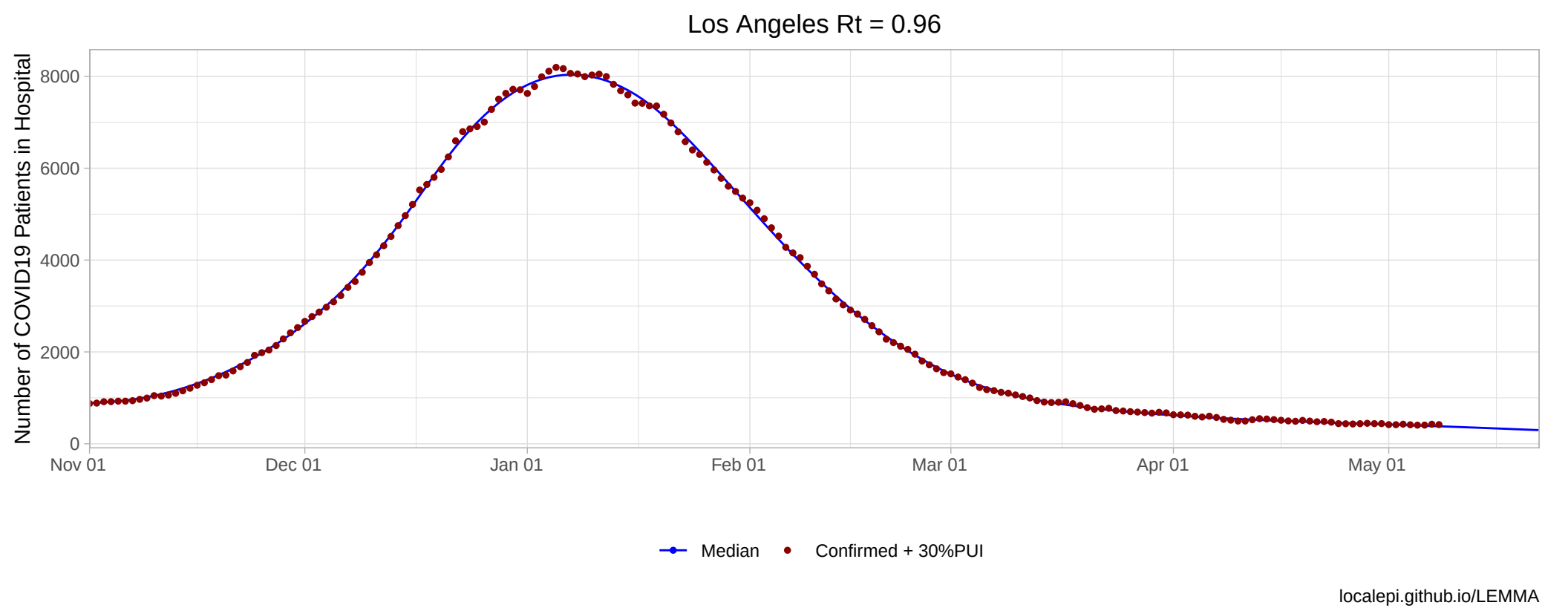
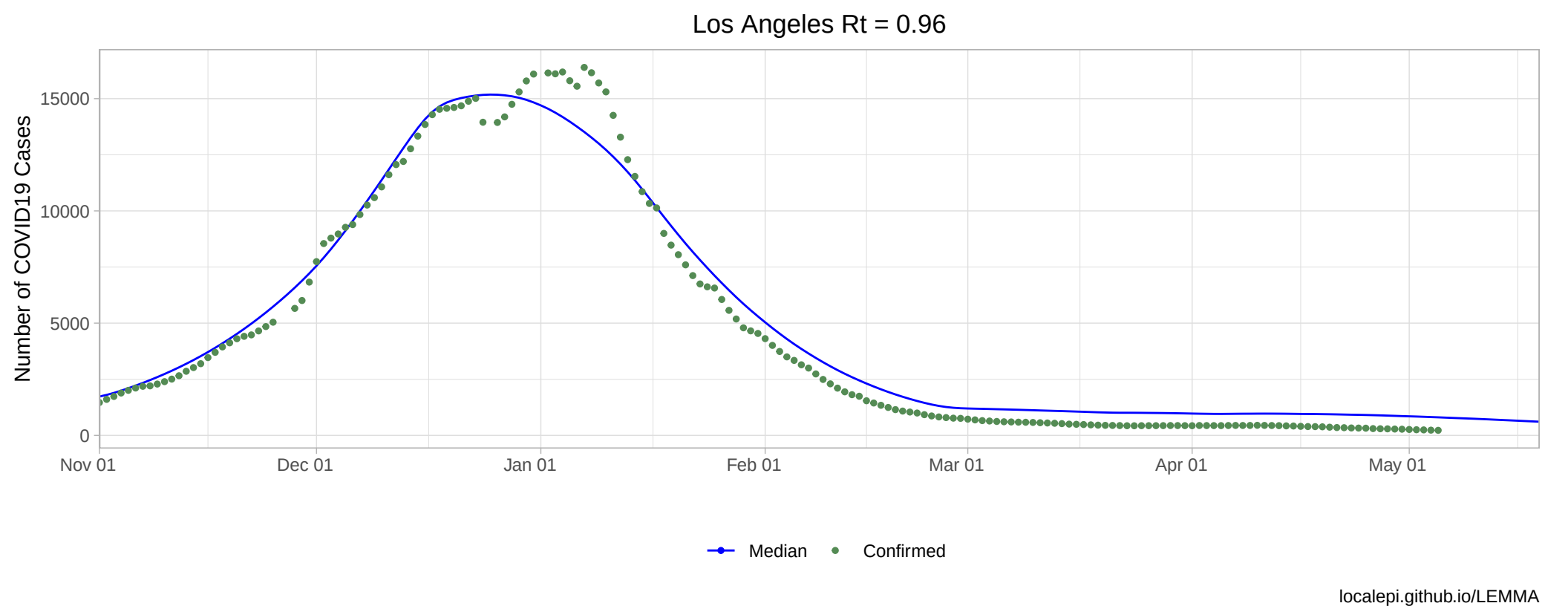
