How Do We Know: A statistical analysis of epidemiological total death trends in 2020

By Joshua Williams

Introduction

Is there a way to confirm a pandemic that without trusting the number of reported deaths attributed to Covid-19? Instead of looking at the *stated causes* of deaths, Epidemiologists instead measure the *total* number of deaths In an epidemic, more people die than would otherwise in a usual year. However, if some entity fabricated the pandemic, we would expect no statistically different changes in the number of deaths in a given year.

Each subplot represents data over the same range of time, even though the y-axes are not scaled uniformly scaled. Because the total population, and consequently total deaths, can vary dramatically from state to state, I adjusted scales of the y-axes to elucidate the differences visually. Specifically, the y-axis limits contrast the differences between 2020 and the previous years.

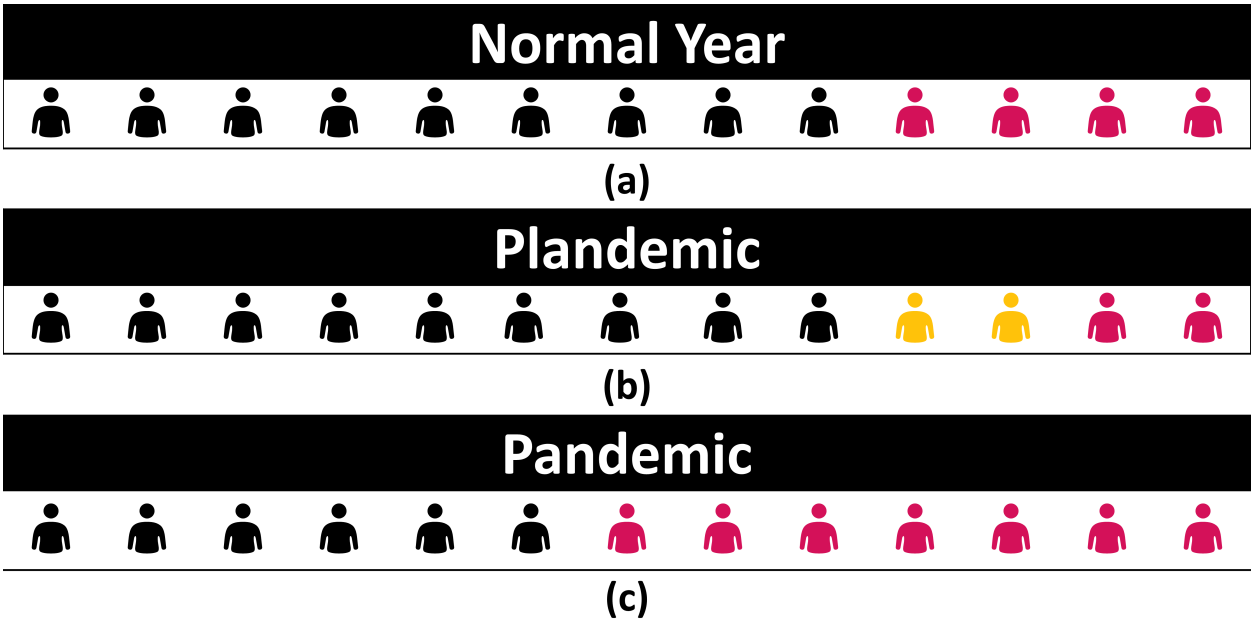
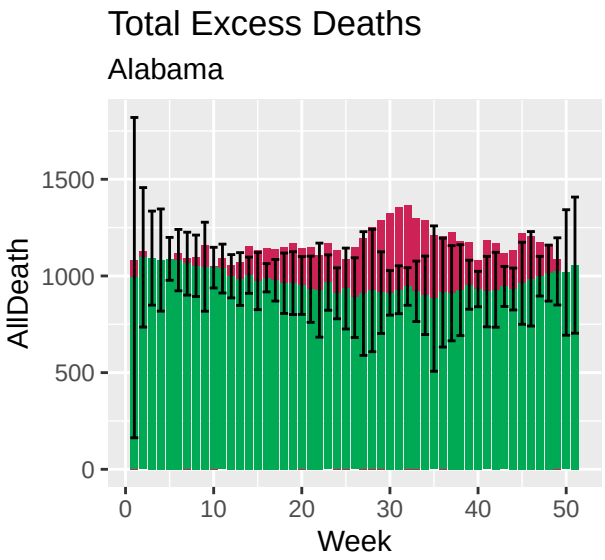
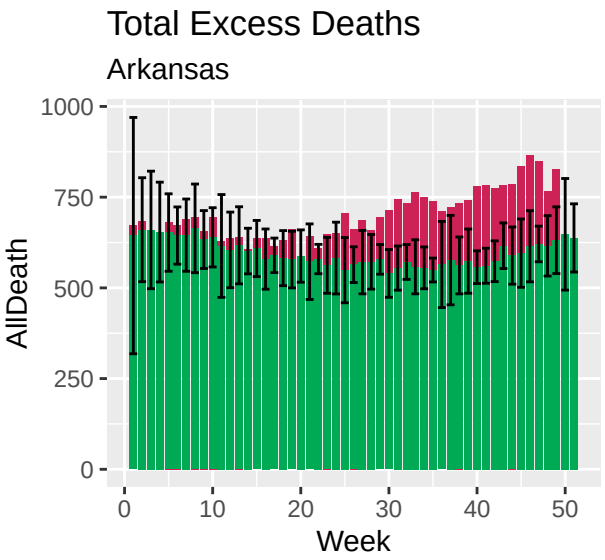
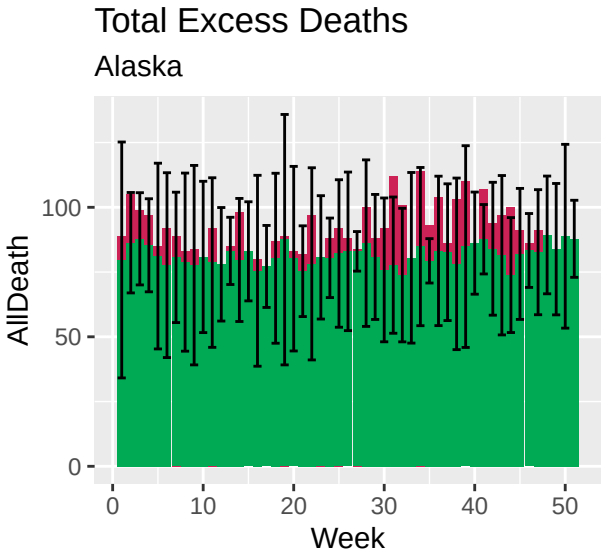


