaths
3
2
1
0
−1
−2
−3
0
2000
4000
6000
8000
10000
12000

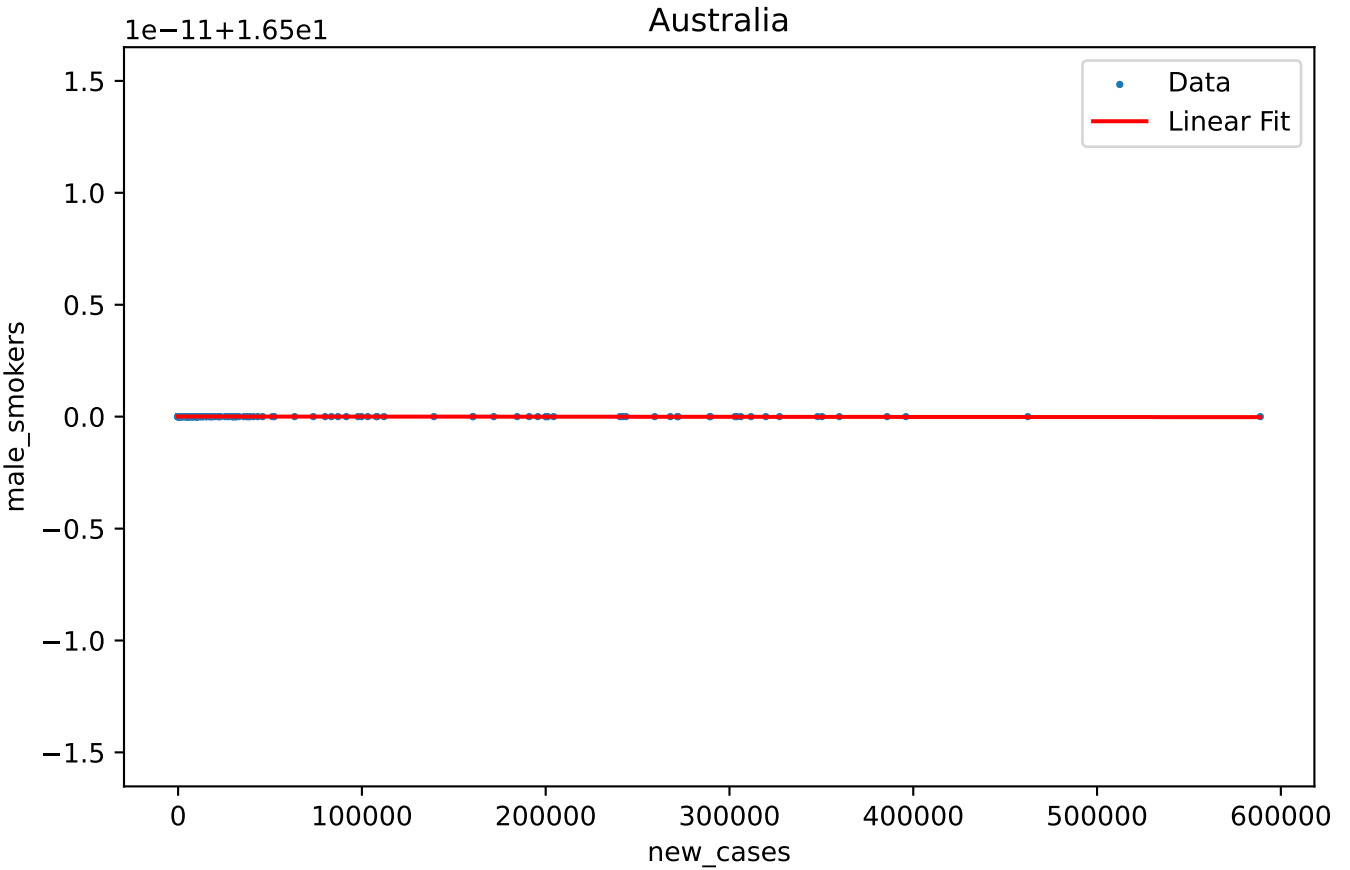

Italy
Data
Linear Fit
20.75
20.50
20.25
20.00
19.75
19.50
19.25
19.00
18.75
female_smokers
0
1000
2000
3000
4000
5000
new_deaths

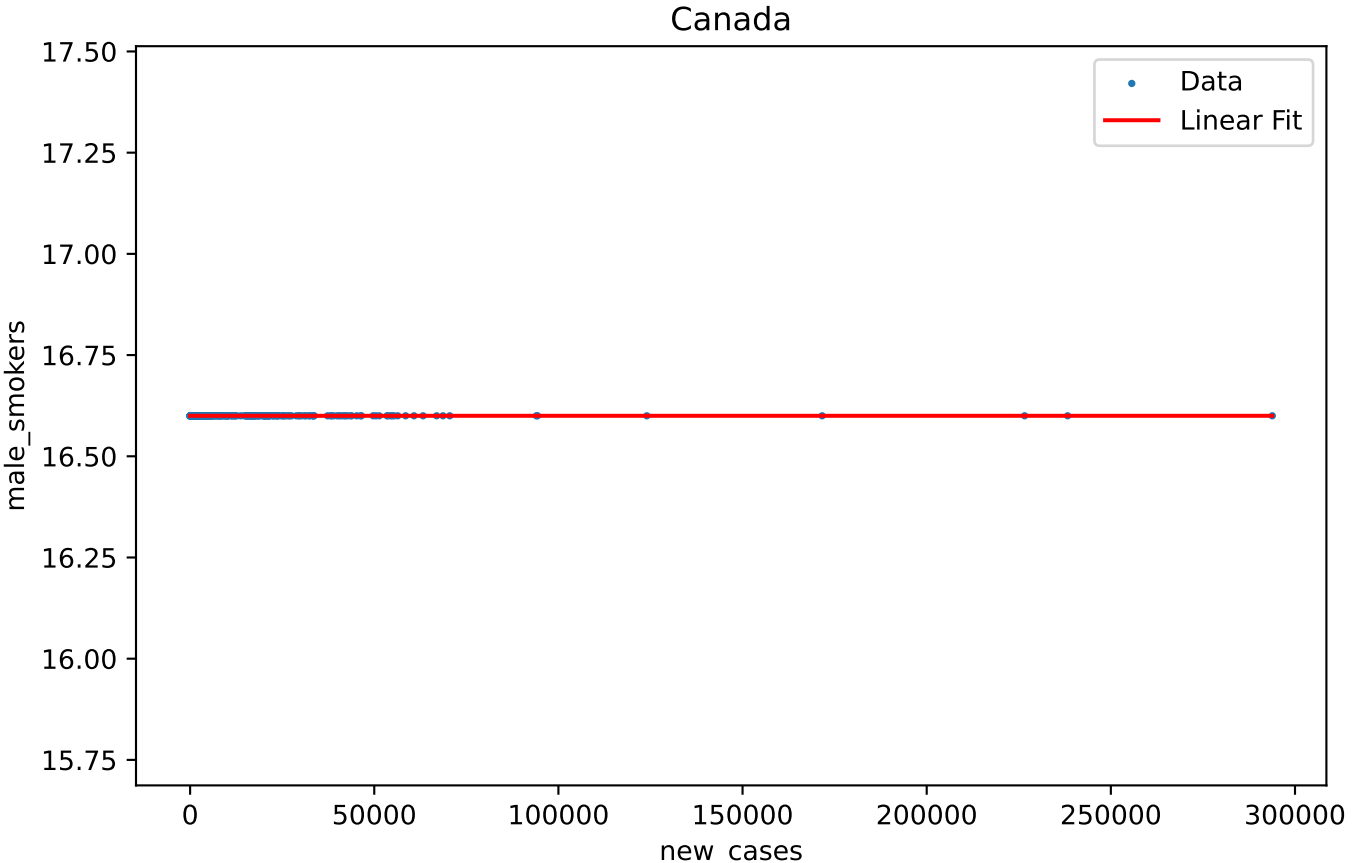

All Countries
female_smokers
new_deaths
0
5
10
15
20
25
30
35
0
2000
4000
6000
8000
10000
12000
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

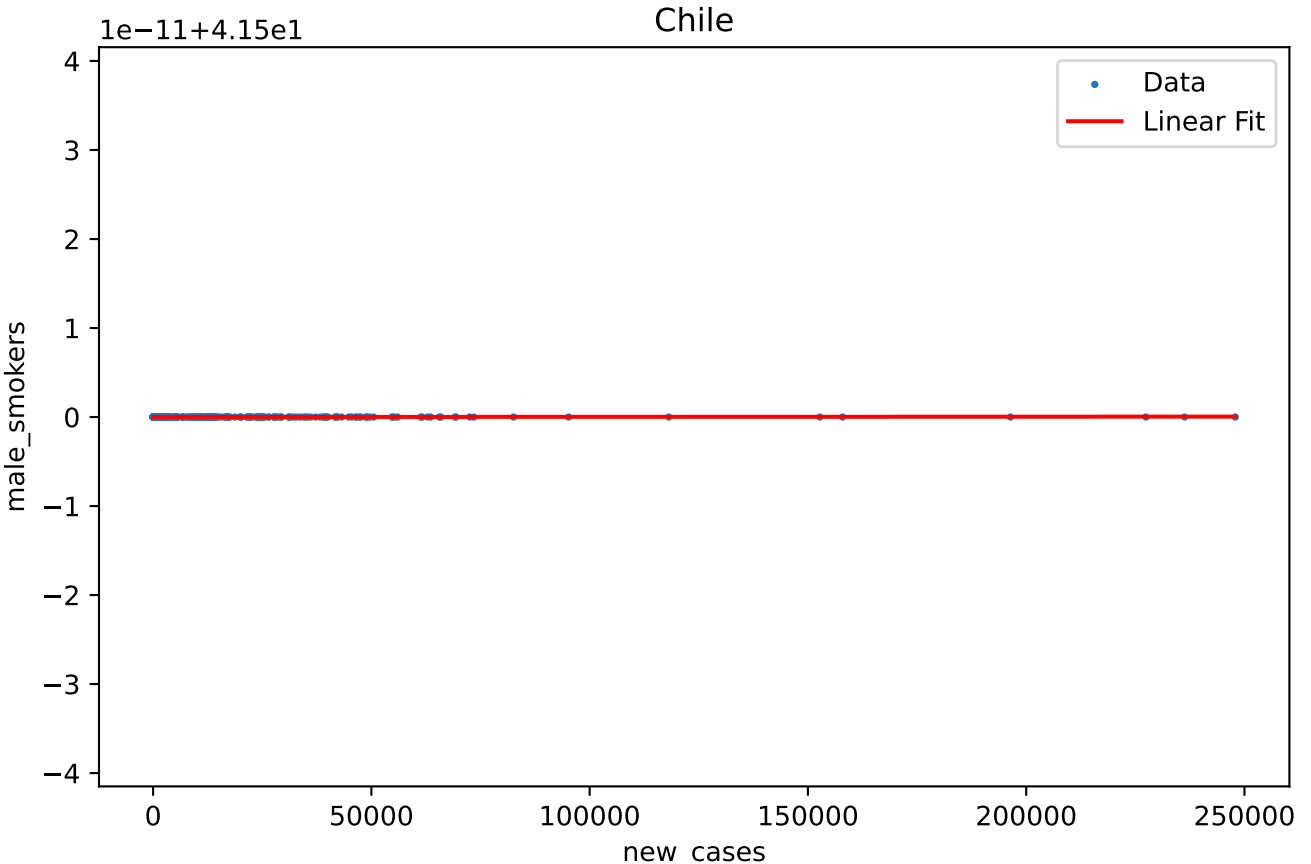

South Africa
1e−11+3.32e1
Data
Linear Fit
male_smokers
new_cases
3
2
1
0
−1
−2
−3
0
20000
40000
60000
80000
100000
120000
140000
160000

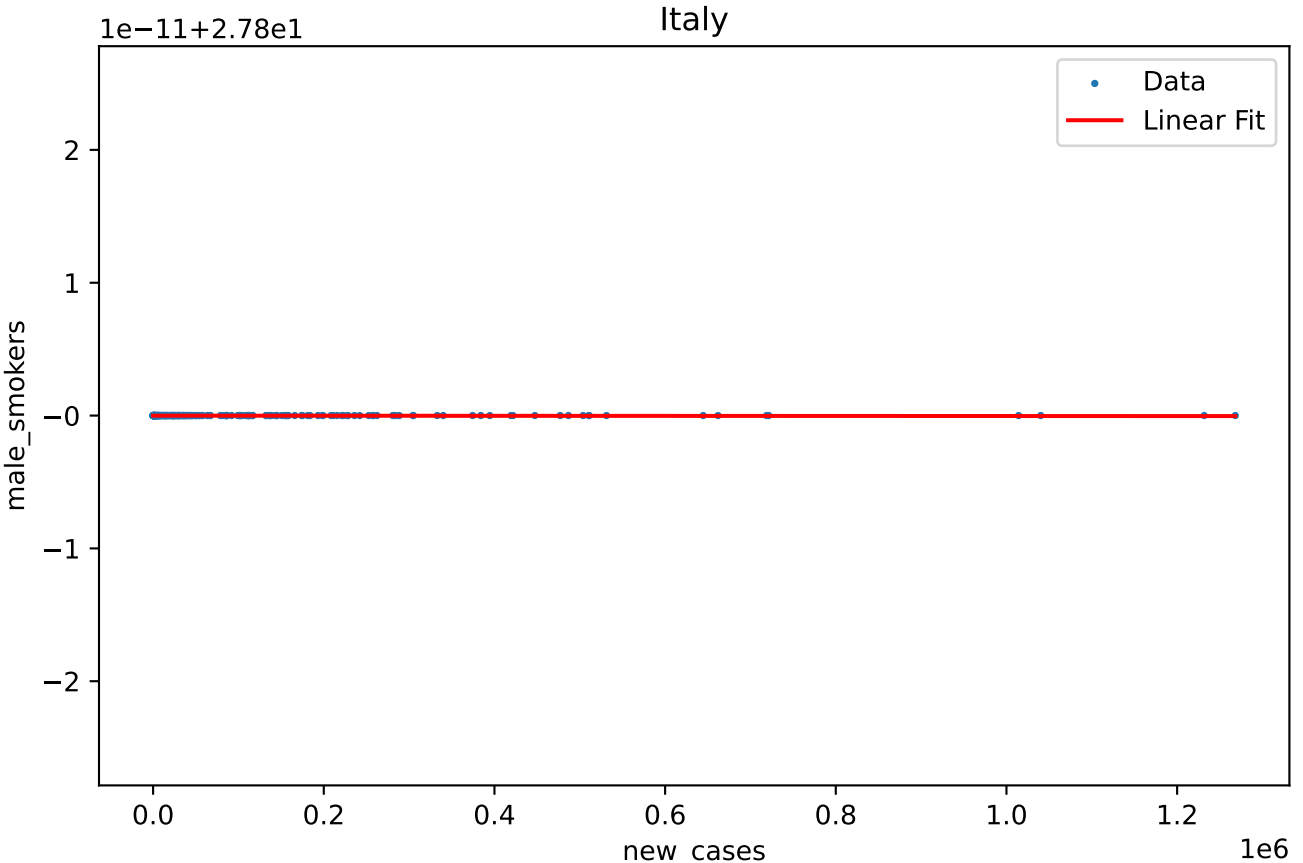

Malaysia
1e−11+4.24e1
Data
Linear Fit
male_smokers
new_cases
4
3
2
1
0
−1
−2
−3
−4
0
25000
50000
75000
100000
125000
150000
175000
200000

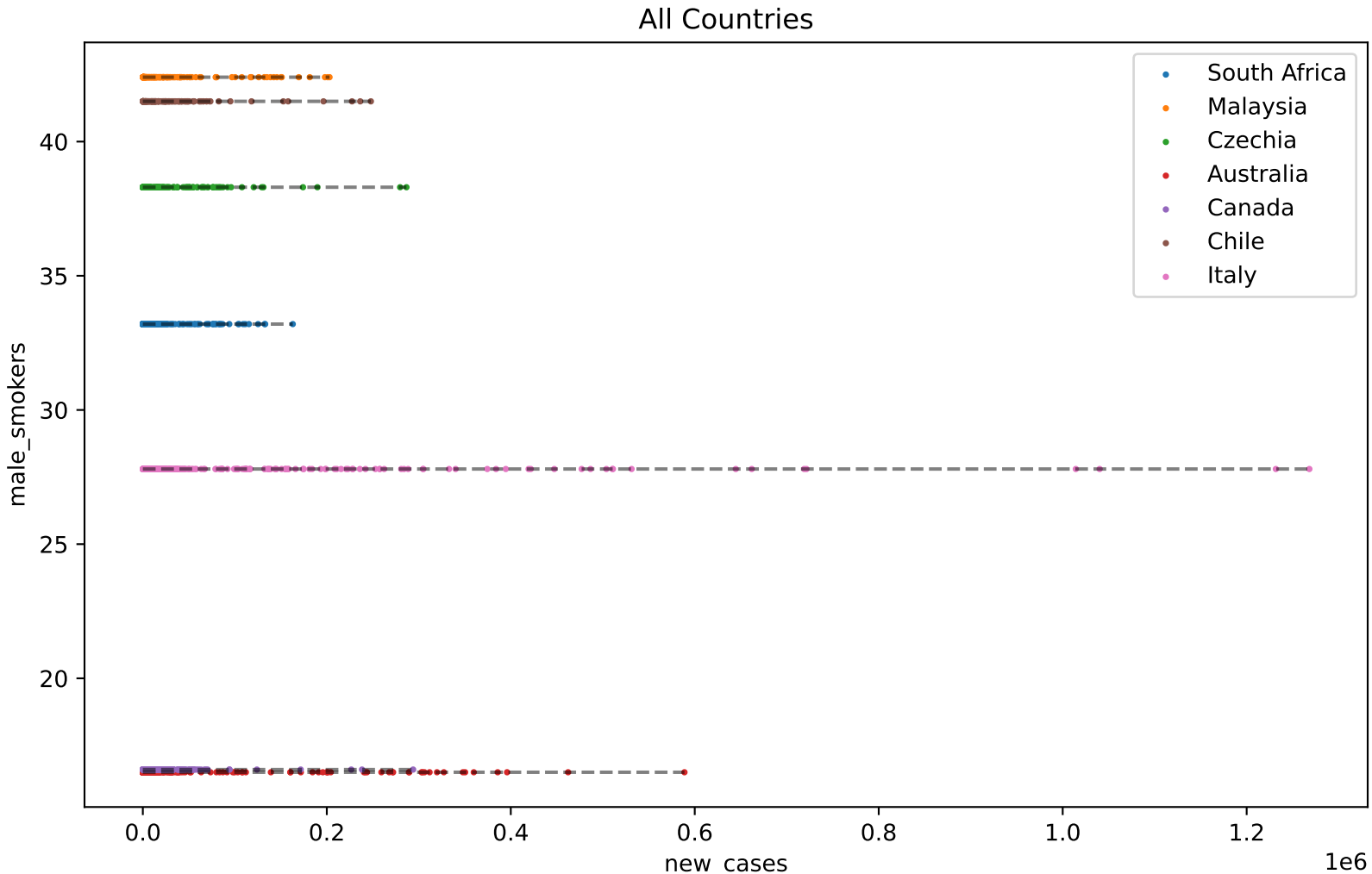

Czechia
Data
Linear Fit
40.0
39.5
39.0
38.5
38.0
37.5
37.0
36.5
male_smokers
0
50000
100000
150000
200000
250000
300000
new_cases

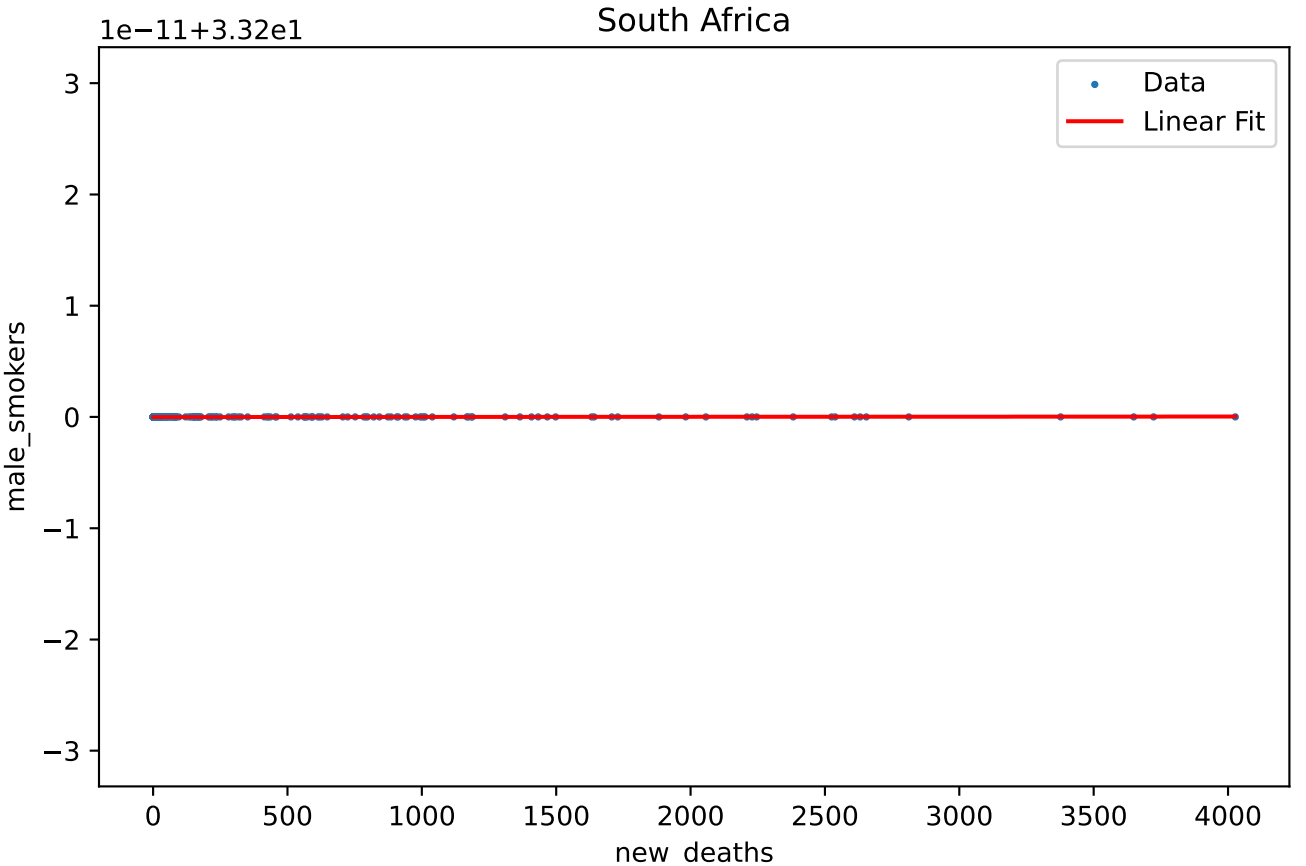

Australia
1e−11+1.65e1
Data
Linear Fit
male_smokers
new_cases
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
0
100000
200000
300000
400000
500000
600000

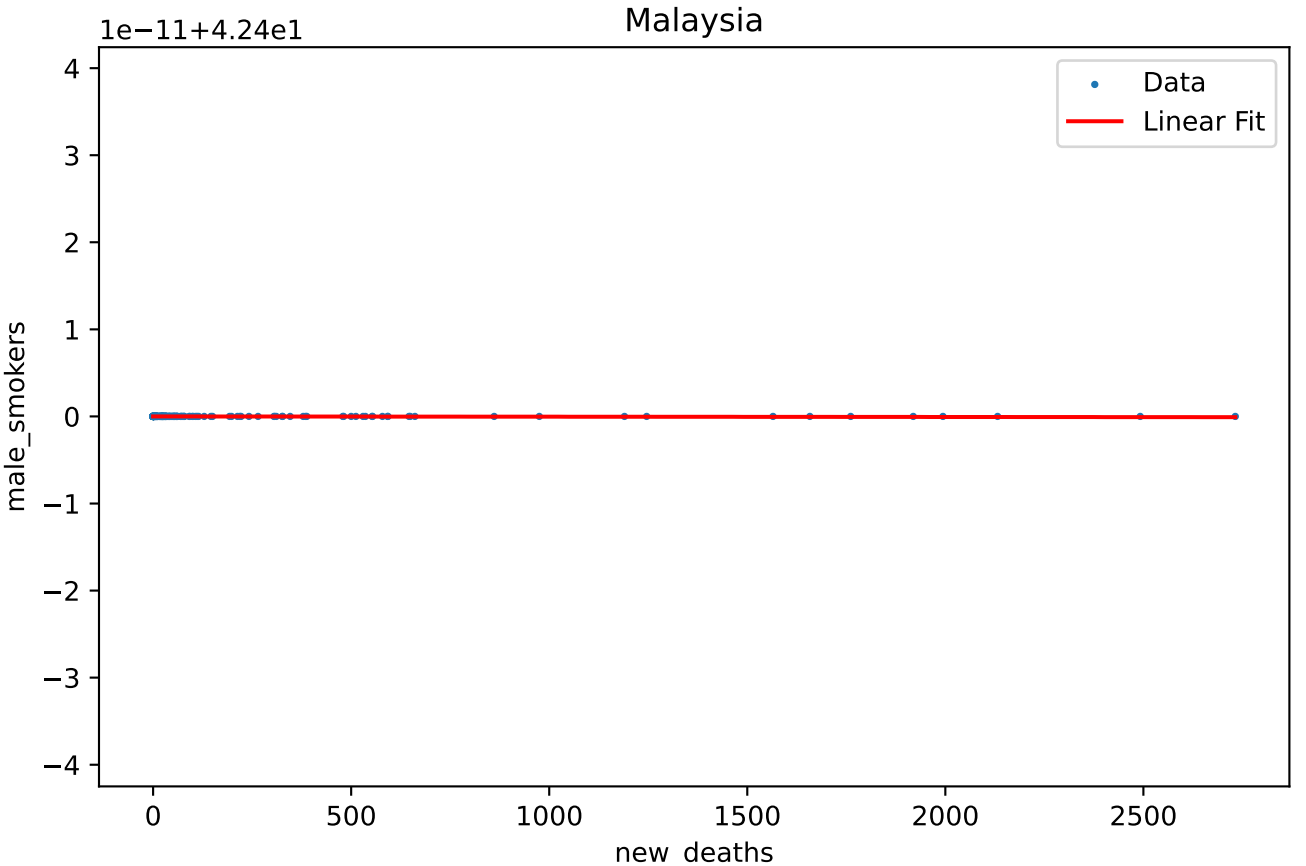

Canada
Data
Linear Fit
17.50
17.25
17.00
16.75
16.50
16.25
16.00
15.75
male_smokers
0
50000
100000
150000
200000
250000
300000
new_cases

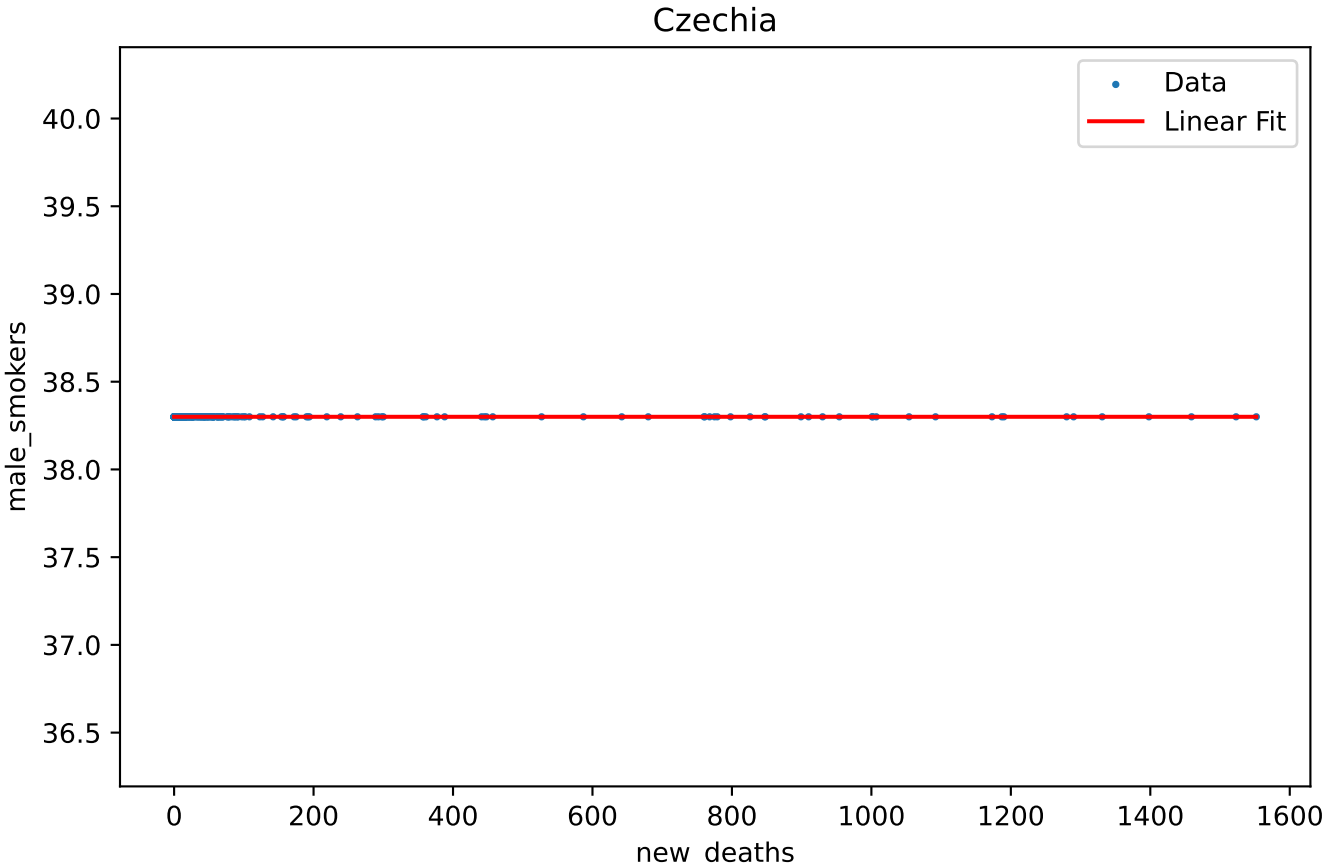

Chile
1e−11+4.15e1
4
3
2
1
0
−1
−2
−3
−4
male_smokers
0
50000
100000
150000
200000
250000
new_cases
Data
Linear Fit

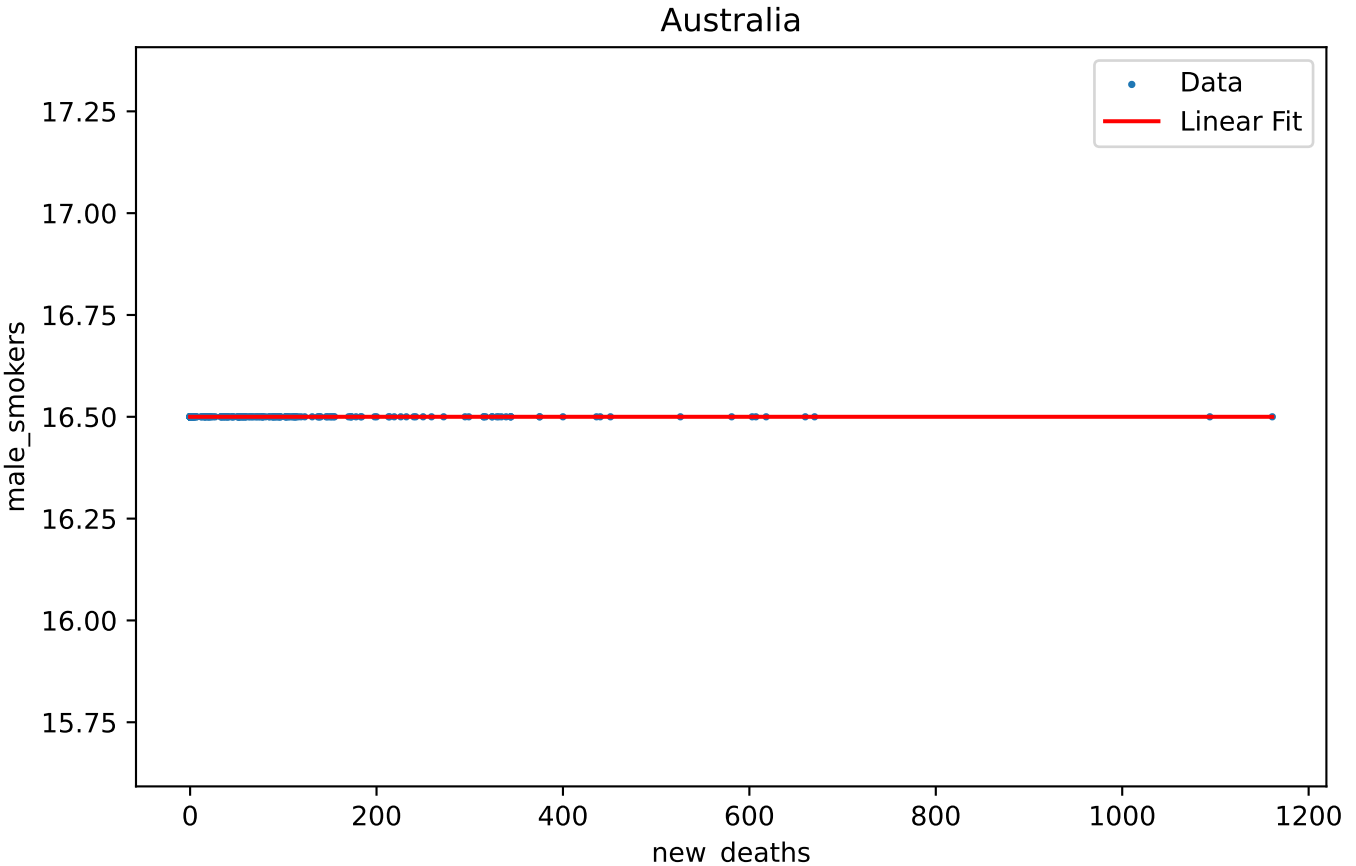

Italy
1e−11+2.78e1
Data
Linear Fit
male_smokers
2
1
−0
−1
−2
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

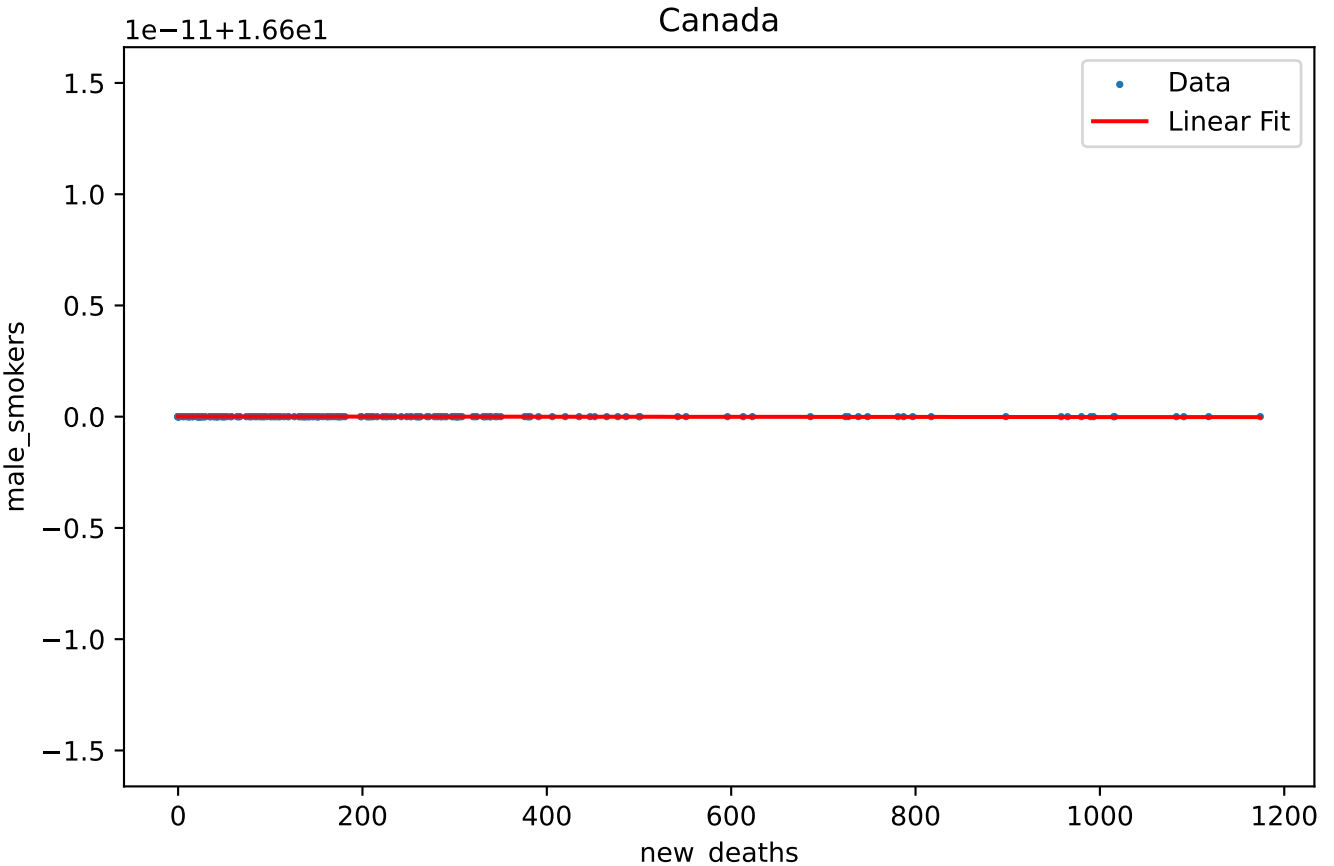

All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
male_smokers
40
35
30
25
20
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