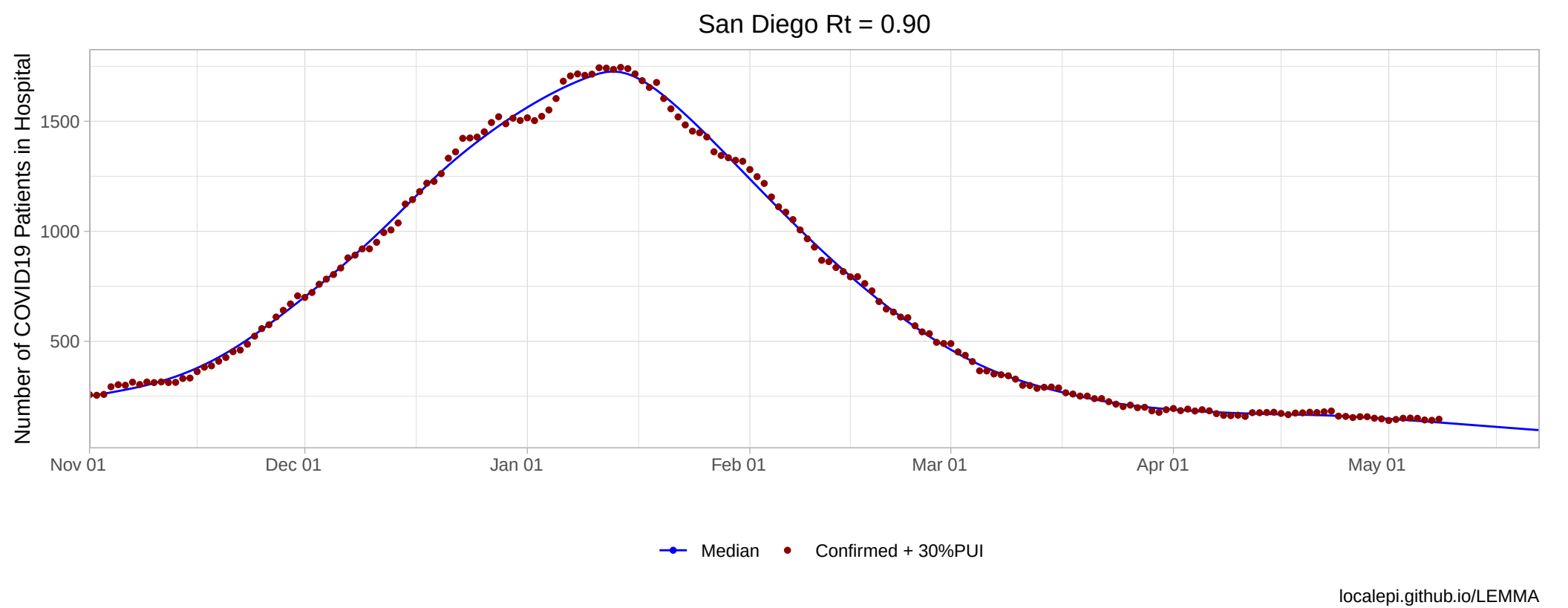
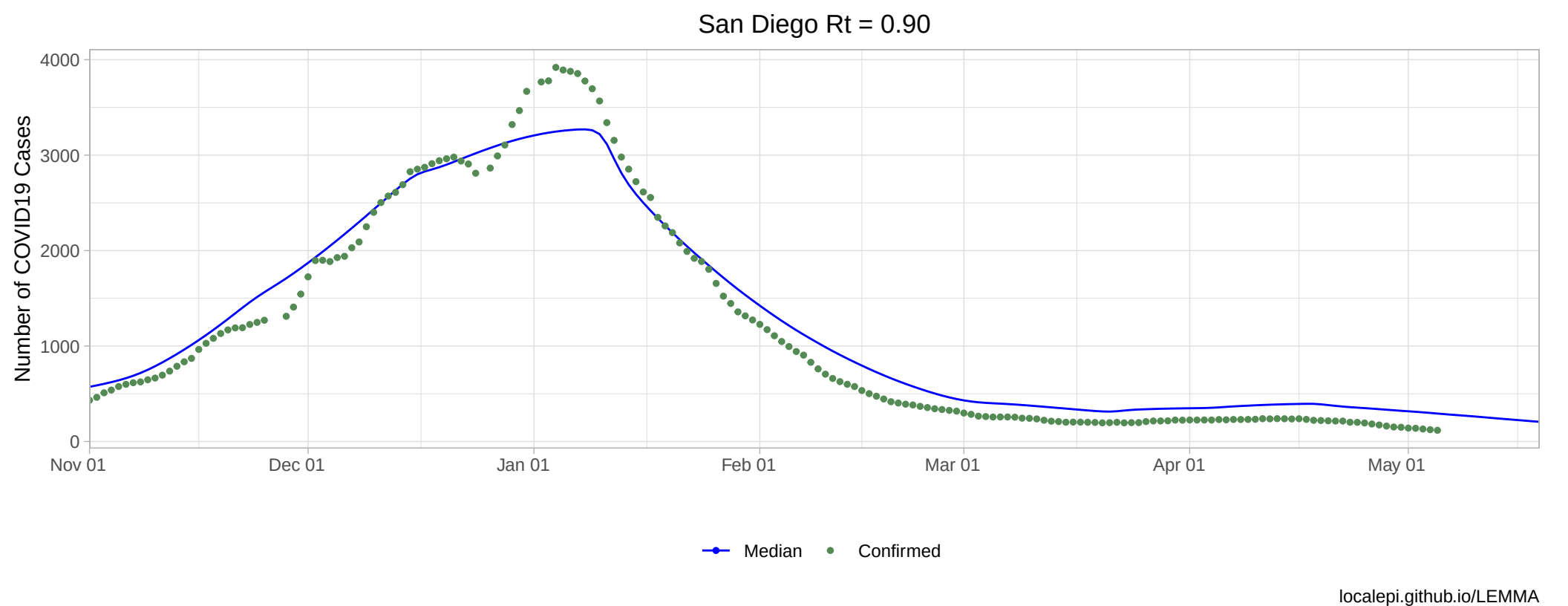