Figure 1: In a theoretical normal year (a), the number of people who die in a large nation should be fairly predictable. This follows from the law of large numbers In a theoretical plandemic, (b), we observe how total deaths would look. The same number of people should die, but some of them will be apportioned to deaths by a fake disease. In (c) we see how the total deaths in theoretical pandemic should appear is how total deaths look in a real pandemic. We expect more people to die during a pandemic, so we should see an increase in the total number of deaths.


Total Excess Deaths
Alabama
AllDeath
Week
0
500
1000
1500
0
10
20
30
40
50


Total Excess Deaths
Arkansas
AllDeath
Week
0
250
500
750
1000
0
10
20
30
40
50


Total Excess Deaths
Alaska
AllDeath
Week
0
50
100
0
10
20
30
40
50


Total Excess Deaths
California
AllDeath
Week
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2500
5000
7500
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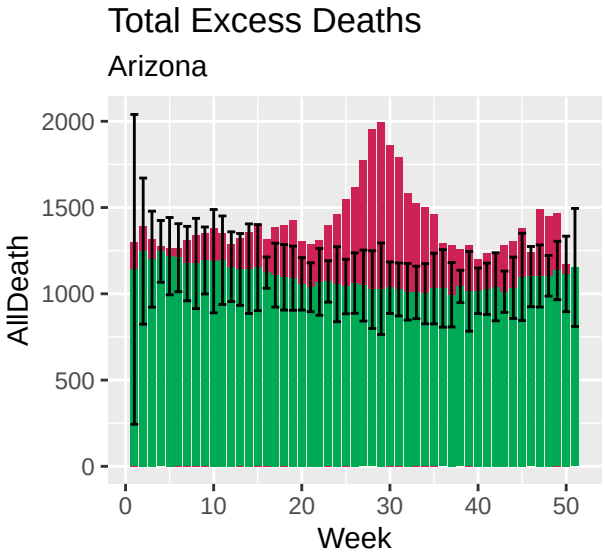
20
30
40
50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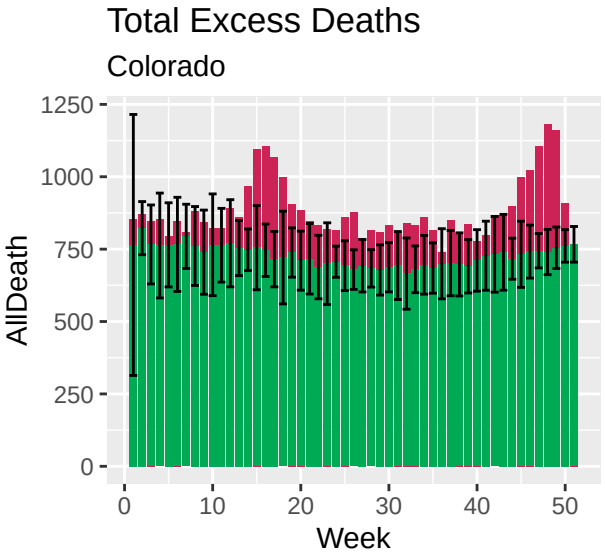
Arizona
AllDeath
Week
0
500
1000
1500
2000
0
10
20
30
40
50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Colorado
AllDeath
Week
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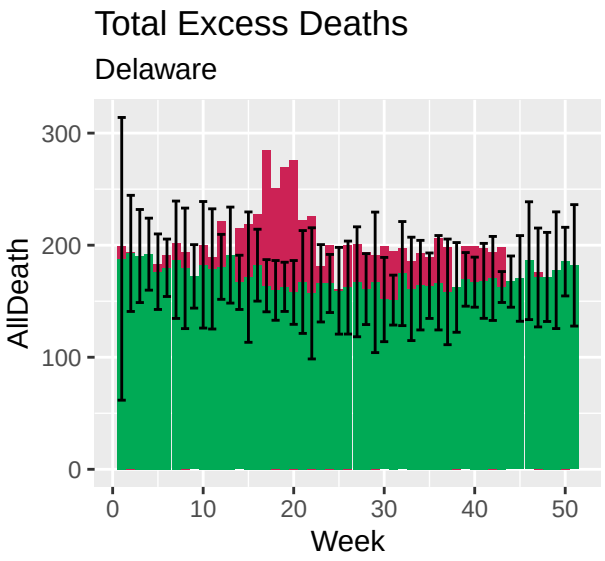
250
500
750
1000
1250
0
10
20
30
40
50