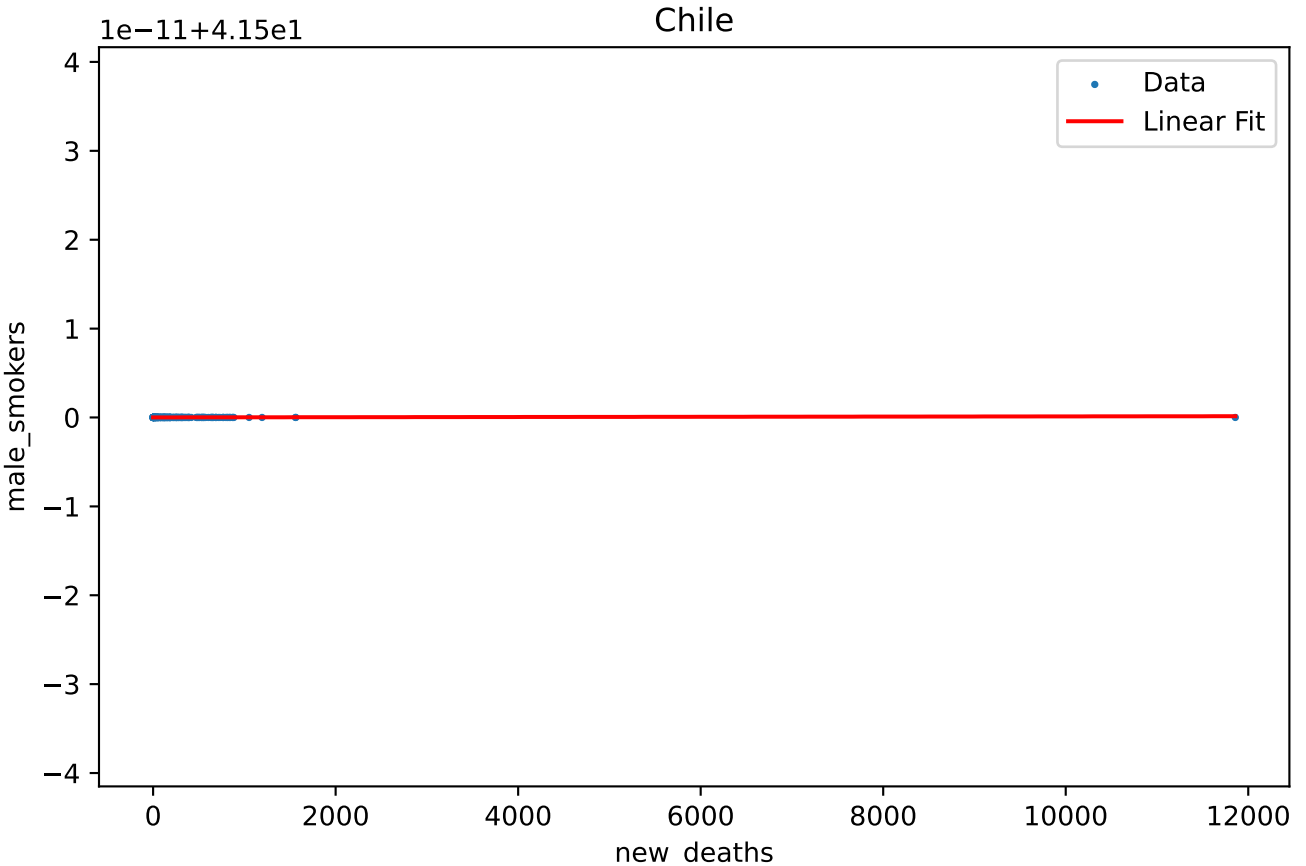

South Africa
1e−11+3.32e1
Data
Linear Fit
male_smokers
new_deaths
3
2
1
0
−1
−2
−3
0
500
1000
1500
2000
2500
3000
3500
4000

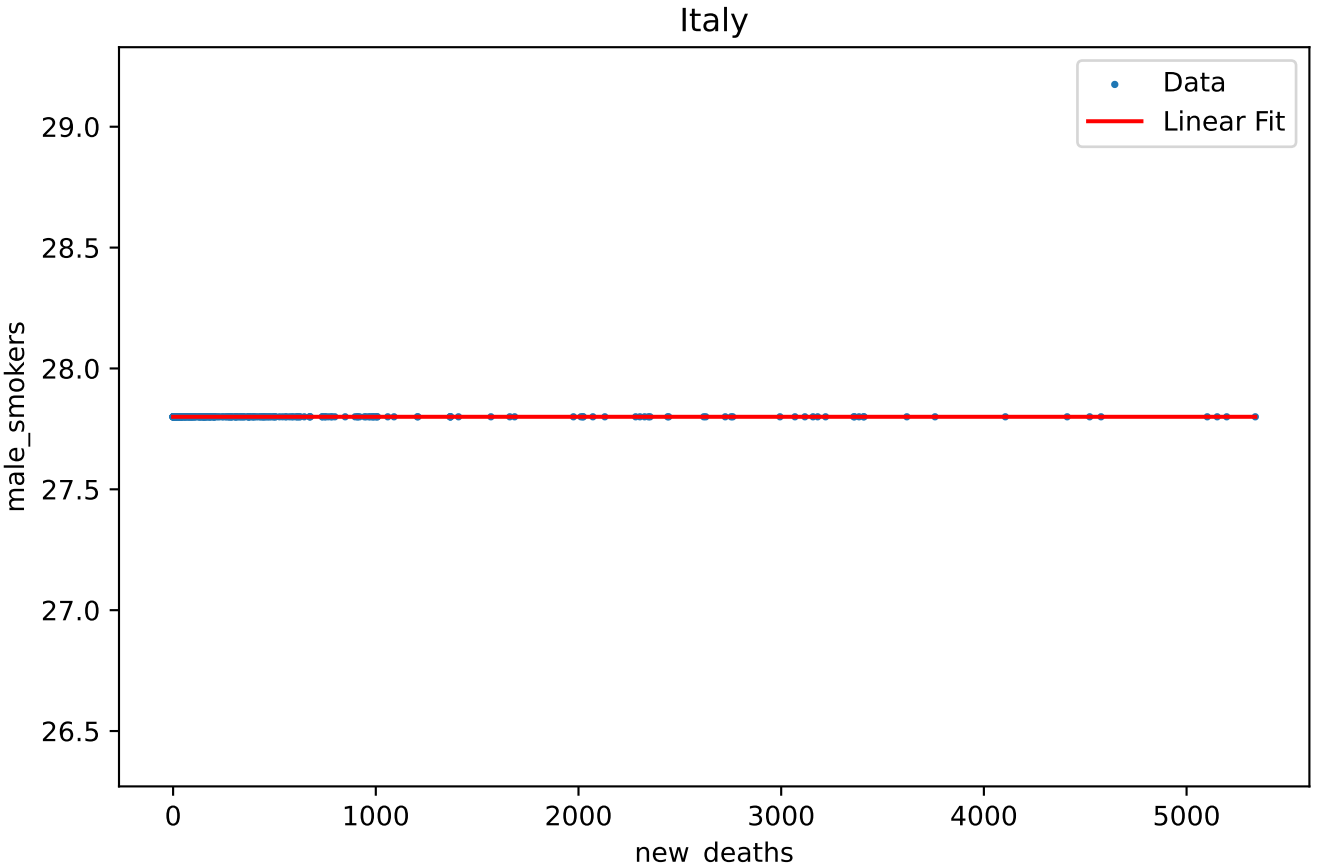

Malaysia
1e−11+4.24e1
Data
Linear Fit
male_smokers
new_deaths
4
3
2
1
0
−1
−2
−3
−4
0
500
1000
1500
2000
2500

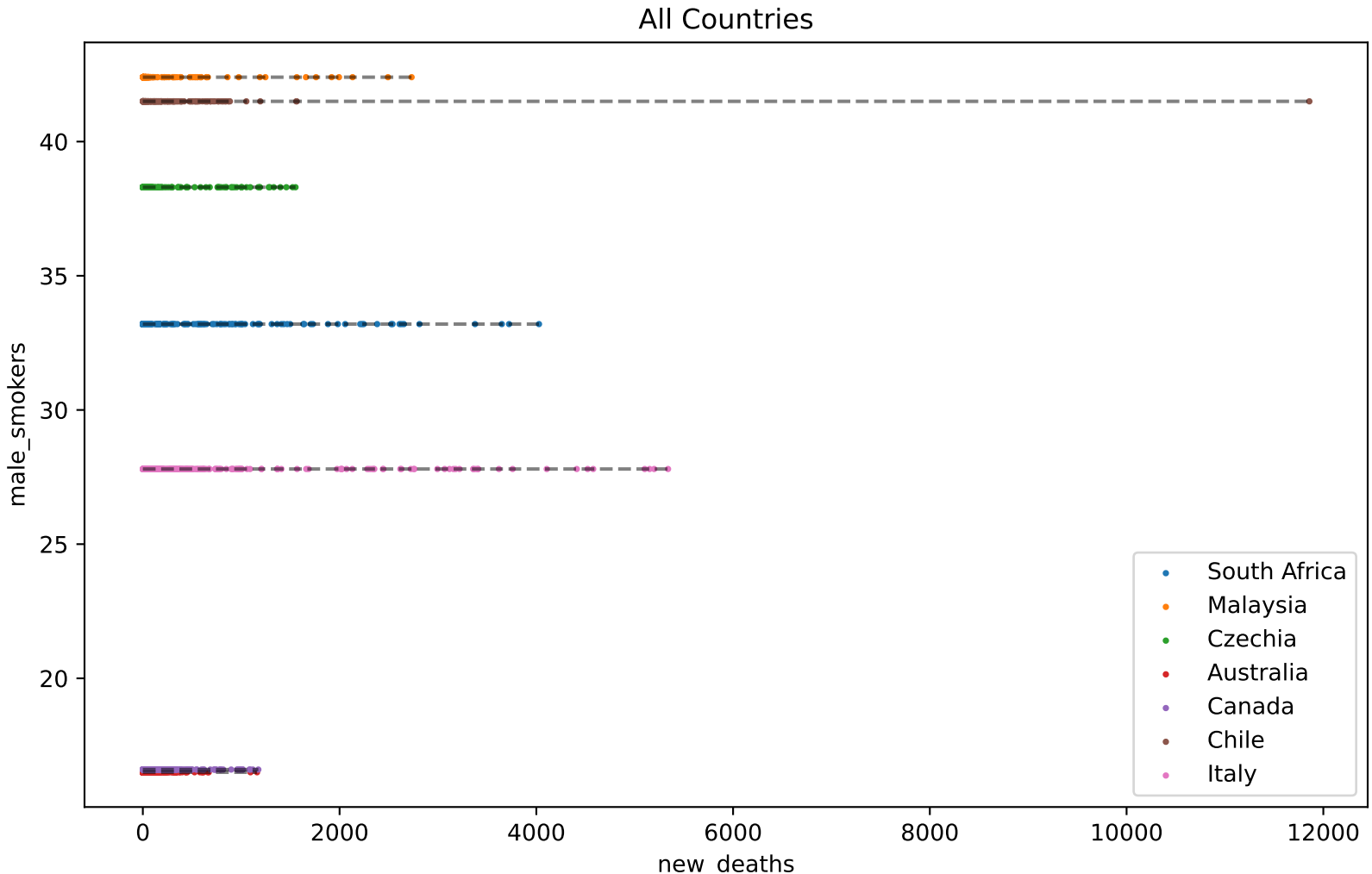

Czechia
Data
Linear Fit
40.0
39.5
39.0
38.5
38.0
37.5
37.0
36.5
male_smokers
0
200
400
600
800
1000
1200
1400
1600
new_deaths

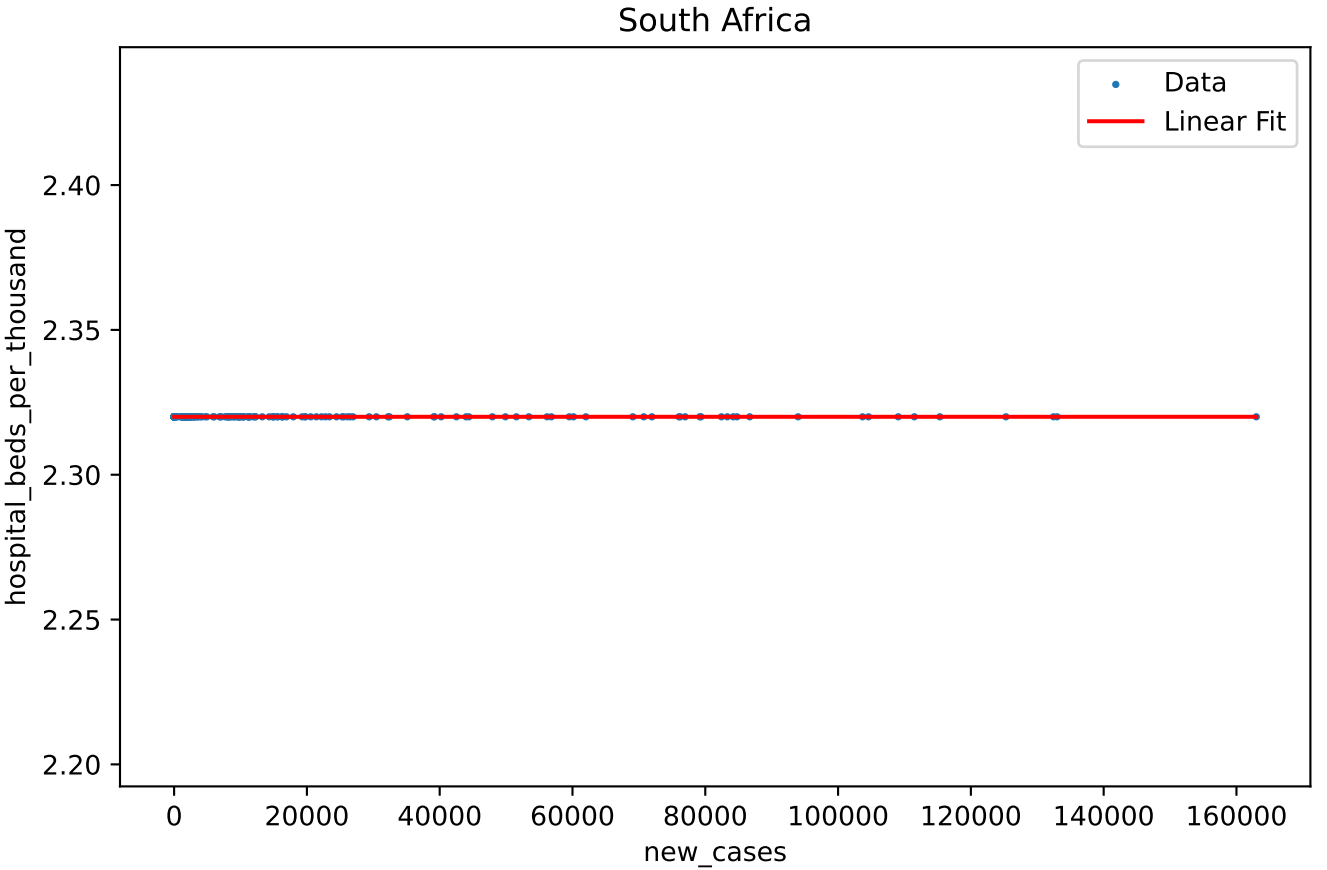

Australia
Data
Linear Fit
17.25
17.00
16.75
16.50
16.25
16.00
15.75
male_smokers
0
200
400
600
800
1000
1200
new_deaths

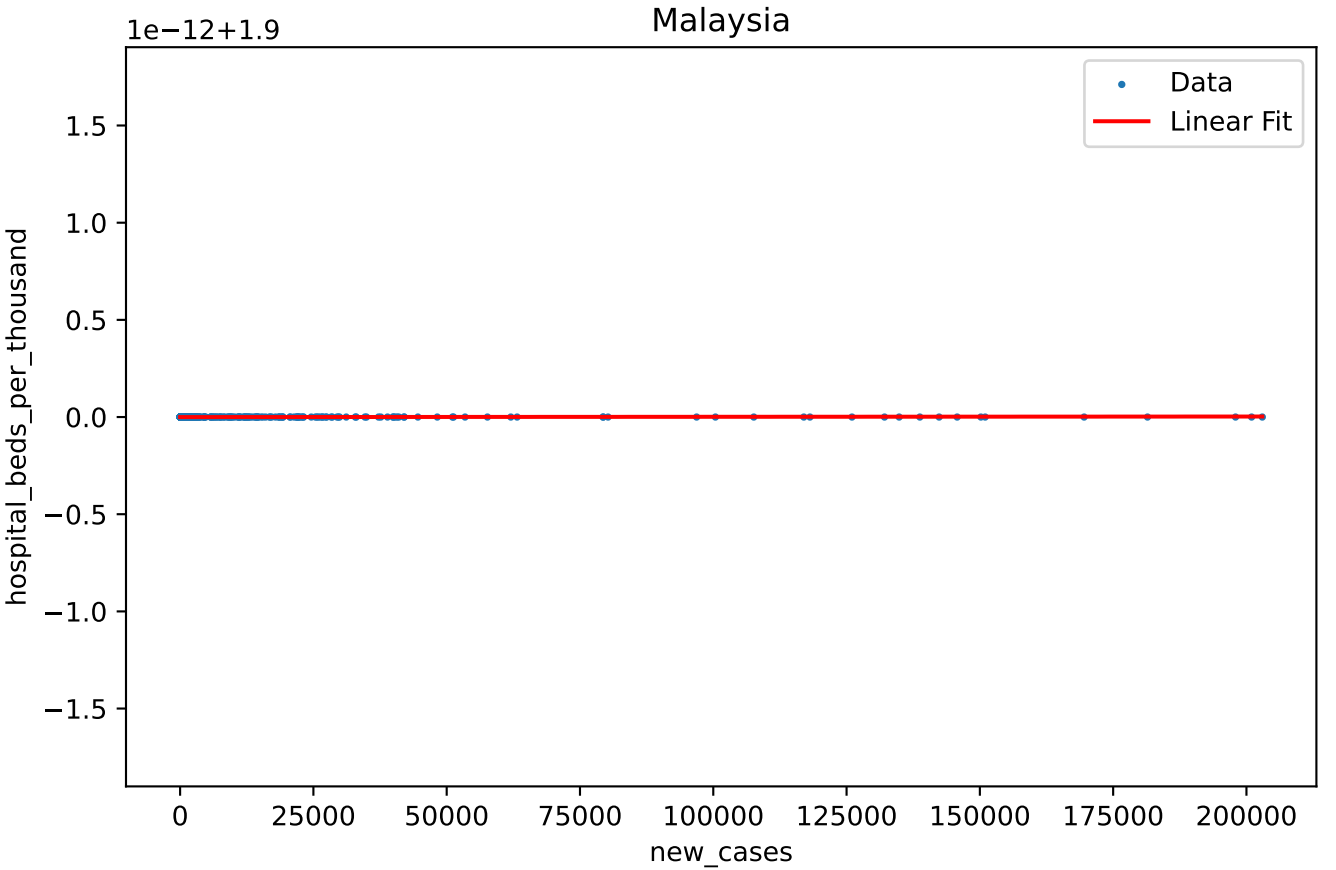

Canada
1e−11+1.66e1
Data
Linear Fit
male_smokers
new_deaths
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
0
200
400
600
800
1000
1200

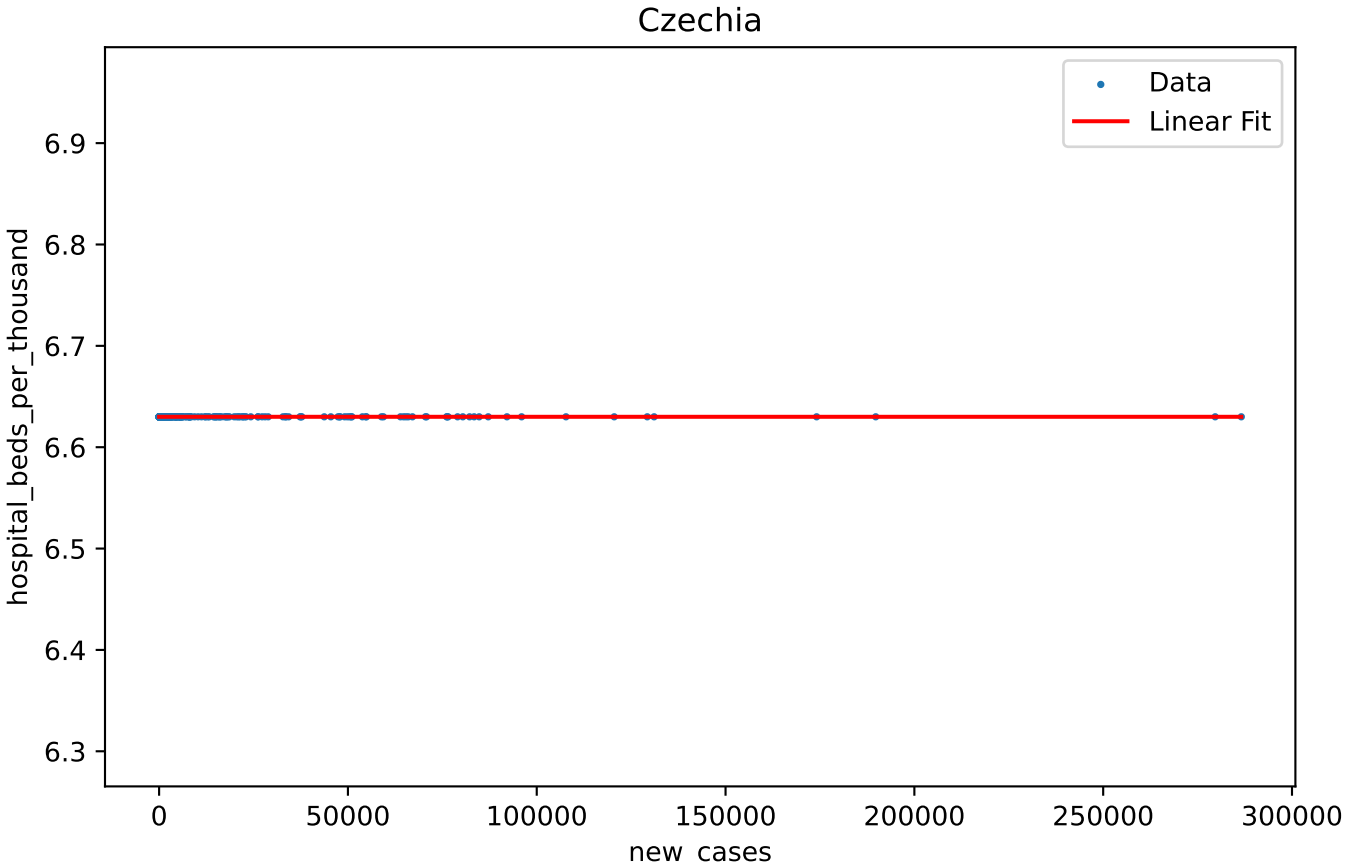

Chile
1e−11+4.15e1
4
3
2
1
0
−1
−2
−3
−4
male_smokers
0
2000
4000
6000
8000
10000
12000
new_deaths
Data
Linear Fit

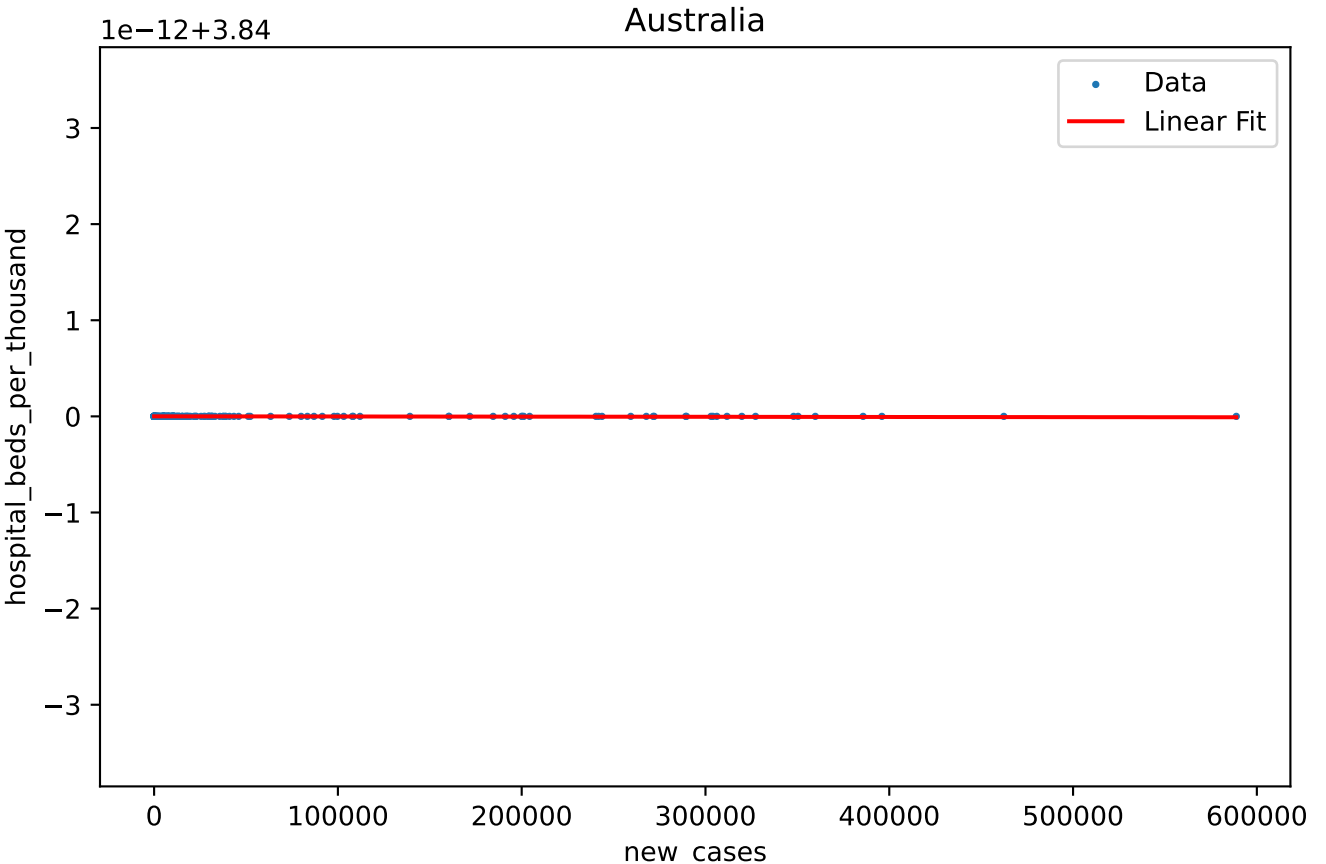

Italy
Data
Linear Fit
29.0
28.5
28.0
27.5
27.0
26.5
male_smokers
0
1000
2000
3000
4000
5000
new_deaths

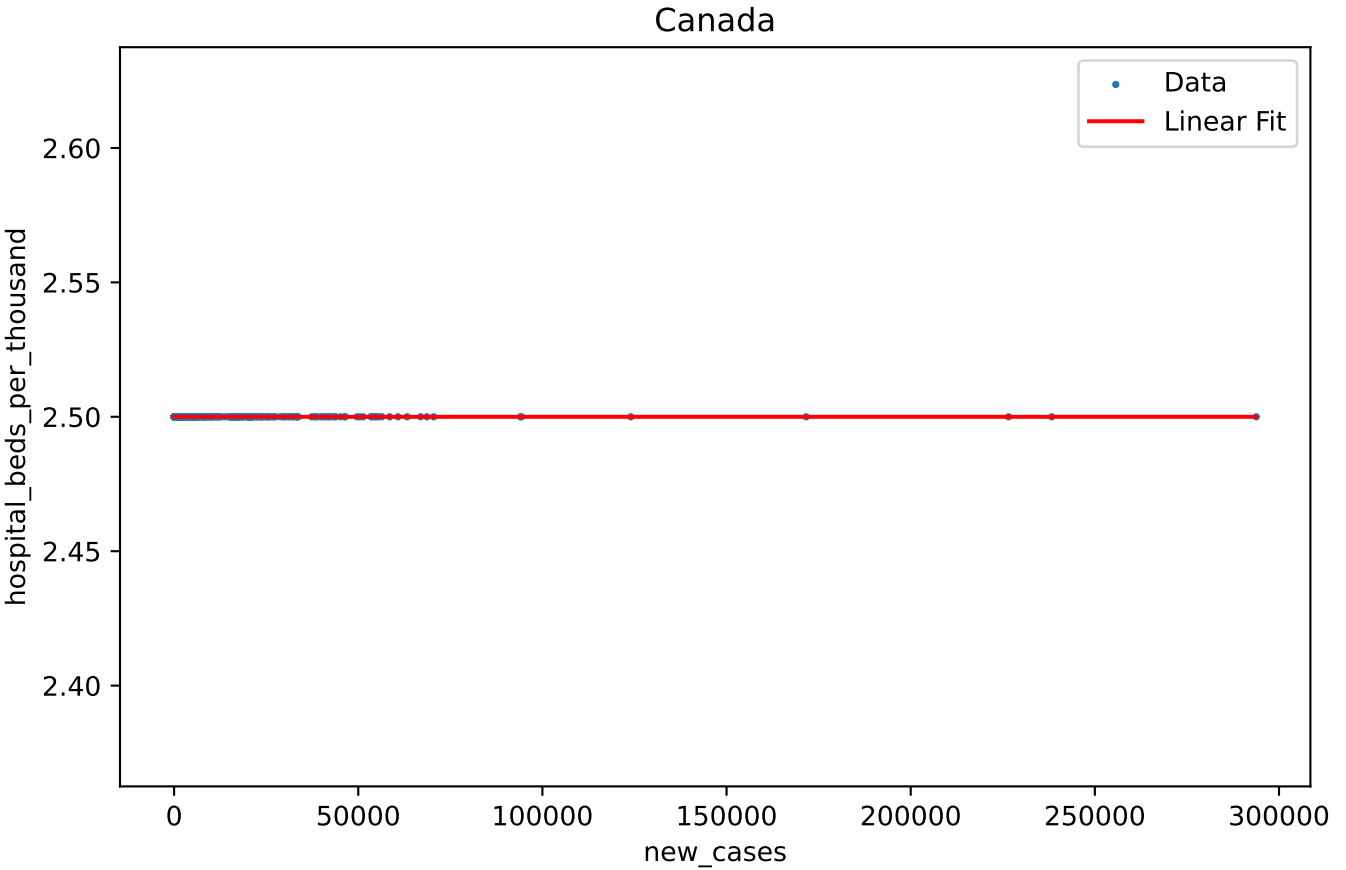

All Countries
male_smokers
new_deaths
40
35
30
25
20
0
2000
4000
6000
8000
10000
12000
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

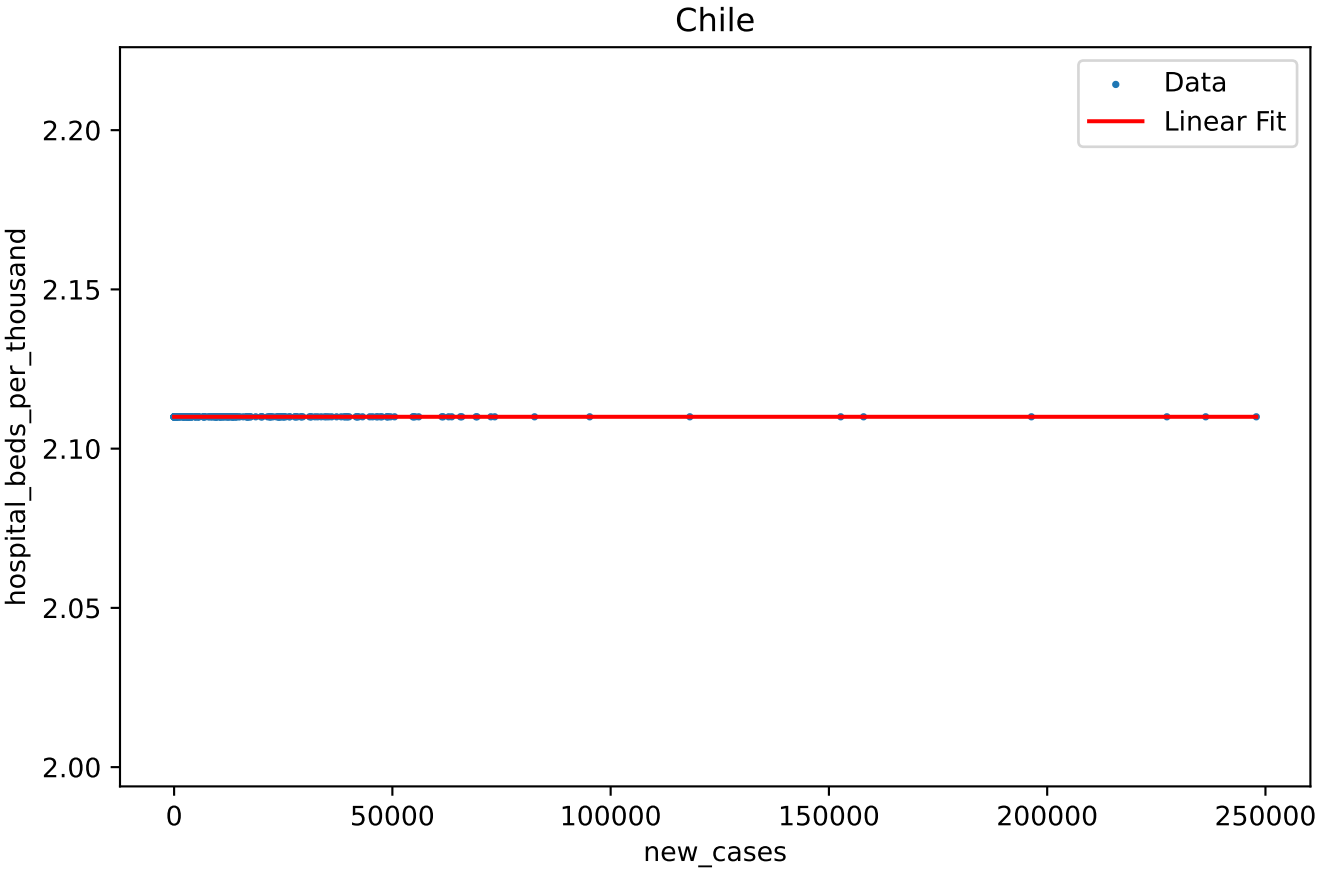

South Africa
Data
Linear Fit
hospital_beds_per_thousand
2.40
2.35
2.30
2.25
2.20
0
20000
40000
60000
80000
100000
120000
140000
160000
new_cases

