quick-analysis by state and WA county

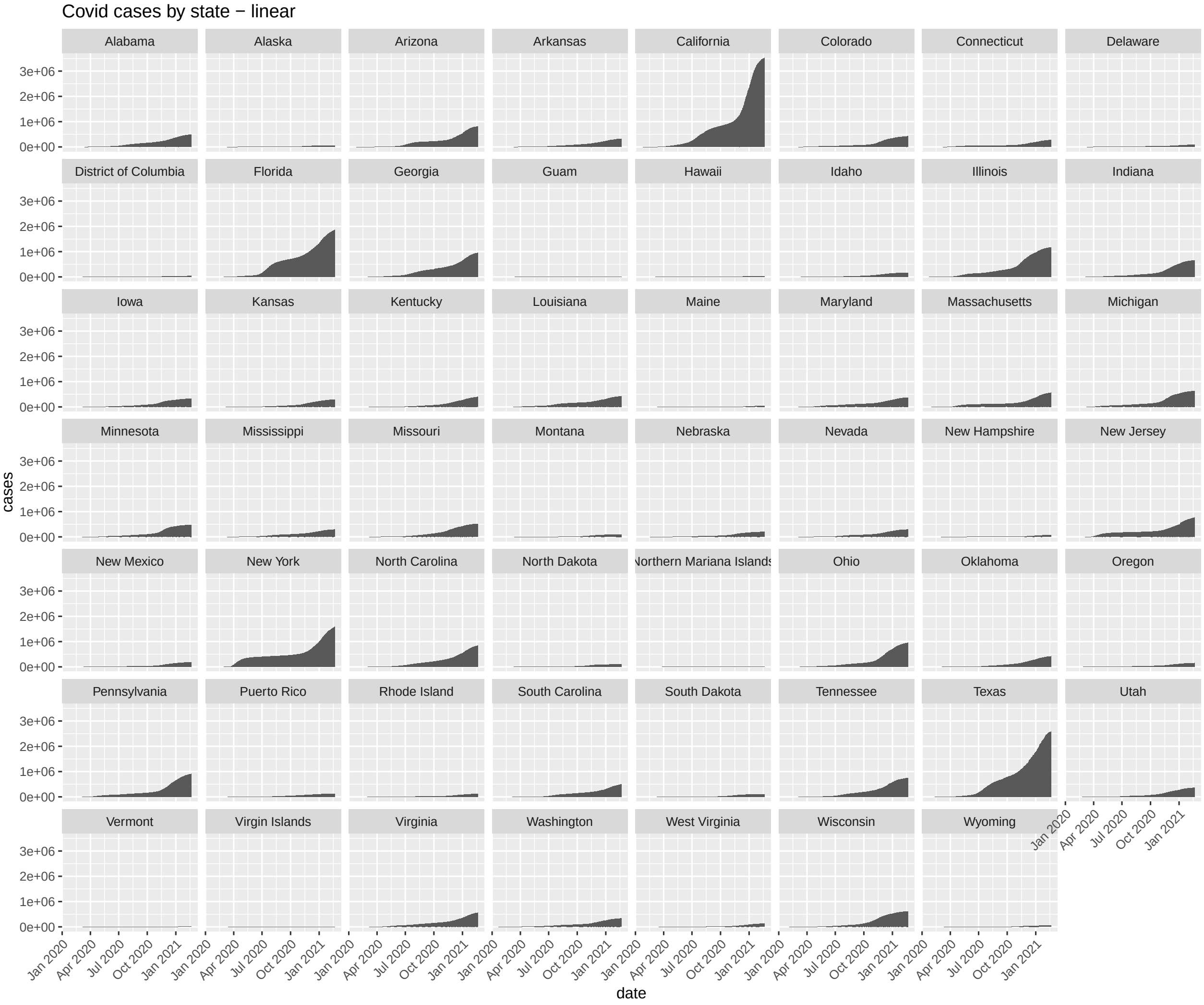
A quick visualization of the published NYT data on US Covid-19 cases by state. Source data may be found here: https://github.com/nytimes/covid-19-data

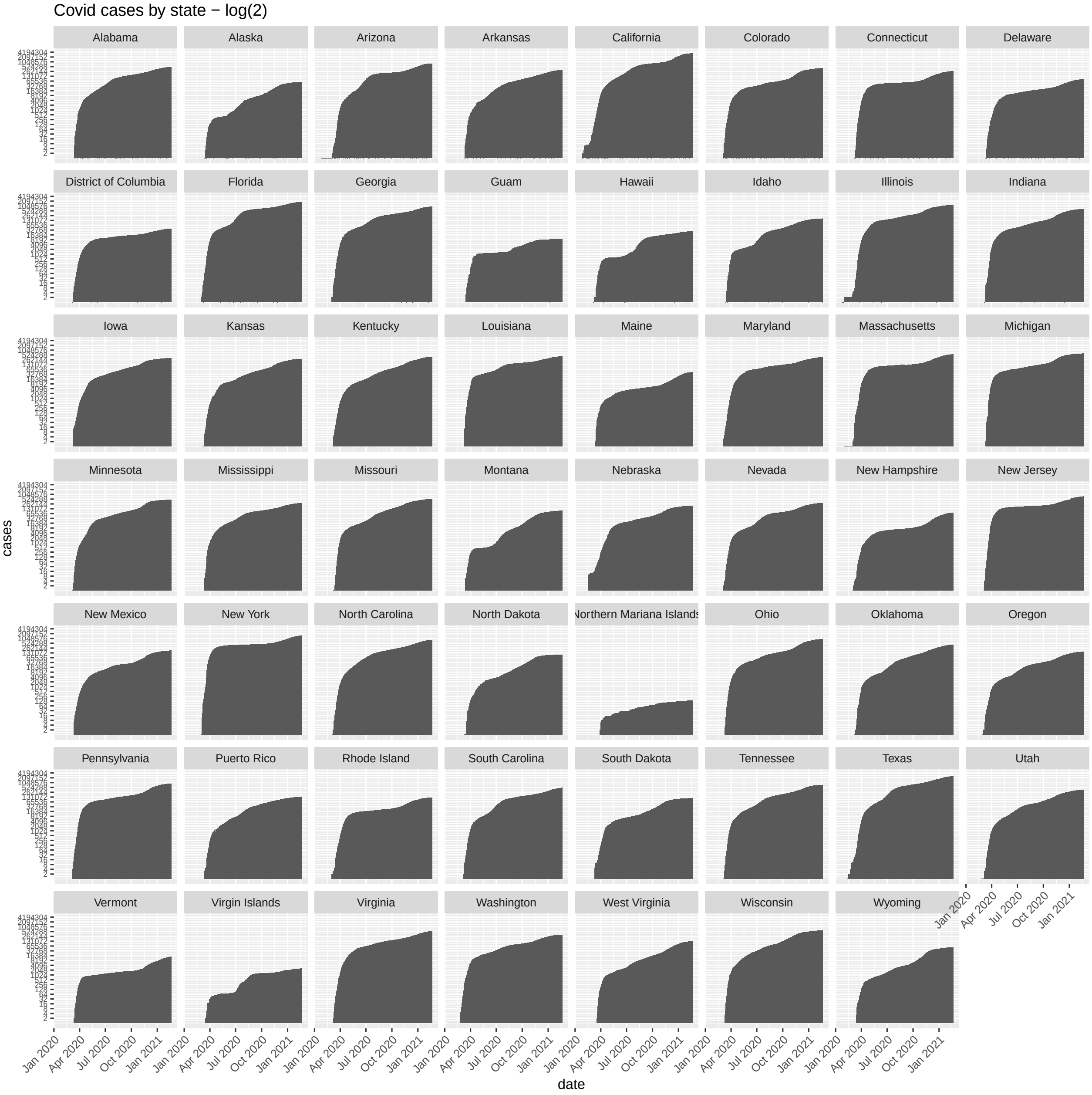
There are two types of graphs here currently:

- Linear - this is just an absolute count reported by date
- log(2) - this is a log(2) graph of count by date, intended to help display the doubling trend

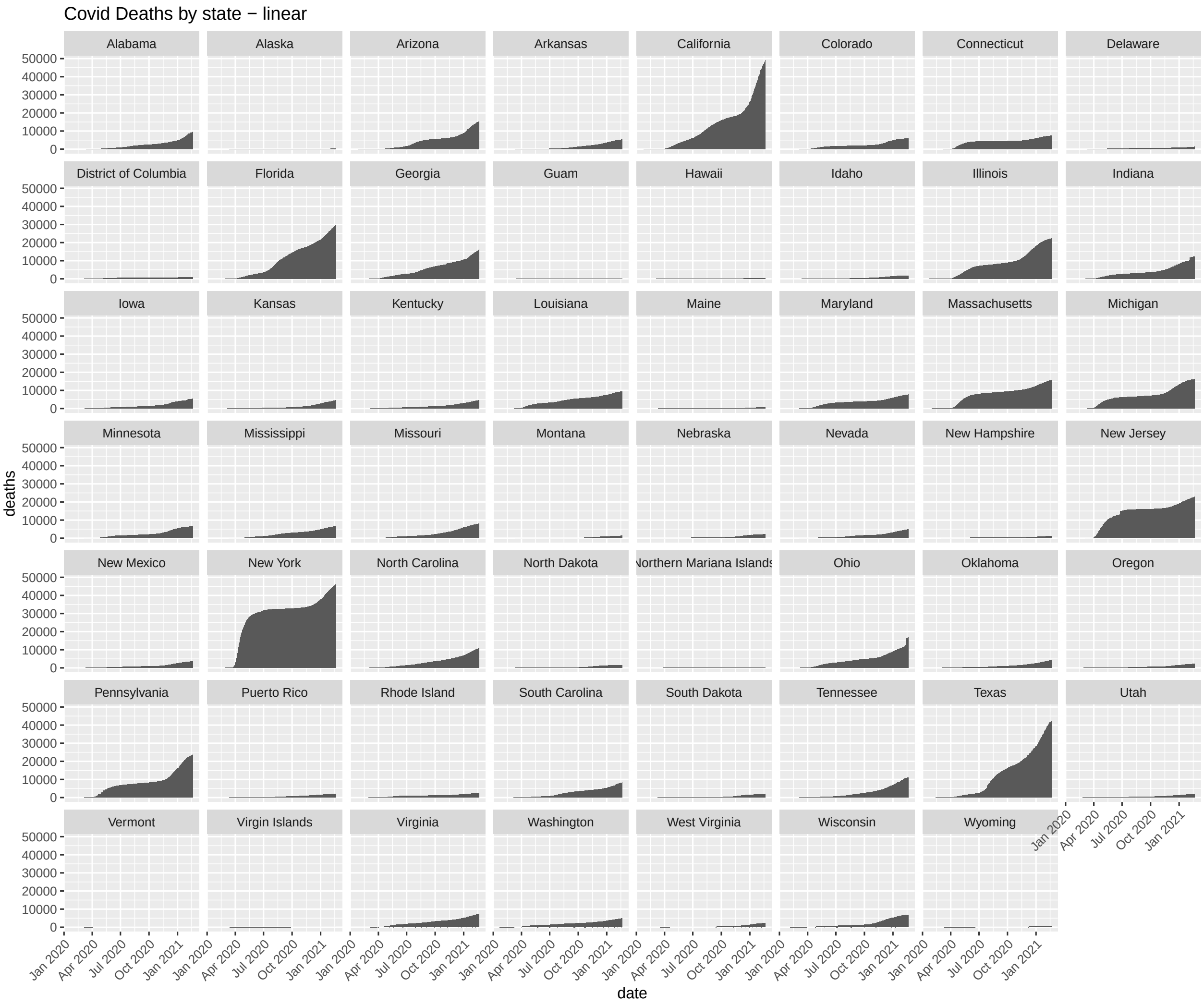
Note that this data is historical, not predictive. It’s intended to help illustrate what has happened so far.