Total Excess Deaths
Connecticut
AllDeath
Week


Total Excess Deaths
Georgia
AllDeath
Week


Total Excess Deaths
Delaware
AllDeath
Week


Total Excess Deaths
Hawaii
AllDeath
Week


Total Excess Deaths
Florida
AllDeath
Week


Total Excess Deaths
Idaho
AllDeath
Week


Total Excess Deaths
Illinois
AllDeath
Week
0
1000
2000
3000
0
10
20
30
40
50

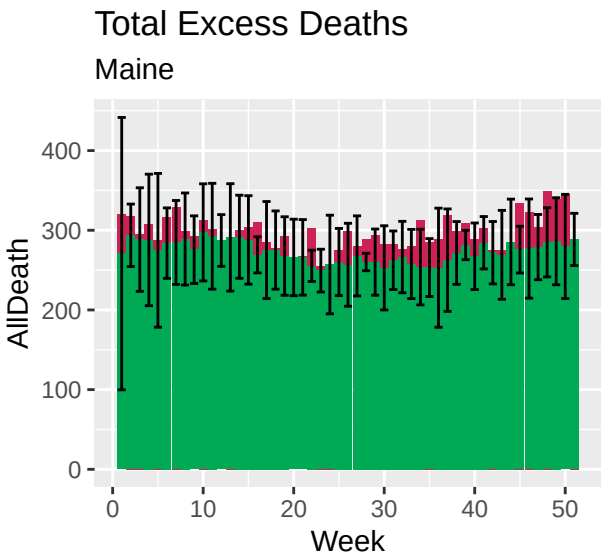

Total Excess Deaths
Kansas
AllDeath
Week
0
200
400
600
800
0
10
20
30
40
50


Total Excess Deaths
Indiana
AllDeath
Week
0
500
1000
1500
2000
0
10
20
30
40
50

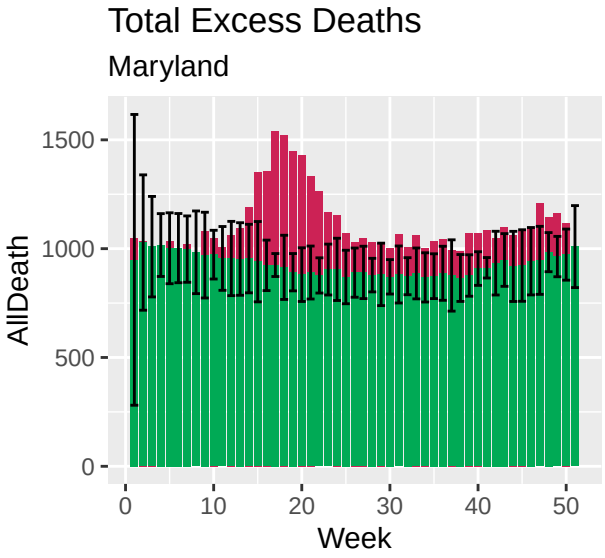

Total Excess Deaths
Kentucky
AllDeath
Week
0
500
1000
1500
0
10
20
30
40
50


Total Excess Deaths
Iowa
AllDeath
Week
0
250
500
750
1000
0
10
20
30
40
50


Total Excess Deaths
Louisiana
AllDeath
Week
0
500
1000
1500
0
10
20
30
40
50

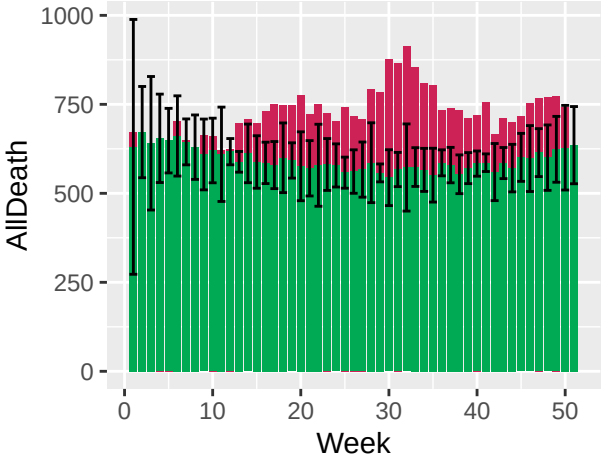

Total Excess Deaths
Maine
AllDeath
Week
0
100
200
300
400
0
10
20
30
40
50

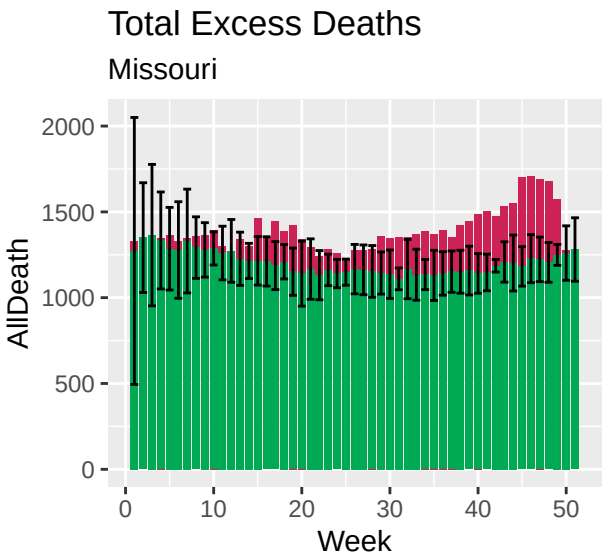

Total Excess Deaths
Michigan
AllDeath
Week
0
1000
2000
3000
0
10
20
30
40
50


Total Excess Deaths
Maryland
AllDeath
Week
0
500
1000
1500
0
10
20
30
40
50

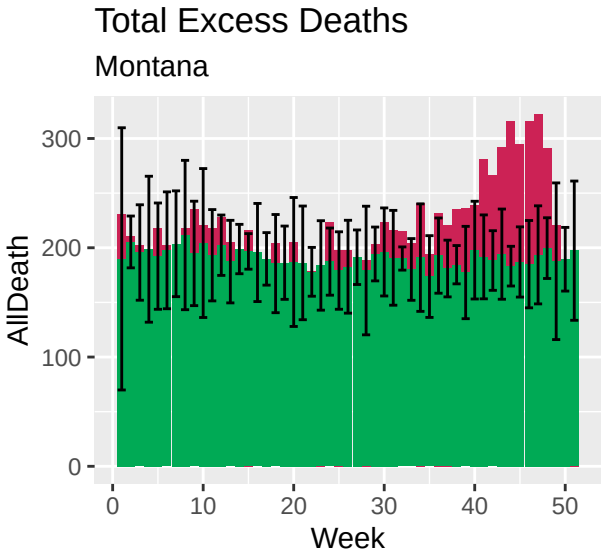

Total Excess Deaths
Minnesota
AllDeath
Week
0
500
1000
0
10
20
30
40
50


Total Excess Deaths
Massachusetts
AllDeath
Week
0
500
1000
1500
2000
2500
0
10
20
30
40
50