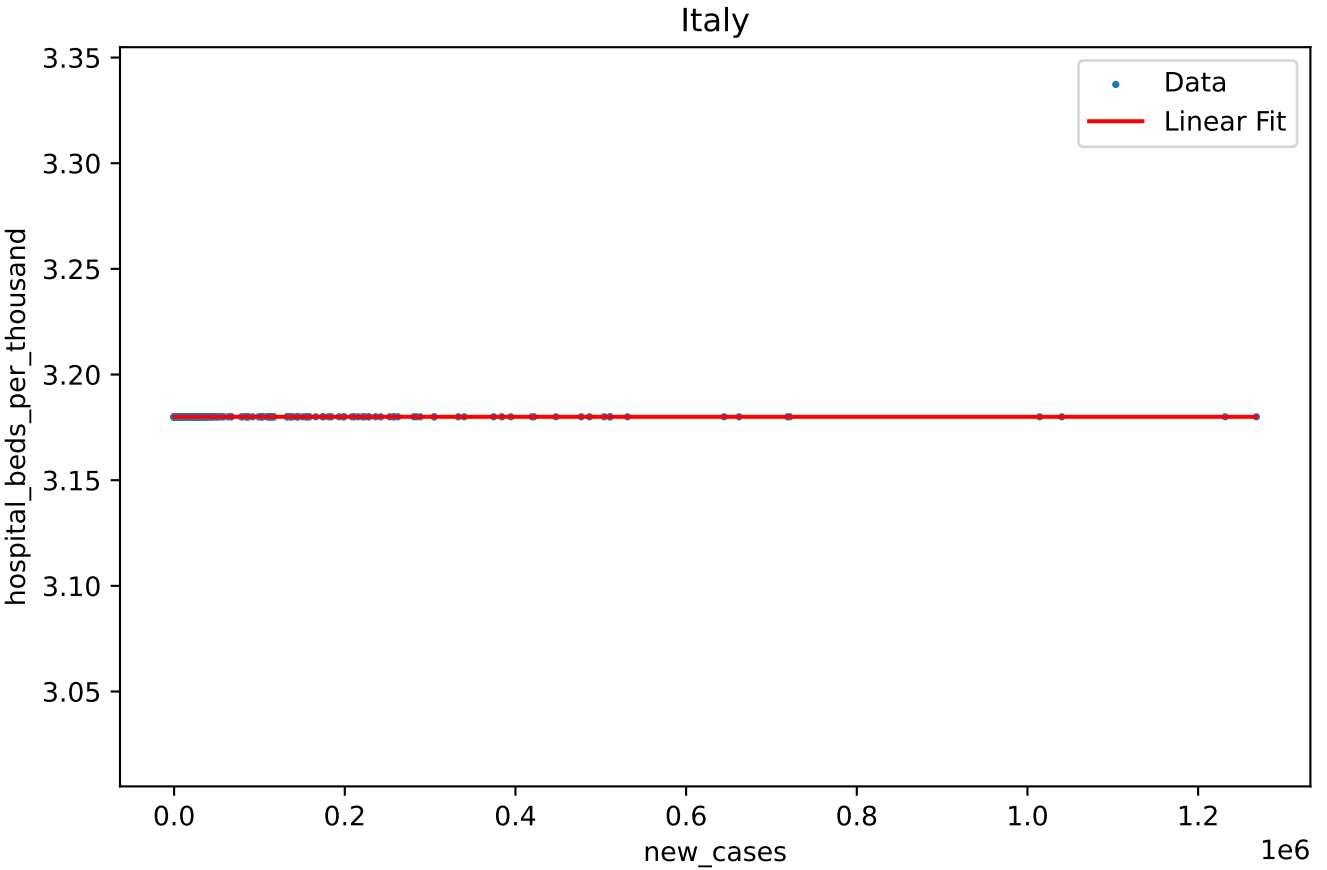

Malaysia
1e−12+1.9
Data
Linear Fit
hospital_beds_per_thousand
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
0
25000
50000
75000
100000
125000
150000
175000
200000
new_cases

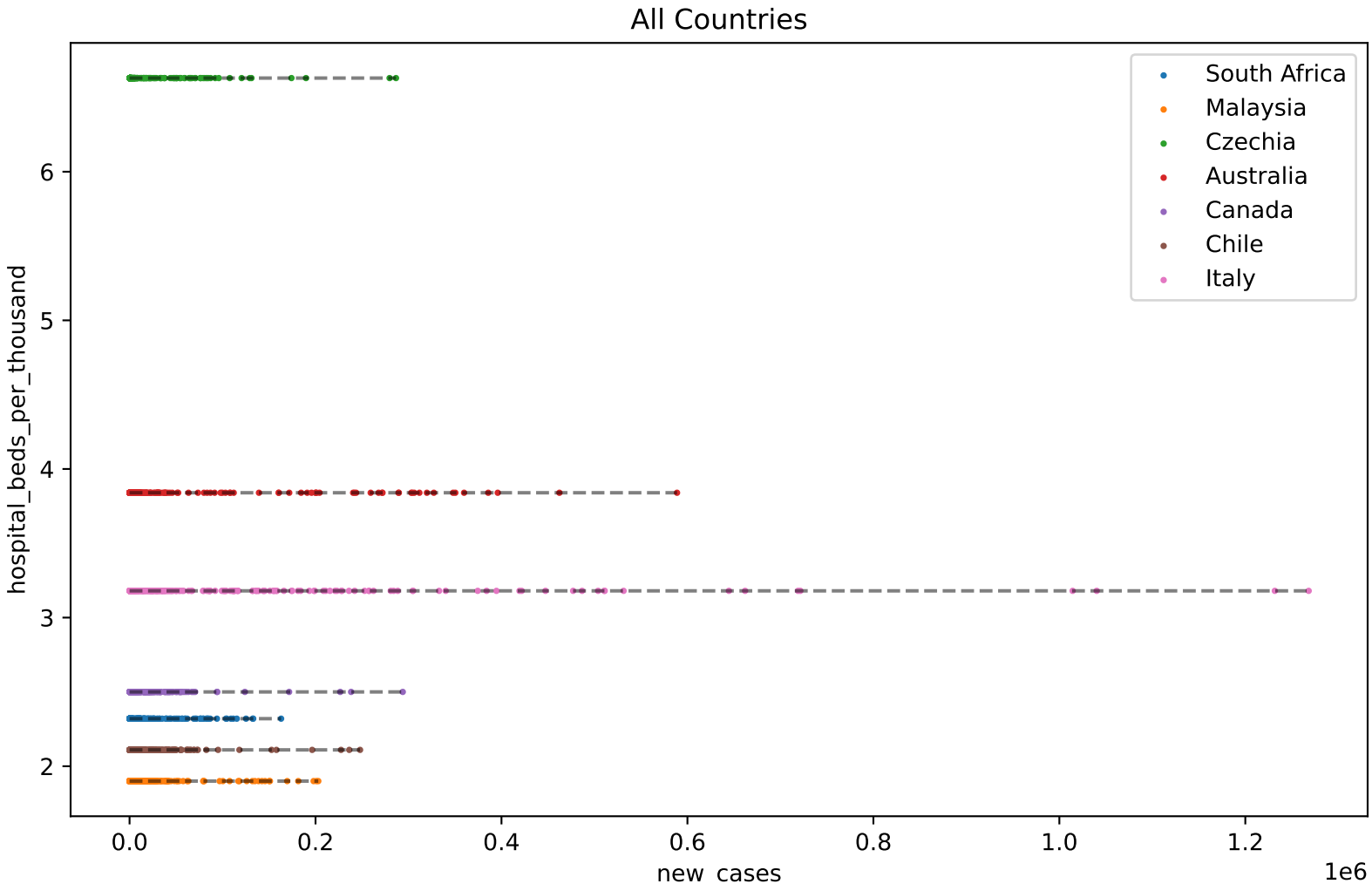

Czechia
Data
Linear Fit
hospital_beds_per_thousand
6.9
6.8
6.7
6.6
6.5
6.4
6.3
0
50000
100000
150000
200000
250000
300000
new_cases

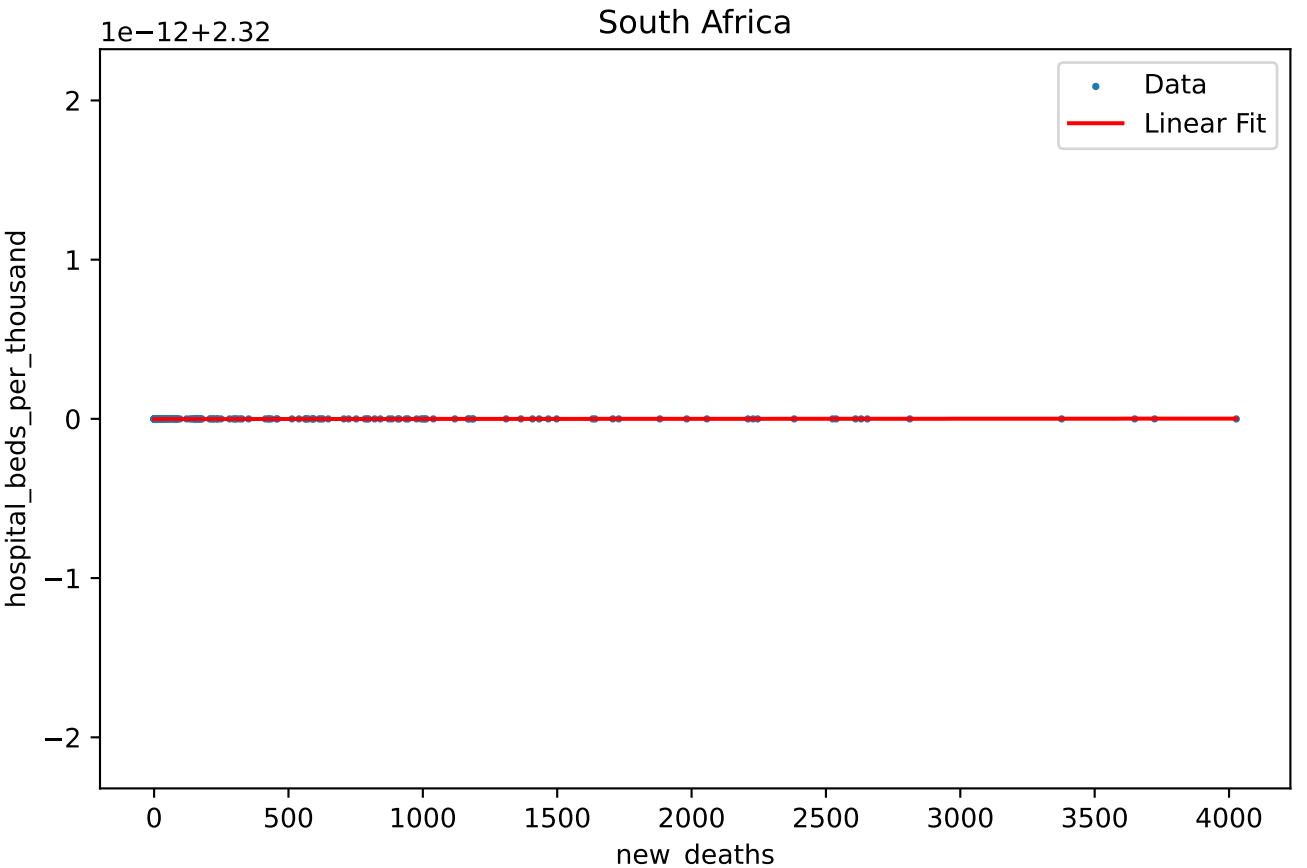

Australia
1e−12+3.84
Data
Linear Fit
hospital_beds_per_thousand
new_cases
3
2
1
0
−1
−2
−3
0
100000
200000
300000
400000
500000
600000

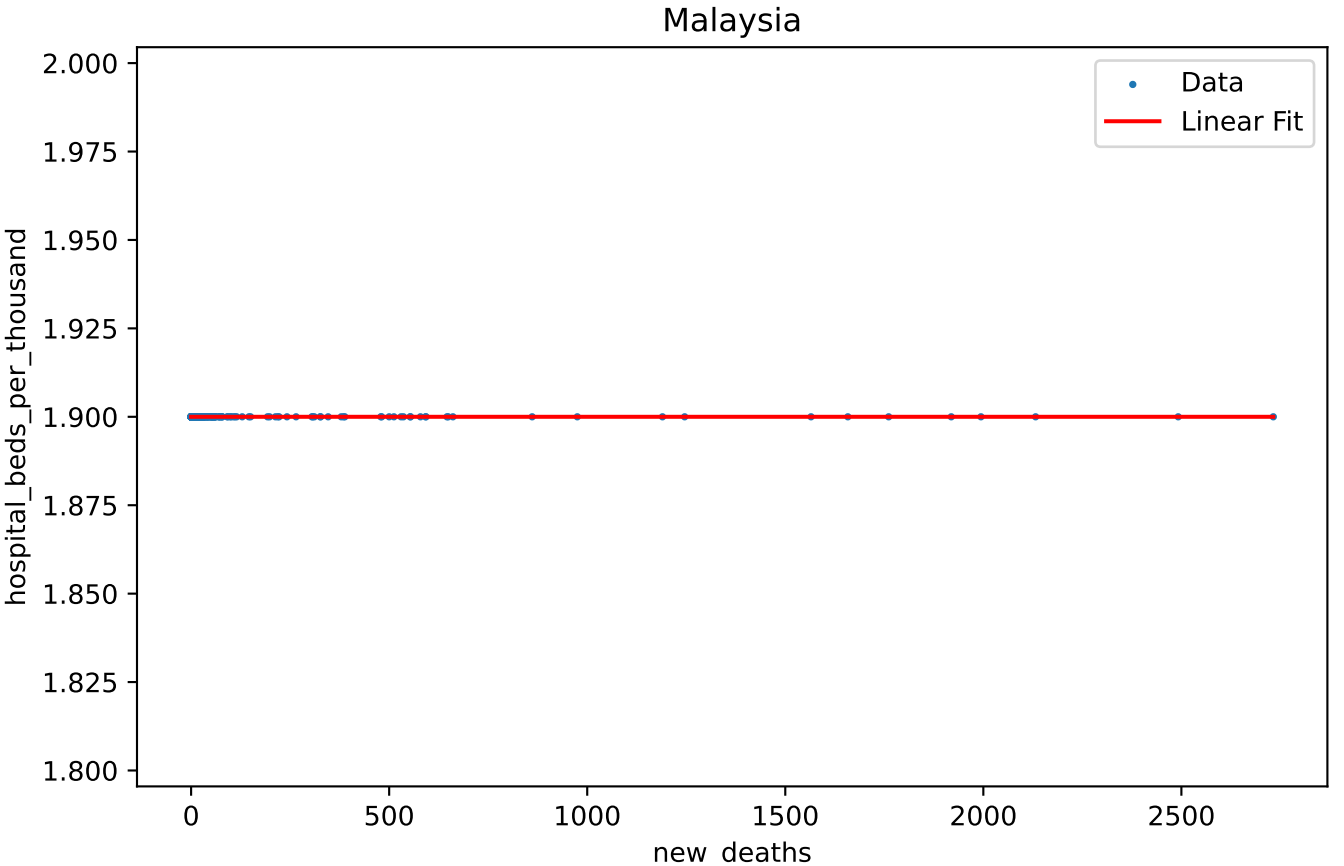

Canada
Data
Linear Fit
2.60
2.55
2.50
2.45
2.40
hospital_beds_per_thousand
0
50000
100000
150000
200000
250000
300000
new_cases

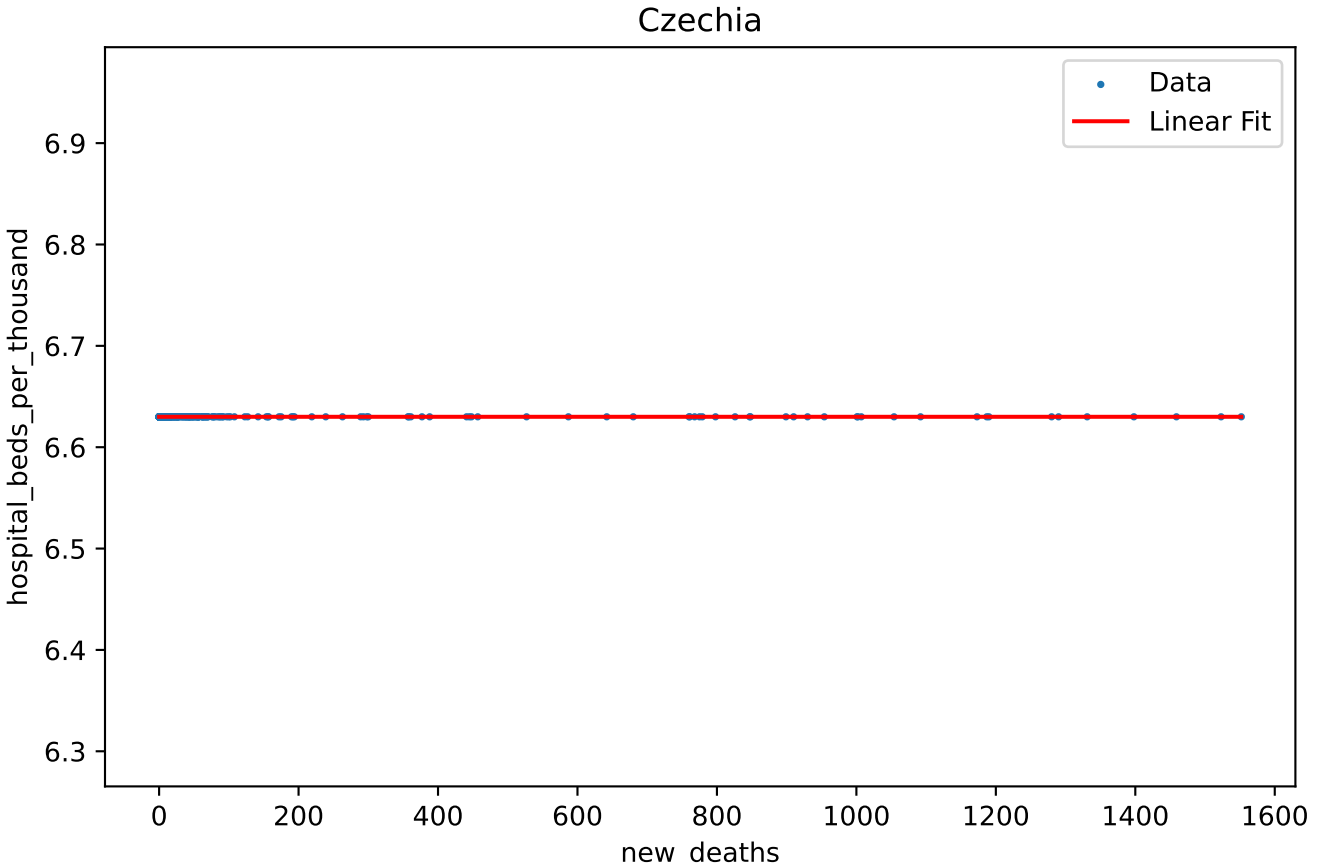

Chile
Data
Linear Fit
2.20
2.15
2.10
2.05
2.00
hospital_beds_per_thousand
0
50000
100000
150000
200000
250000
new_cases

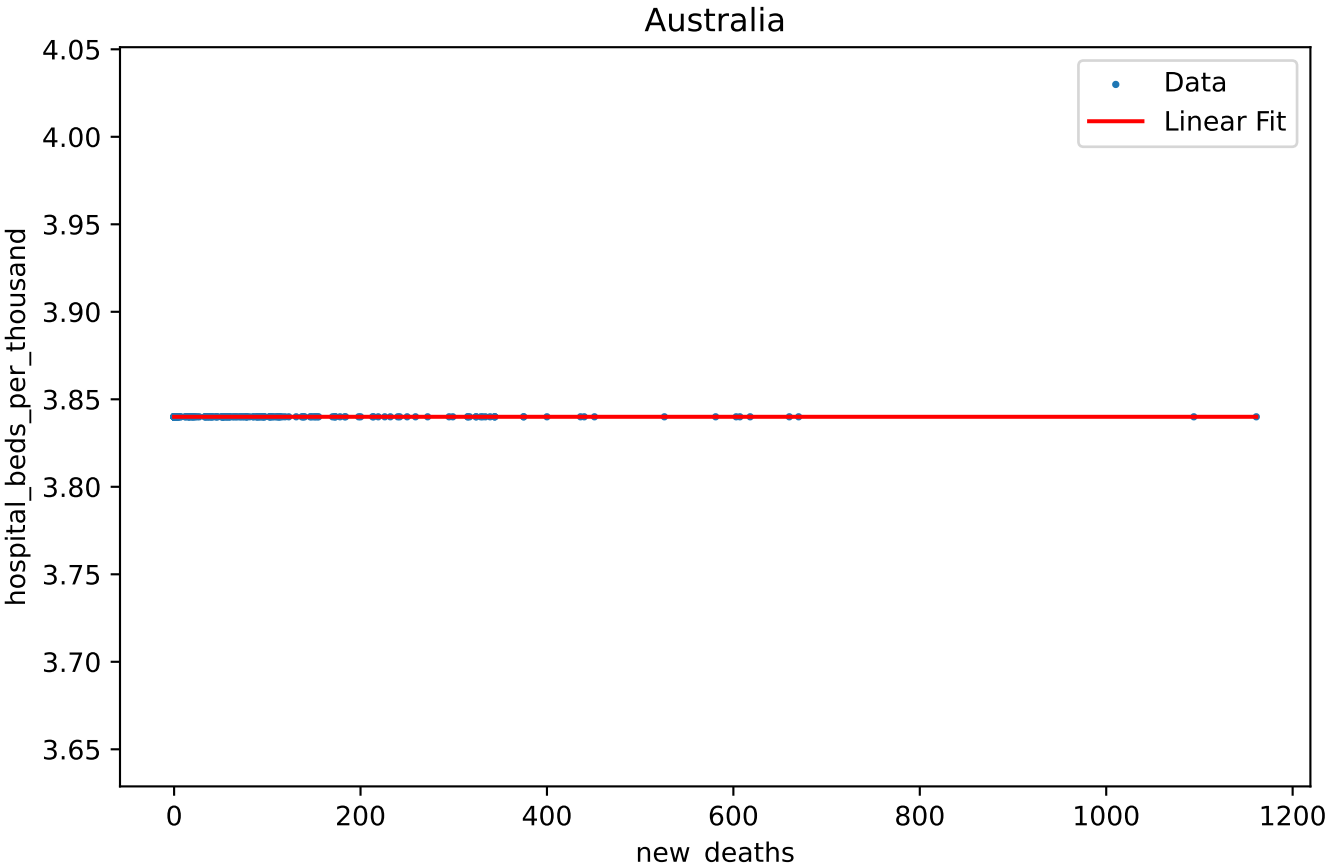

Italy
Data
Linear Fit
hospital_beds_per_thousand
3.35
3.30
3.25
3.20
3.15
3.10
3.05
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

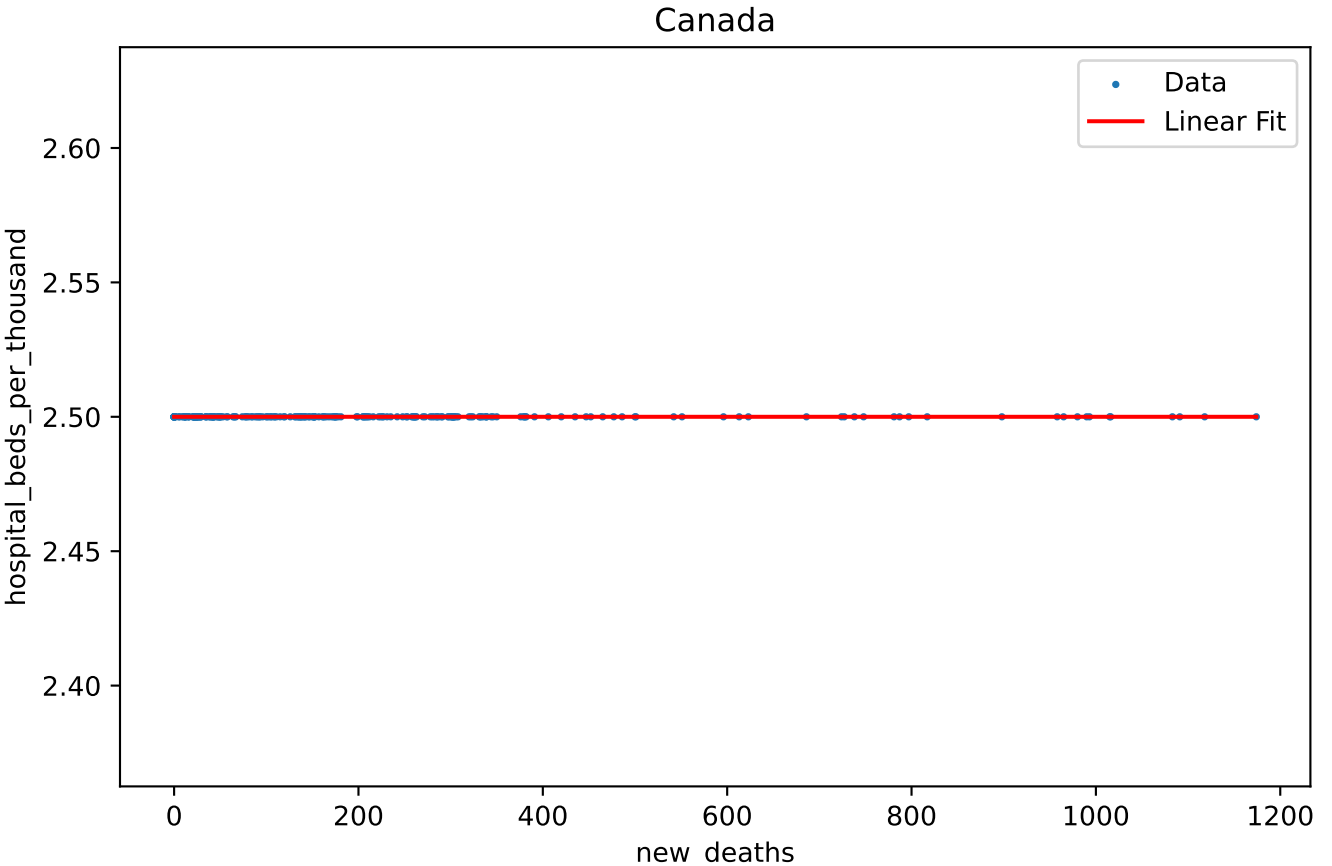

All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
hospital_beds_per_thousand
2
3
4
5
6
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

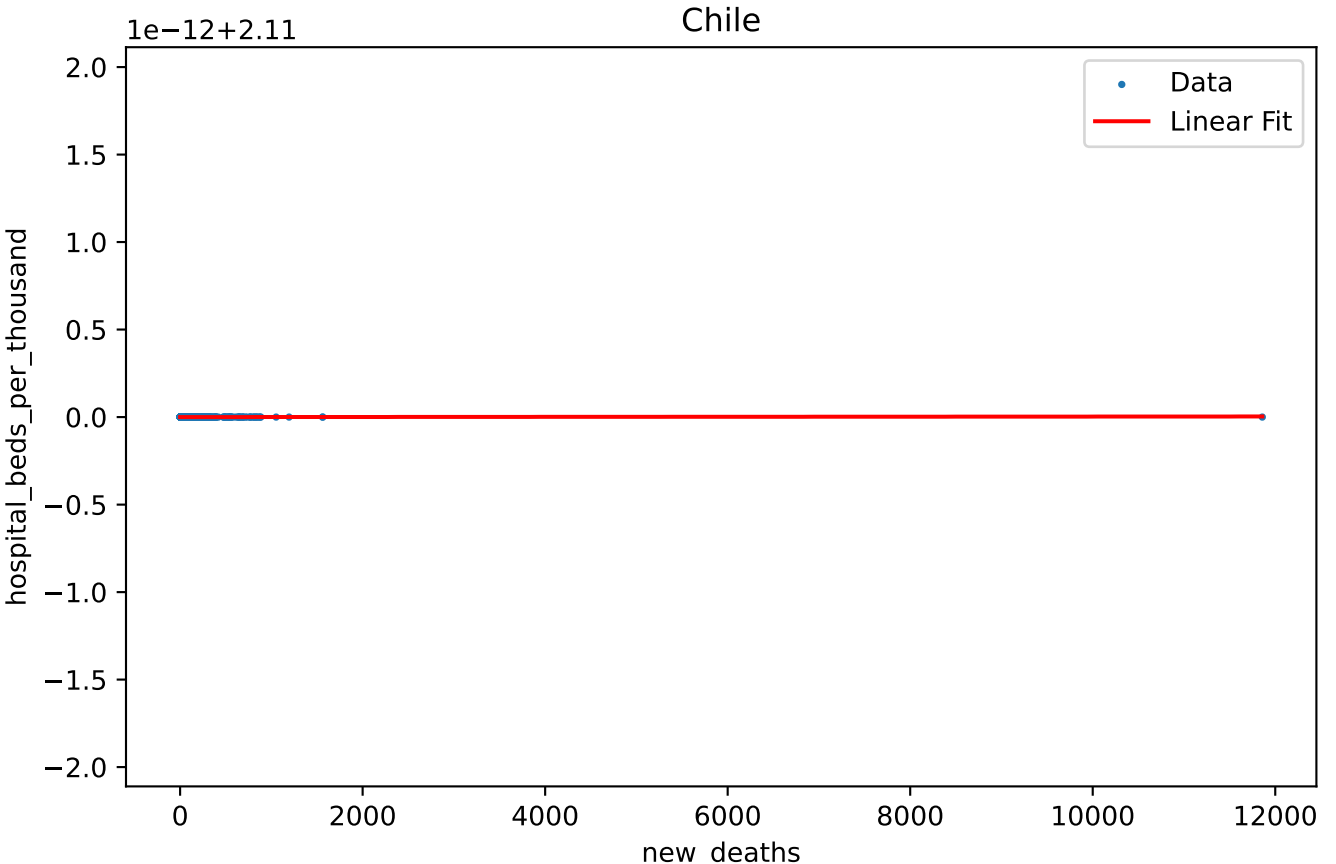

South Africa
1e−12+2.32
Data
Linear Fit
hospital_beds_per_thousand
new_deaths
2
1
0
−1
−2
0
500
1000
1500
2000
2500
3000
3500
4000

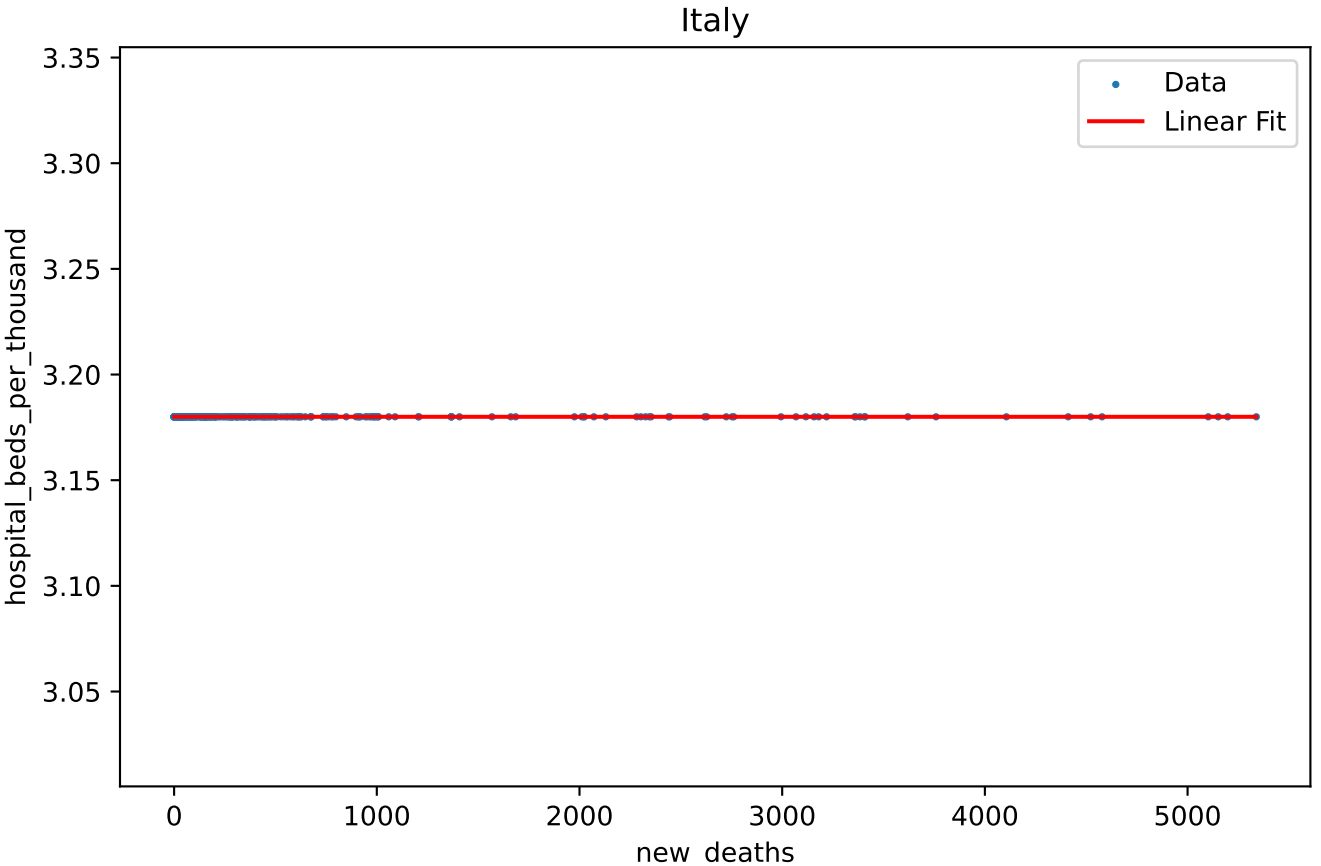

Malaysia
Data
Linear Fit
2.000
1.975
1.950
1.925
1.900
1.875
1.850
1.825
1.800
hospital_beds_per_thousand
0
500
1000
1500
2000
2500
new_deaths

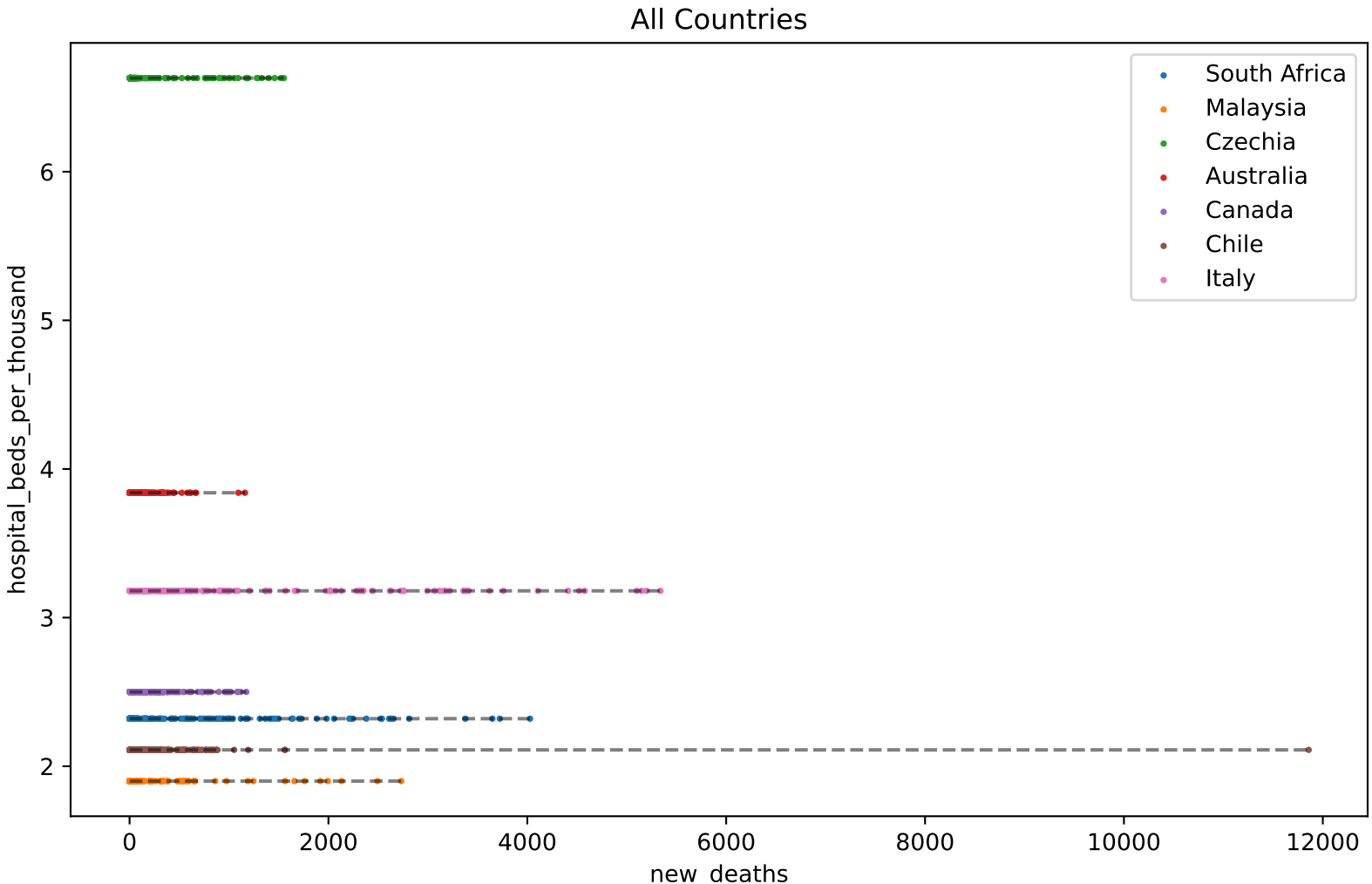

Czechia
Data
Linear Fit
hospital_beds_per_thousand
6.9
6.8
6.7
6.6
6.5
6.4
6.3
0
200
400
600
800
1000
1200
1400
1600
new_deaths