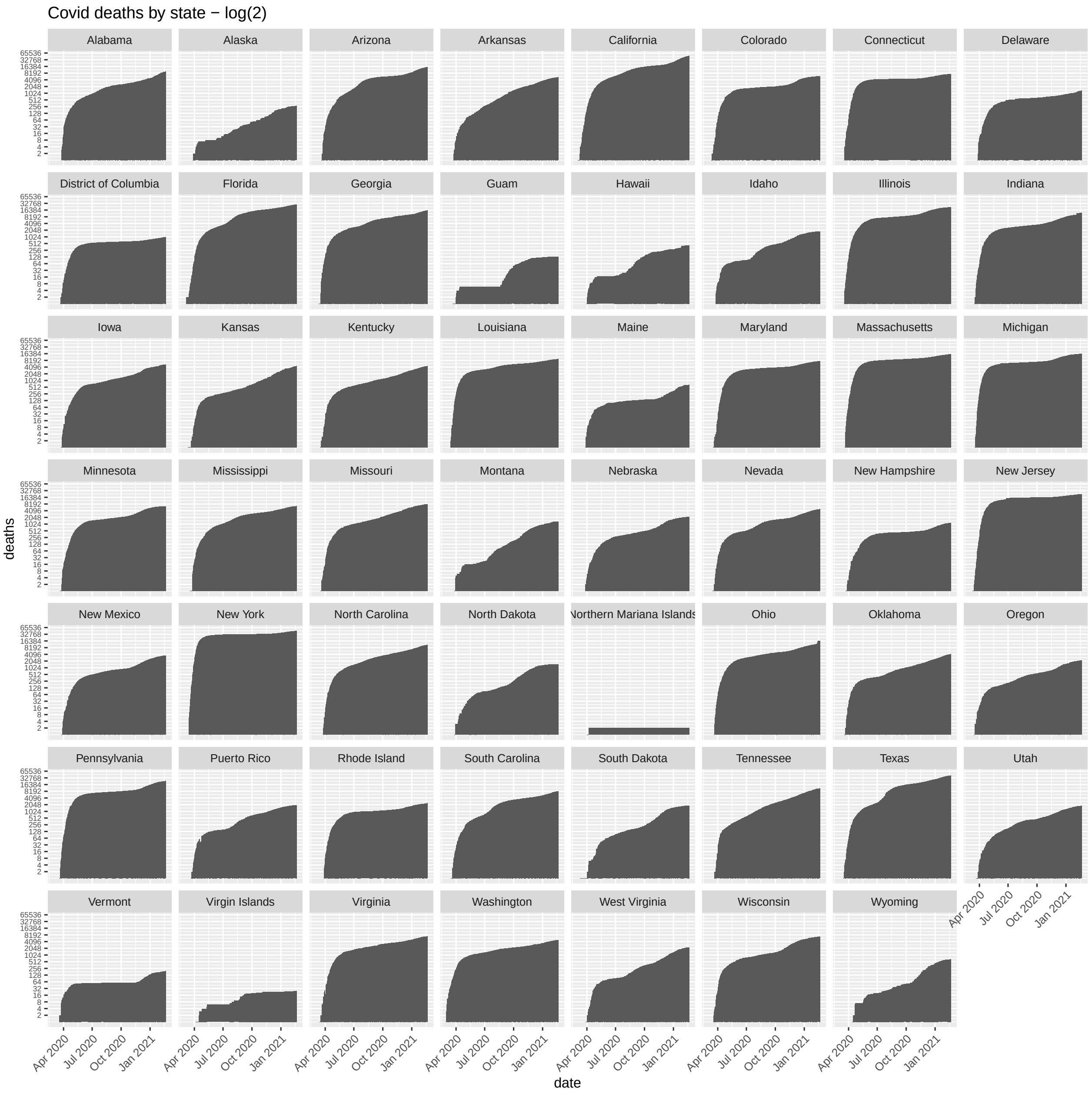
US Data - Cases



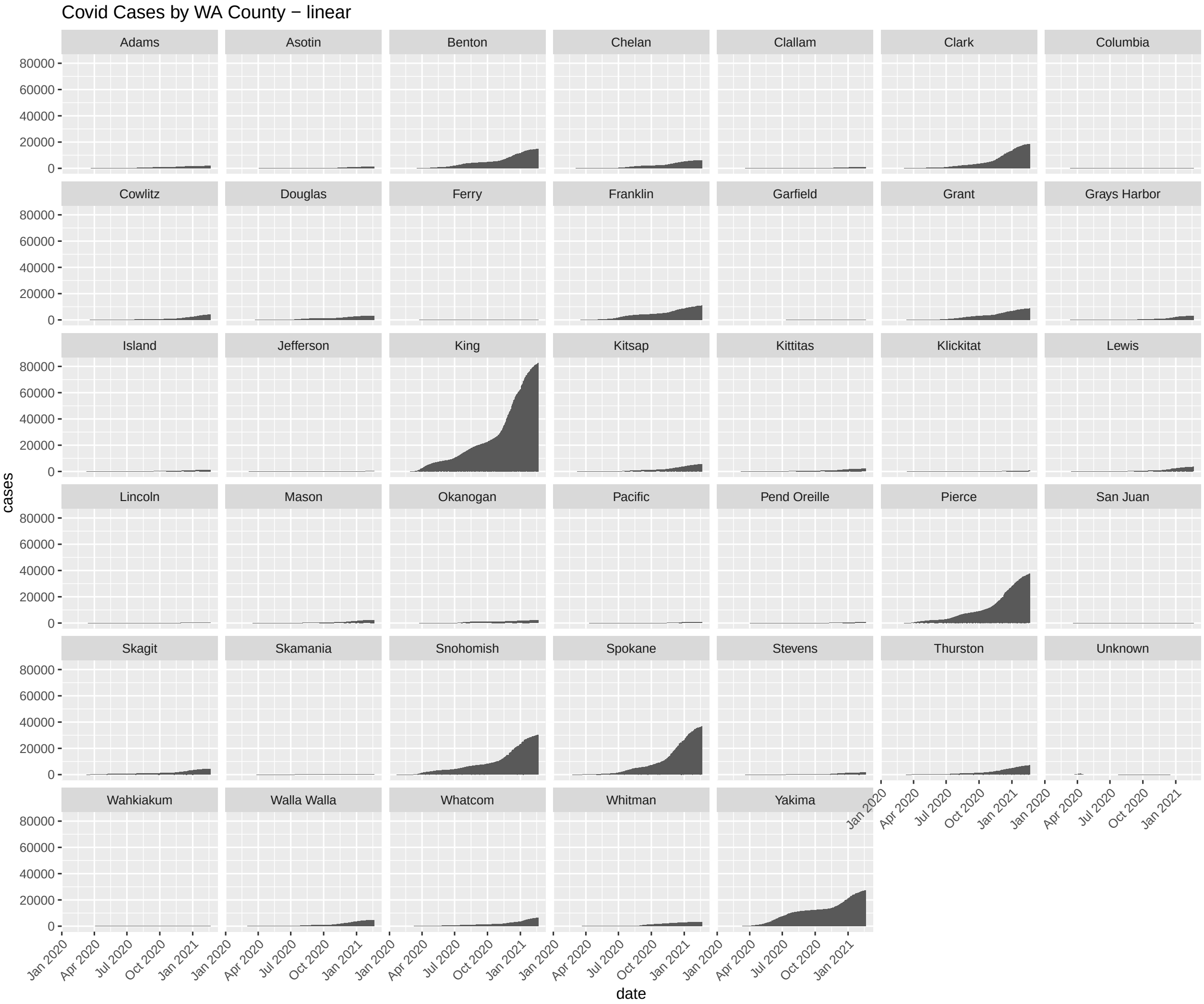

Covid cases by state − log(2)
Alabama
Alaska
Arizona
Arkansas
California
Colorado
Connecticut
Delaware
District of Columbia
Florida
Georgia
Guam
Hawaii
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Northern Mariana Islands
Ohio
Oklahoma
Oregon
Pennsylvania
Puerto Rico
Rhode Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virgin Islands
Virginia
Washington
West Virginia
Wisconsin
Wyoming
cases
4194304
2097152
1048576
524288
262144
131072
65536
32768
16384
8192
4096
2048
1024
512
256
128
64
32
16
8
4
2
Jan 2020
Apr 2020
Jul 2020
Oct 2020
Jan 2021
date