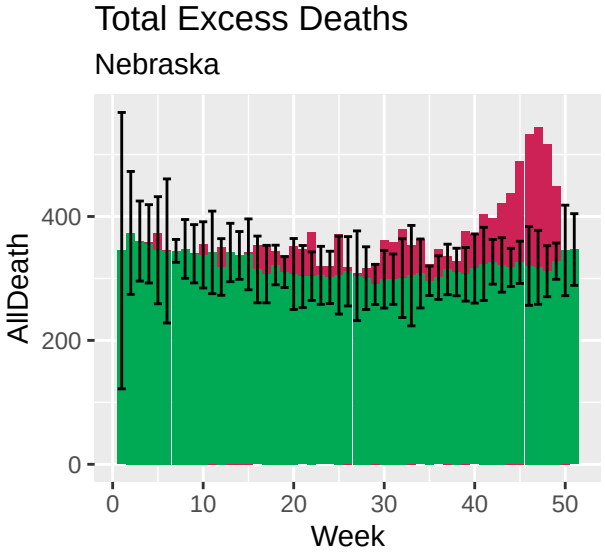

Total Excess Deaths
Mississippi
AllDeath
Week
0
250
500
750
1000
0
10
20
30
40
50


Total Excess Deaths
Missouri
AllDeath
Week
0
500
1000
1500
2000
0
10
20
30
40
50

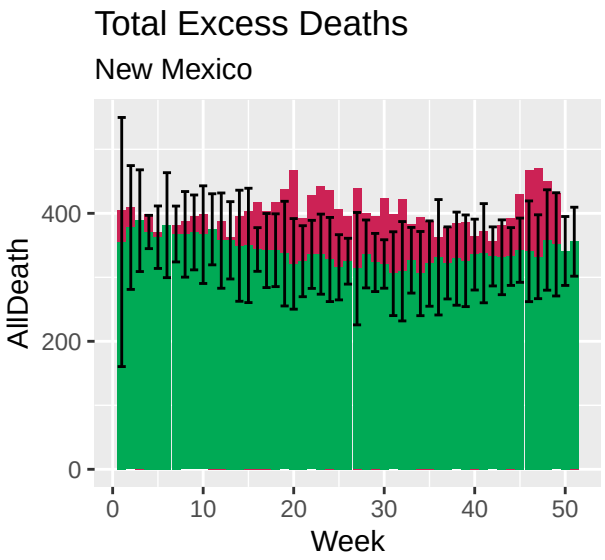

Total Excess Deaths
Nevada
AllDeath
Week
0
200
400
600
800
0
10
20
30
40
50

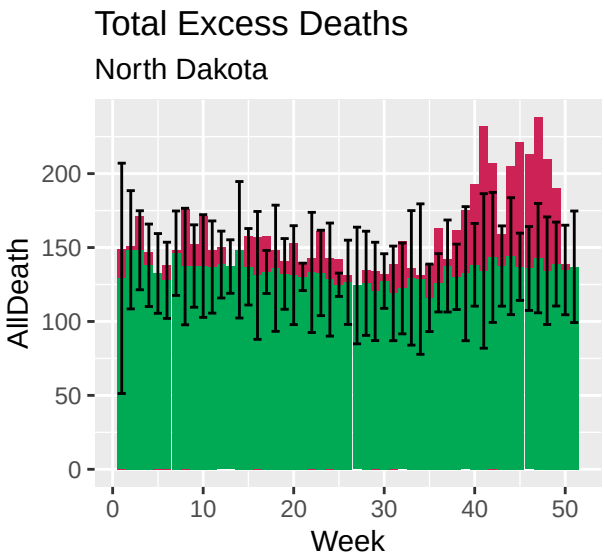

Total Excess Deaths
Montana
AllDeath
Week
0
100
200
300
0
10
20
30
40
50


Total Excess Deaths
New Hampshire
AllDeath
Week
0
100
200
300
0
10
20
30
40
50


Total Excess Deaths
Nebraska
AllDeath
Week
0
200
400
0
10
20
30
40
50

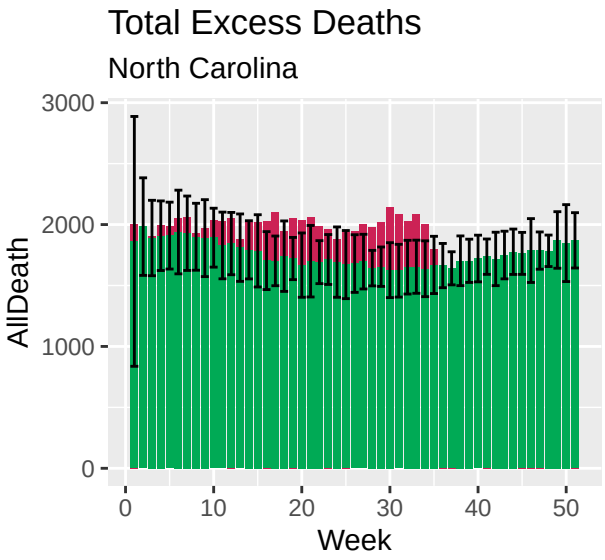

Total Excess Deaths
New Jersey
AllDeath
Week
0
1000
2000
3000
4000
5000
0
10
20
30
40
50