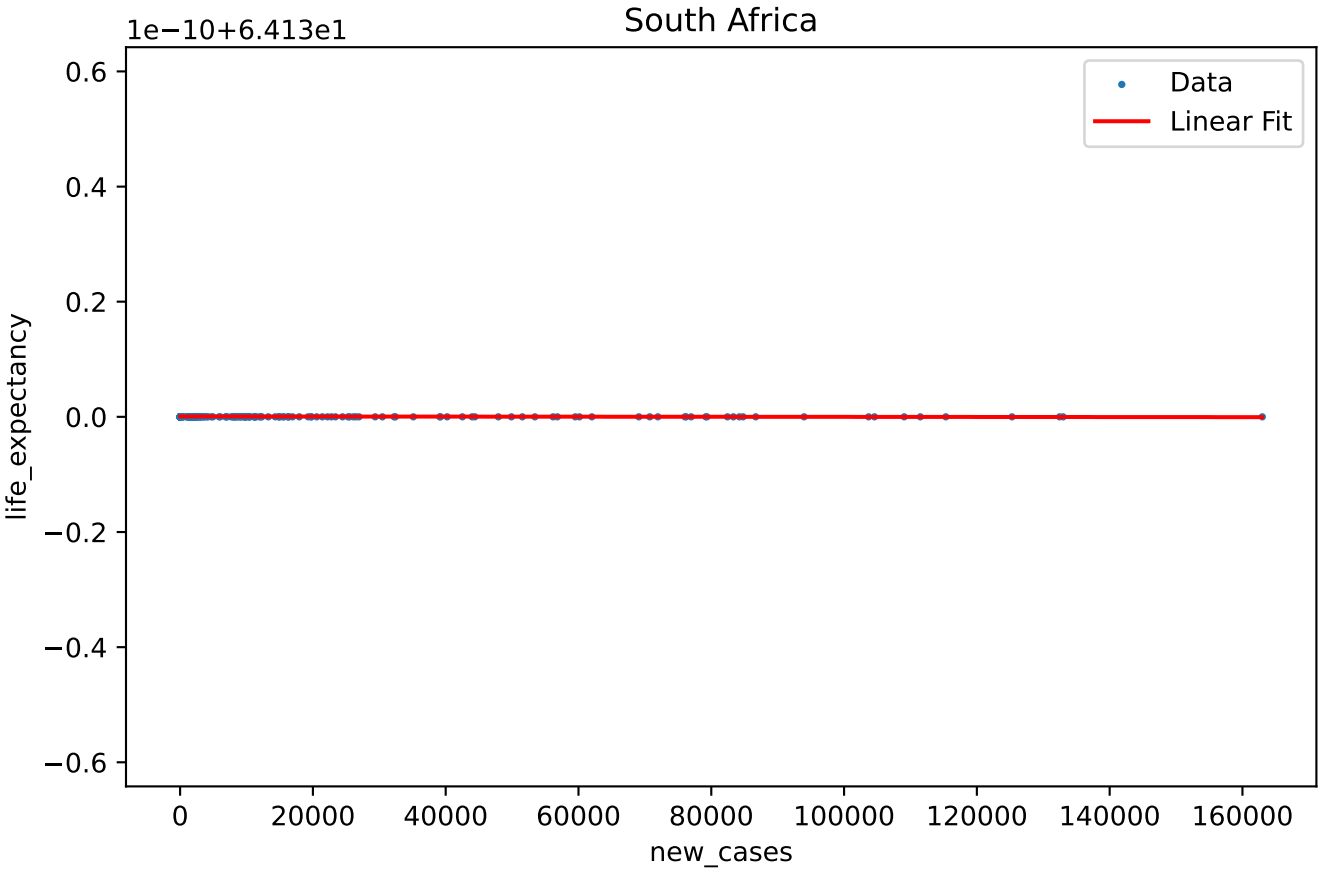

Australia
Data
Linear Fit
hospital_beds_per_thousand
4.05
4.00
3.95
3.90
3.85
3.80
3.75
3.70
3.65
0
200
400
600
800
1000
1200
new_deaths

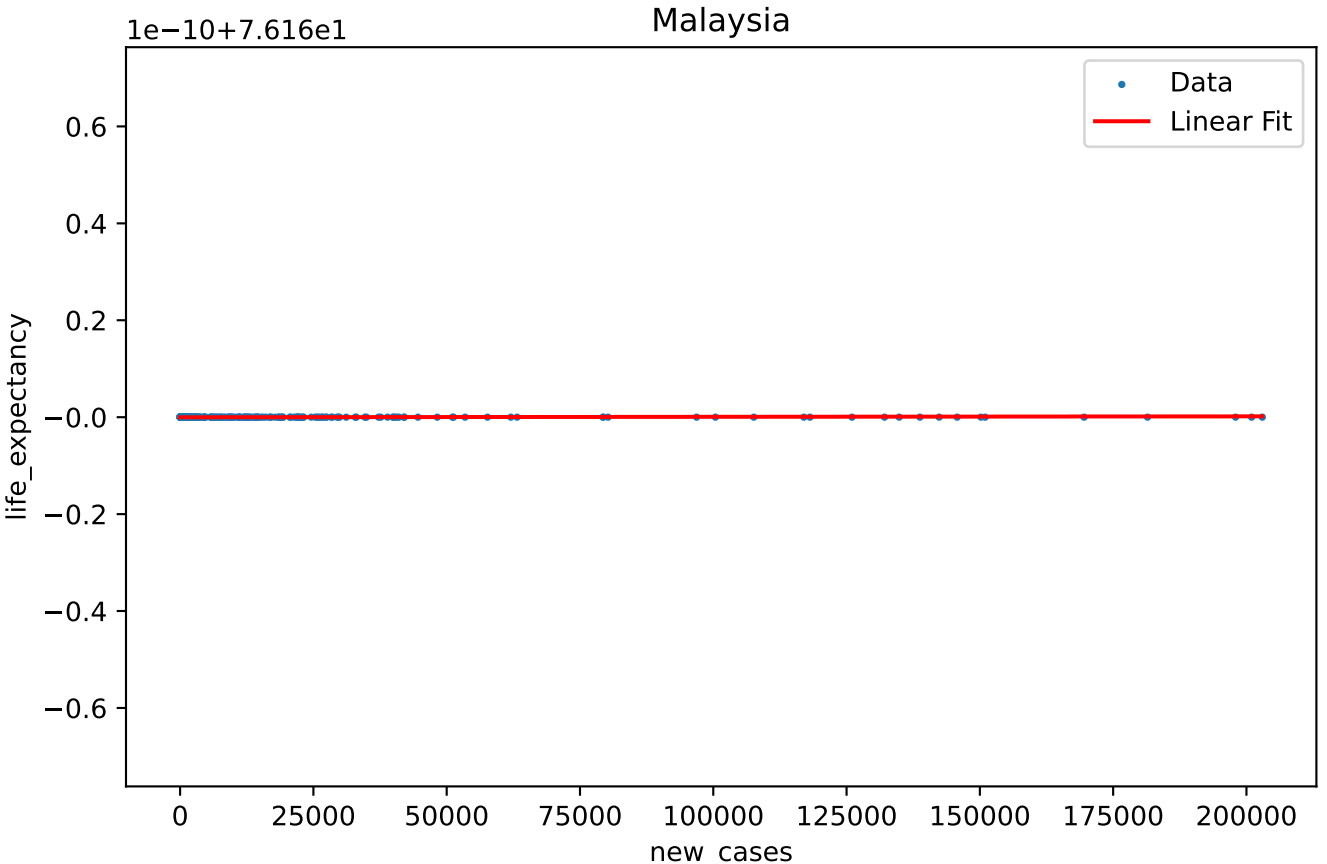

Canada
Data
Linear Fit
hospital_beds_per_thousand
2.60
2.55
2.50
2.45
2.40
0
200
400
600
800
1000
1200
new_deaths

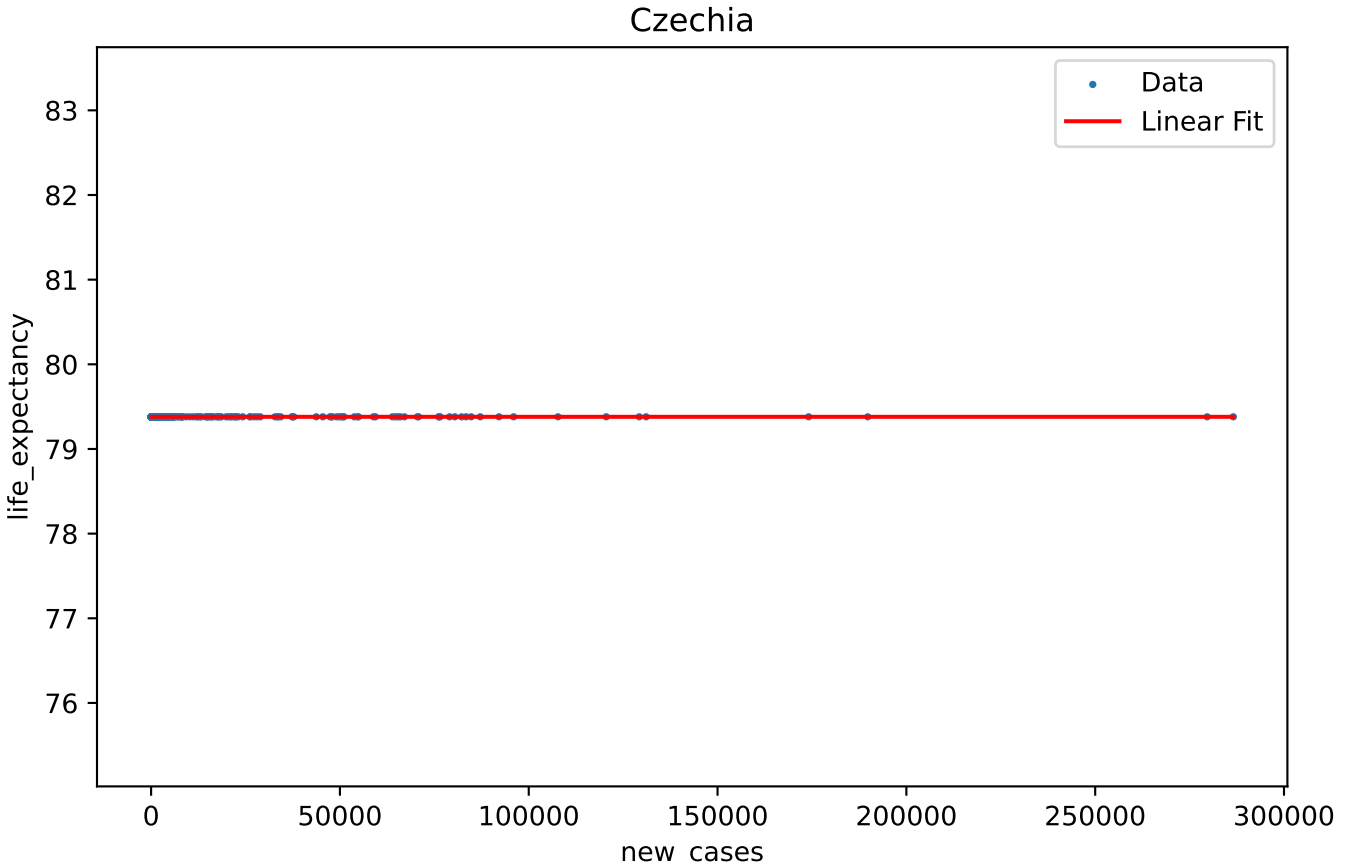

Chile
1e−12+2.11
Data
Linear Fit
hospital_beds_per_thousand
new_deaths
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
0
2000
4000
6000
8000
10000
12000

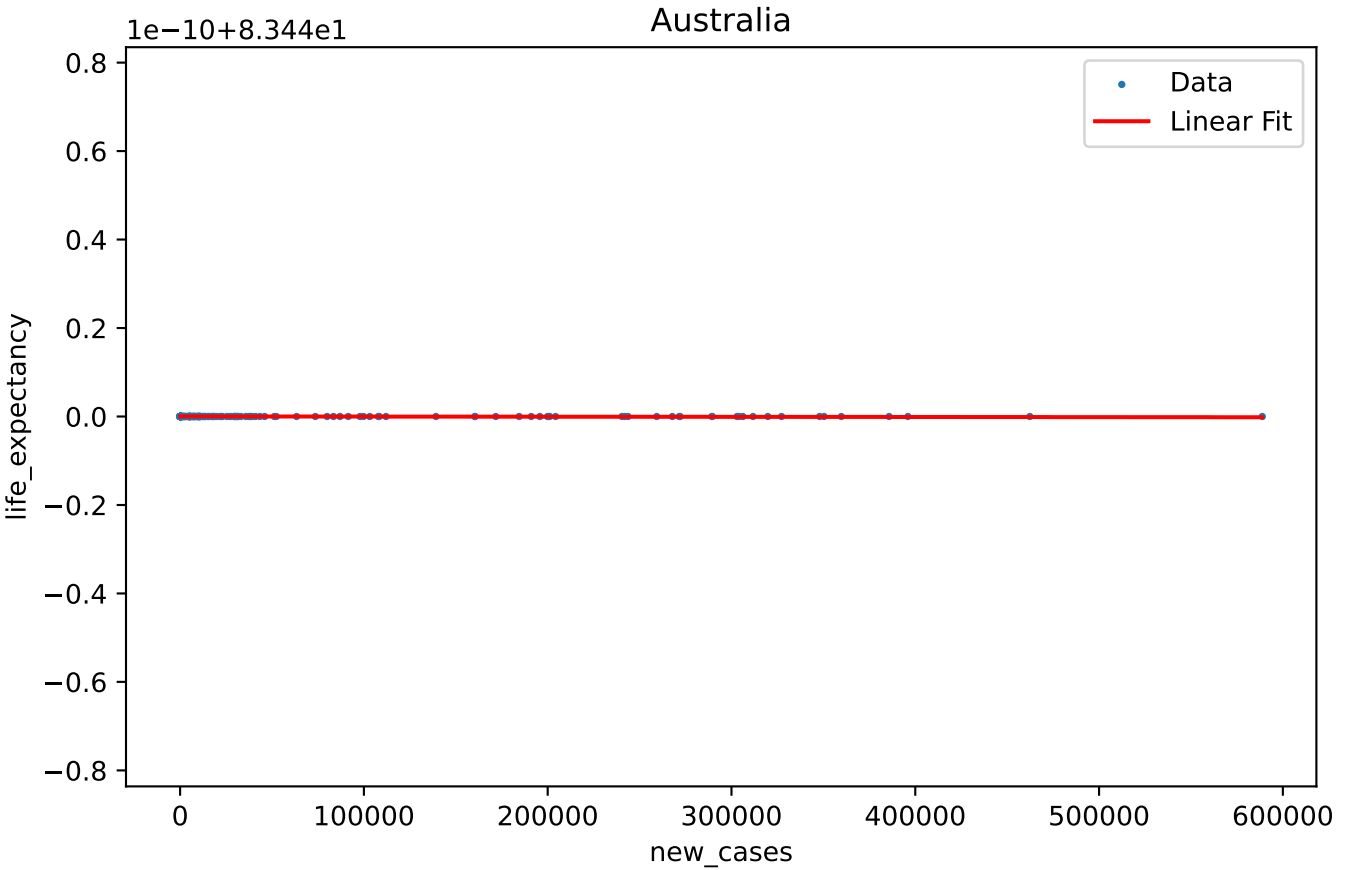

Italy
Data
Linear Fit
hospital_beds_per_thousand
new_deaths
3.35
3.30
3.25
3.20
3.15
3.10
3.05
0
1000
2000
3000
4000
5000

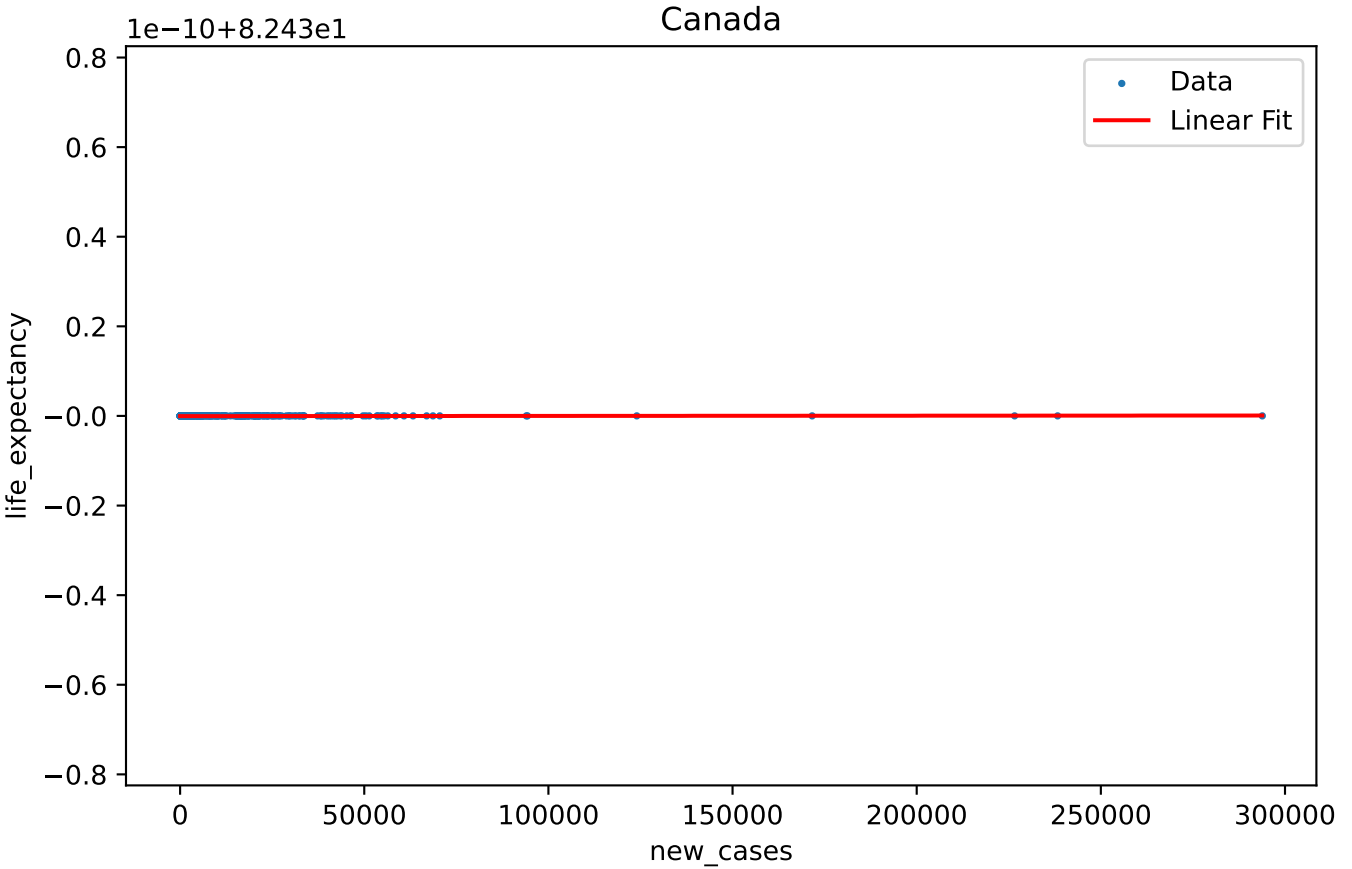

All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
hospital_beds_per_thousand
2
3
4
5
6
0
2000
4000
6000
8000
10000
12000
new_deaths

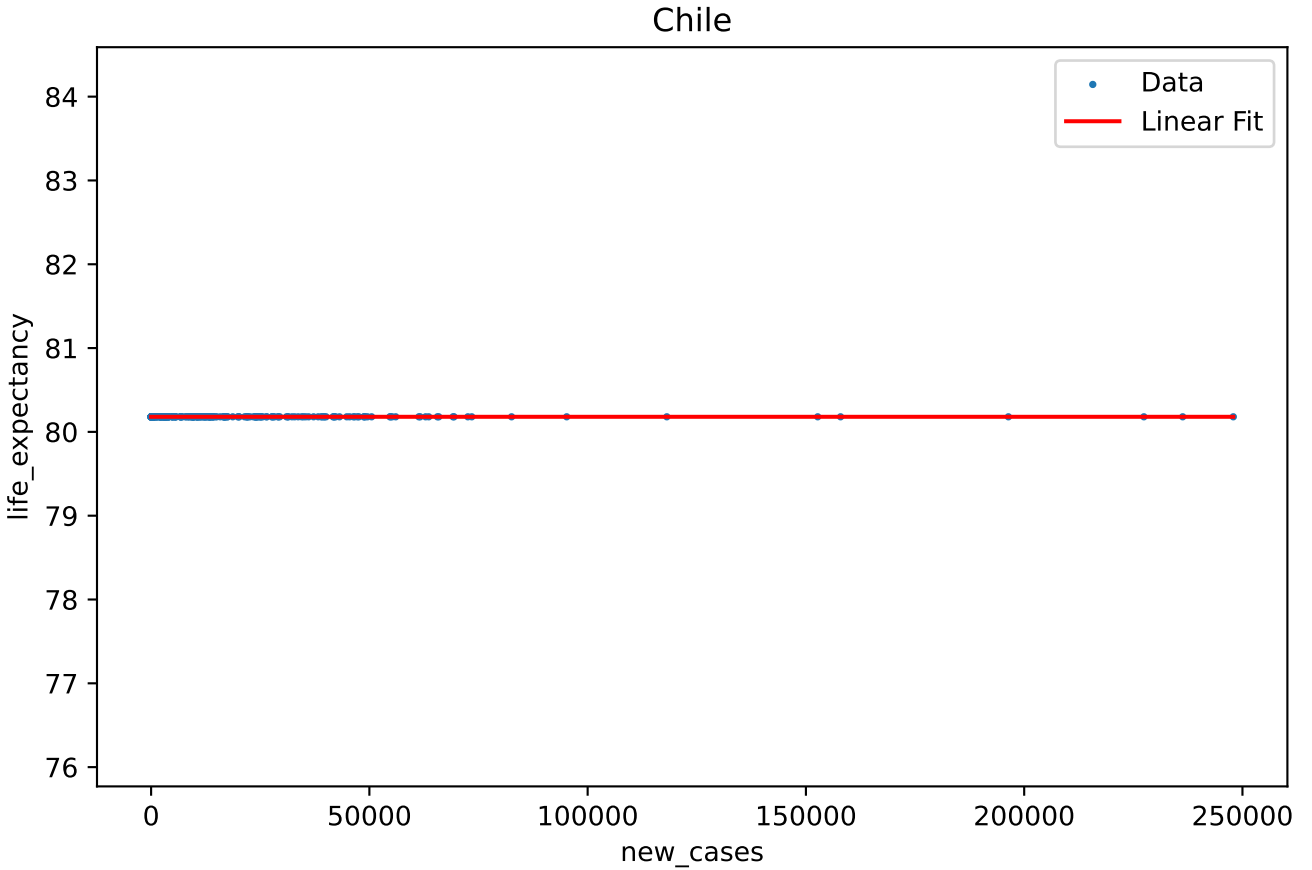

South Africa
1e−10+6.413e1
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
life_expectancy
Data
Linear Fit
0
20000
40000
60000
80000
100000
120000
140000
160000
new_cases

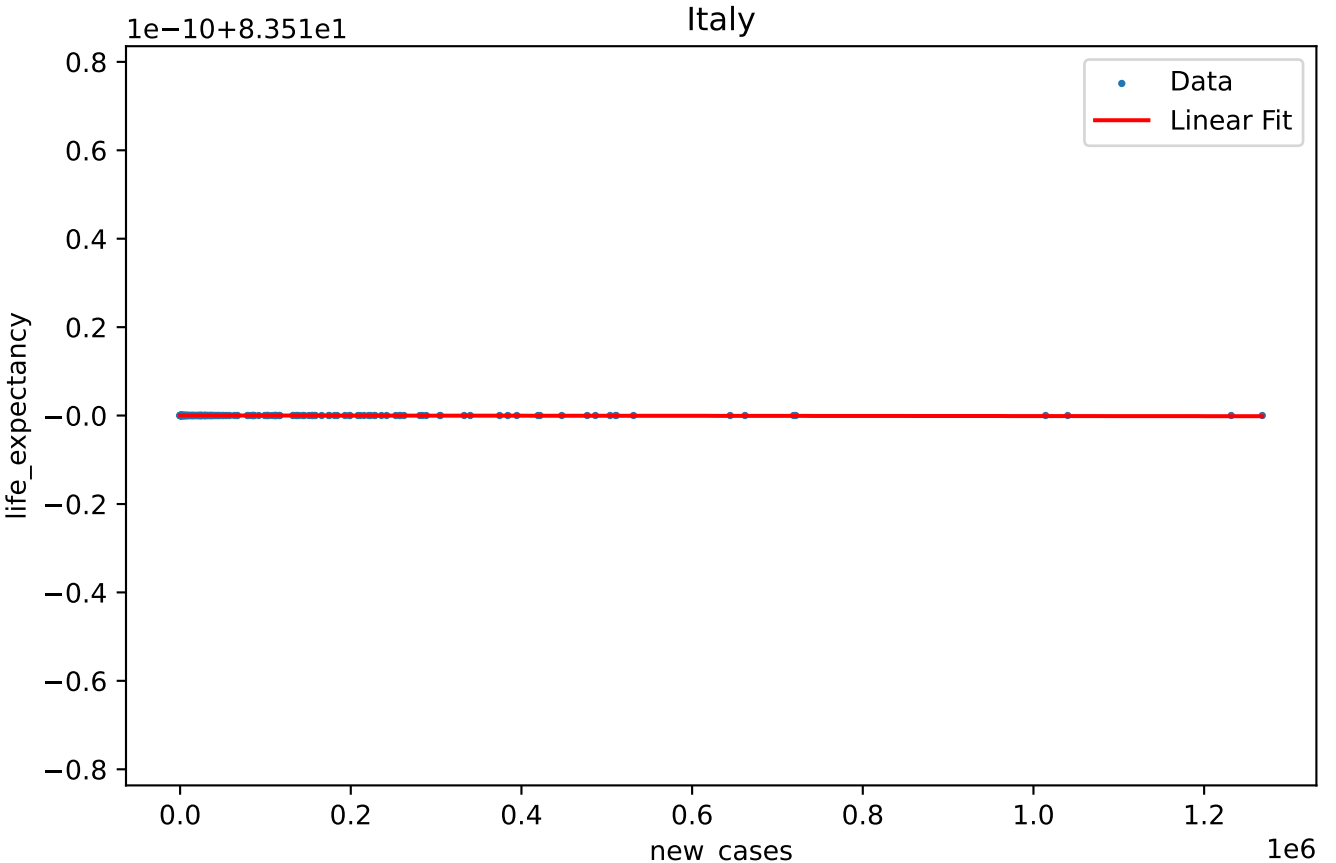

Malaysia
1e−10+7.616e1
Data
Linear Fit
0.6
0.4
0.2
−0.0
−0.2
−0.4
−0.6
life_expectancy
0
25000
50000
75000
100000
125000
150000
175000
200000
new_cases

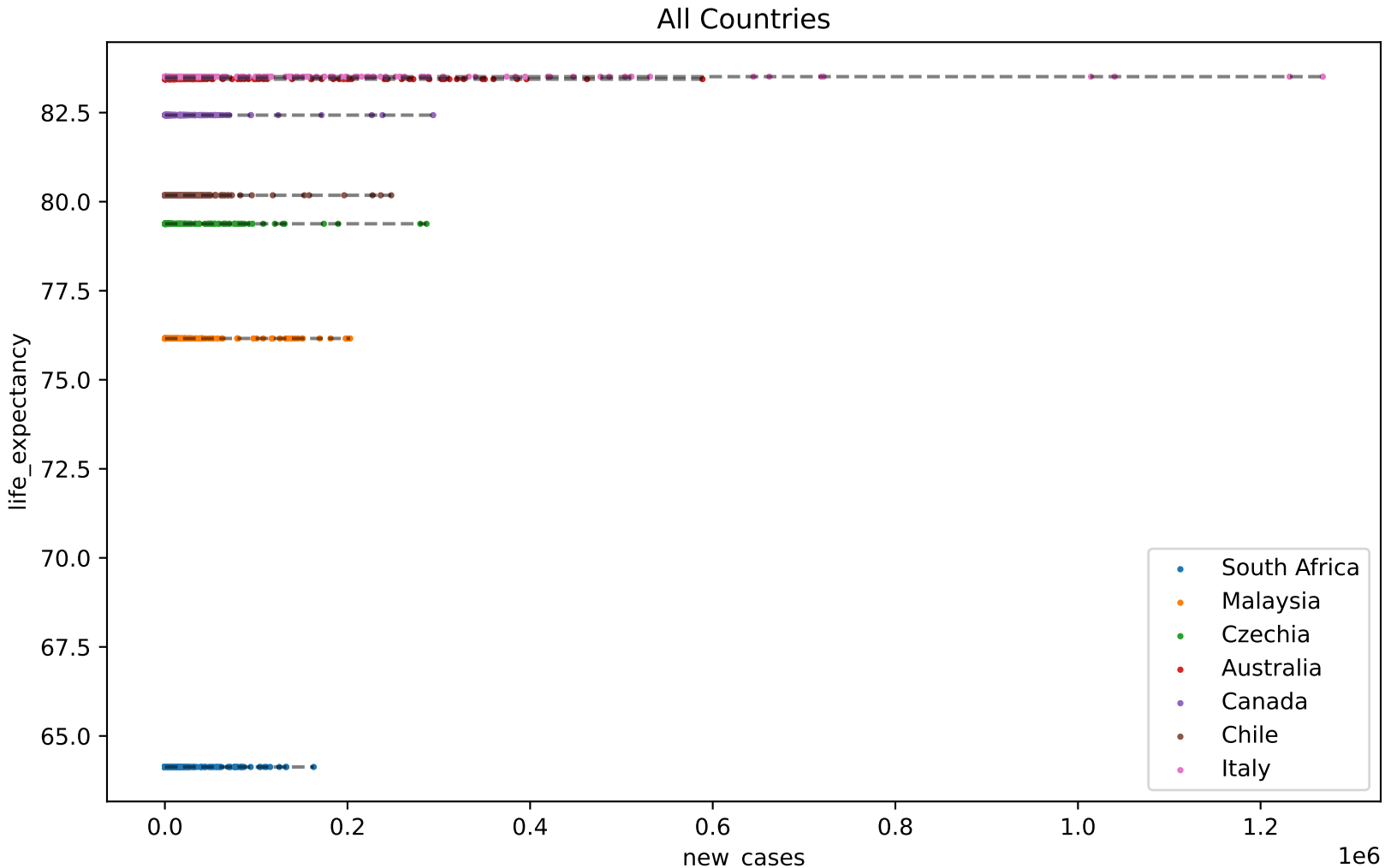

Czechia
Data
Linear Fit
life_expectancy
83
82
81
80
79
78
77
76
0
50000
100000
150000
200000
250000
300000
new_cases

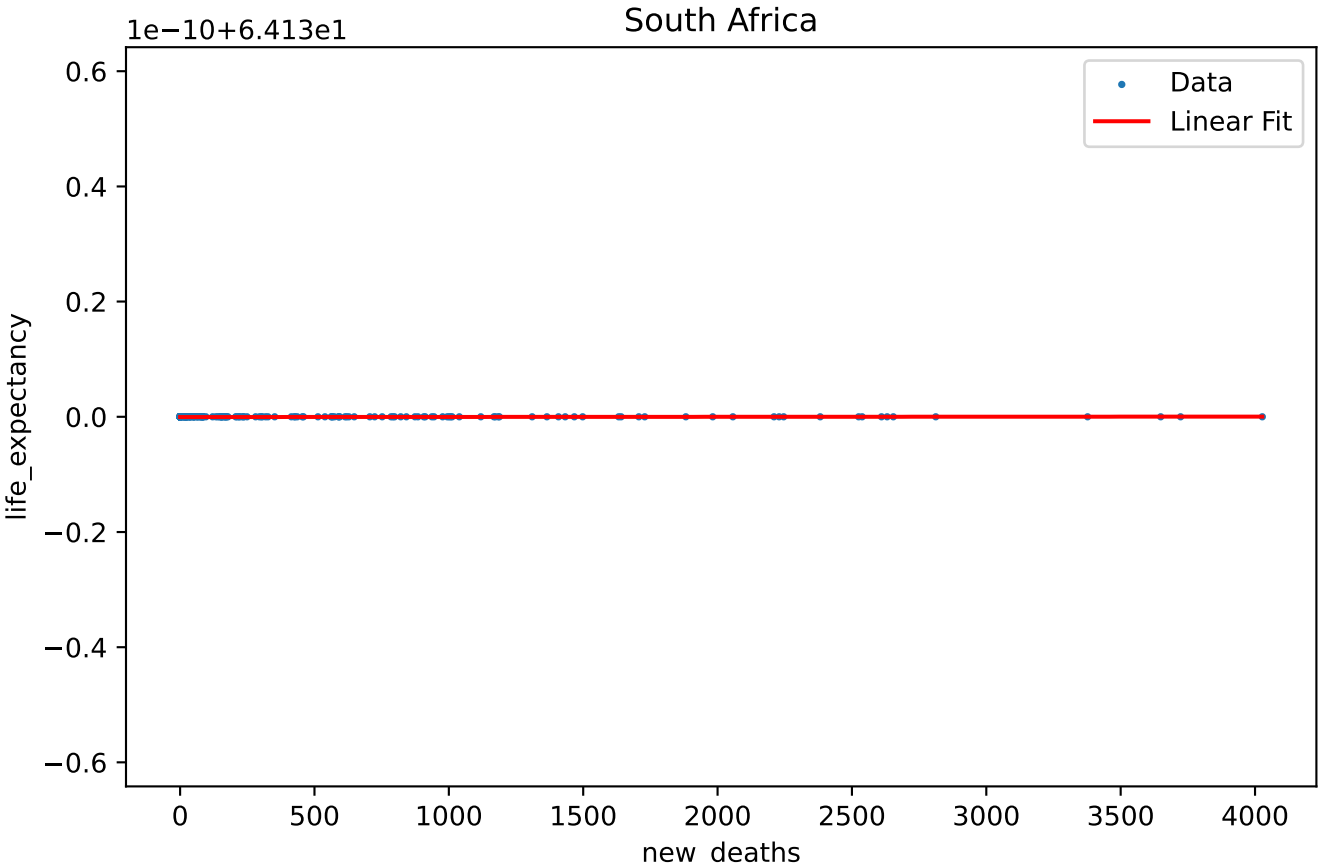

Australia
1e−10+8.344e1
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
life_expectancy
0
100000
200000
300000
400000
500000
600000
new_cases
Data
Linear Fit

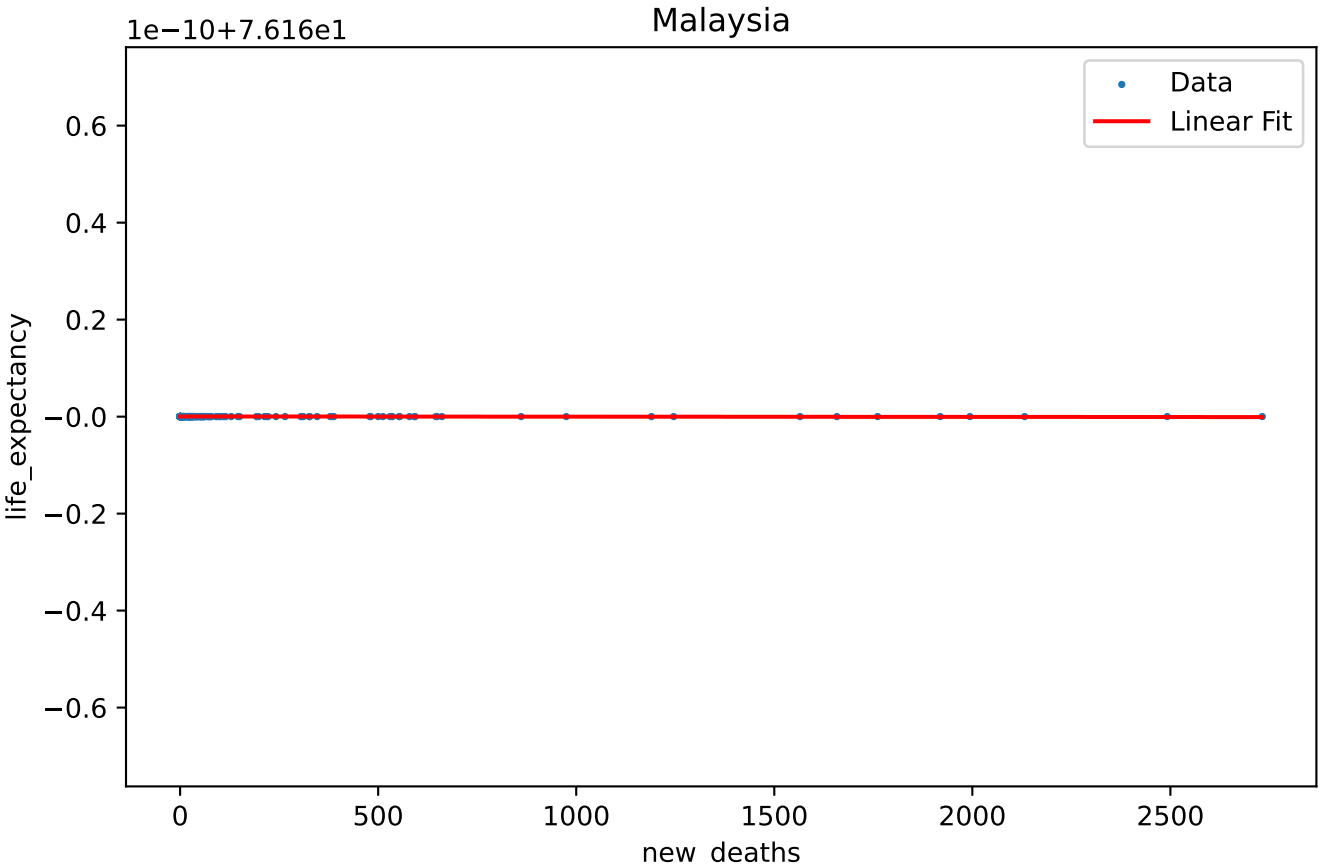

Canada
1e−10+8.243e1
0.8
0.6
0.4
0.2
−0.0
−0.2
−0.4
−0.6
−0.8
life_expectancy
Data
Linear Fit
0
50000
100000
150000
200000
250000
300000
new_cases