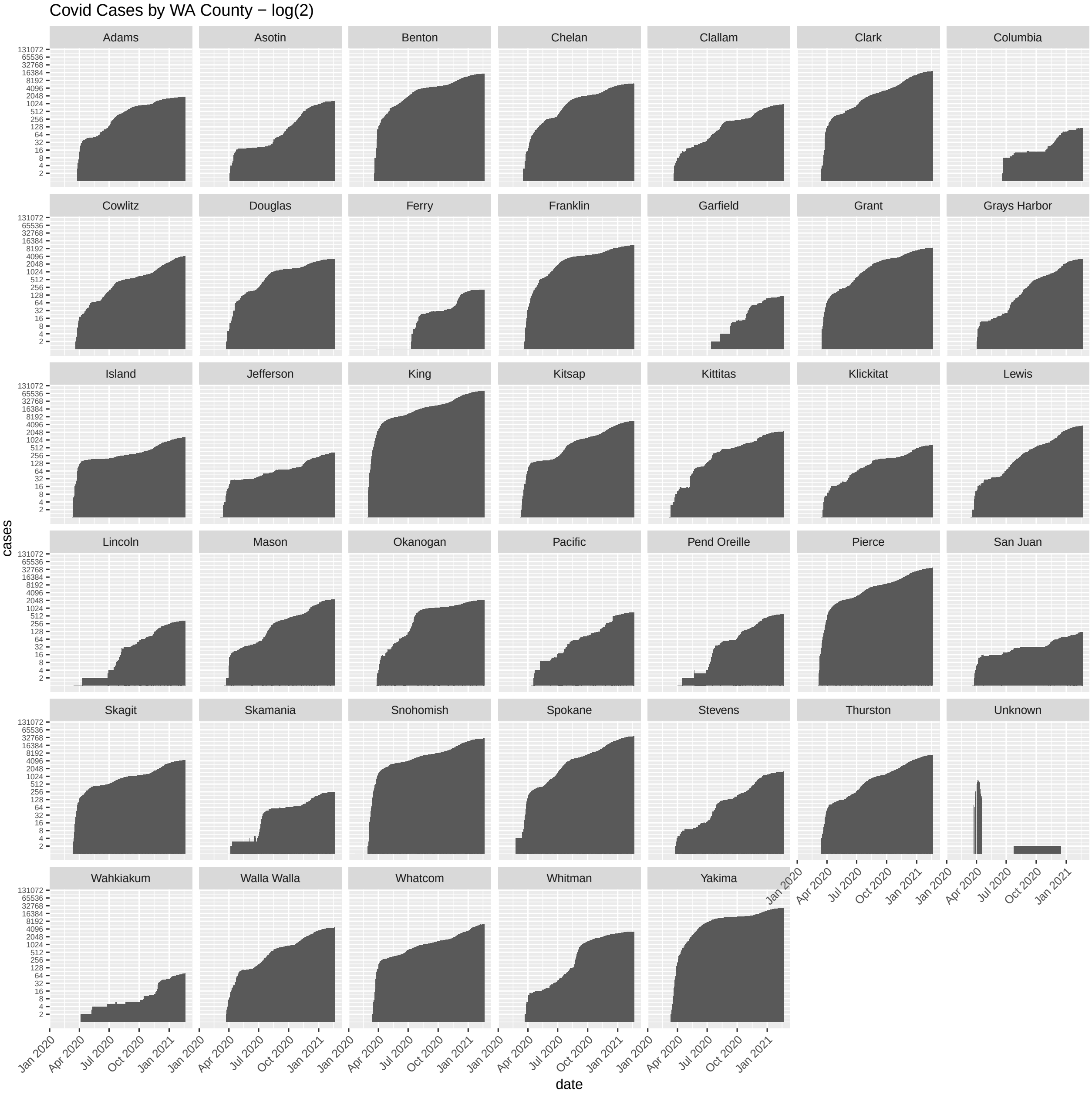
US Data - Deaths



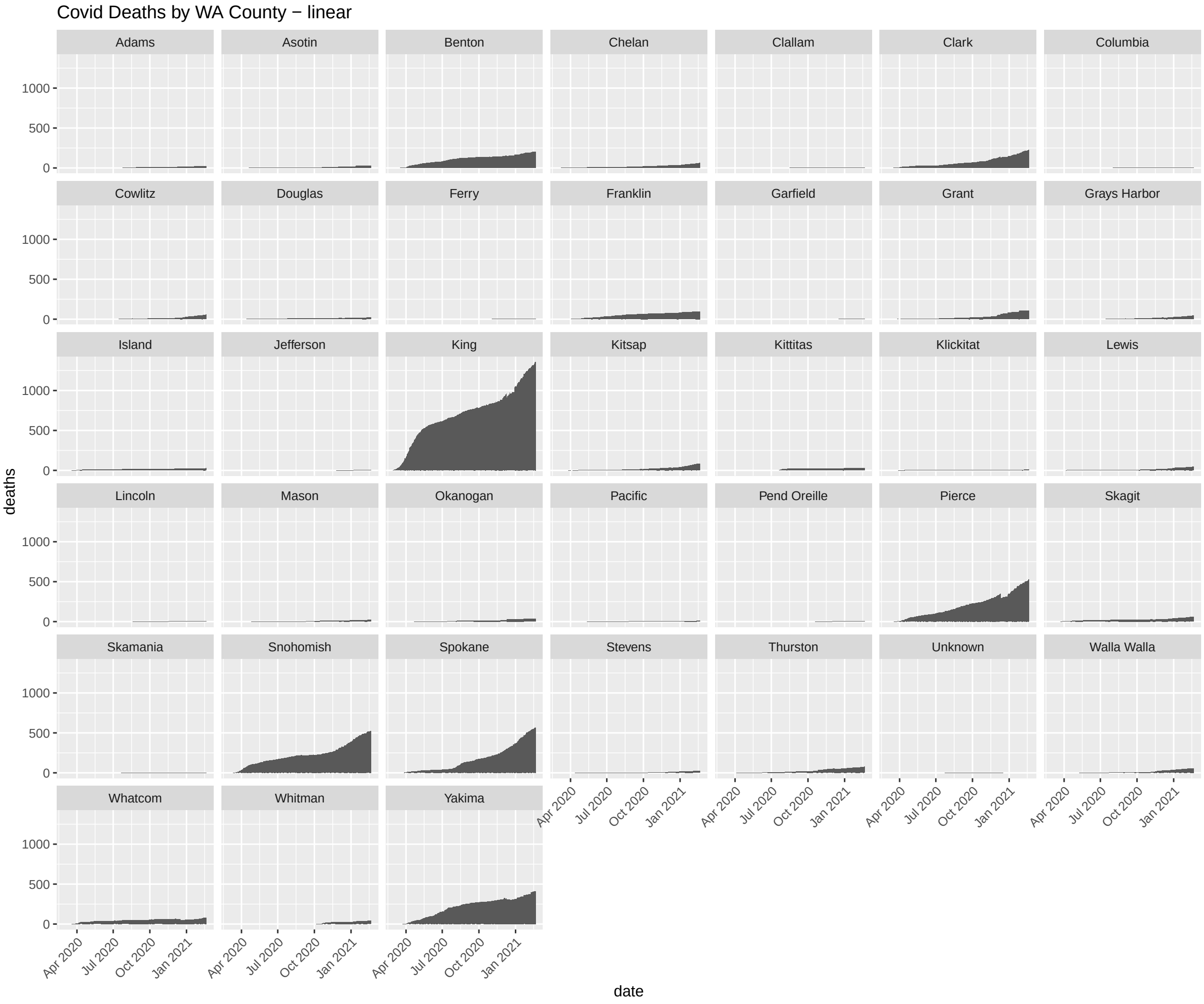

Covid deaths by state − log(2)
Alabama
Alaska
Arizona
Arkansas
California
Colorado
Connecticut
Delaware
District of Columbia
Florida
Georgia
Guam
Hawaii
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Northern Mariana Islands
Ohio
Oklahoma
Oregon
Pennsylvania
Puerto Rico
Rhode Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virgin Islands
Virginia
Washington
West Virginia
Wisconsin
Wyoming
65536
32768
16384
8192
4096
2048
1024
512
256
128
64
32
16
8
4
2
deaths
Apr 2020
Jul 2020
Oct 2020
Jan 2021
date