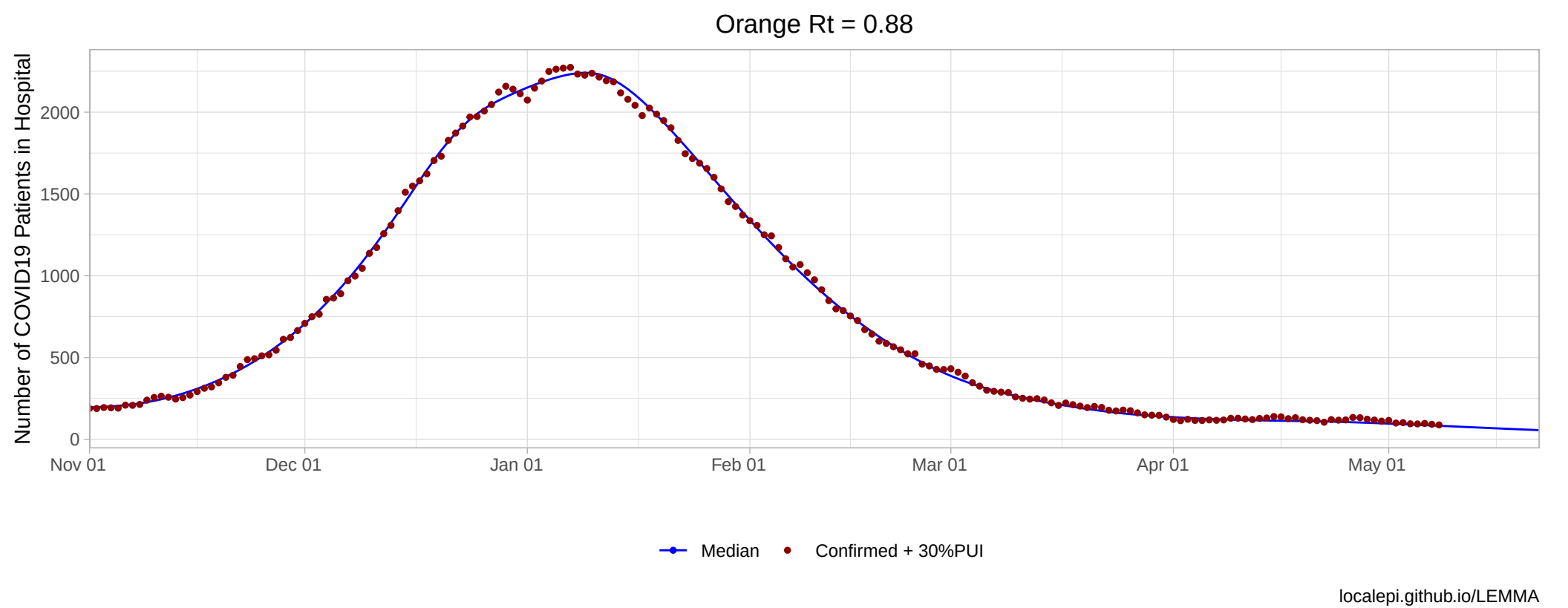
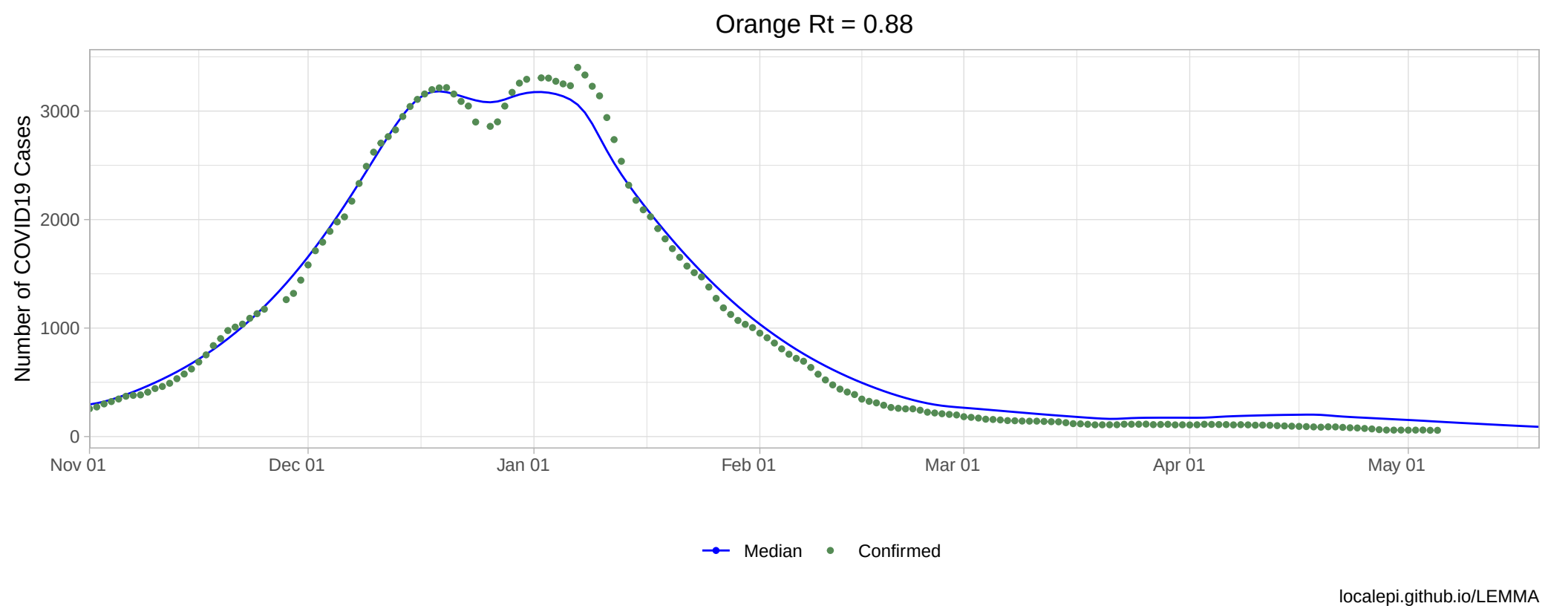