Total Excess Deaths
New Mexico
AllDeath
Week
0
200
400
0
10
20
30
40
50

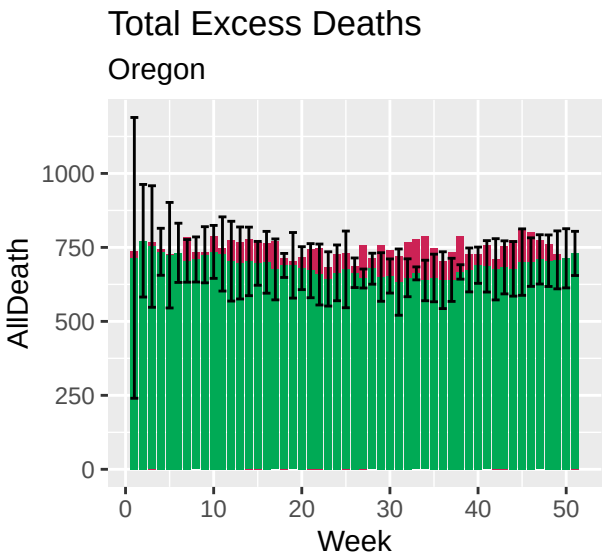

Total Excess Deaths
North Dakota
AllDeath
Week
0
50
100
150
200
0
10
20
30
40
50

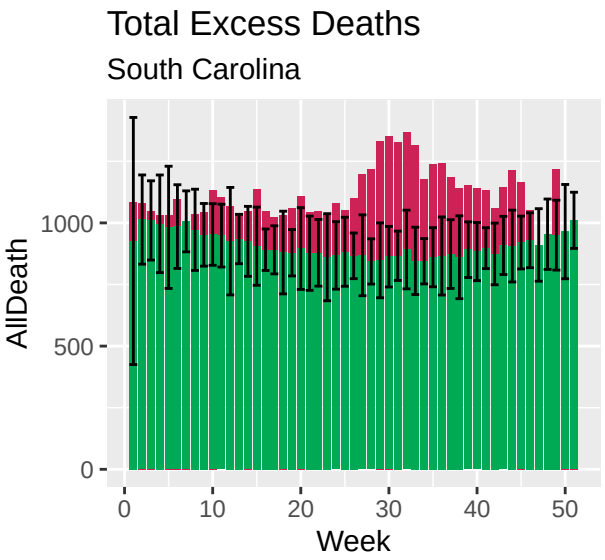

Total Excess Deaths
New York
AllDeath
Week
0
1000
2000
3000
4000
0
10
20
30
40
50


Total Excess Deaths
Ohio
AllDeath
Week
0
1000
2000
3000
4000
0
10
20
30
40
50

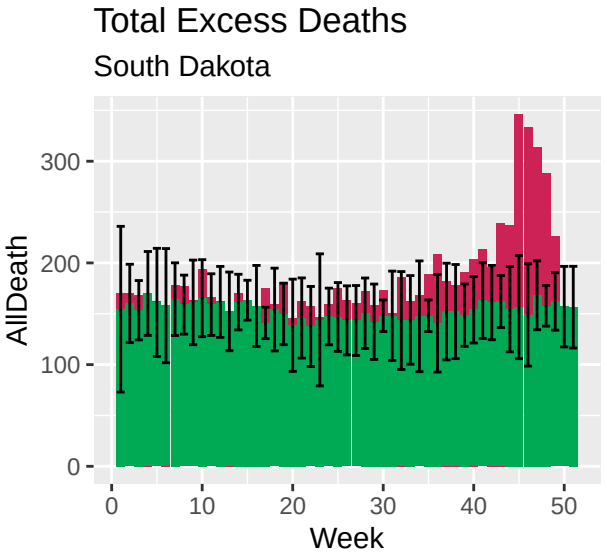

Total Excess Deaths
North Carolina
AllDeath
Week
0
1000
2000
3000
0
10
20
30
40
50