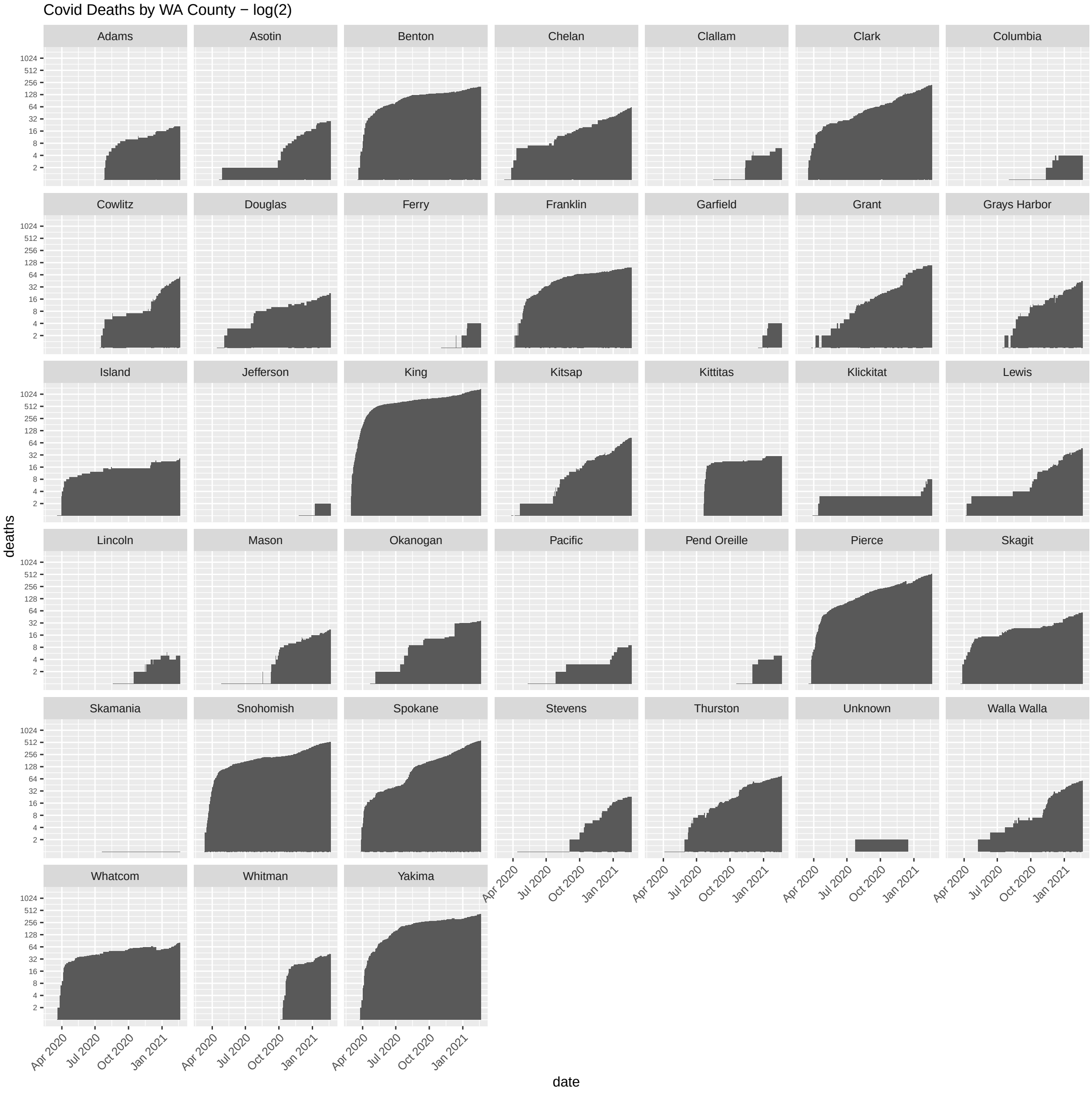
Washington Counties - Cases



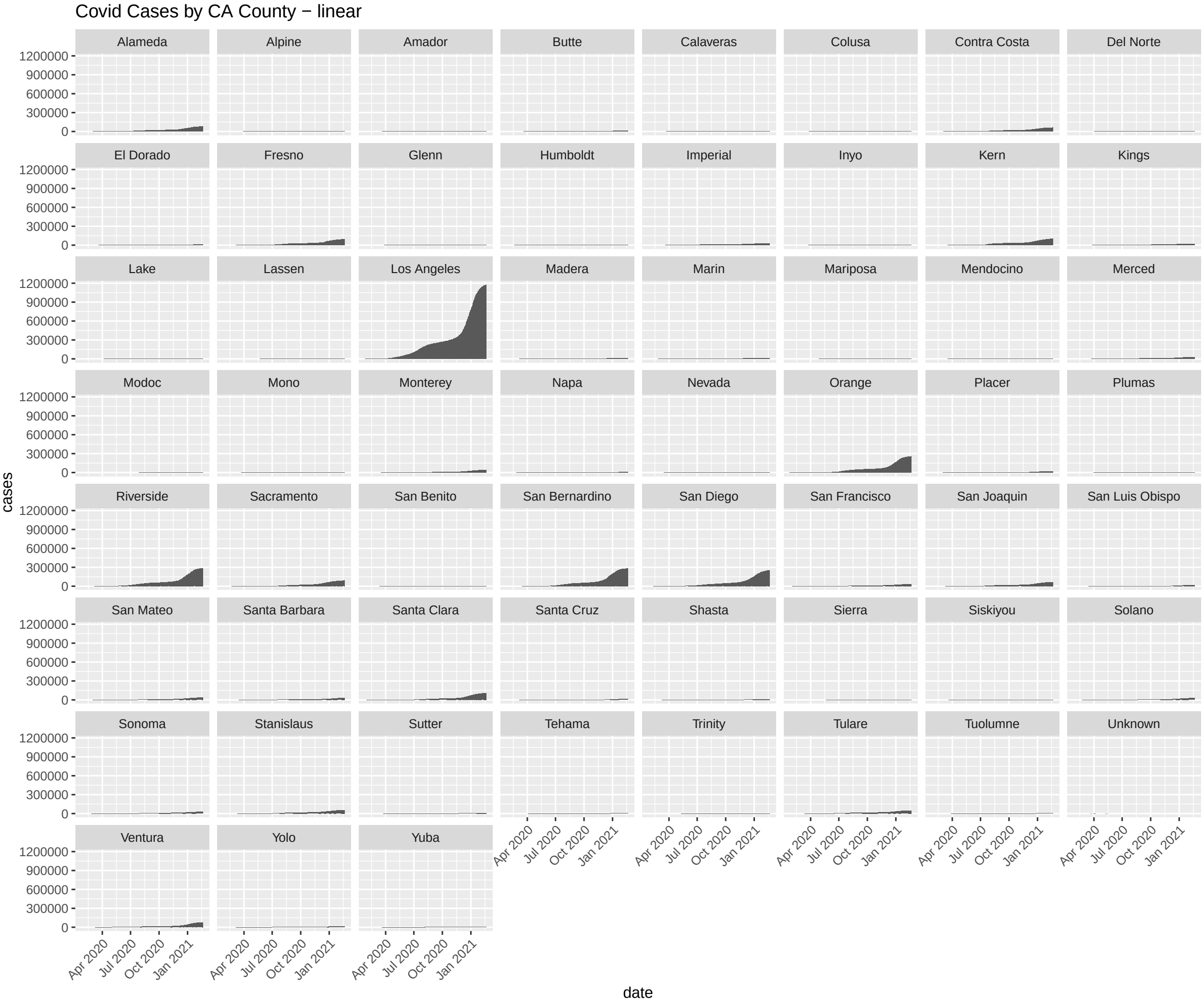

Covid Cases by WA County − log(2)
Adams
Asotin
Benton
Chelan
Clallam
Clark
Columbia
Cowlitz
Douglas
Ferry
Franklin
Garfield
Grant
Grays Harbor
Island
Jefferson
King
Kitsap
Kittitas
Klickitat
Lewis
Lincoln
Mason
Okanogan
Pacific
Pend Oreille
Pierce
San Juan
Skagit
Skamania
Snohomish
Spokane
Stevens
Thurston
Unknown
Wahkiakum
Walla Walla
Whatcom
Whitman
Yakima
cases
131072
65536
32768
16384
8192
4096
2048
1024
512
256
128
64
32
16
8
4
2
date
Jan 2020
Apr 2020
Jul 2020
Oct 2020
Jan 2021