Los Angeles Rt = 0.96
Number of COVID19 Patients in Hospital
8000
6000
4000
2000
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

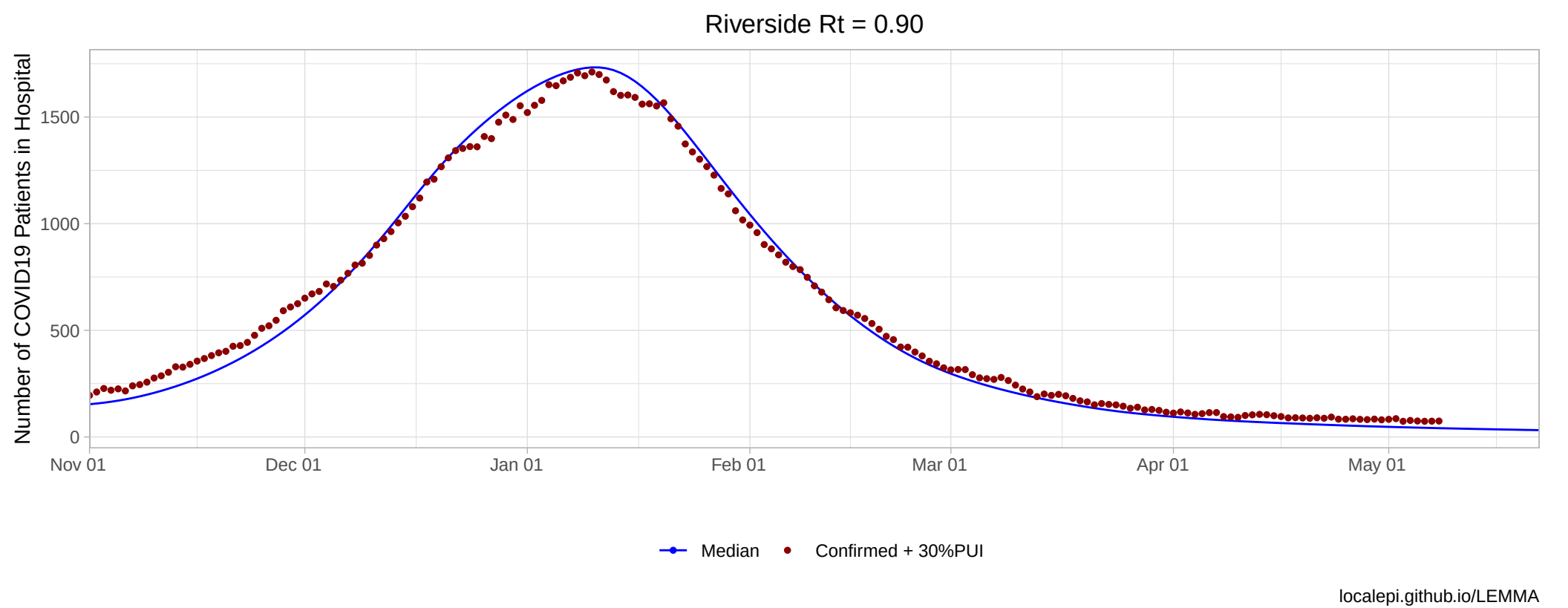

Los Angeles Rt = 0.96
Number of COVID19 Cases
15000
10000
5000
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