Total Excess Deaths
Oklahoma
AllDeath
Week
0
400
800
1200
0
10
20
30
40
50


Total Excess Deaths
Oregon
AllDeath
Week
0
250
500
750
1000
0
10
20
30
40
50


Total Excess Deaths
South Carolina
AllDeath
Week
0
500
1000
0
10
20
30
40
50

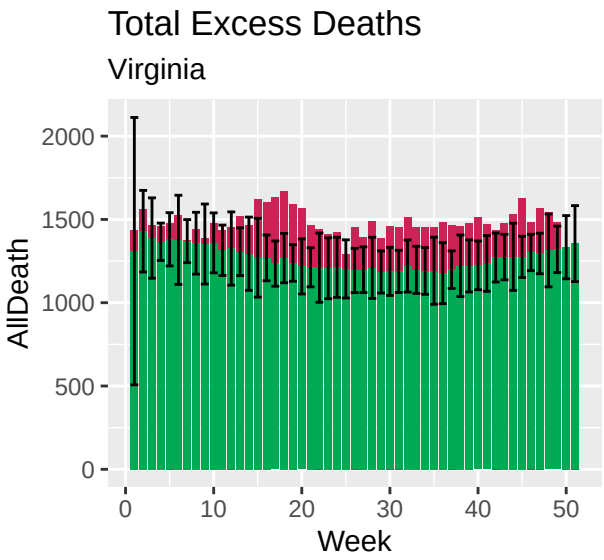

Total Excess Deaths
Pennsylvania
AllDeath
Week
0
1000
2000
3000
4000
0
10
20
30
40
50


Total Excess Deaths
South Dakota
AllDeath
Week
0
100
200
300
0
10
20
30
40
50

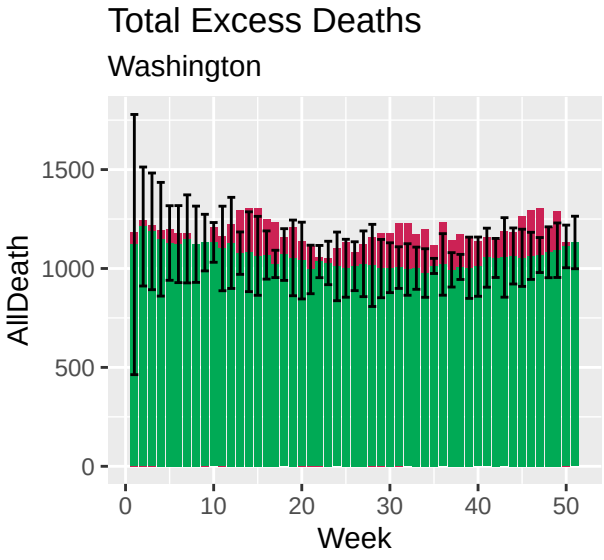

Total Excess Deaths
Rhode Island
AllDeath
Week
0
100
200
300
400
0
10
20
30
40
50


Total Excess Deaths
Tennessee
AllDeath
Week
0
500
1000
1500
2000
0
10
20
30
40
50