Washington Counties - Deaths



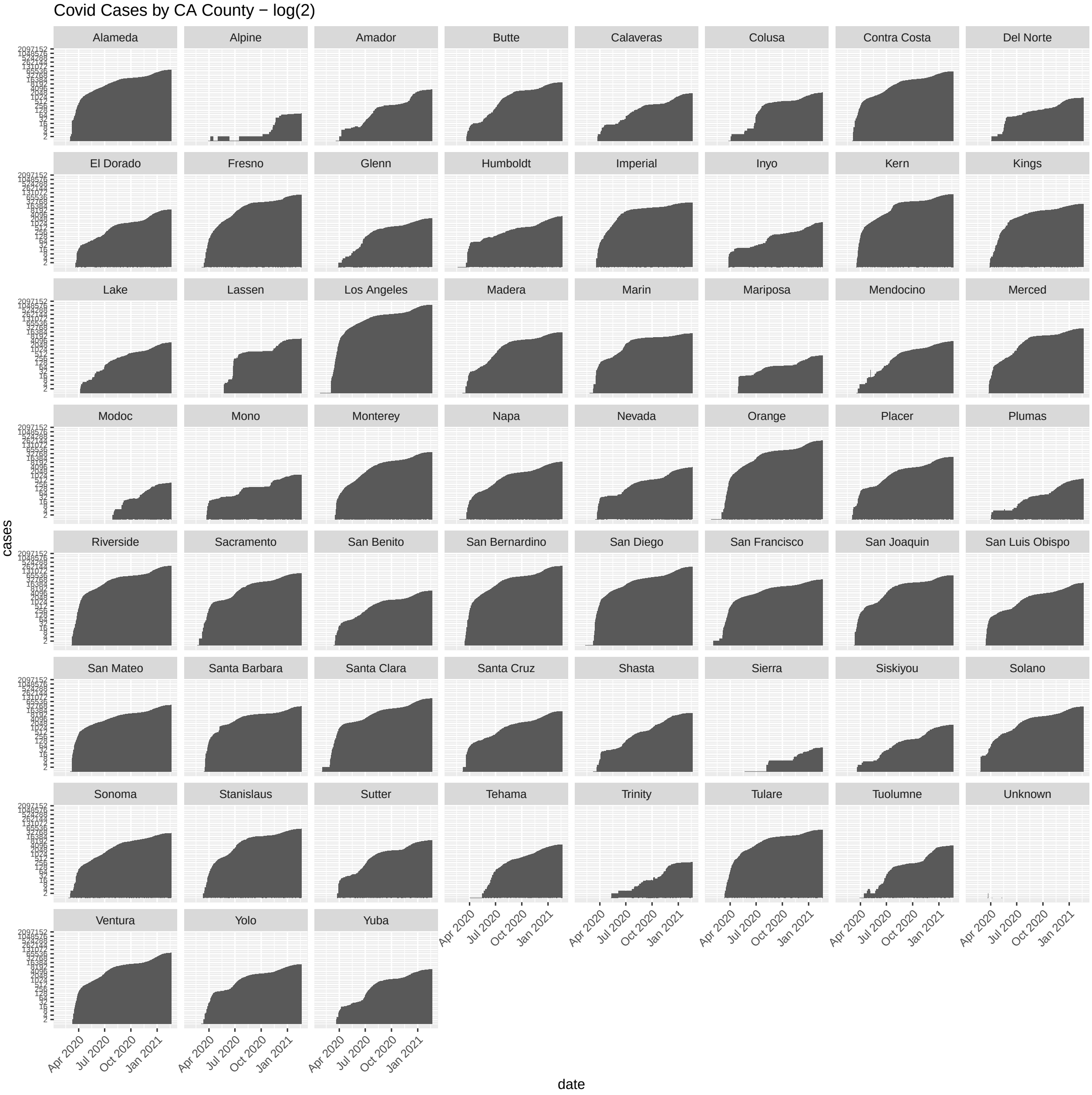

Covid Deaths by WA County − log(2)

California Counties - Cases



```
## Warning: Transformation introduced infinite values in continuous y-axis
```

```
## Warning: Removed 3 rows containing missing values (geom_col).
```