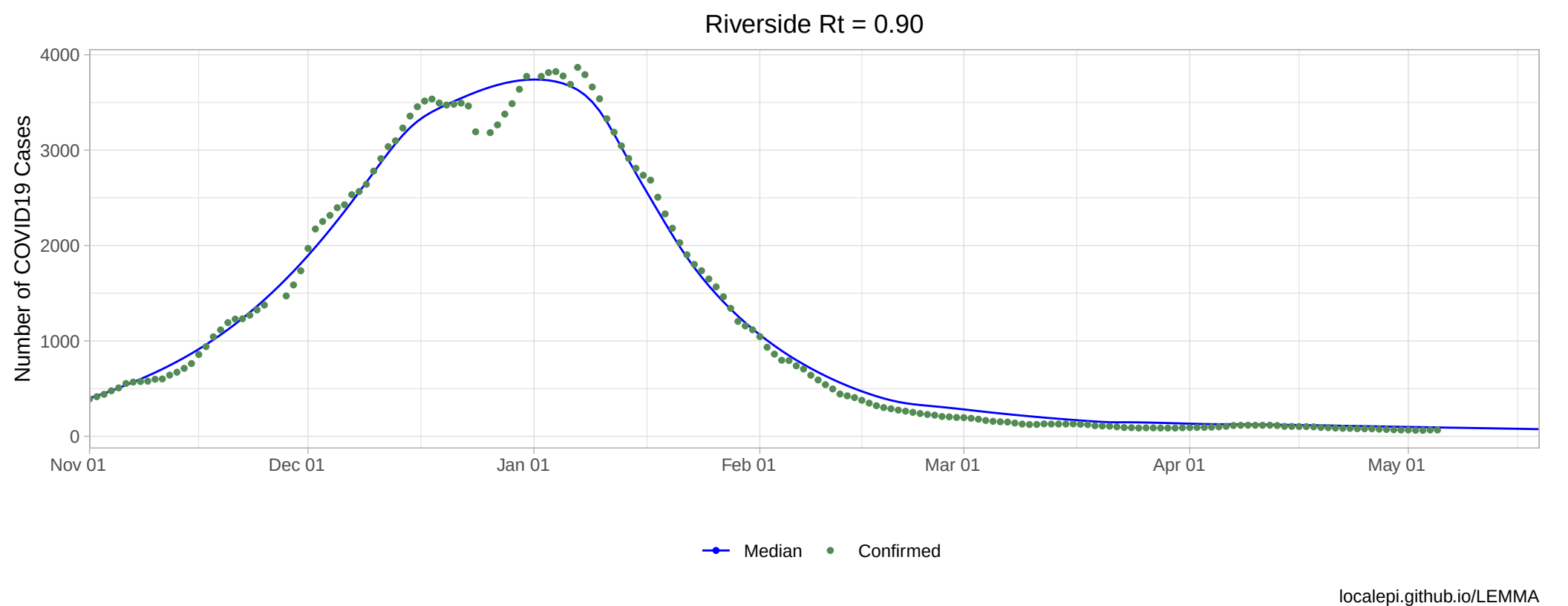

San Diego Rt = 0.90
Number of COVID19 Patients in Hospital
1500
1000
500
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

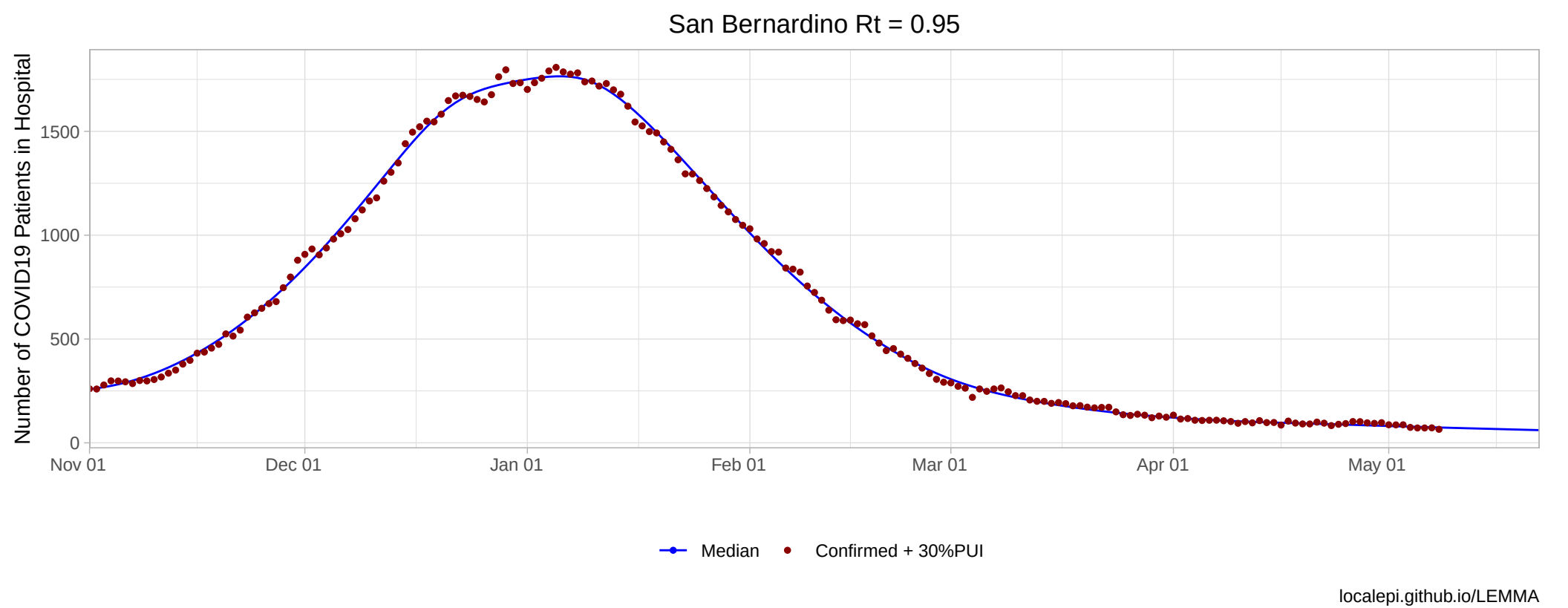

San Diego Rt = 0.90
Number of COVID19 Cases
4000
3000
2000
1000
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA


Orange Rt = 0.88
Number of COVID19 Patients in Hospital
2000
1500
1000
500
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