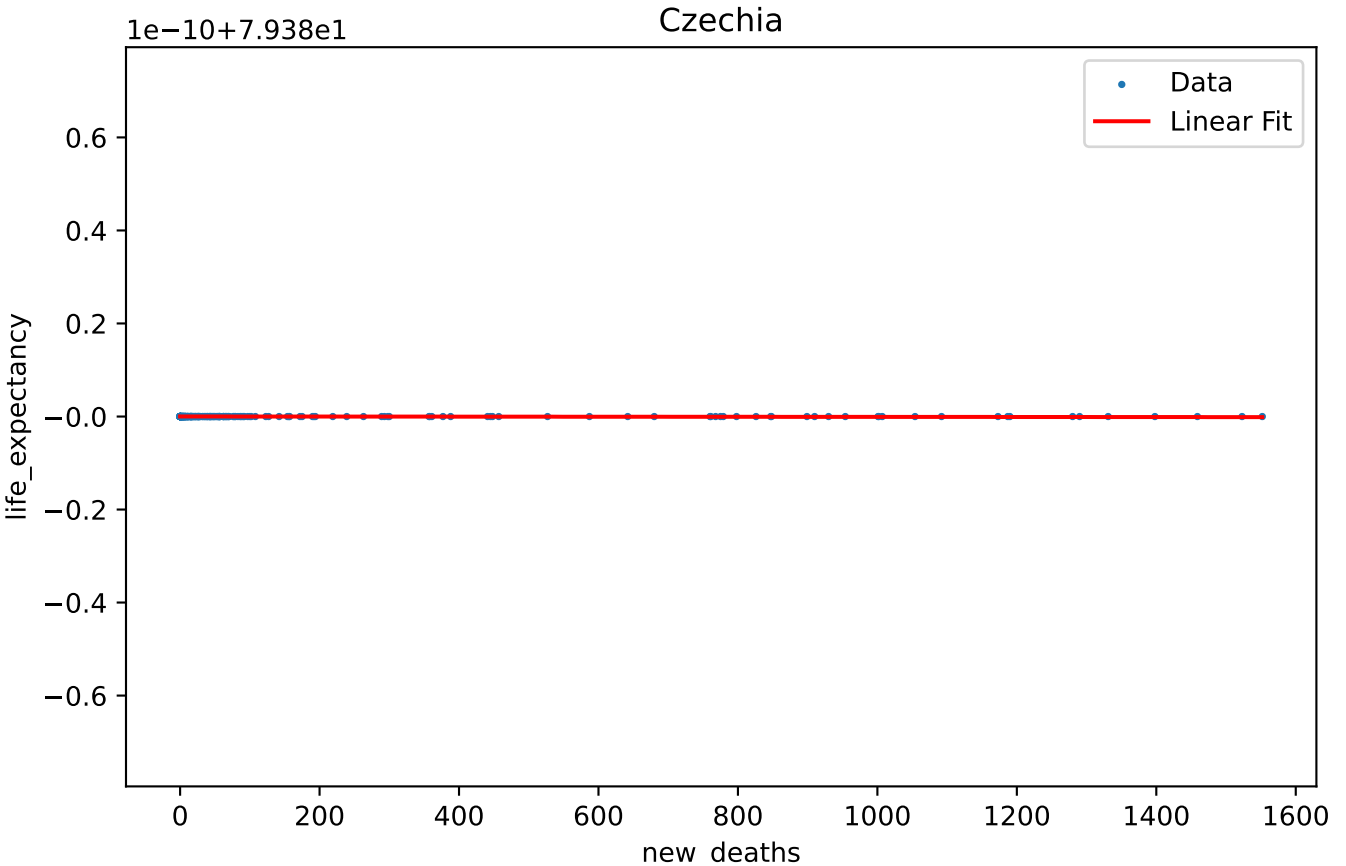

Chile
Data
Linear Fit
life_expectancy
84
83
82
81
80
79
78
77
76
0
50000
100000
150000
200000
250000
new_cases

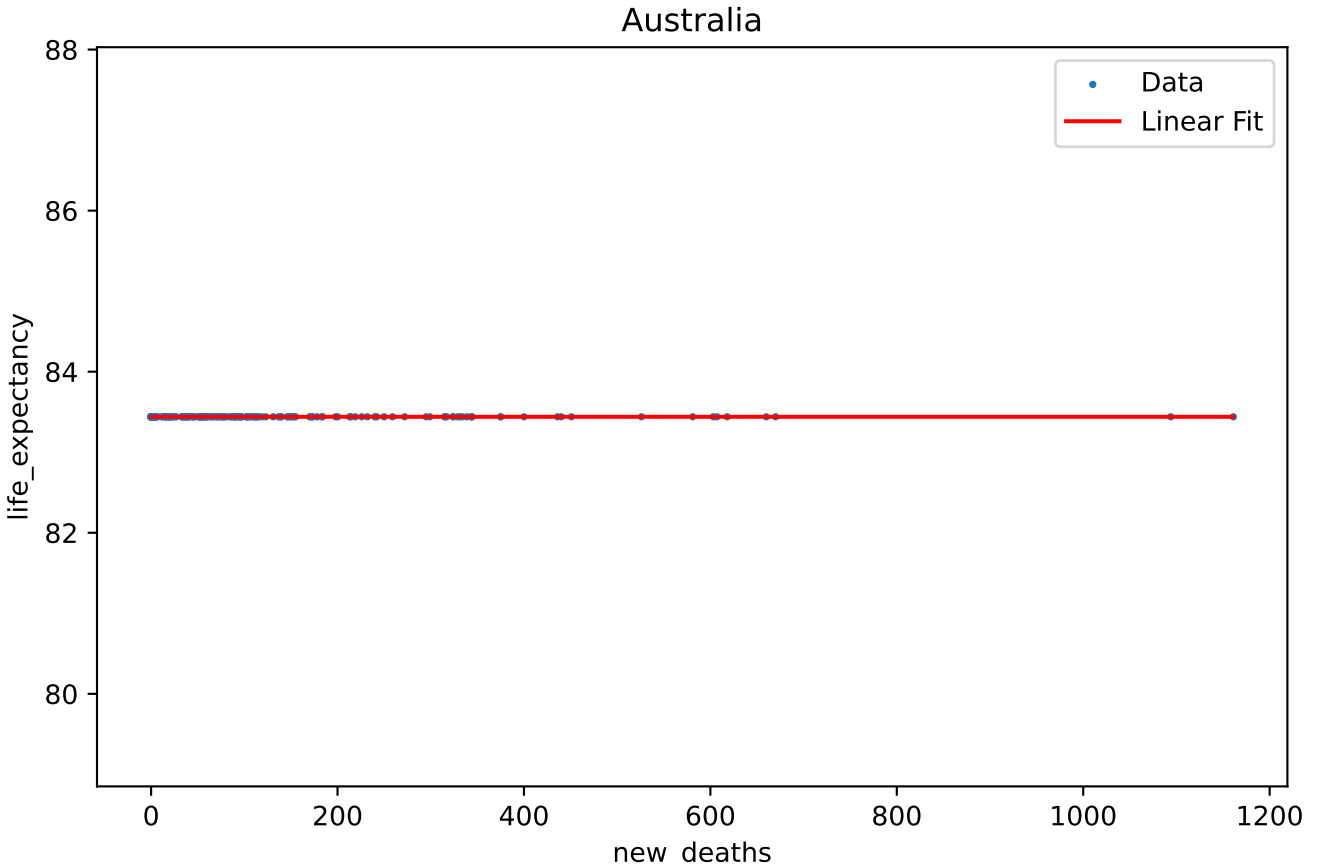

Italy
1e−10+8.351e1
0.8
0.6
0.4
0.2
−0.0
−0.2
−0.4
−0.6
−0.8
life_expectancy
Data
Linear Fit
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

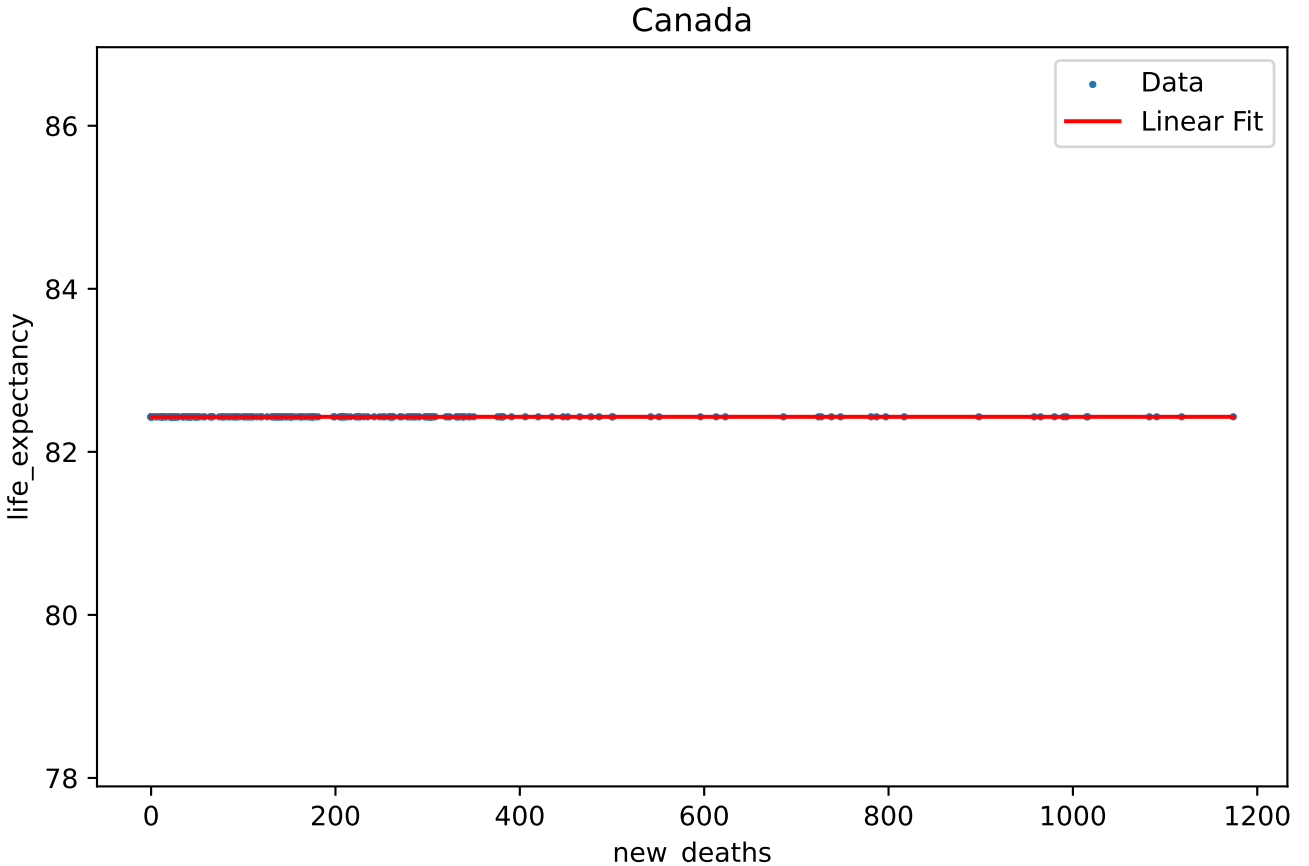

All Countries
life_expectancy
82.5
80.0
77.5
75.0
72.5
70.0
67.5
65.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

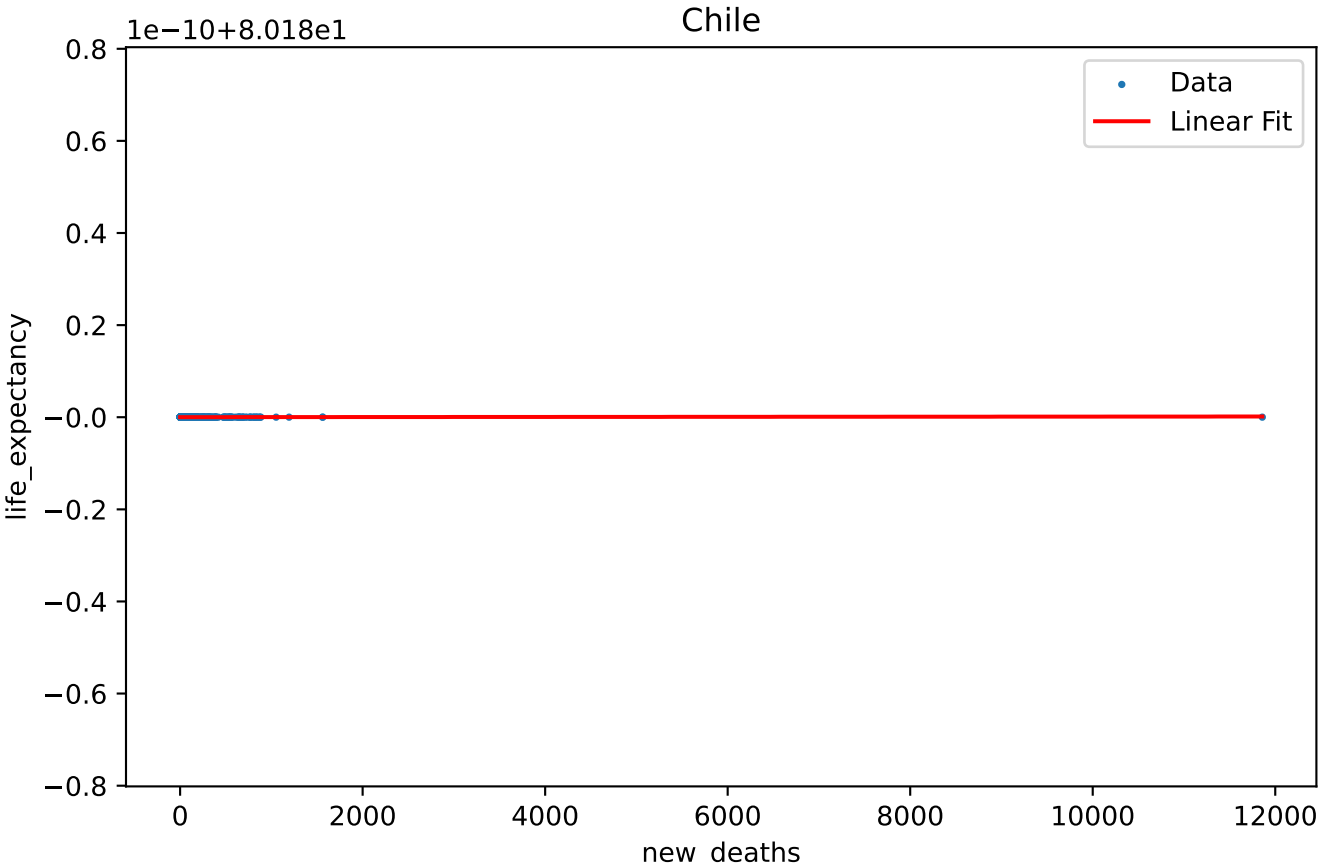

South Africa
1e−10+6.413e1
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
life_expectancy
0
500
1000
1500
2000
2500
3000
3500
4000
new_deaths
Data
Linear Fit

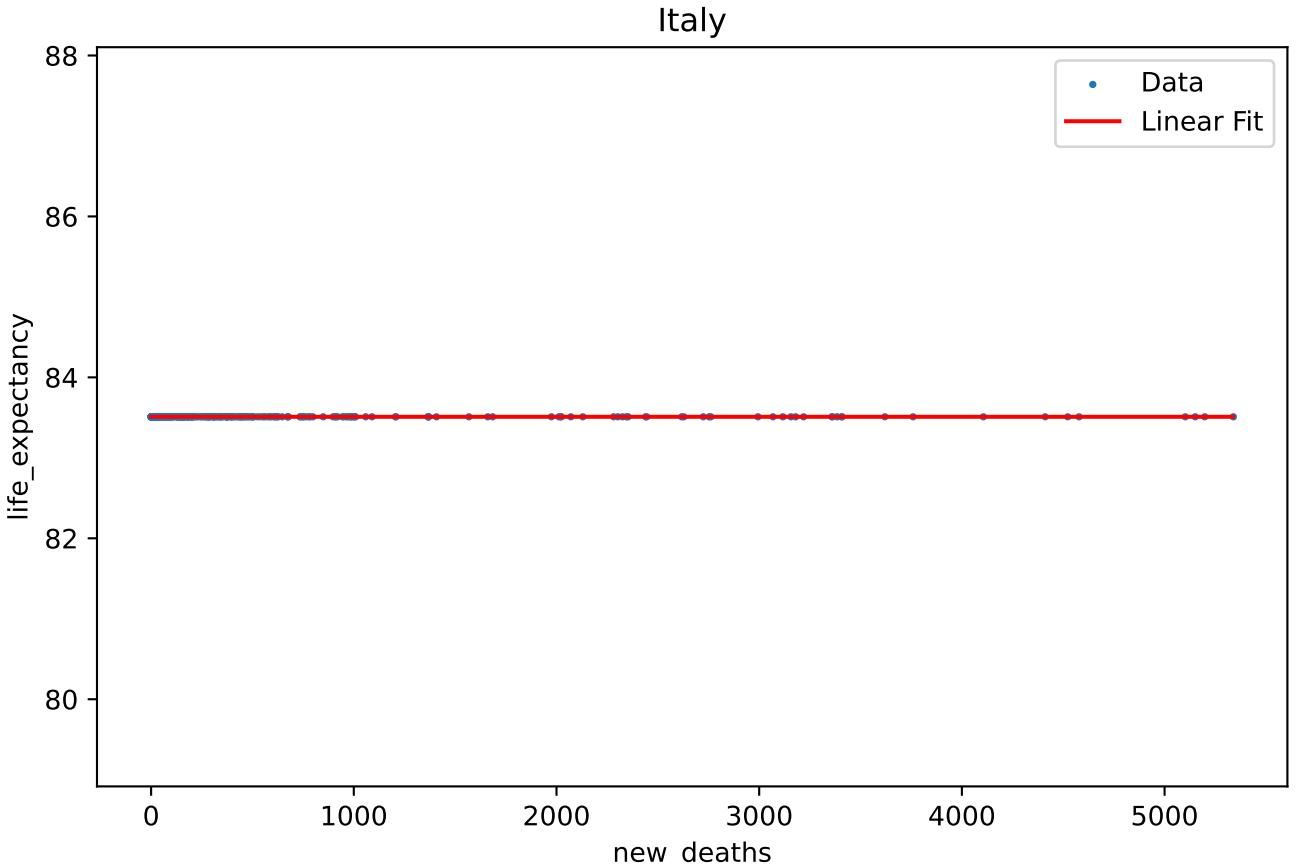

Malaysia
1e−10+7.616e1
Data
Linear Fit
0.6
0.4
0.2
−0.0
−0.2
−0.4
−0.6
life_expectancy
0
500
1000
1500
2000
2500
new_deaths

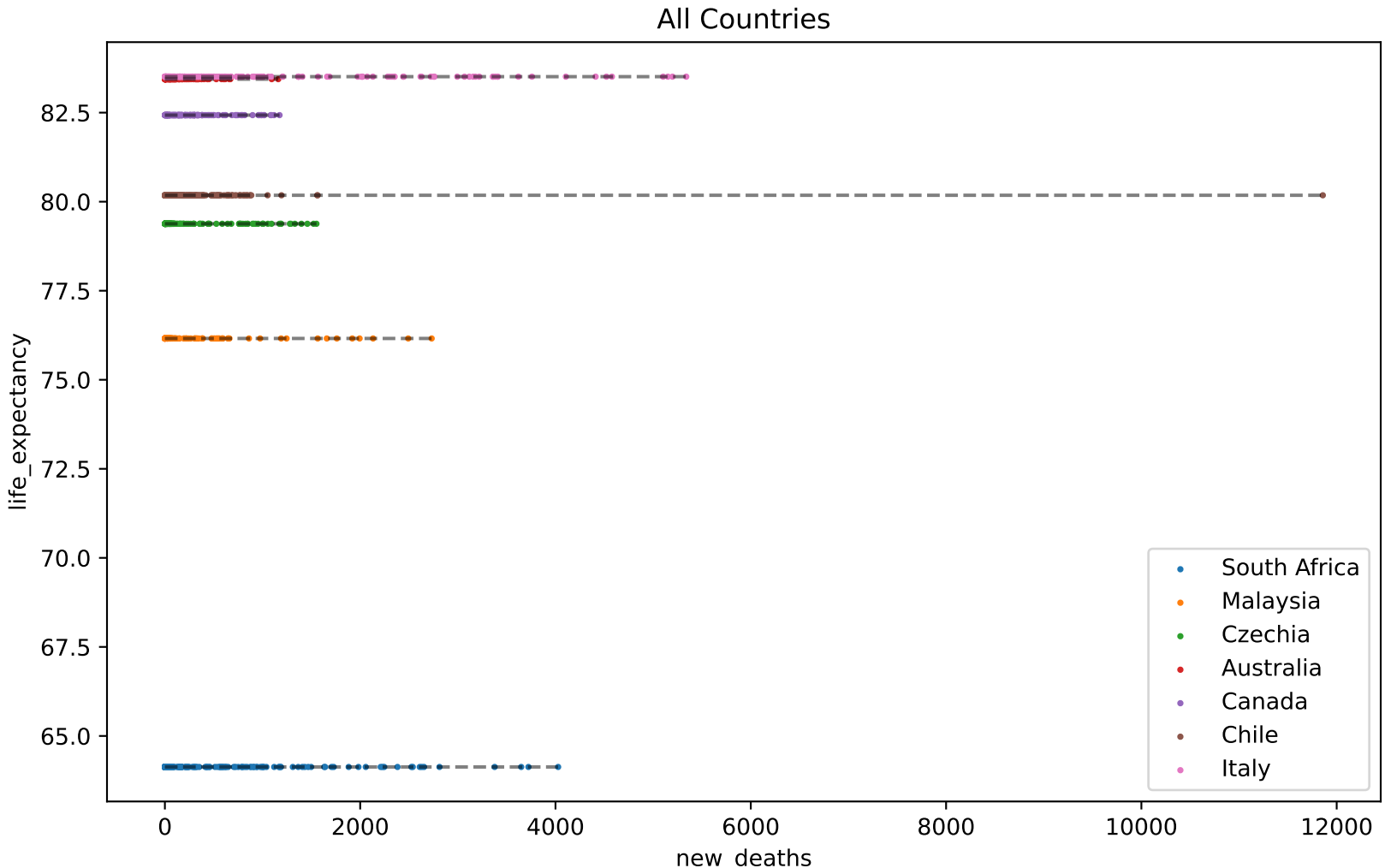

Czechia
1e−10+7.938e1
Data
Linear Fit
0.6
0.4
0.2
−0.0
−0.2
−0.4
−0.6
life_expectancy
0
200
400
600
800
1000
1200
1400
1600
new_deaths

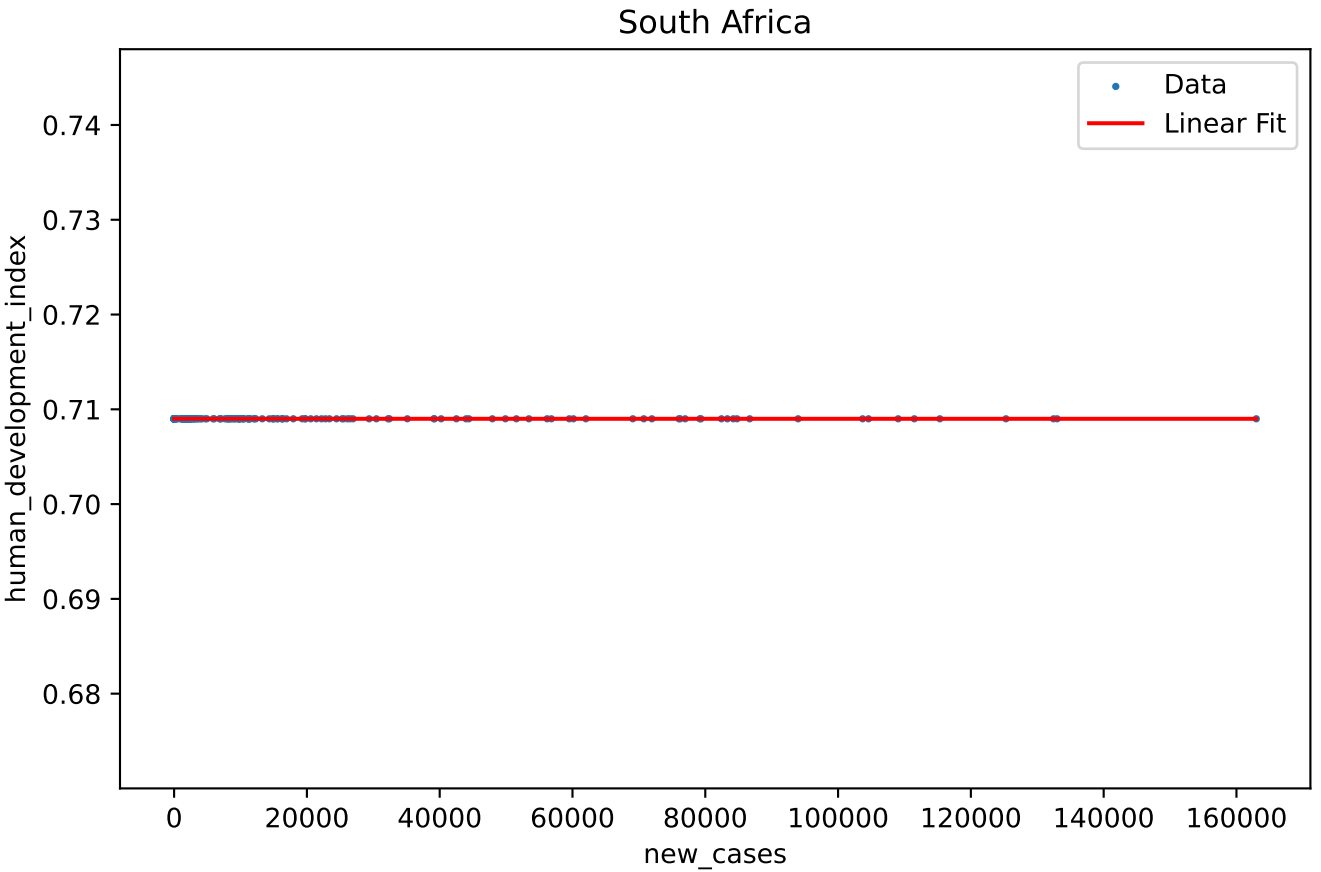

Australia
Data
Linear Fit
life_expectancy
new_deaths
88
86
84
82
80
0
200
400
600
800
1000
1200

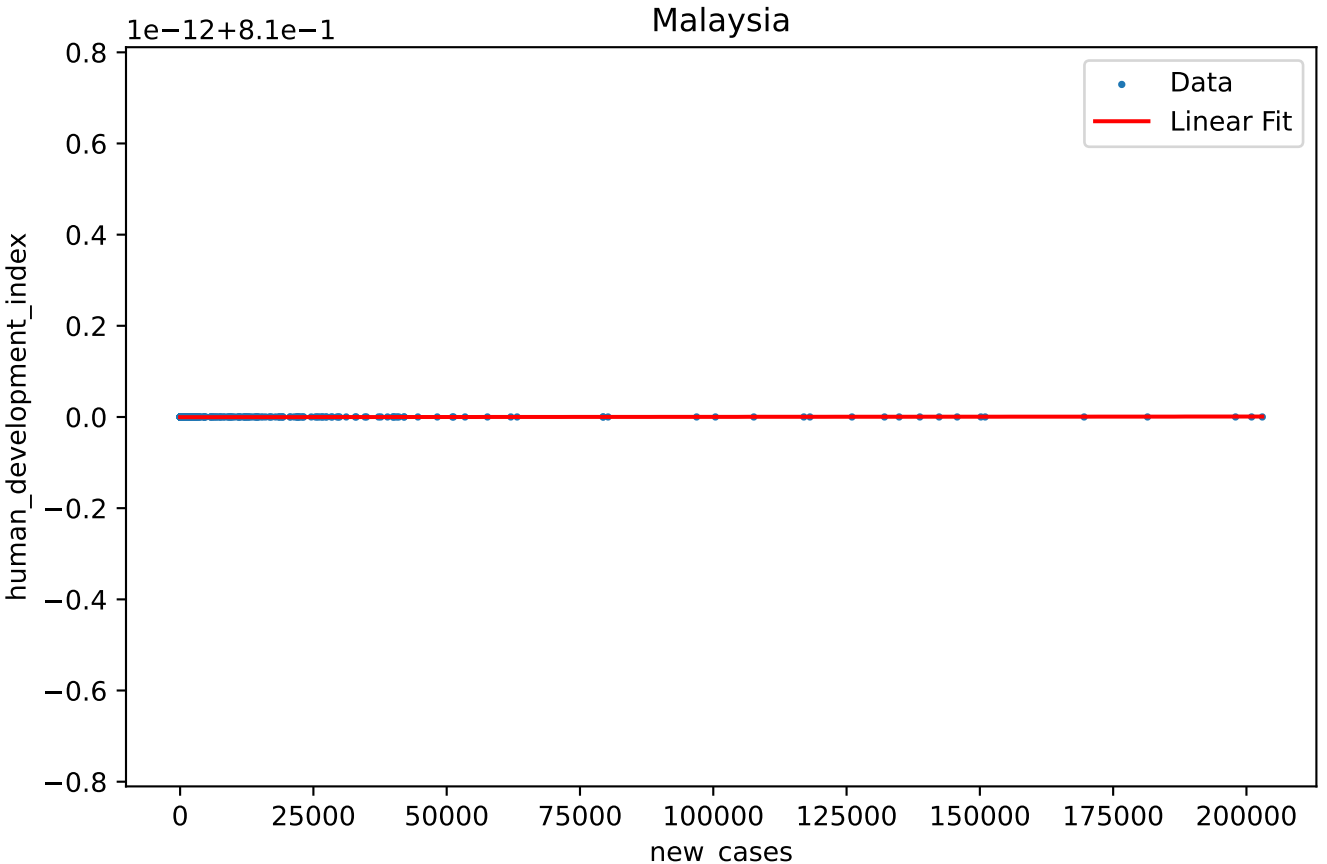

Canada
Data
Linear Fit
life_expectancy
86
84
82
80
78
0
200
400
600
800
1000
1200
new_deaths

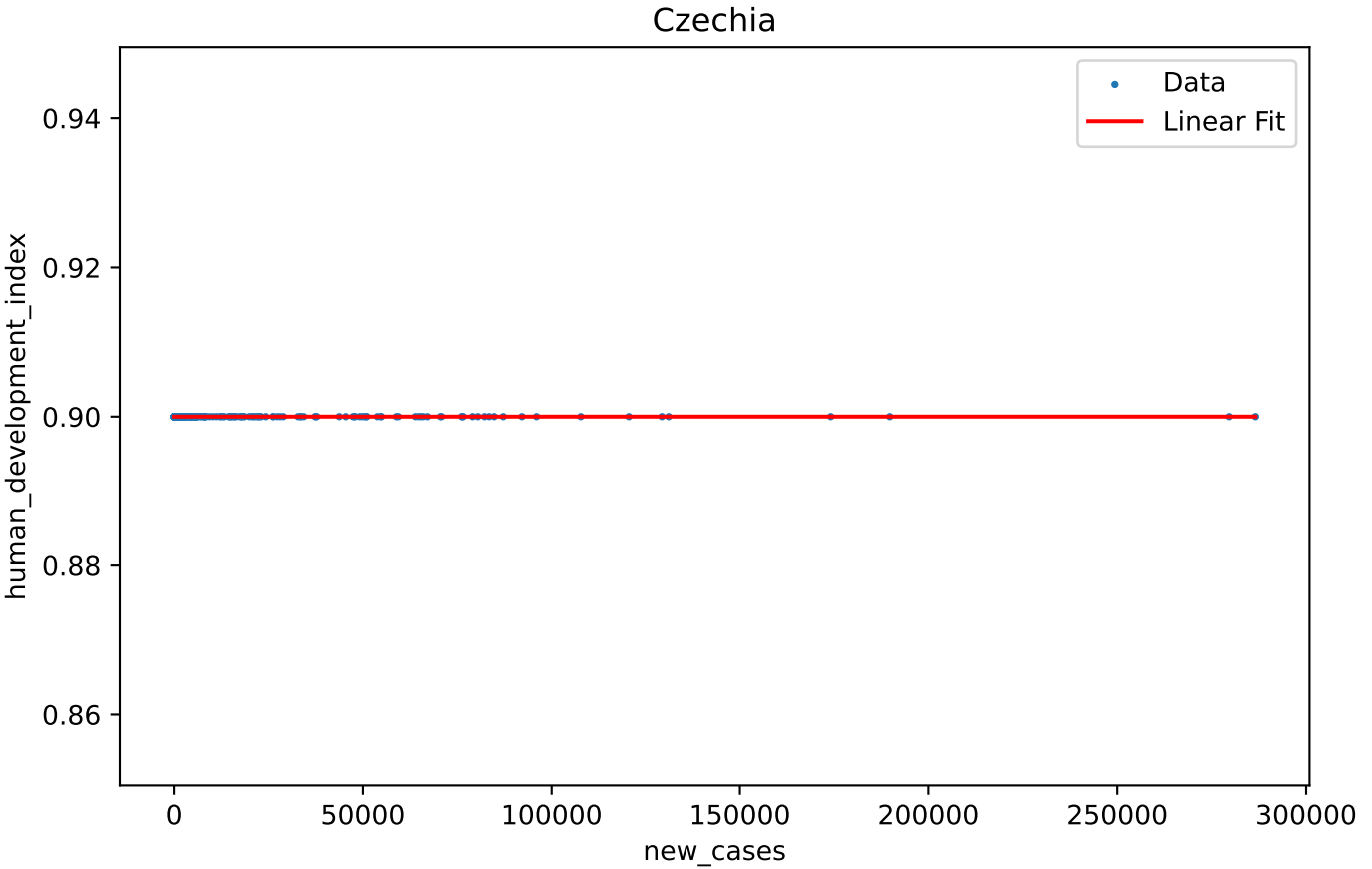

Chile
1e−10+8.018e1
0.8
0.6
0.4
0.2
−0.0
−0.2
−0.4
−0.6
−0.8
life_expectancy
0
2000
4000
6000
8000
10000
12000
new_deaths
Data
Linear Fit