Covid Cases by CA County − log(2)
Alameda
Alpine
Amador
Butte
Calaveras
Colusa
Contra Costa
Del Norte
El Dorado
Fresno
Glenn
Humboldt
Imperial
Inyo
Kern
Kings
Lake
Lassen
Los Angeles
Madera
Marin
Mariposa
Mendocino
Merced
Modoc
Mono
Monterey
Napa
Nevada
Orange
Placer
Plumas
Riverside
Sacramento
San Benito
San Bernardino
San Diego
San Francisco
San Joaquin
San Luis Obispo
San Mateo
Santa Barbara
Santa Clara
Santa Cruz
Shasta
Sierra
Siskiyou
Solano
Sonoma
Stanislaus
Sutter
Tehama
Trinity
Tulare
Tuolumne
Unknown
Ventura
Yolo
Yuba
cases
2097152
1048576
524288
262144
131072
65536
32768
16384
8192
4096
2048
1024
512
256
128
64
32
16
8
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Apr 2020
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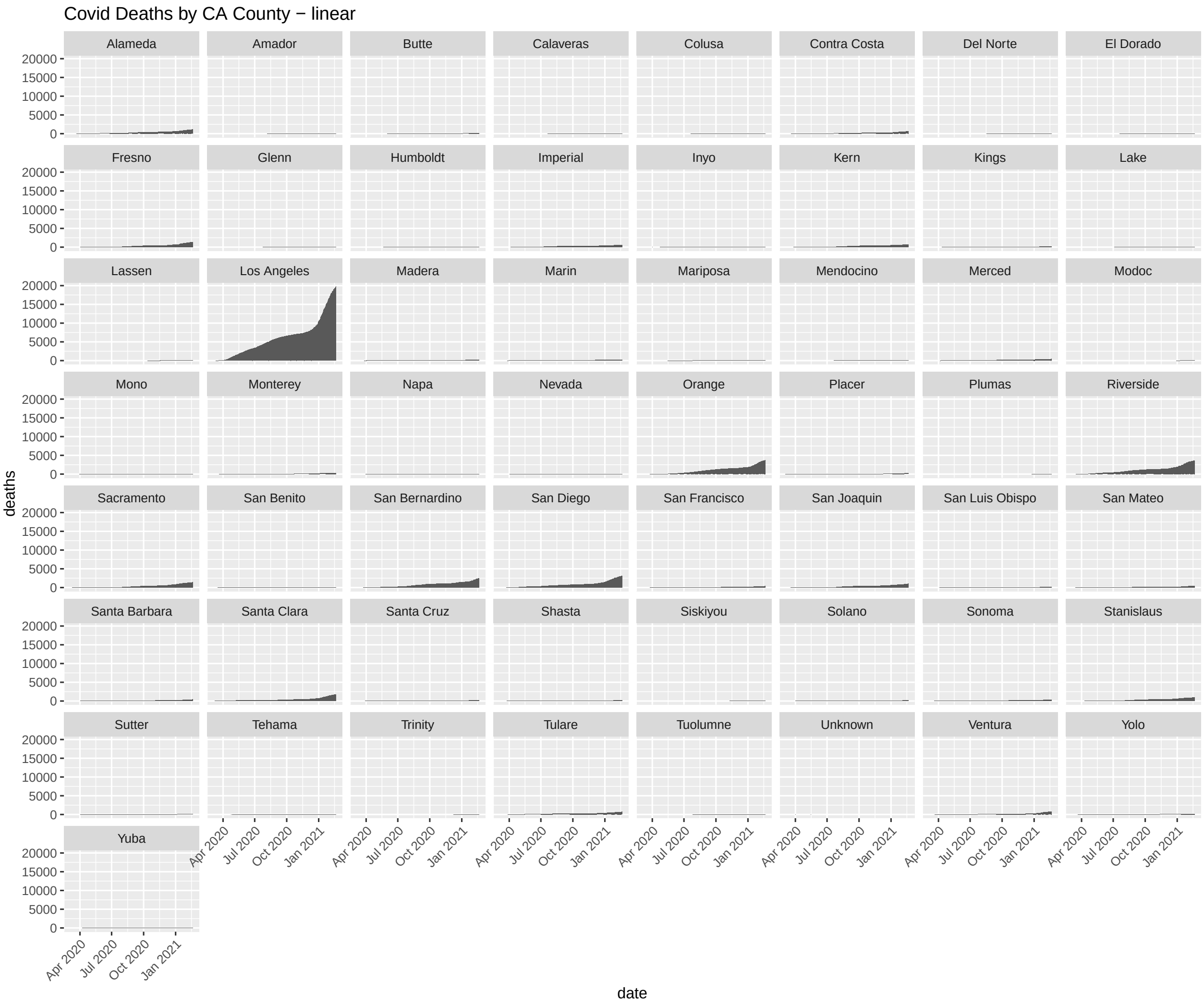