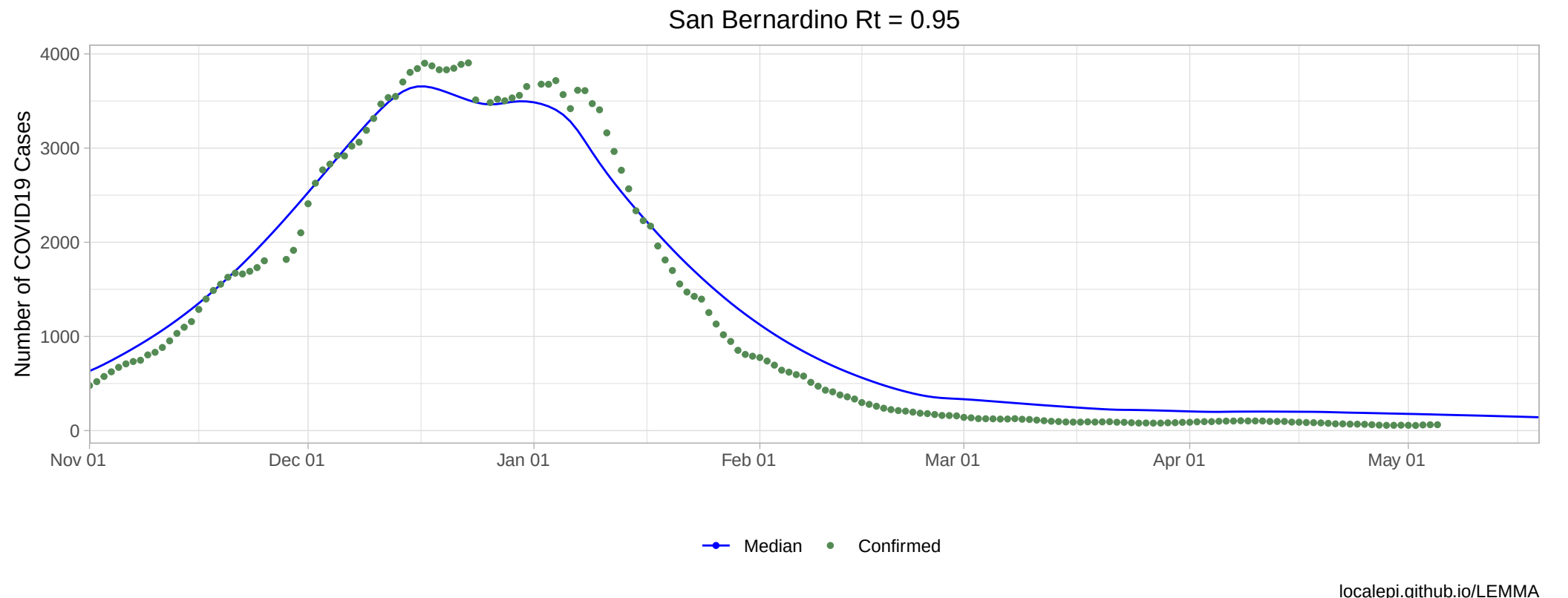

Orange Rt = 0.88
Number of COVID19 Cases
3000
2000
1000
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA


Riverside Rt = 0.90
Number of COVID19 Patients in Hospital
1500
1000
500
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

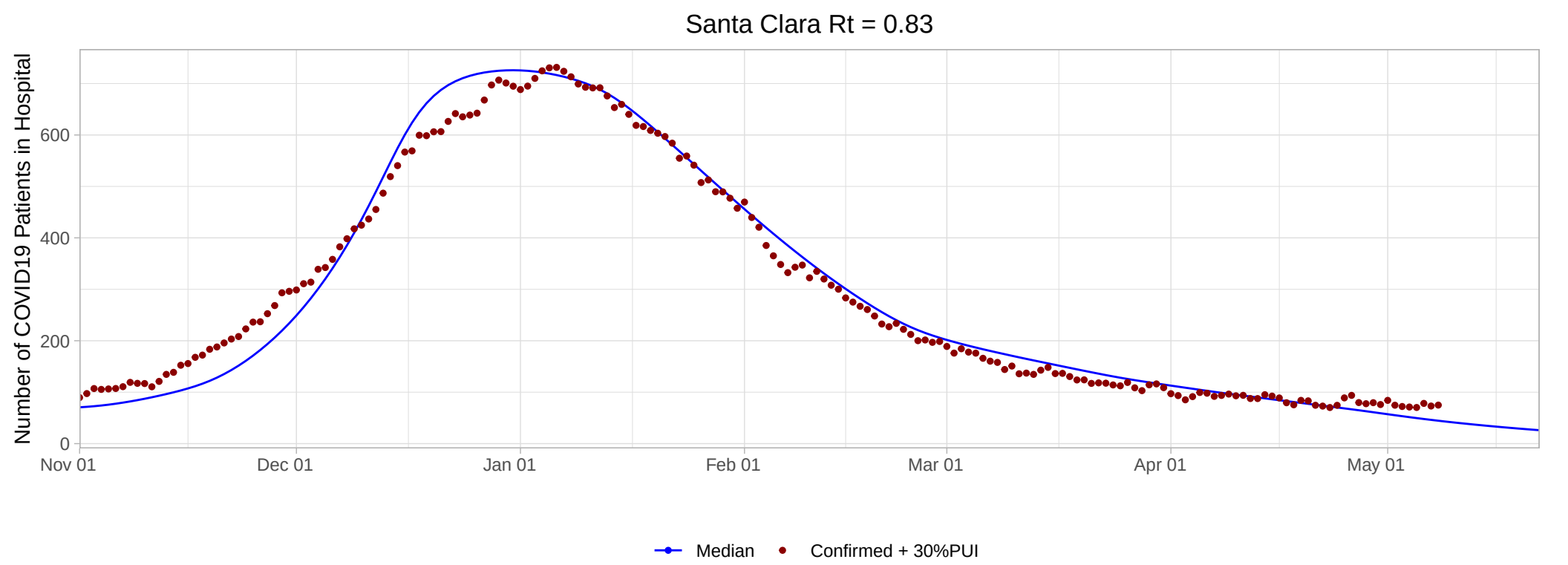

Riverside Rt = 0.90
Number of COVID19 Cases
4000
3000
2000
1000
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