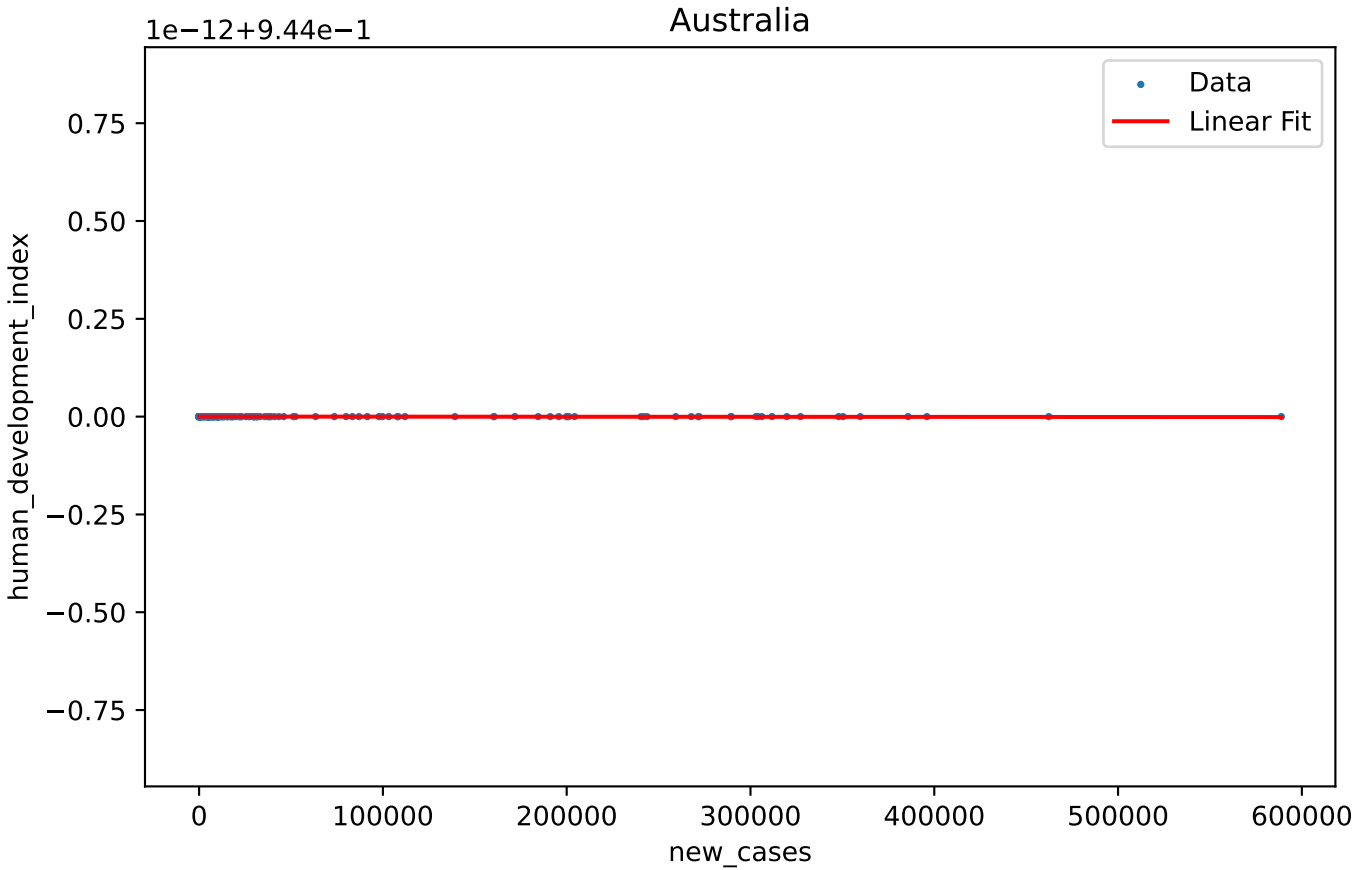

Italy
Data
Linear Fit
life_expectancy
new_deaths
88
86
84
82
80
0
1000
2000
3000
4000
5000

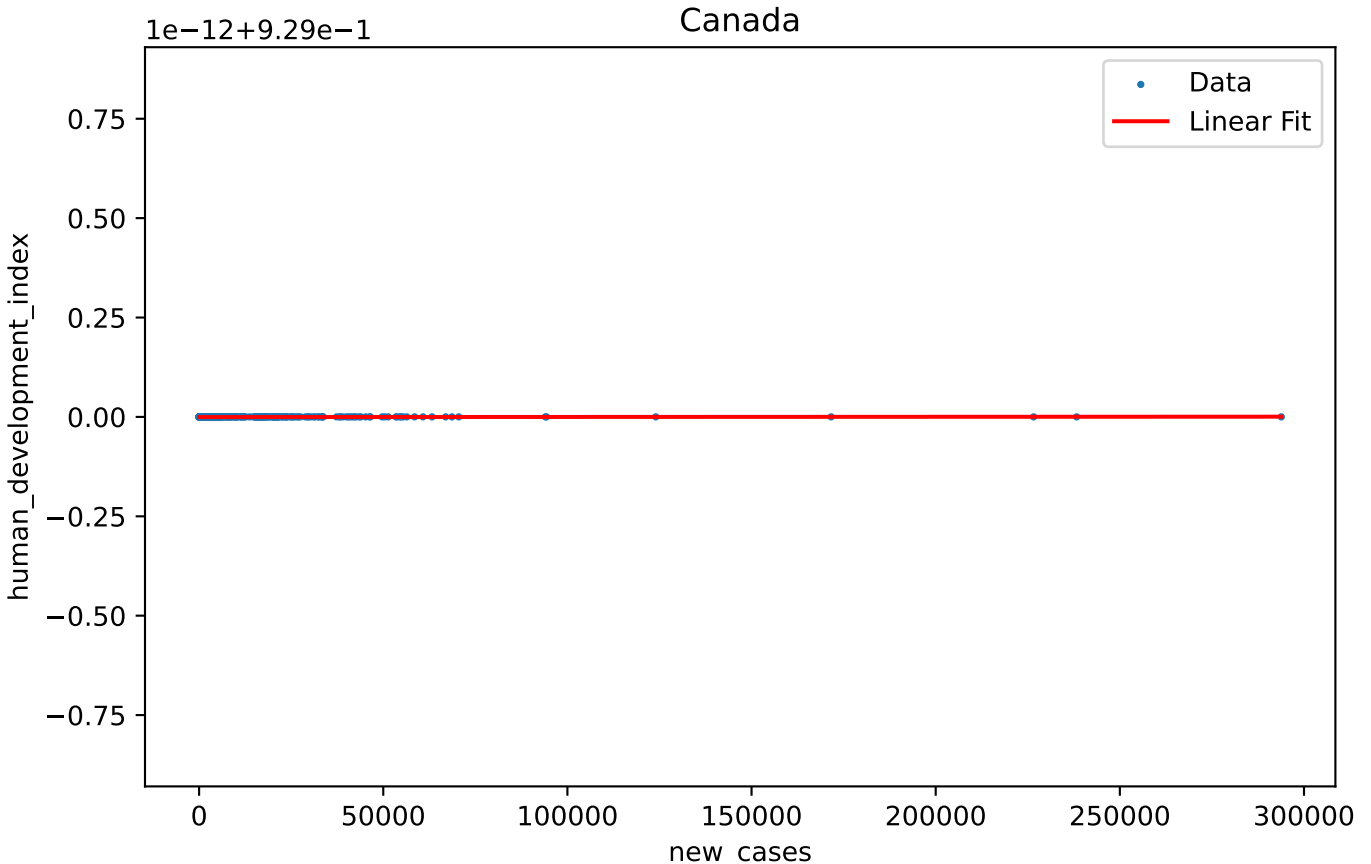

All Countries
life_expectancy
82.5
80.0
77.5
75.0
72.5
70.0
67.5
65.0
0
2000
4000
6000
8000
10000
12000
new_deaths
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

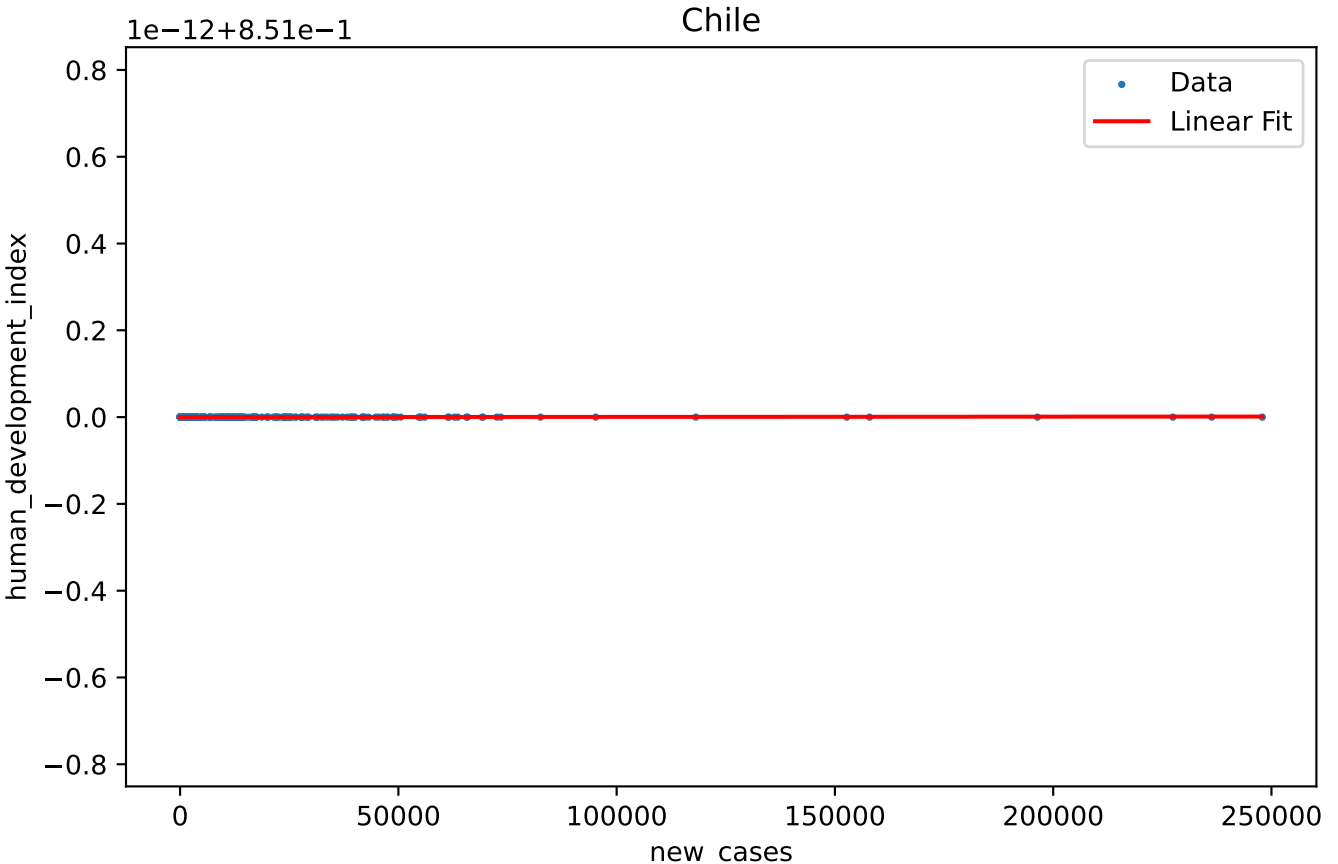

South Africa
Data
Linear Fit
human_development_index
0.74
0.73
0.72
0.71
0.70
0.69
0.68
0
20000
40000
60000
80000
100000
120000
140000
160000
new_cases

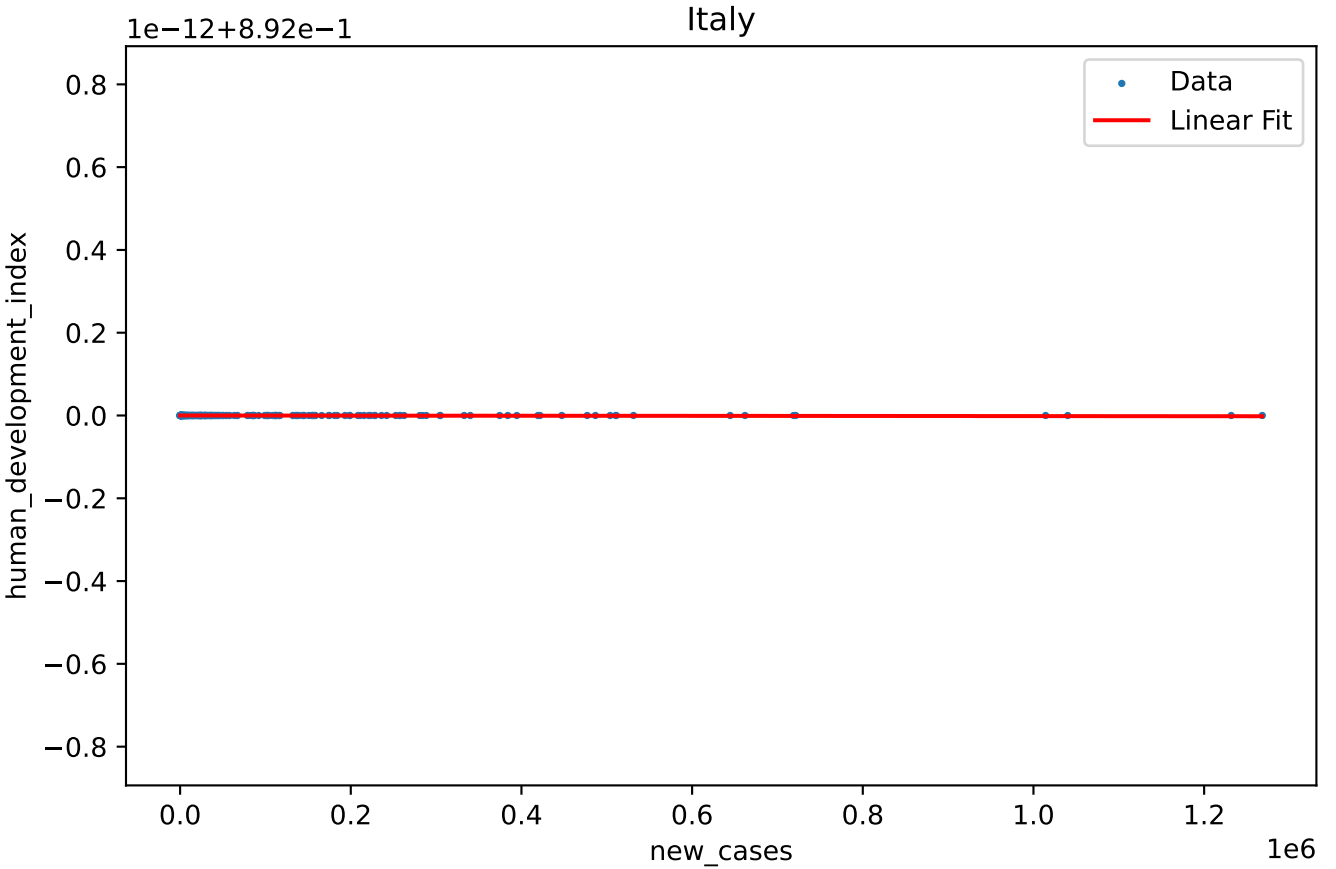

Malaysia
1e−12+8.1e−1
human_development_index
new_cases
Data
Linear Fit
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
0
25000
50000
75000
100000
125000
150000
175000
200000

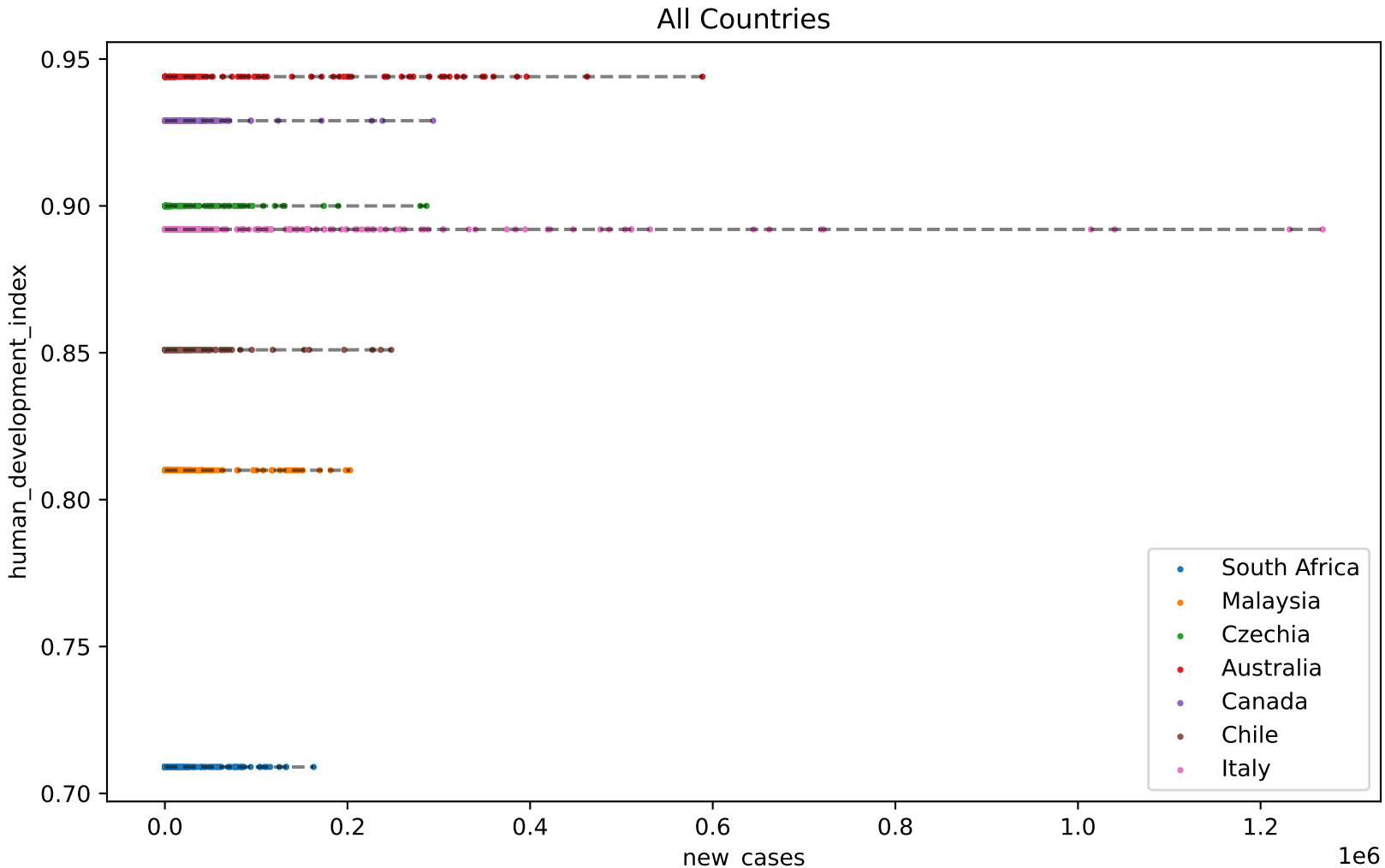

Czechia
Data
Linear Fit
0.94
0.92
0.90
0.88
0.86
human_development_index
0
50000
100000
150000
200000
250000
300000
new_cases

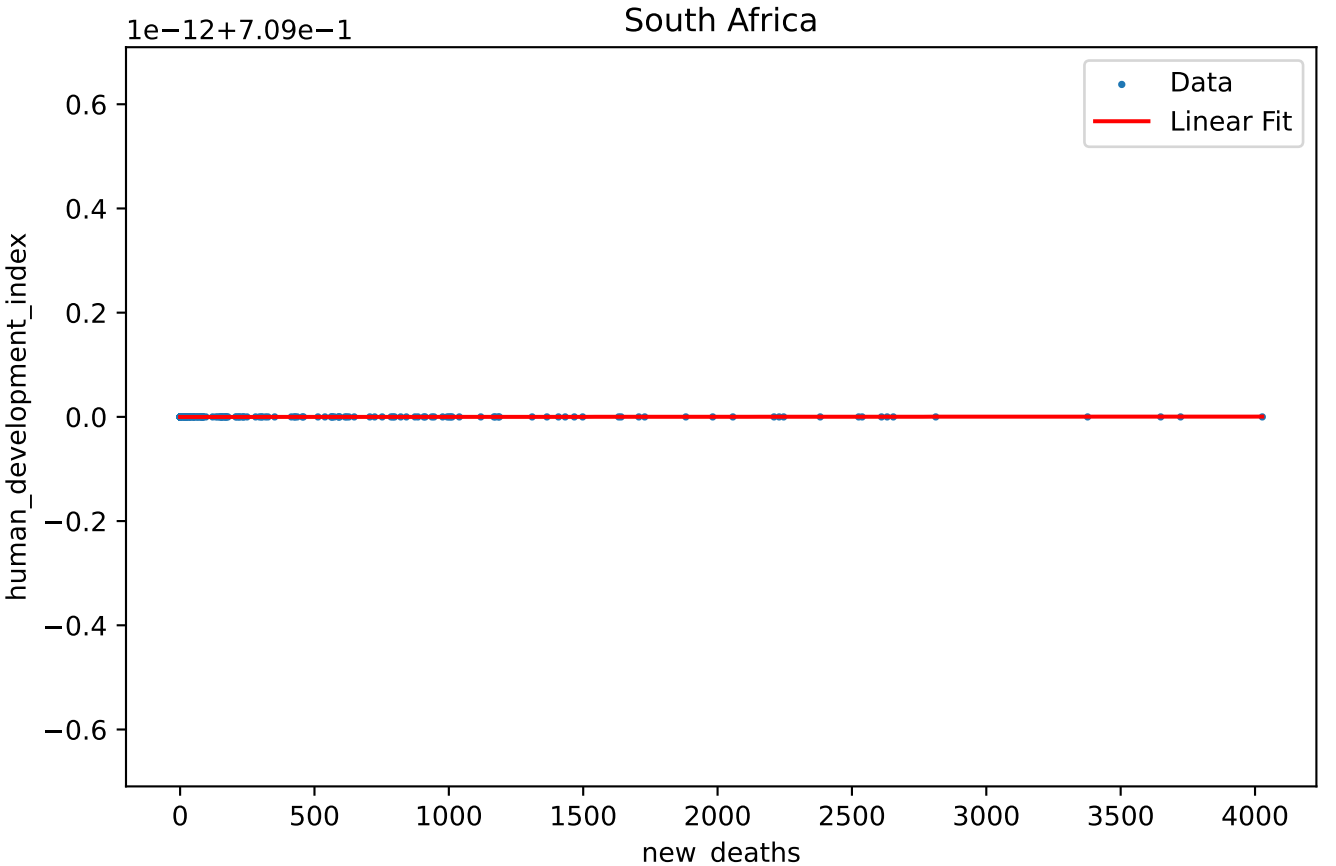

Australia
1e−12+9.44e−1
Data
Linear Fit
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
human_development_index
0
100000
200000
300000
400000
500000
600000
new_cases

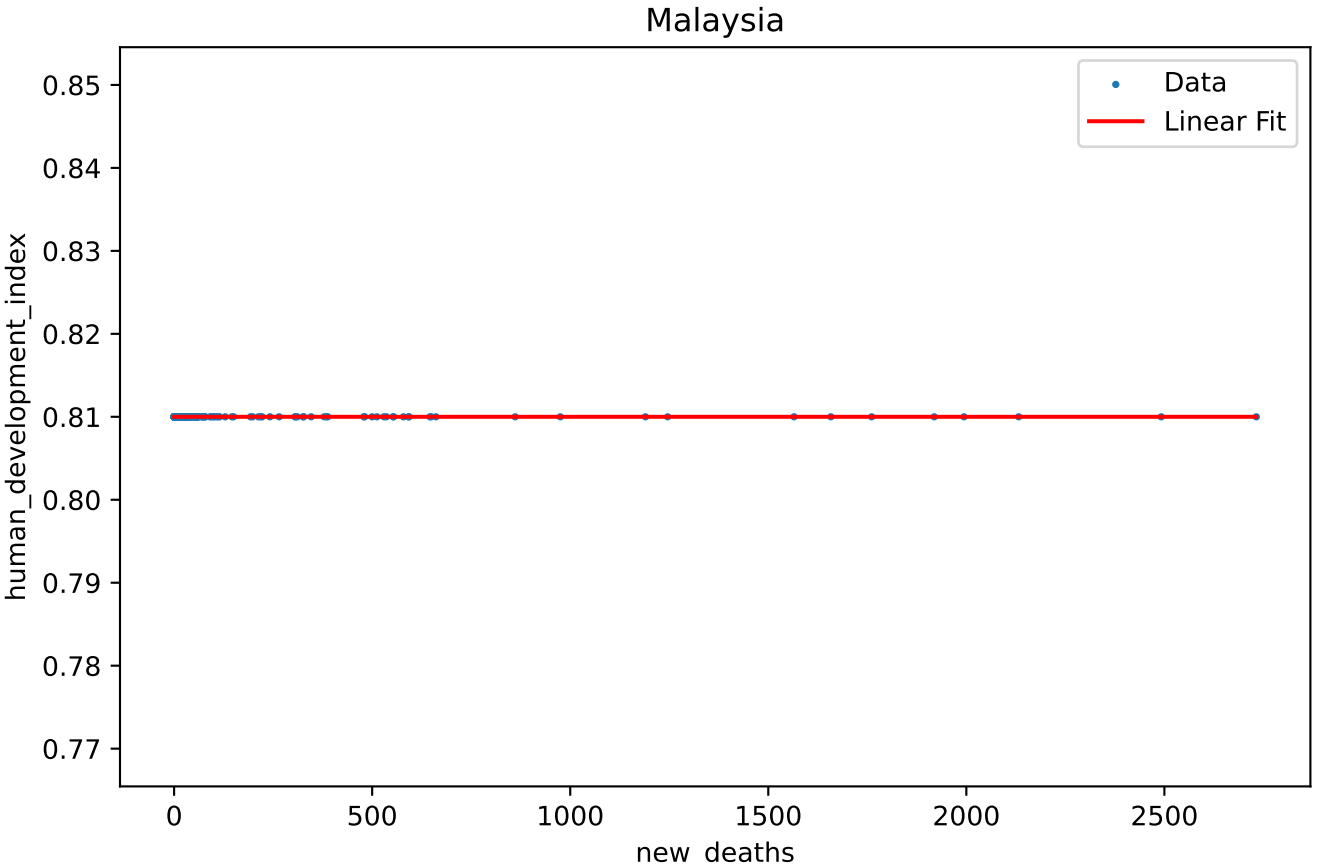

Canada
1e−12+9.29e−1
Data
Linear Fit
human_development_index
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
0
50000
100000
150000
200000
250000
300000
new_cases


Chile
1e−12+8.51e−1
human_development_index
new_cases
Data
Linear Fit
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
0
50000
100000
150000
200000
250000


Italy
1e−12+8.92e−1
human_development_index
new_cases
1e6
Data
Linear Fit
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
0.0
0.2
0.4
0.6
0.8
1.0
1.2


All Countries
human_development_index
0.95
0.90
0.85
0.80
0.75
0.70
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy


South Africa
1e−12+7.09e−1
Data
Linear Fit
human_development_index
new_deaths
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
0
500
1000
1500
2000
2500
3000
3500
4000


Malaysia
Data
Linear Fit
human_development_index
0.85
0.84
0.83
0.82
0.81
0.80
0.79
0.78
0.77
0
500
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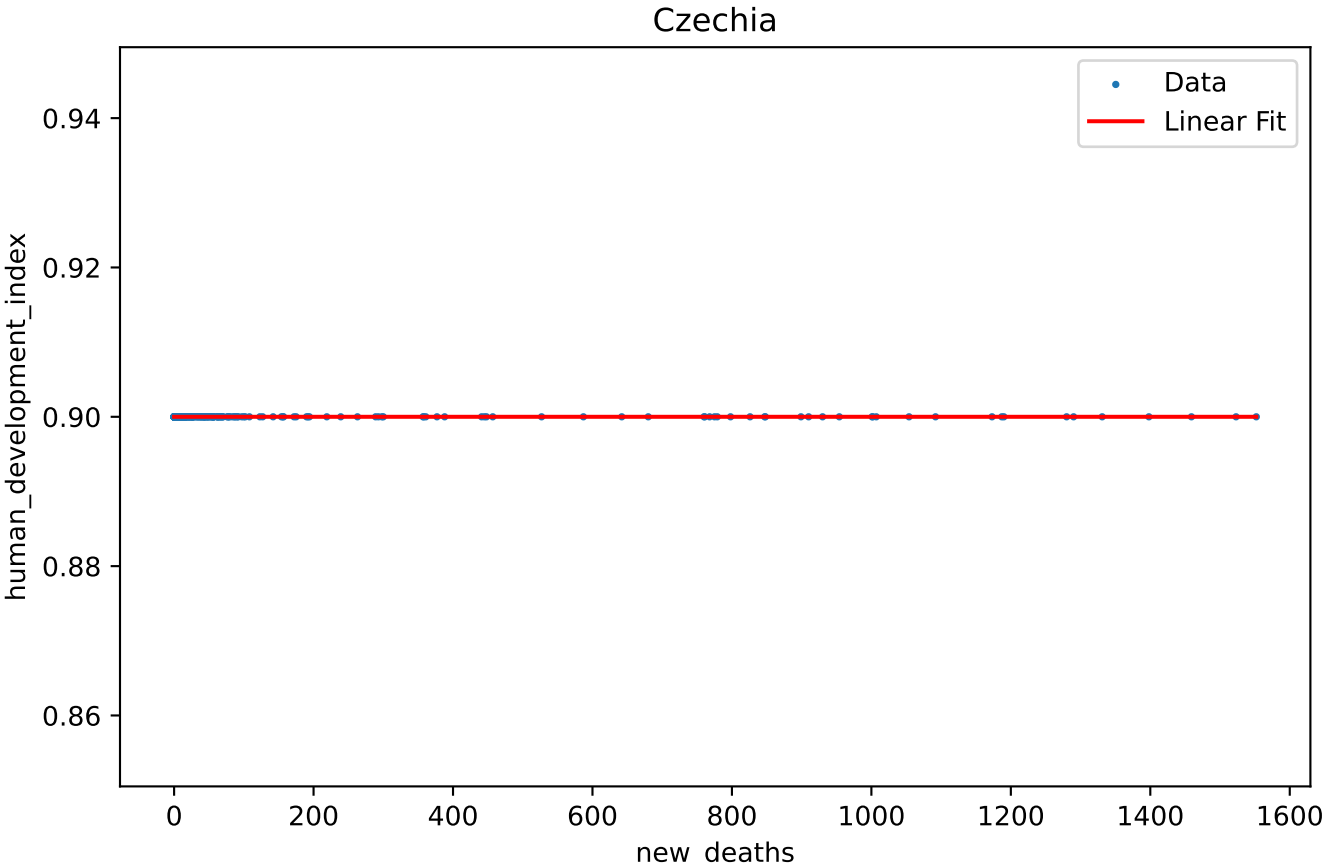
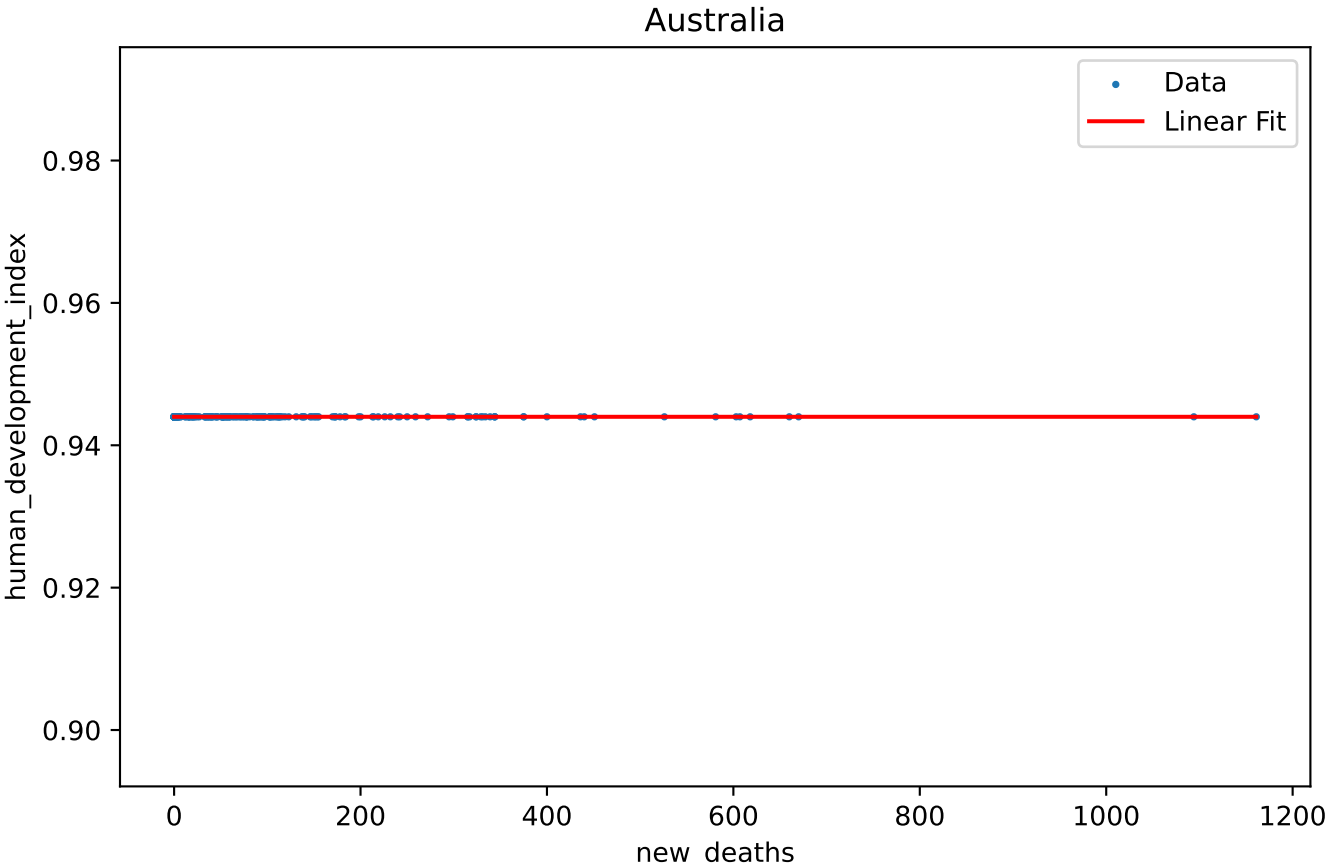
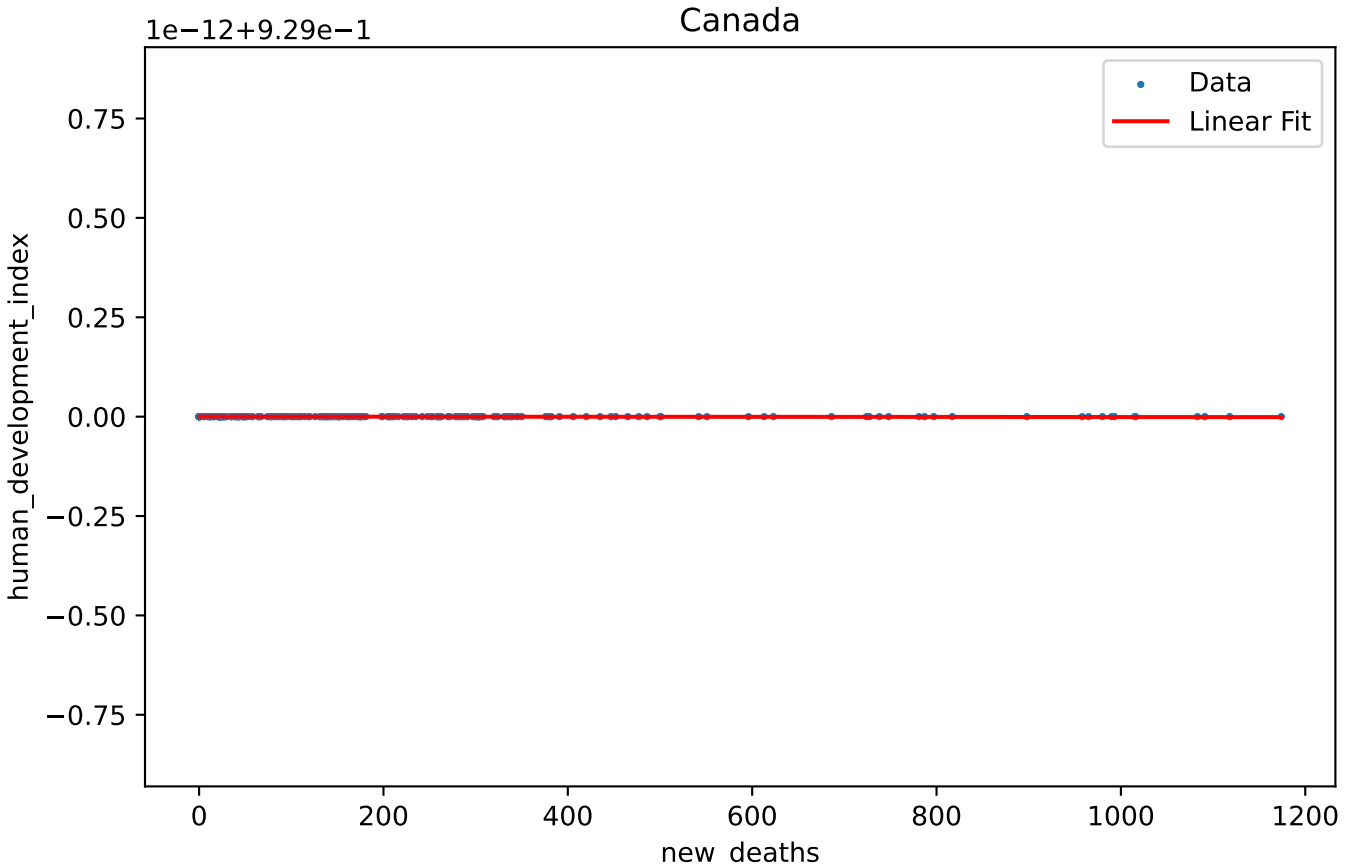
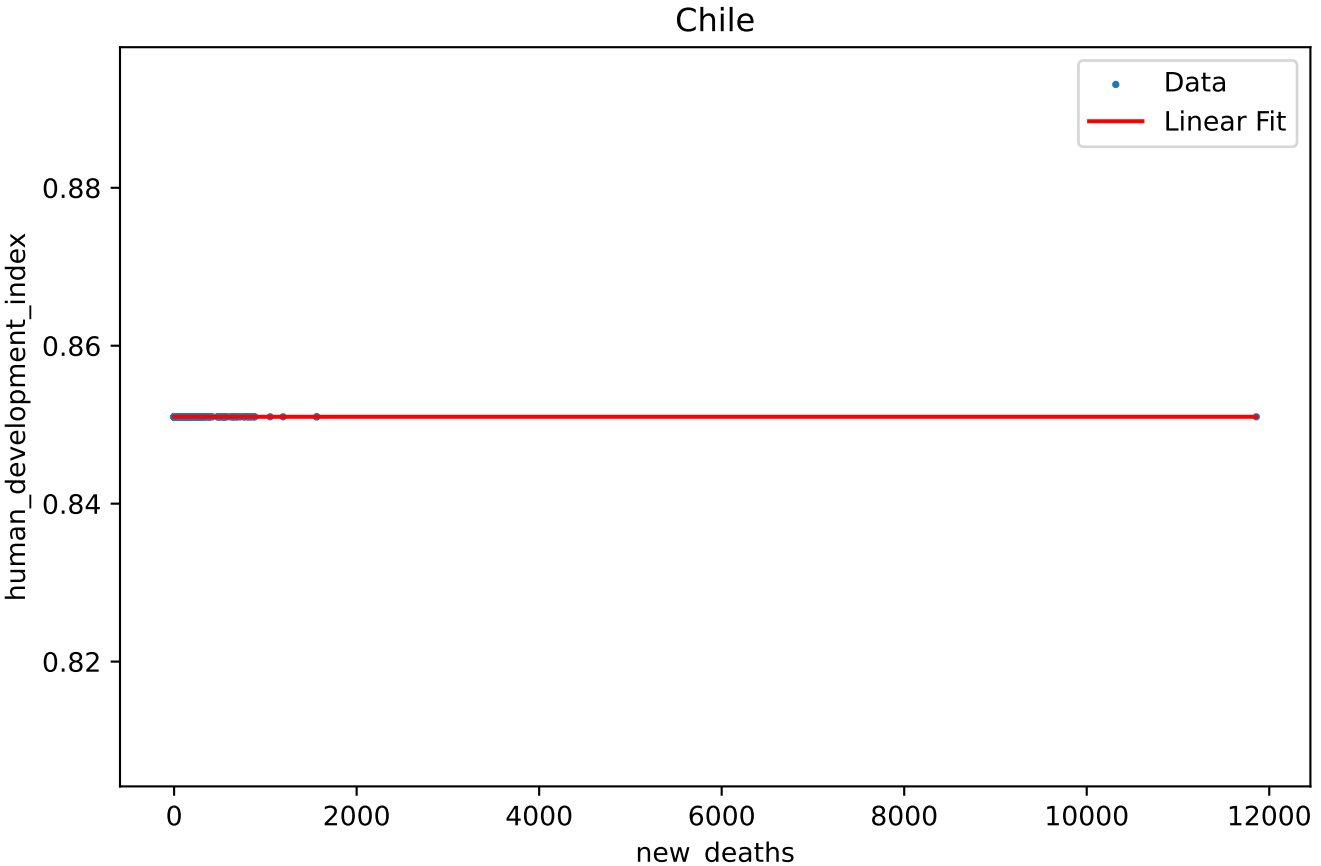
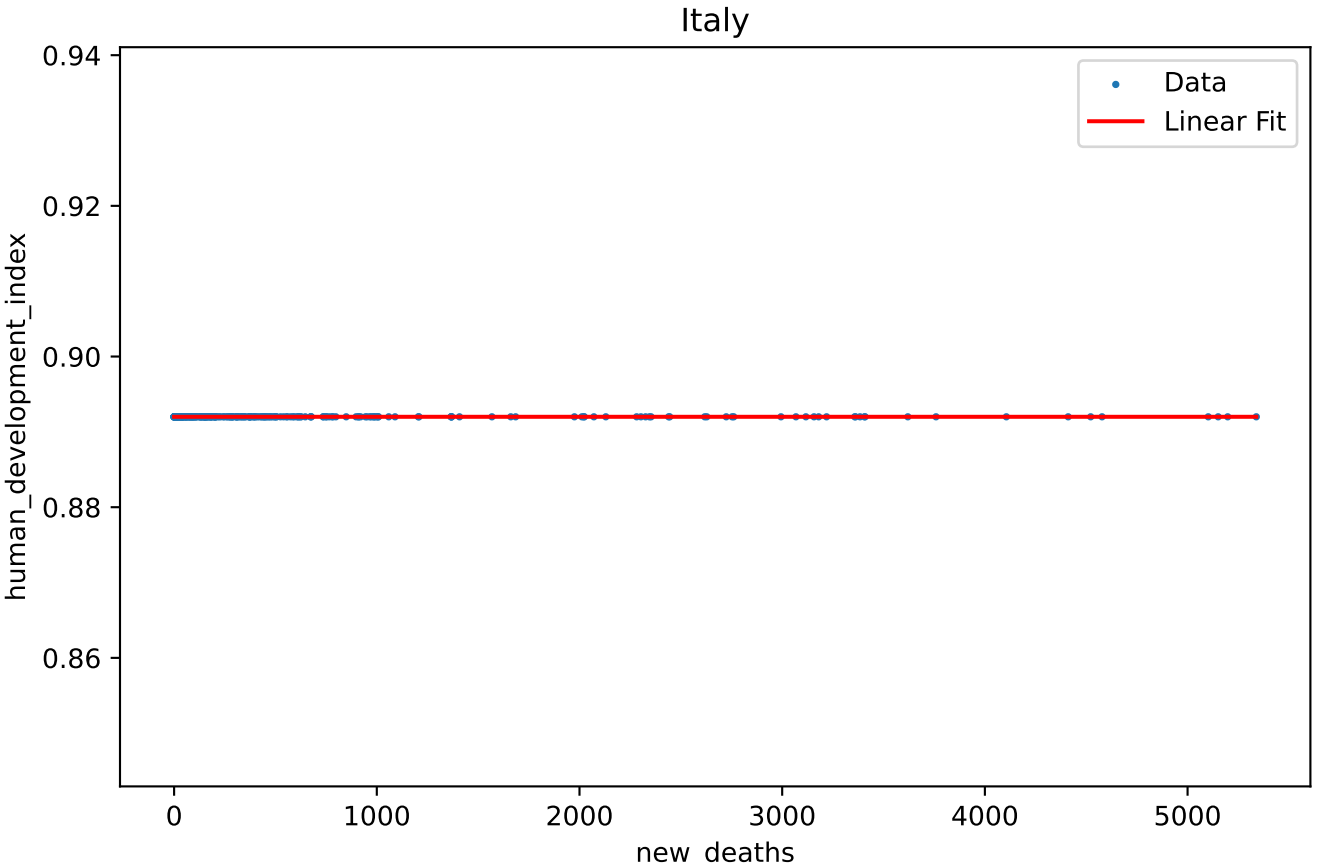
1500
2000
2500
new_deaths