Total Excess Deaths
Texas
AllDeath
6000
4000
2000
0
0
10
20
30
40
50
Week


Total Excess Deaths
Virginia
AllDeath
2000
1500
1000
500
0
0
10
20
30
40
50
Week


Total Excess Deaths
Utah
AllDeath
600
400
200
0
0
10
20
30
40
50
Week


Total Excess Deaths
Washington
AllDeath
1500
1000
500
0
0
10
20
30
40
50
Week


Total Excess Deaths
Vermont
AllDeath
150
100
50
0
0
10
20
30
40
50
Week


Total Excess Deaths
West Virginia
AllDeath
600
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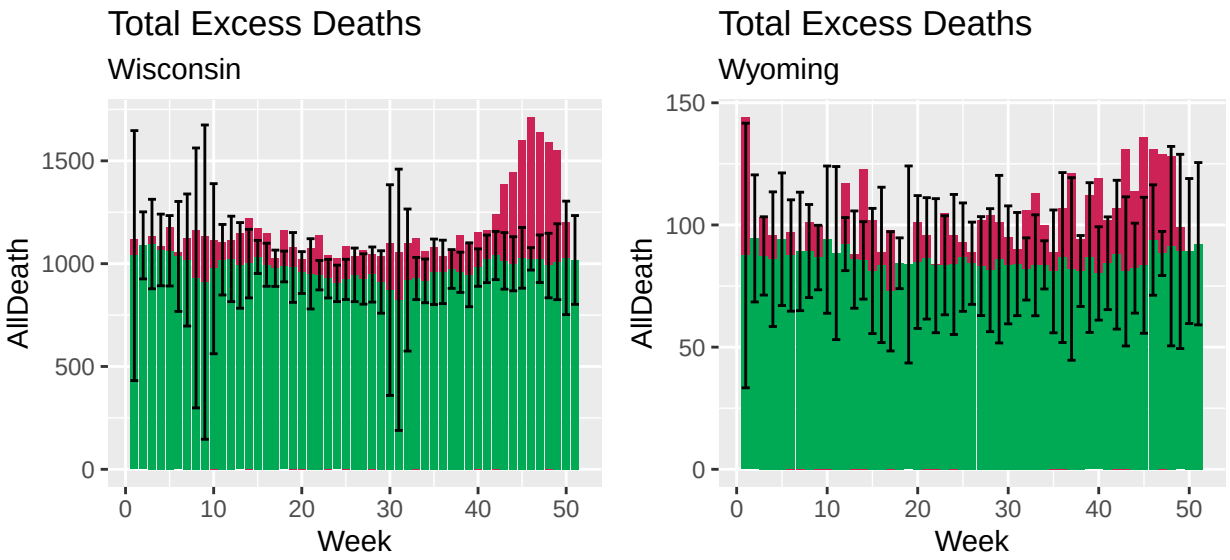
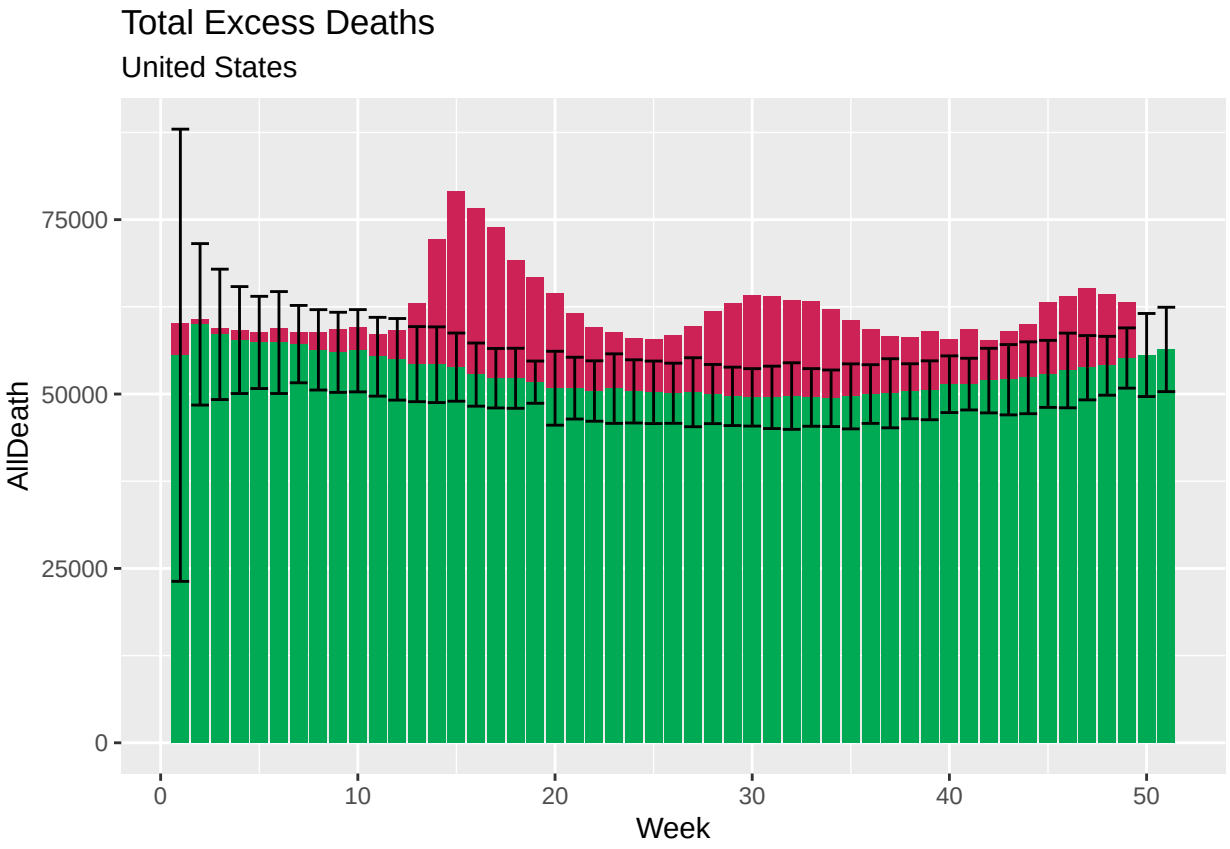
200
0
0
10
20
30
40
50
Week





Errata: North Carolina

I asked my statistics professor about the curious case of North Carolina. He noted that, unlike all other subplots, the y-axis includes negative numbers. Since it is not possible to have negative deaths, we knew that something must be wrong with either the code or the data. Upon further analysis, it seemed that the CDC data from which the plots came did not have complete data.

Conclusion

Since we saw an increase in the total number of deaths, to continue denying the existence of a pandemic, one must redefine her rationale for the belief in a falsified pandemic. They must now believe that **(1)** there is a way to falsify death certificates to fake the total number of deaths recorded at county, state, and federal levels, or **(2)** there is some other cause to explain the number of deaths, ideally in such a way that explains the correlation between total excess deaths and the deaths attributed to COVID-19.