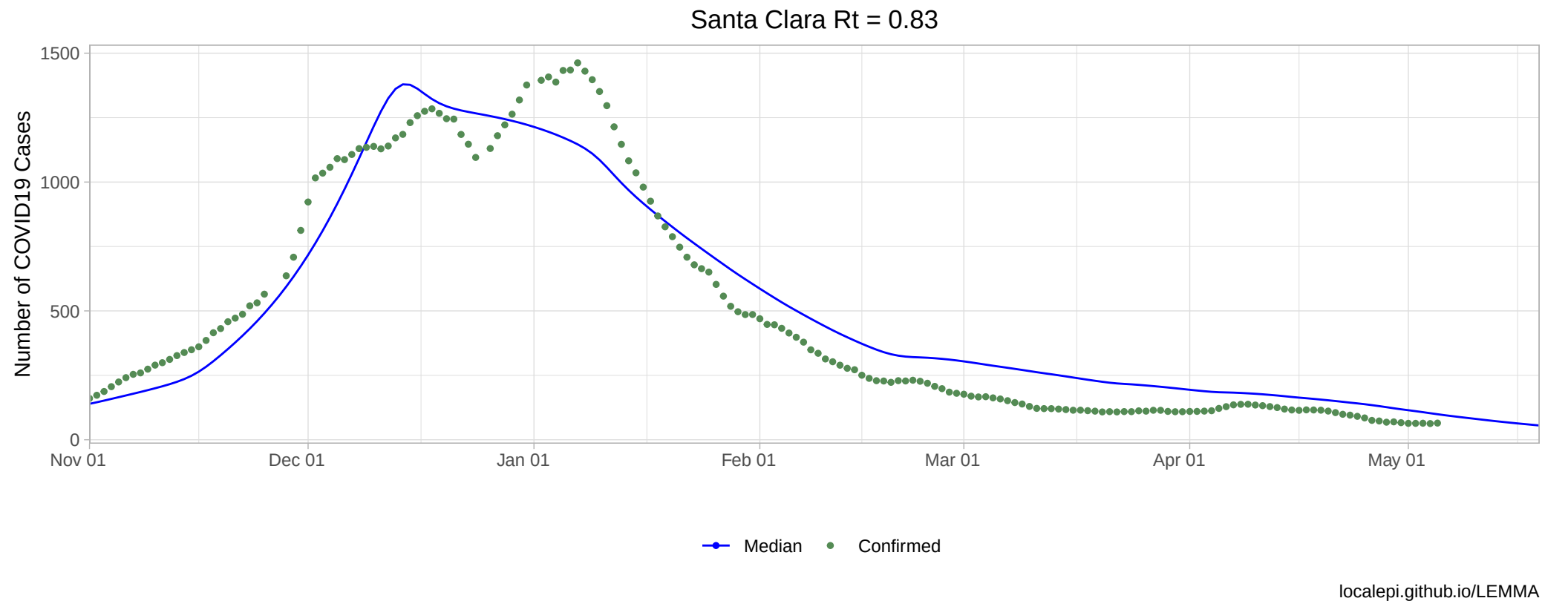


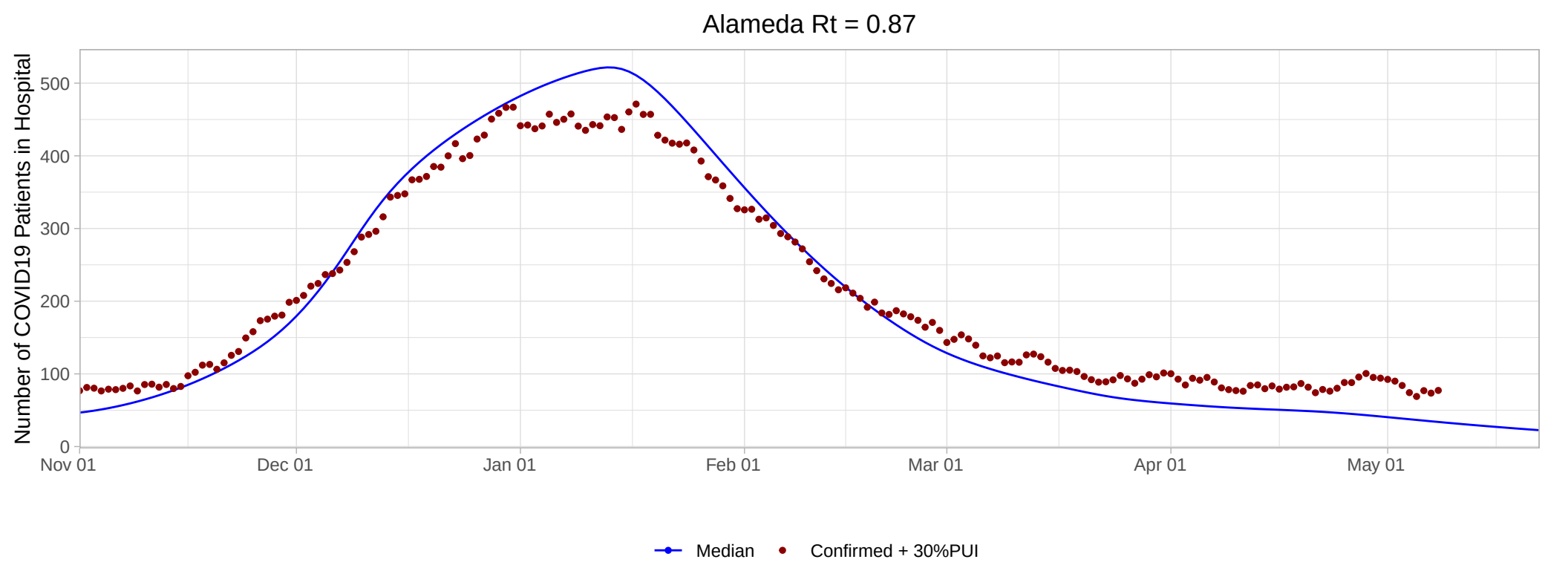
localepi.github.io/LEMMA