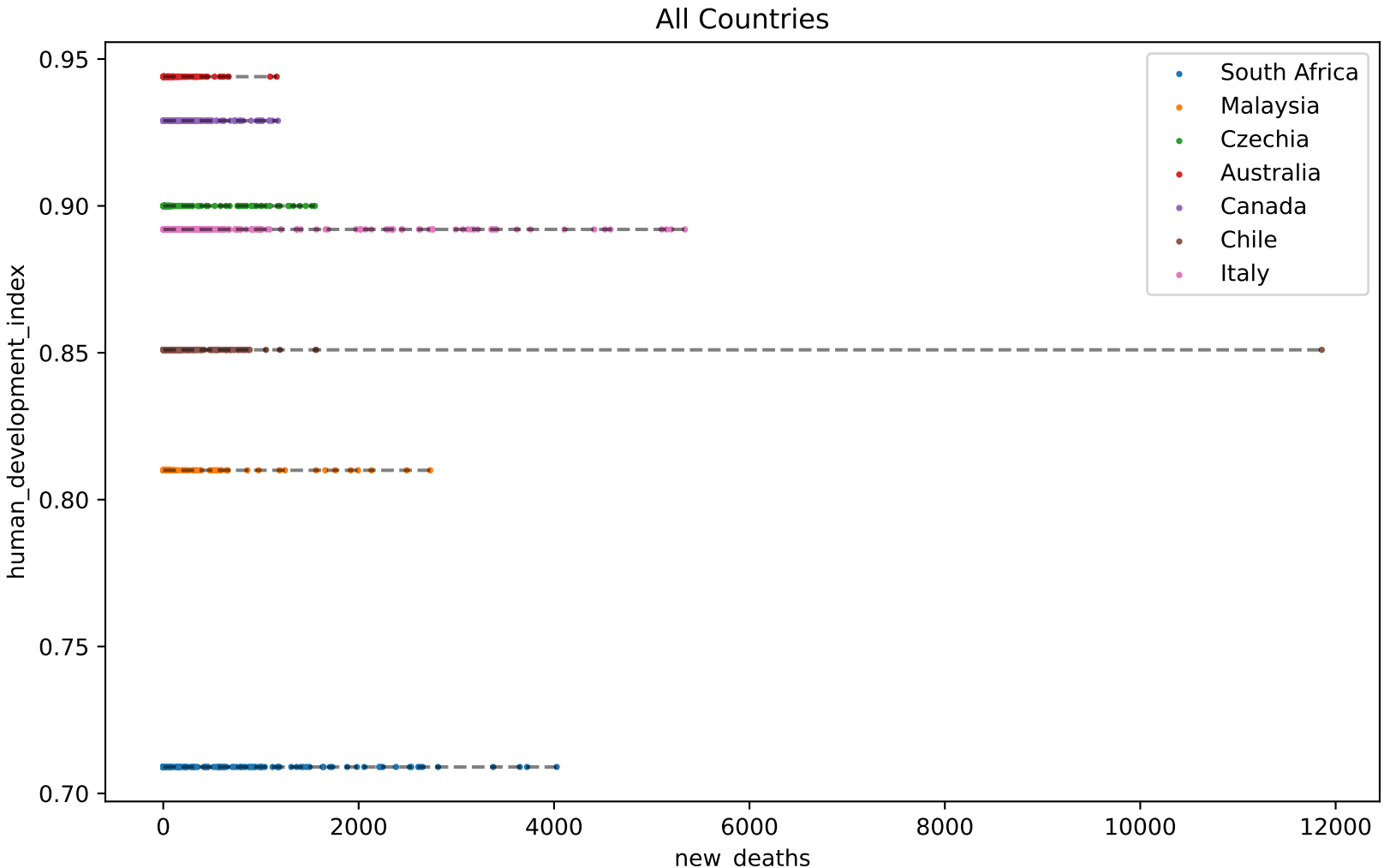

Czechia
Data
Linear Fit
0.94
0.92
0.90
0.88
0.86
human_development_index
0
200
400
600
800
1000
1200
1400
1600
new_deaths

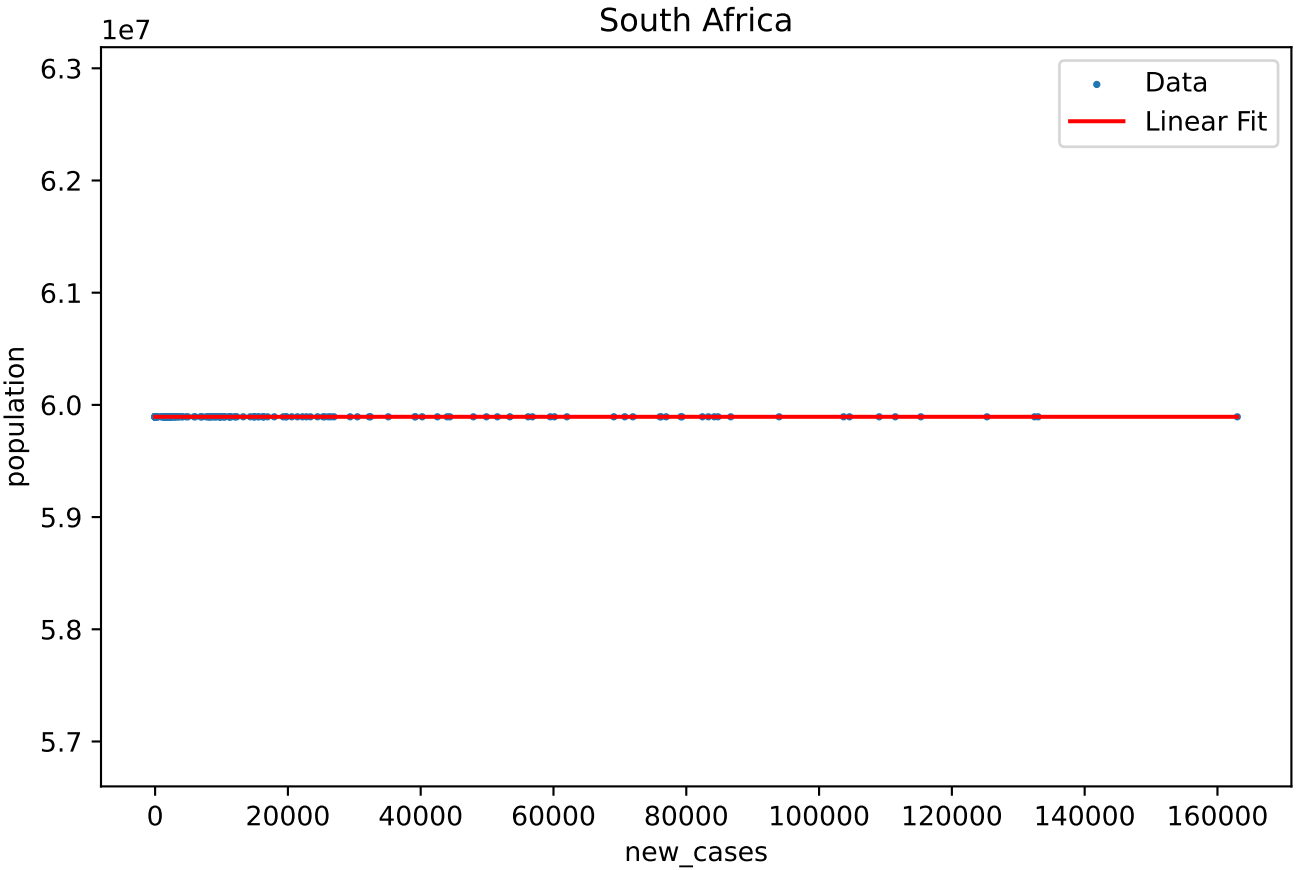

Australia
Data
Linear Fit
human_development_index
0.98
0.96
0.94
0.92
0.90
0
200
400
600
800
1000
1200
new_deaths

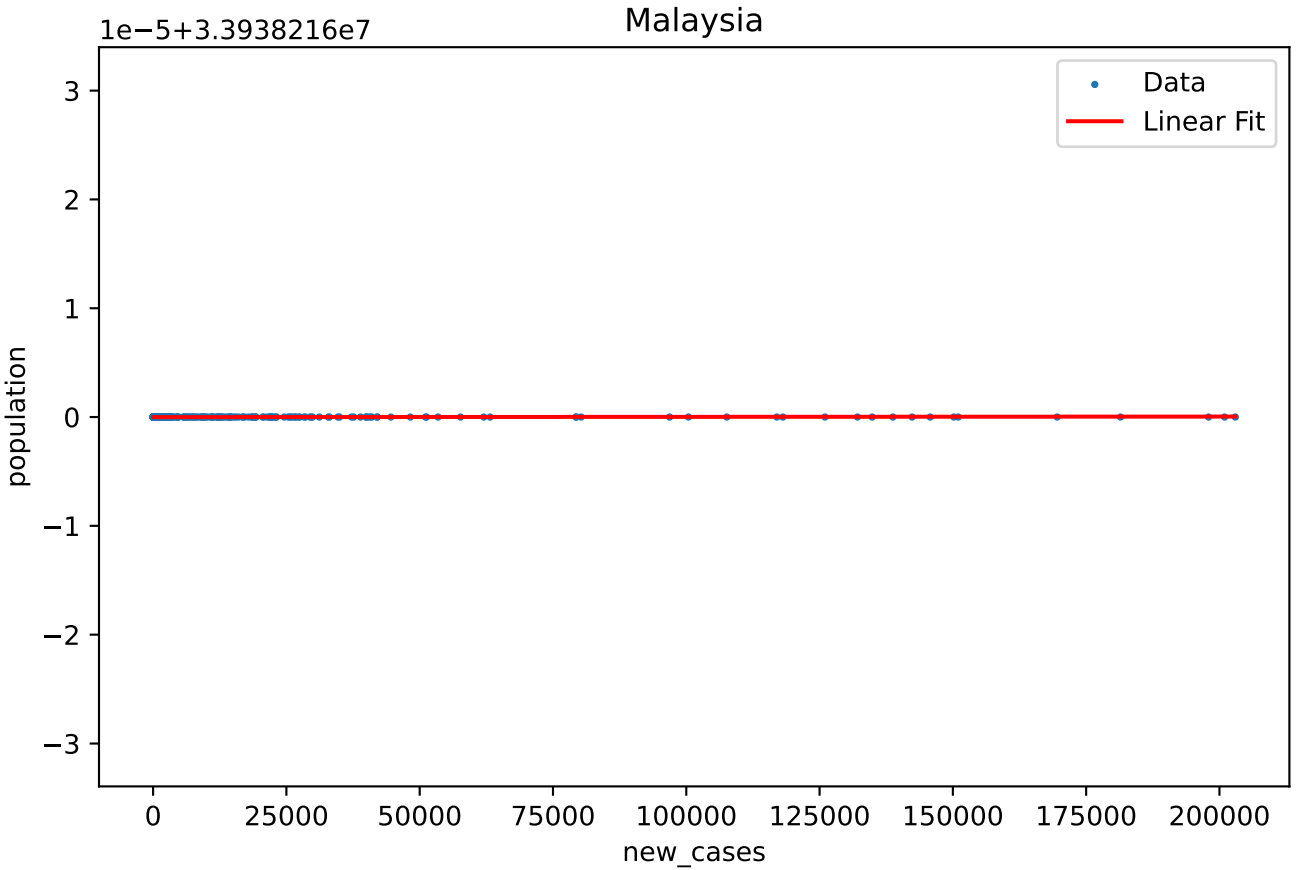

Canada
1e−12+9.29e−1
Data
Linear Fit
human_development_index
new_deaths
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
0
200
400
600
800
1000
1200

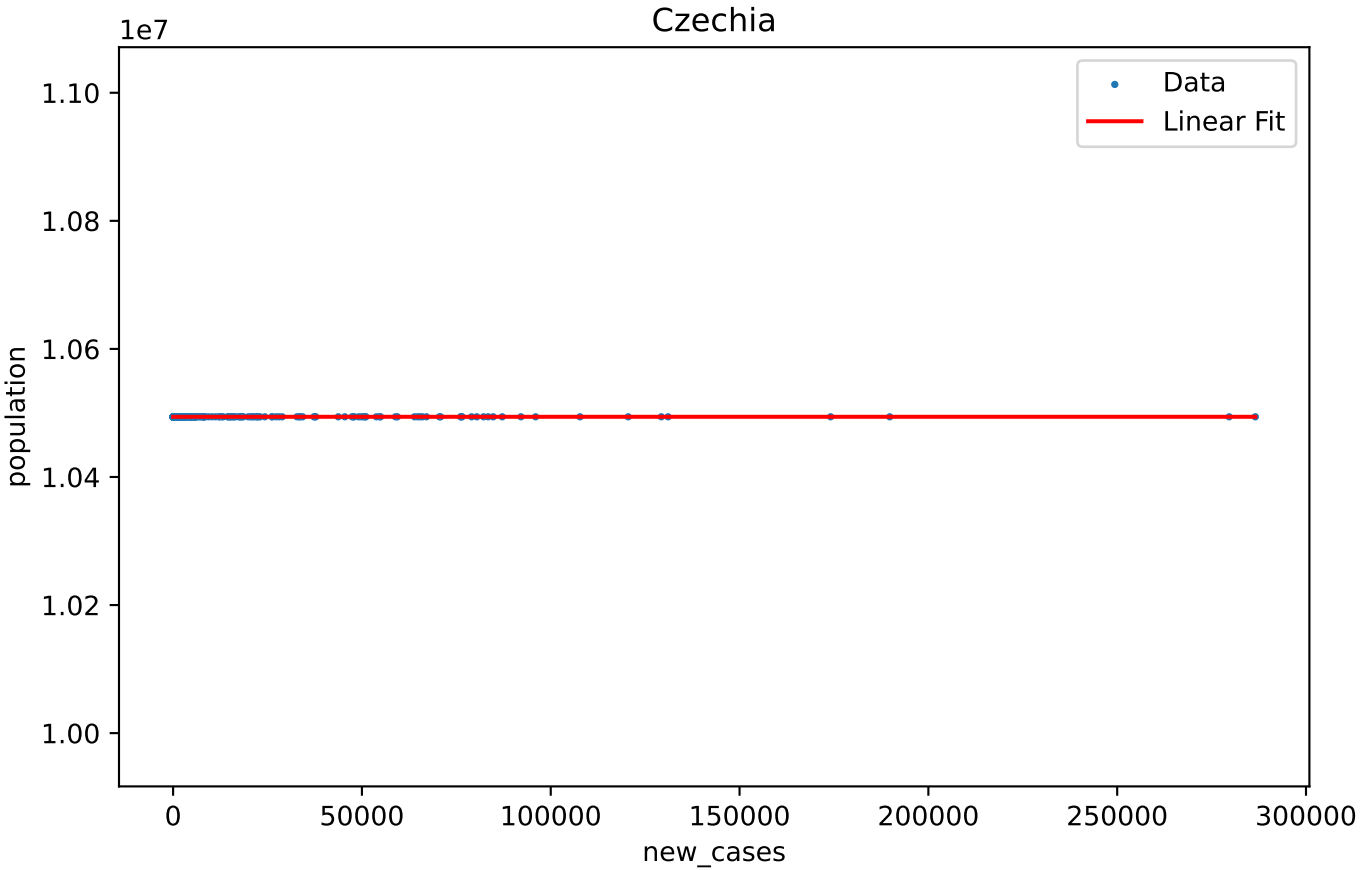

Chile
Data
Linear Fit
human_development_index
0.88
0.86
0.84
0.82
0
2000
4000
6000
8000
10000
12000
new_deaths

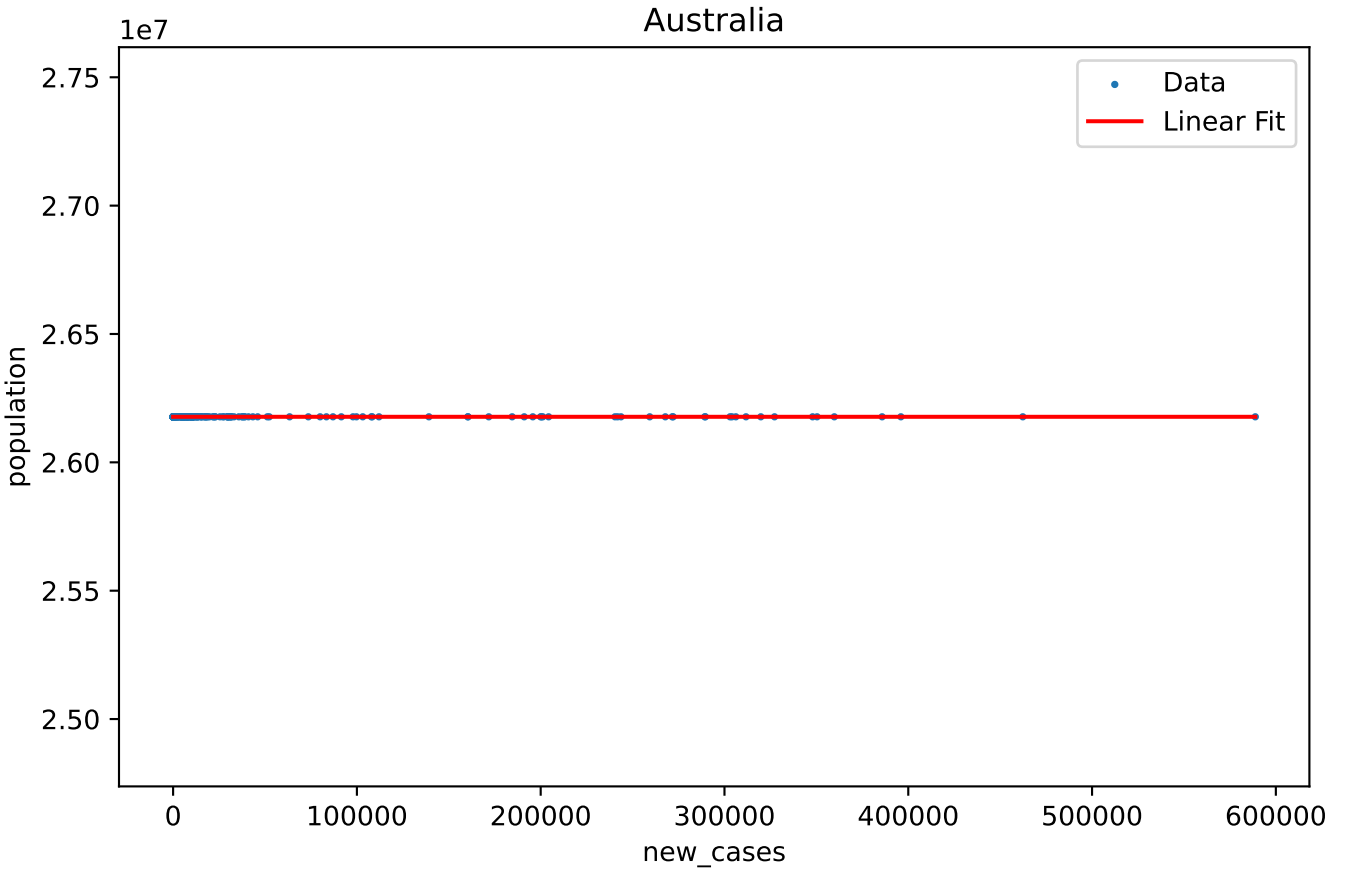

Italy
Data
Linear Fit
0.94
0.92
0.90
0.88
0.86
human_development_index
0
1000
2000
3000
4000
5000
new_deaths

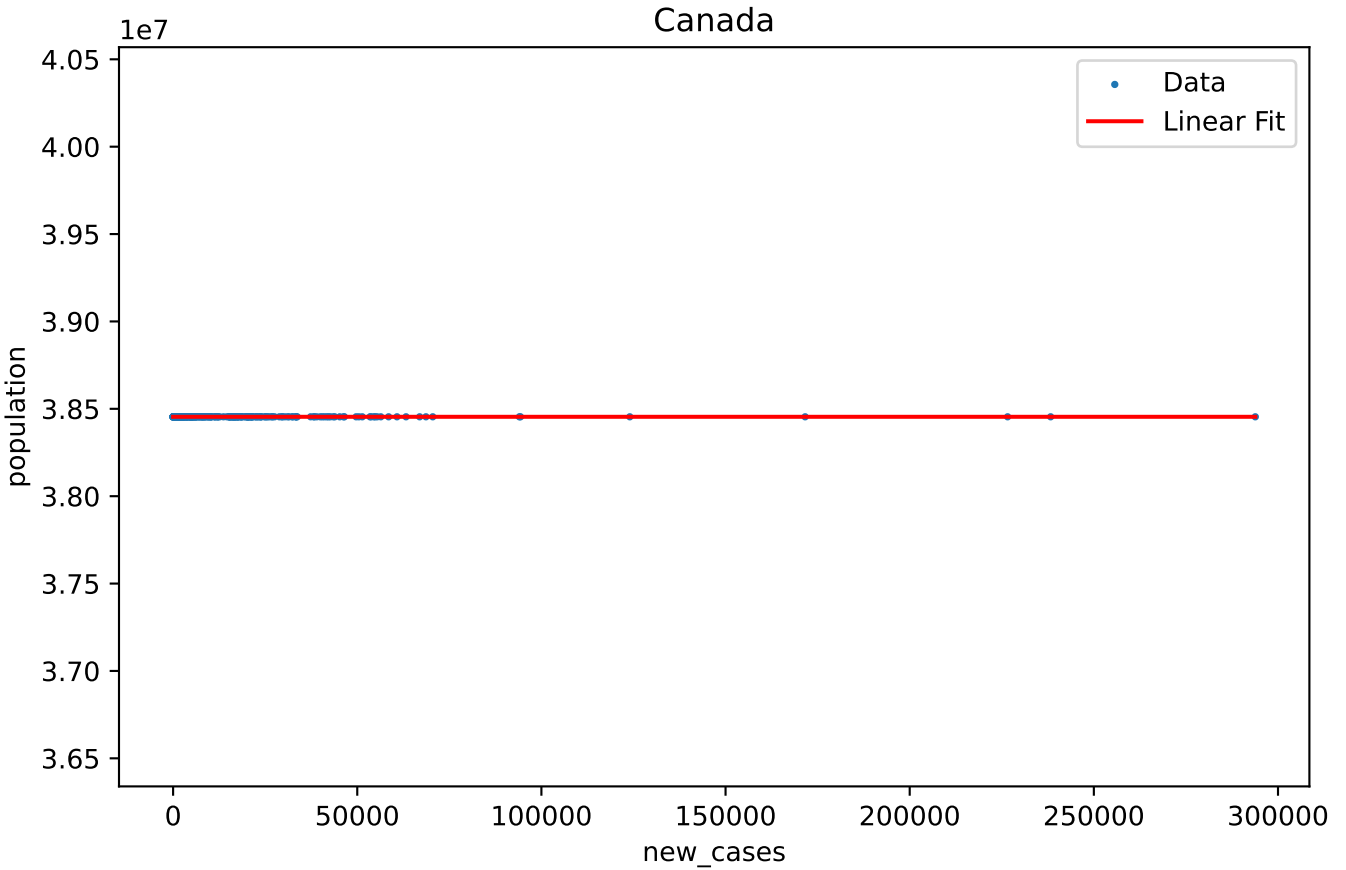

All Countries
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy
human_development_index
0.95
0.90
0.85
0.80
0.75
0.70
0
2000
4000
6000
8000
10000
12000
new_deaths

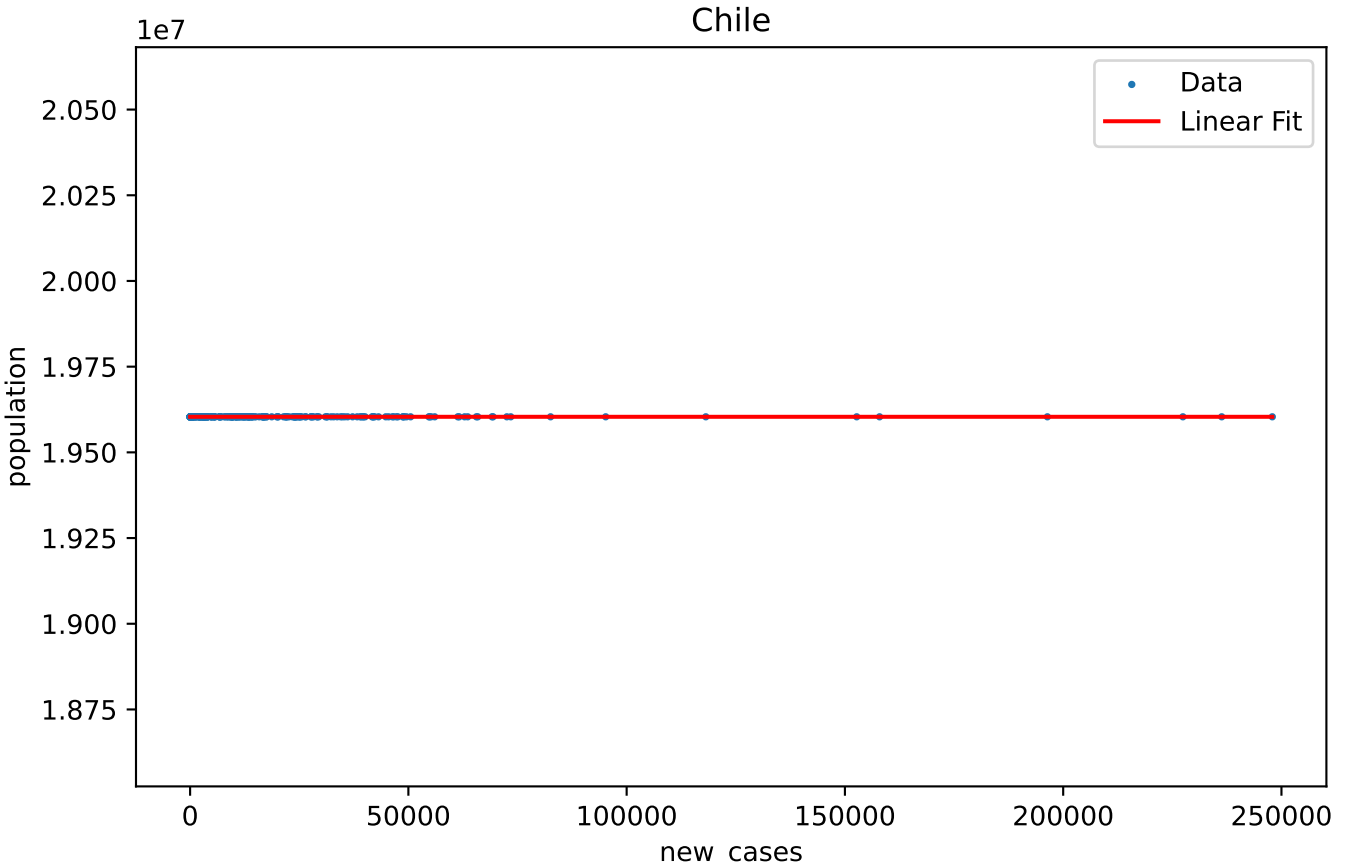

South Africa
1e7
6.3
6.2
6.1
6.0
5.9
5.8
5.7
population
Data
Linear Fit
0
20000
40000
60000
80000
100000
120000
140000
160000
new_cases