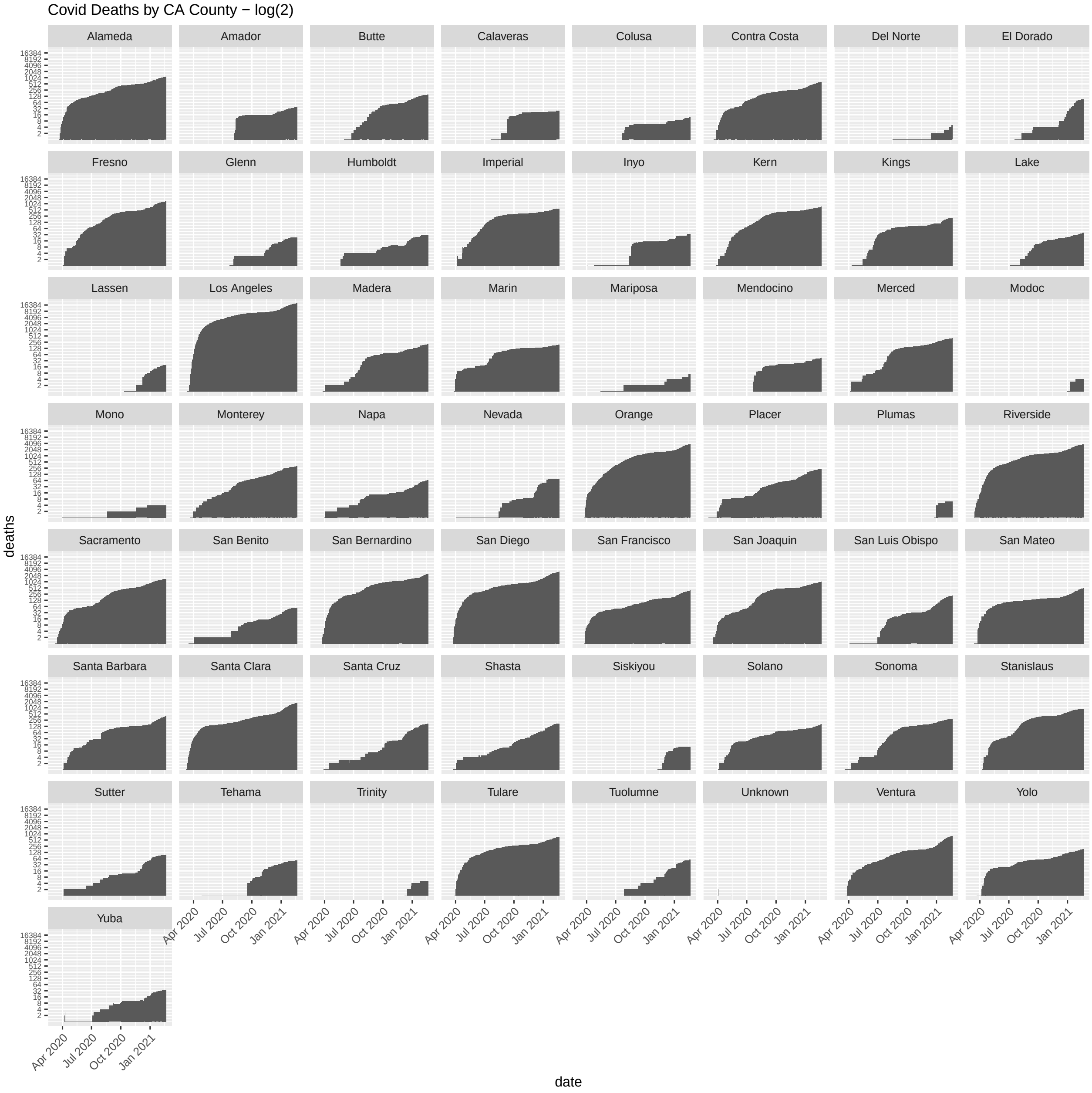
Jan 2021

California Counties - Deaths




Covid Deaths by CA County − log(2)
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Glenn
Humboldt
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Inyo
Kern
Kings
Lake
Lassen
Los Angeles
Madera
Marin
Mariposa
Mendocino
Merced
Modoc
Mono
Monterey
Napa
Nevada
Orange
Placer
Plumas
Riverside
Sacramento
San Benito
San Bernardino
San Diego
San Francisco
San Joaquin
San Luis Obispo
San Mateo
Santa Barbara
Santa Clara
Santa Cruz
Shasta
Siskiyou
Solano
Sonoma
Stanislaus
Sutter
Tehama
Trinity
Tulare
Tuolumne
Unknown
Ventura
Yolo
Yuba
deaths
16384
8192
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Apr 2020
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