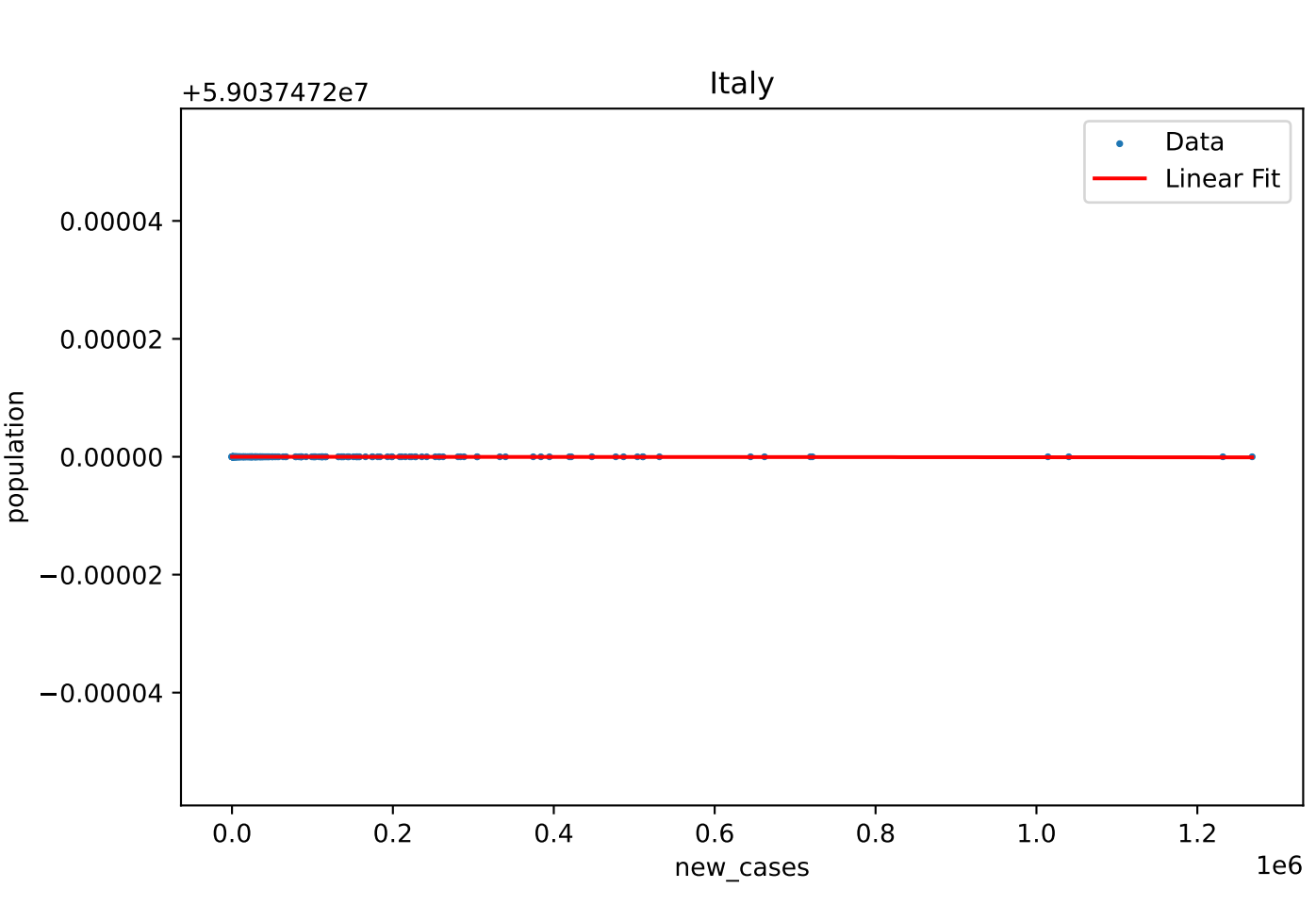

Malaysia
1e−5+3.3938216e7
Data
Linear Fit
population
new_cases
3
2
1
0
−1
−2
−3
0
25000
50000
75000
100000
125000
150000
175000
200000

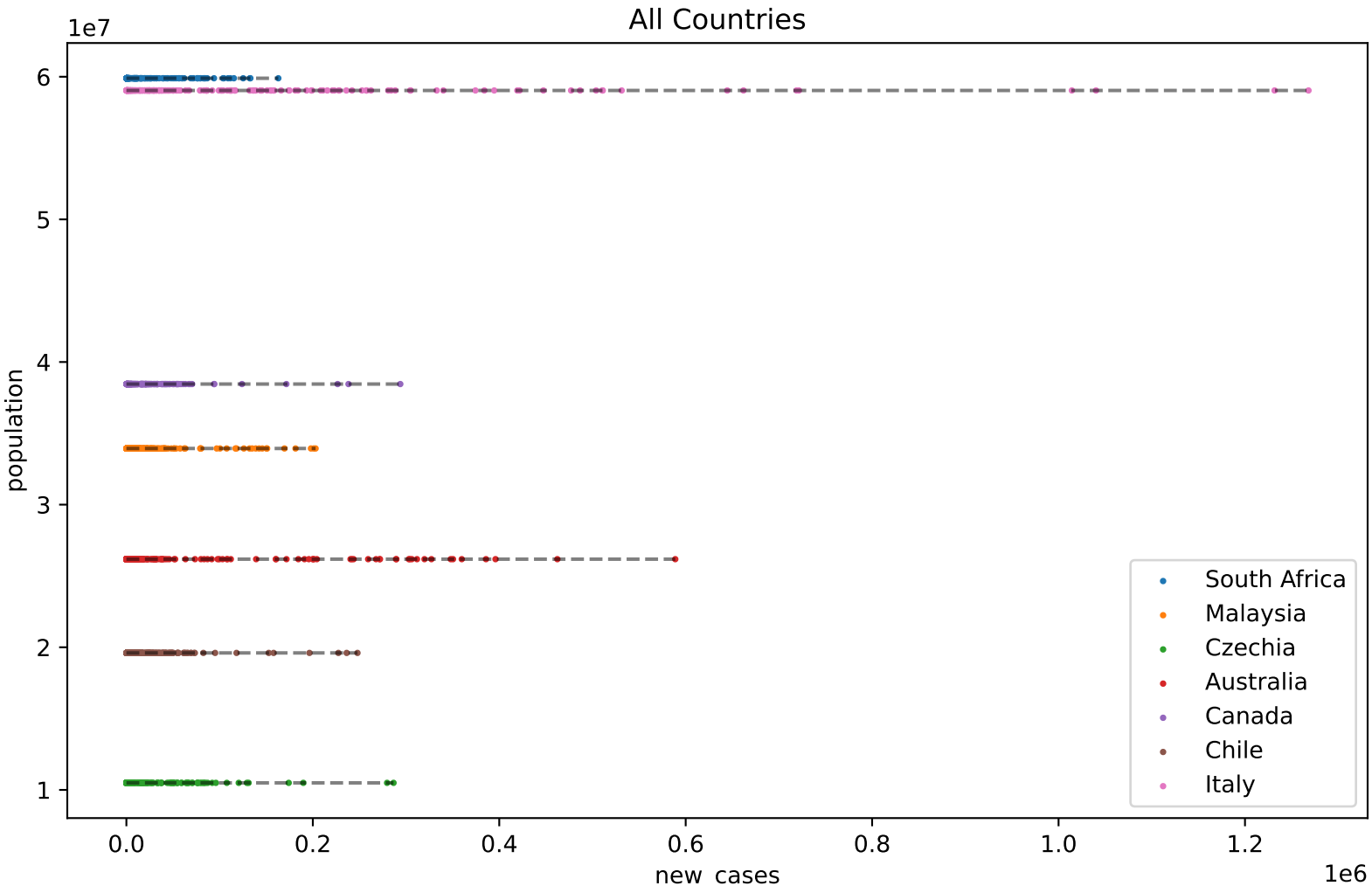

Czechia
1e7
1.10
1.08
1.06
1.04
1.02
1.00
population
0
50000
100000
150000
200000
250000
300000
new_cases
Data
Linear Fit

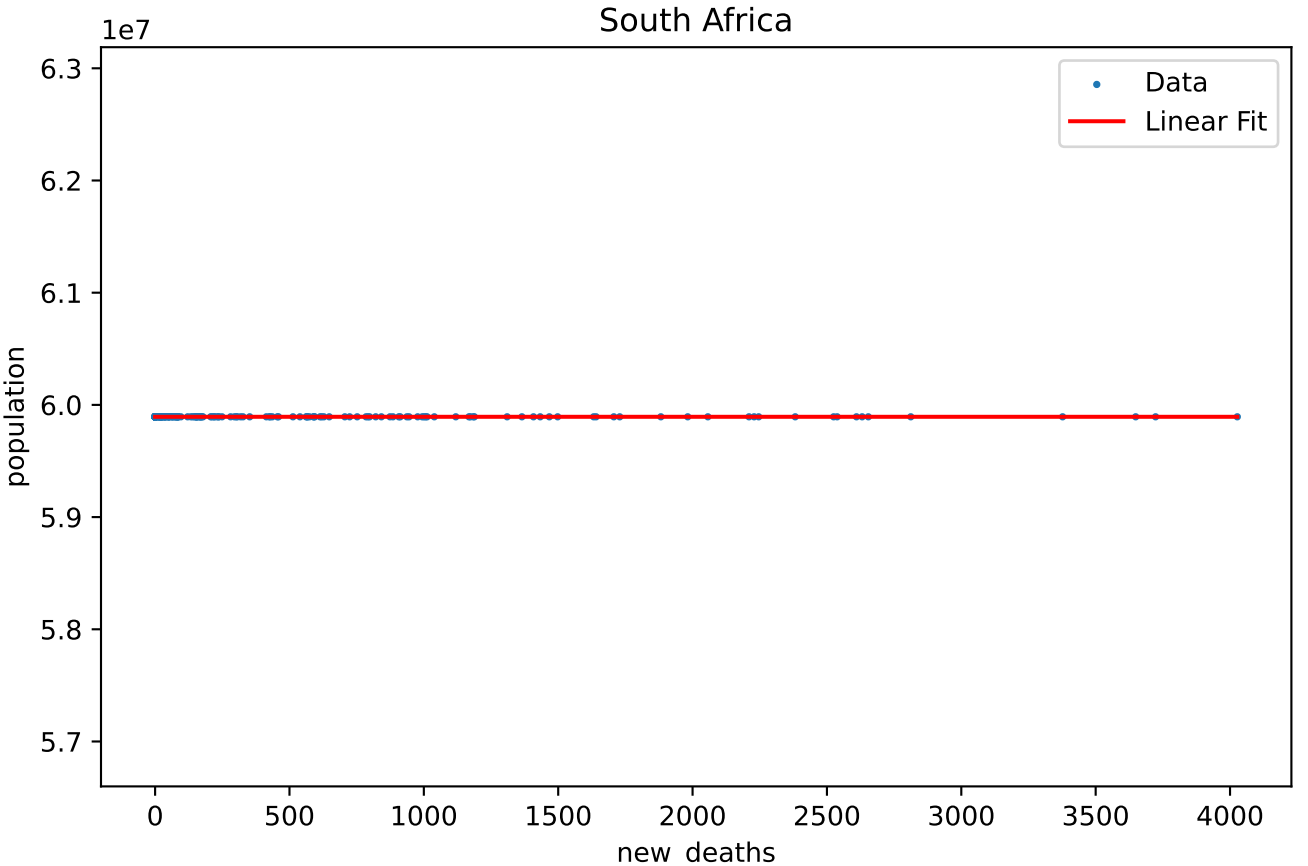

Australia
1e7
2.75
2.70
2.65
2.60
2.55
2.50
population
0
100000
200000
300000
400000
500000
600000
new_cases
Data
Linear Fit

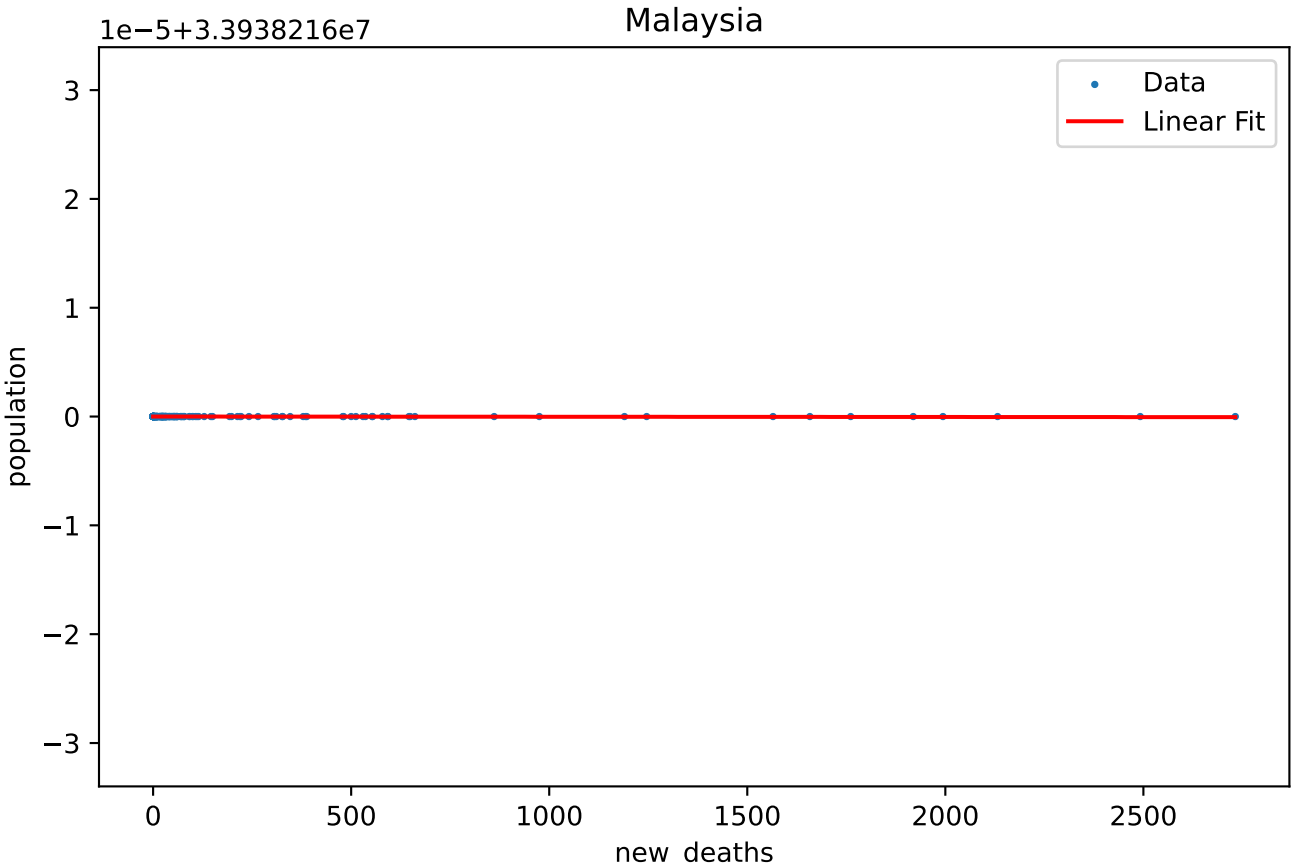

Canada
1e7
4.05
4.00
3.95
3.90
3.85
3.80
3.75
3.70
3.65
population
Data
Linear Fit
0
50000
100000
150000
200000
250000
300000
new_cases

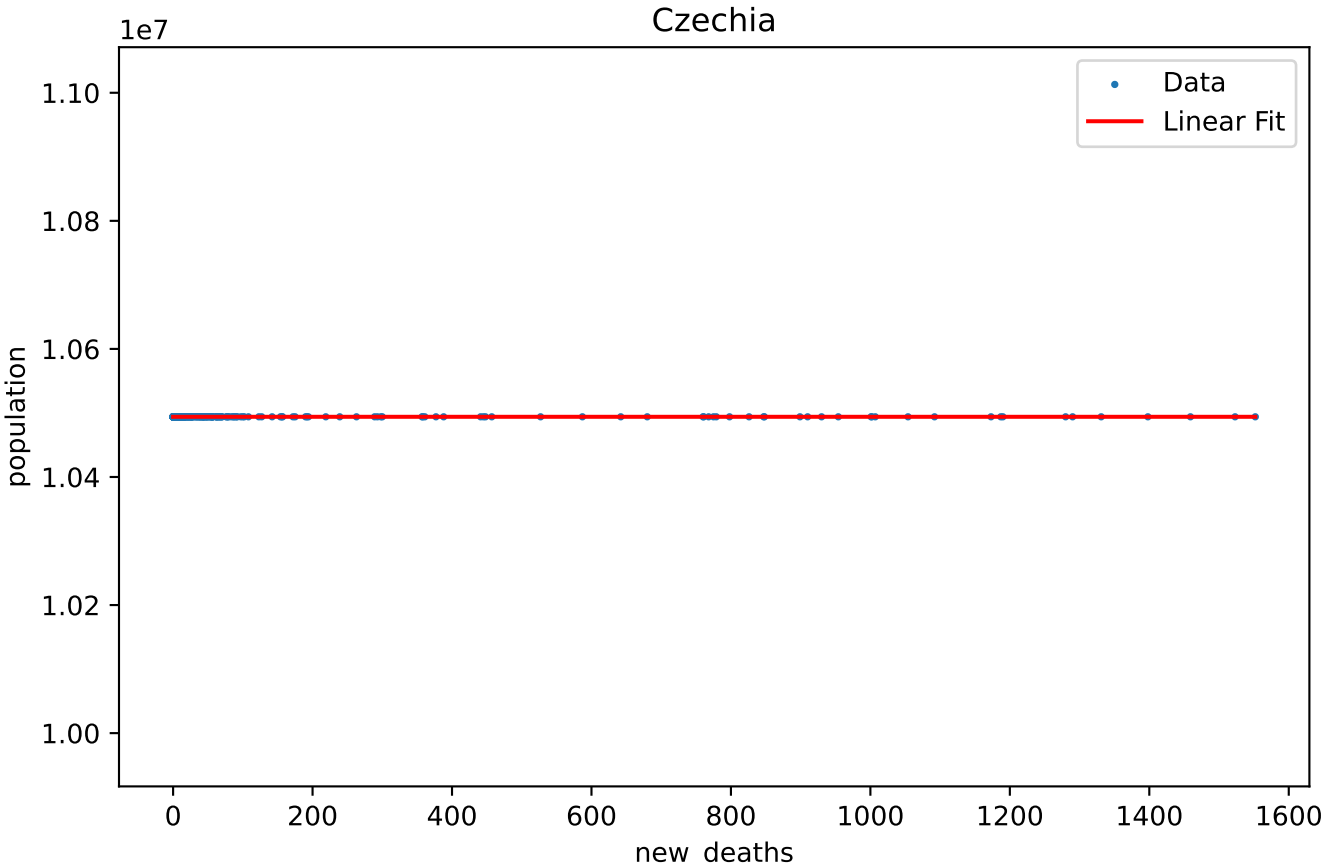

Chile
1e7
2.050
2.025
2.000
1.975
1.950
1.925
1.900
1.875
population
0
50000
100000
150000
200000
250000
new_cases
Data
Linear Fit

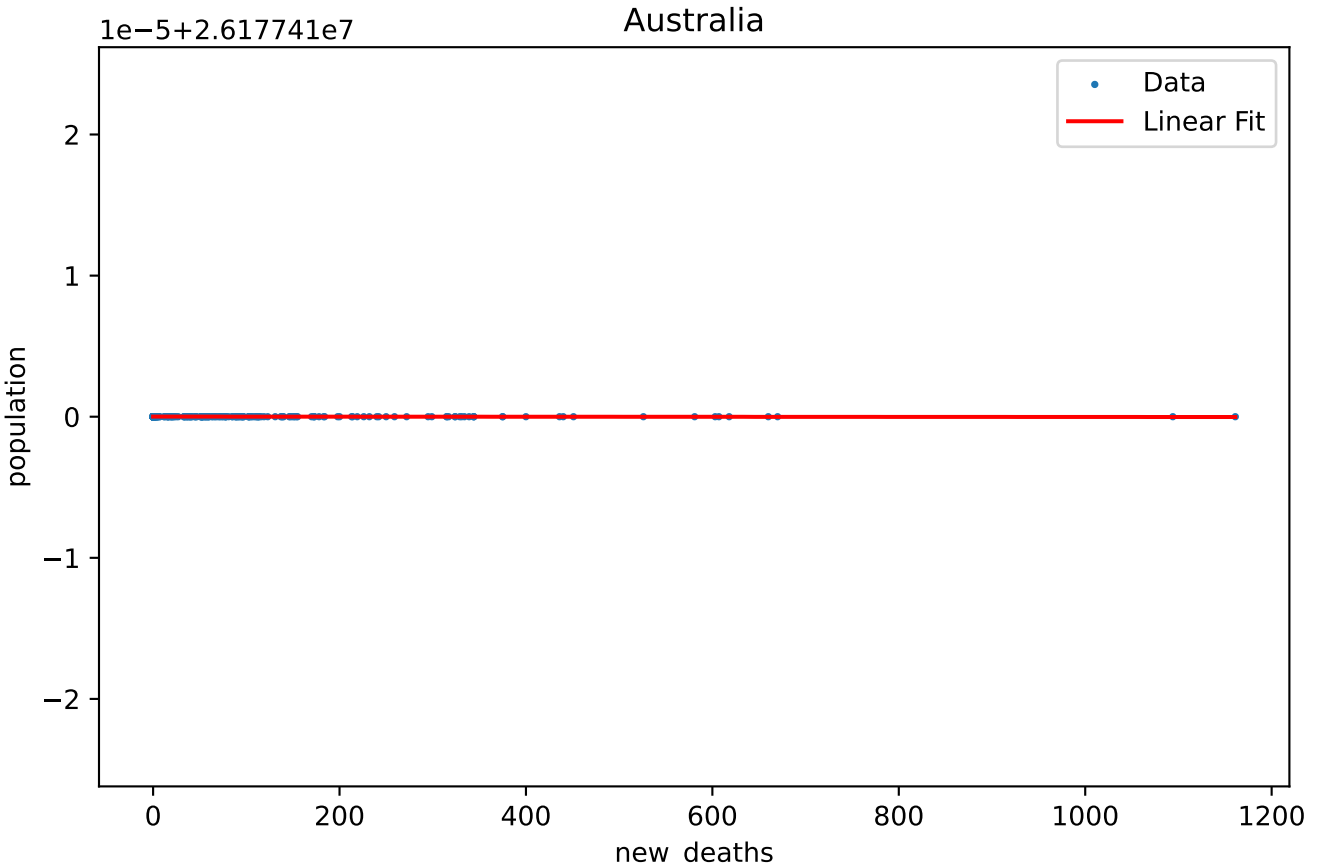

Italy
+5.9037472e7
Data
Linear Fit
0.00004
0.00002
0.00000
−0.00002
−0.00004
population
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases

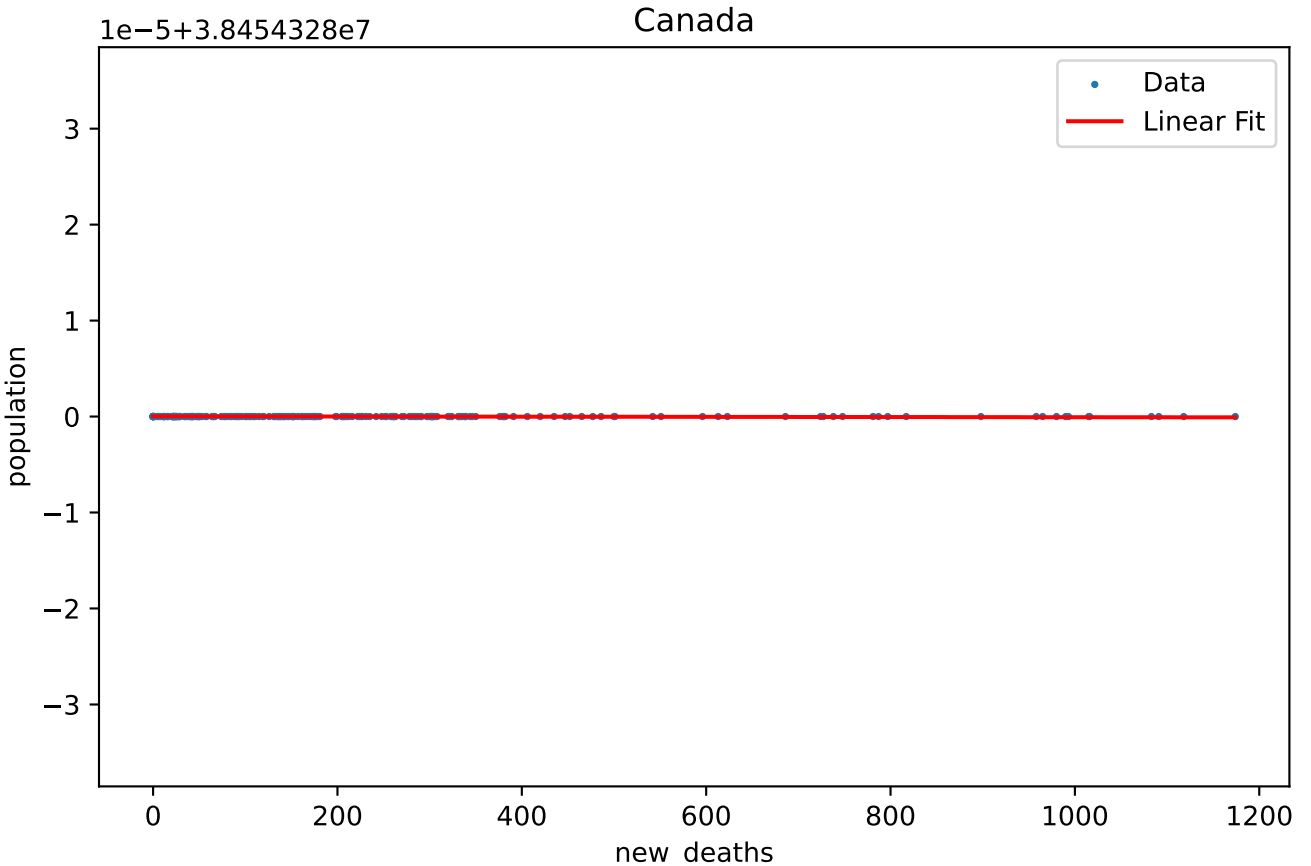

All Countries
1e7
6
5
4
3
2
1
population
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1e6
new_cases
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy

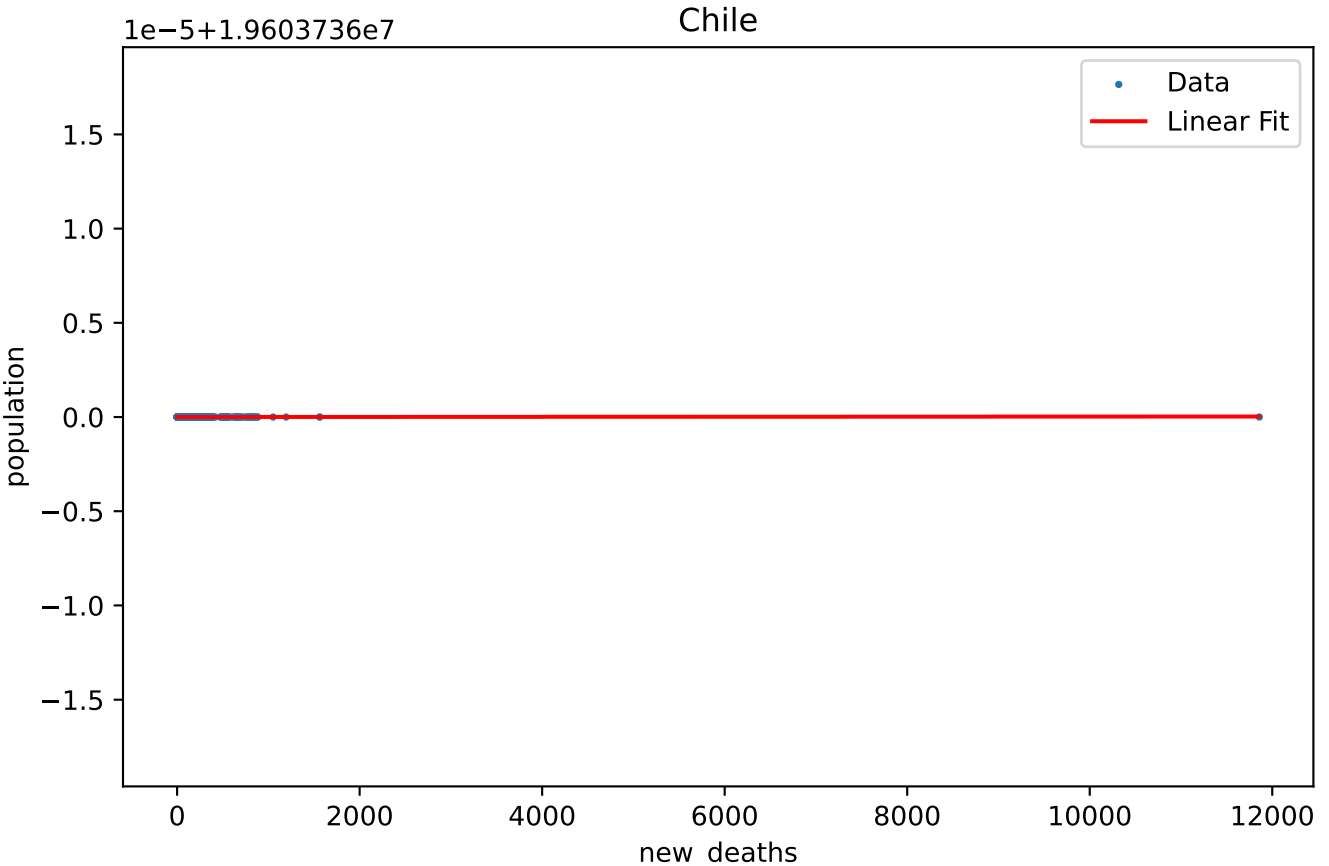

South Africa
1e7
6.3
6.2
6.1
6.0
5.9
5.8
5.7
population
0
500
1000
1500
2000
2500
3000
3500
4000
new_deaths
Data
Linear Fit

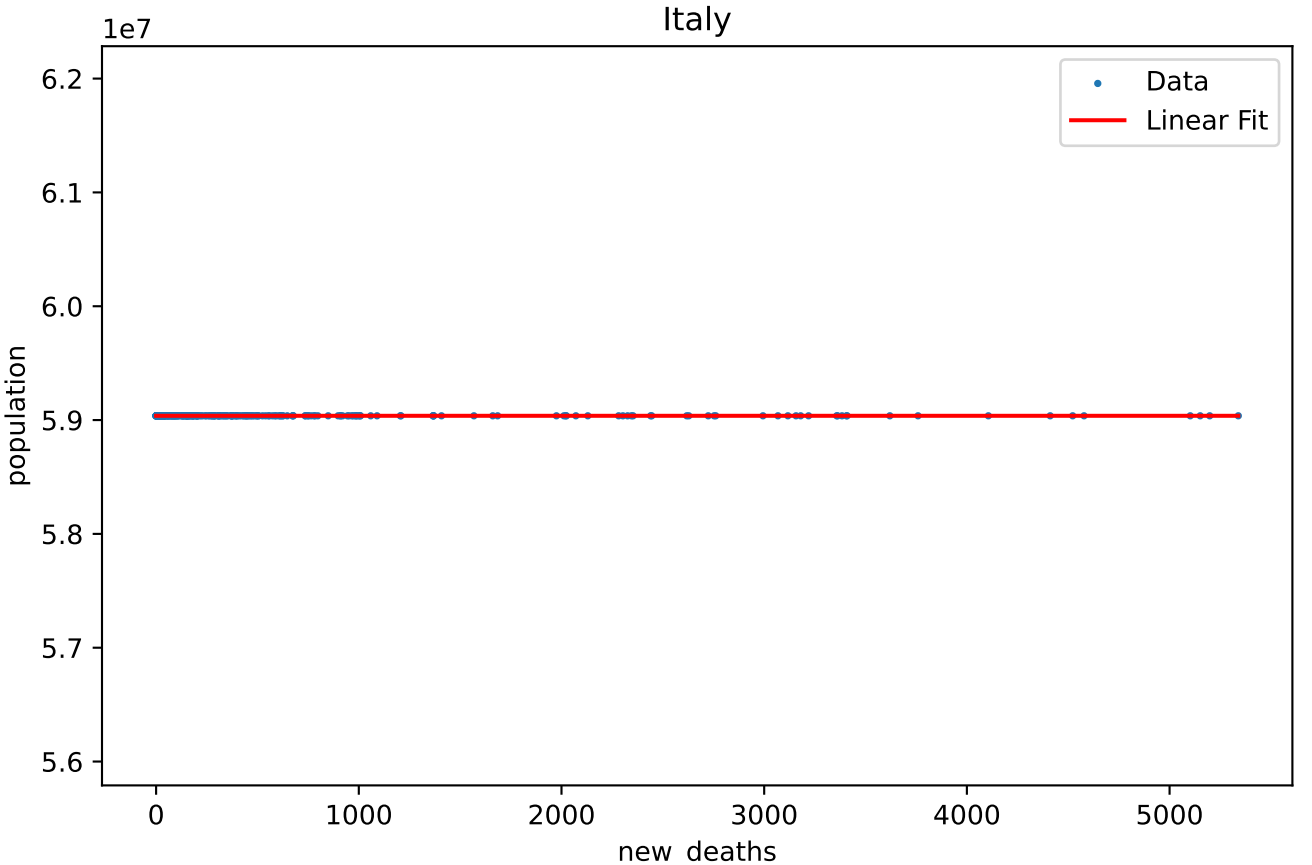

Malaysia
1e−5+3.3938216e7
Data
Linear Fit
population
new_deaths
3
2
1
0
−1
−2
−3
0
500
1000
1500
2000
2500

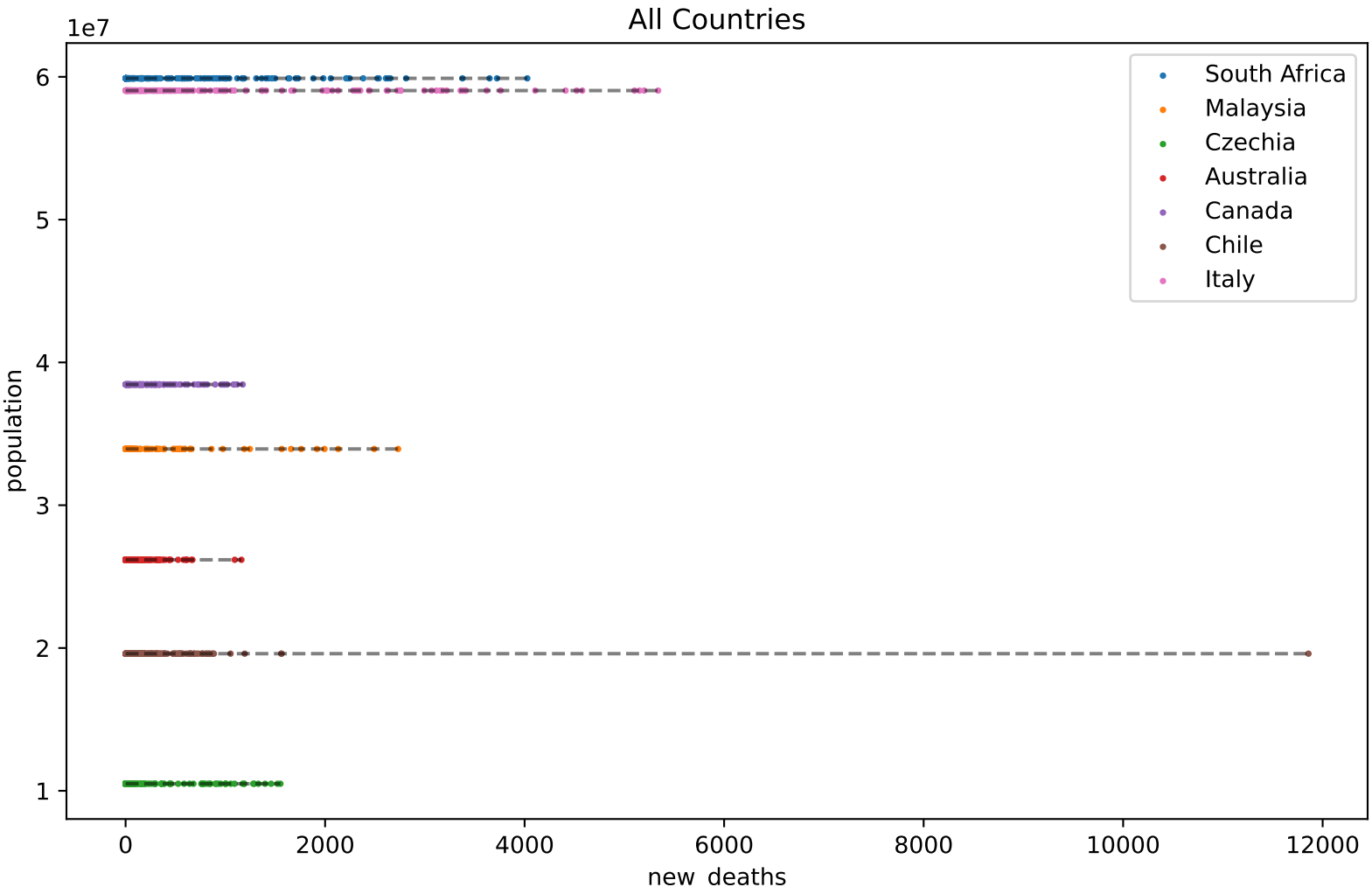

Czechia
1e7
1.10
1.08
1.06
1.04
1.02
1.00
population
0
200
400
600
800
1000
1200
1400
1600
new_deaths
Data
Linear Fit


Australia
1e−5+2.617741e7
Data
Linear Fit
population
new_deaths
2
1
0
−1
−2
0
200
400
600
800
1000
1200


Canada
1e−5+3.8454328e7
Data
Linear Fit
population
new_deaths
3
2
1
0
−1
−2
−3
0
200
400
600
800
1000
1200


Chile
1e−5+1.9603736e7
Data
Linear Fit
population
new_deaths
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
0
2000
4000
6000
8000
10000
12000


Italy
1e7
6.2
6.1
6.0
5.9
5.8
5.7
5.6
population
0
1000
2000
3000
4000
5000
new_deaths
Data
Linear Fit


All Countries
1e7
6
5
4
3
2
1
population
0
2000
4000
6000
8000
10000
12000
new_deaths
South Africa
Malaysia
Czechia
Australia
Canada
Chile
Italy