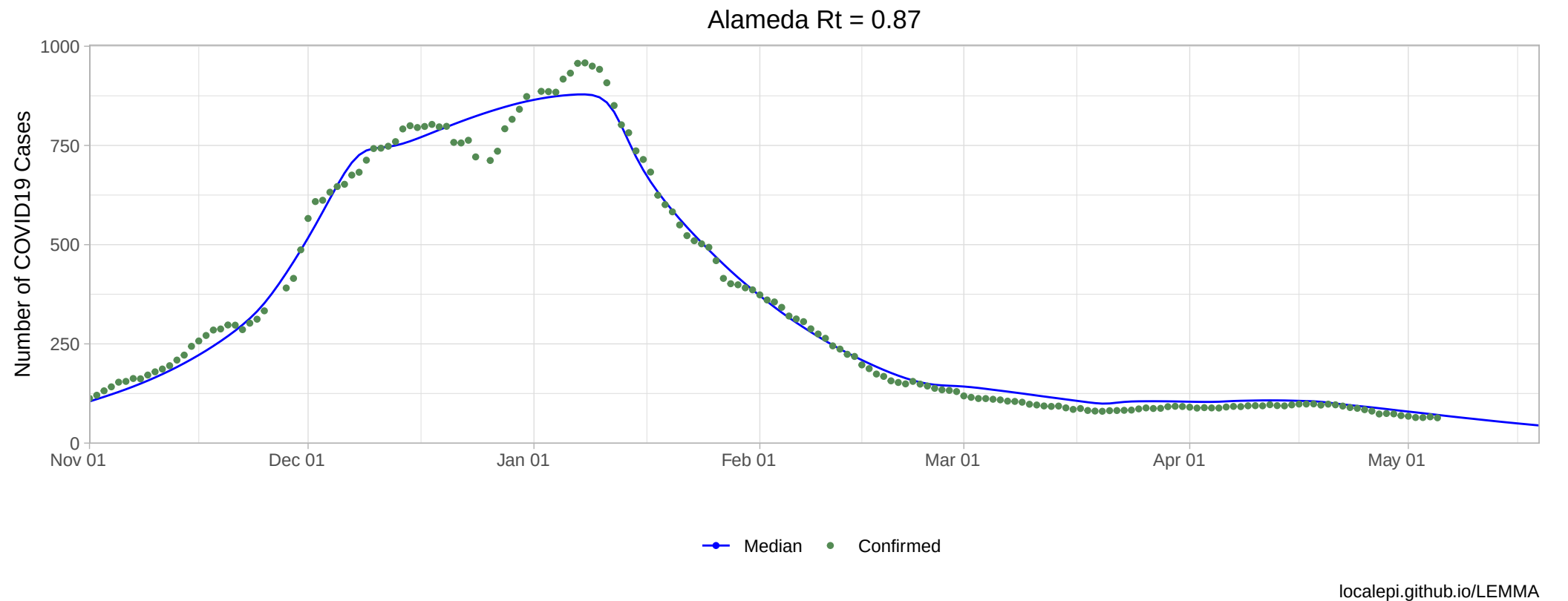


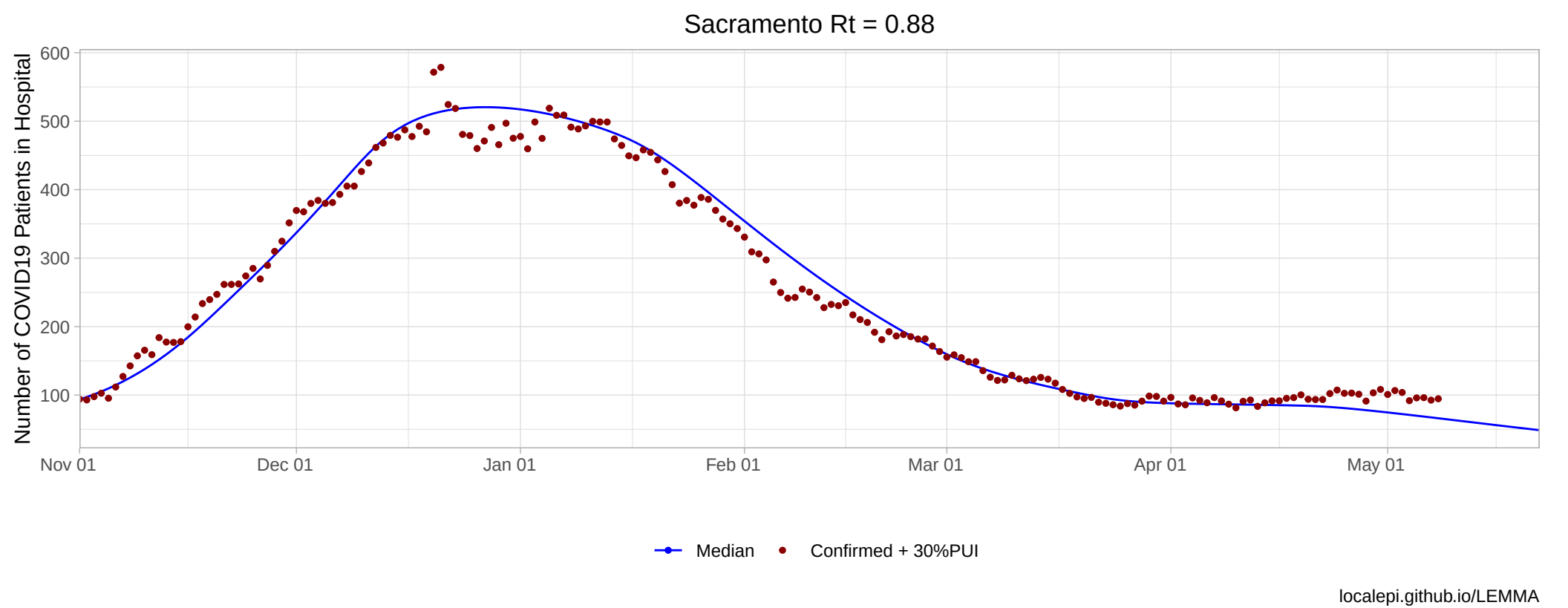
localepi.github.io/LEMMA

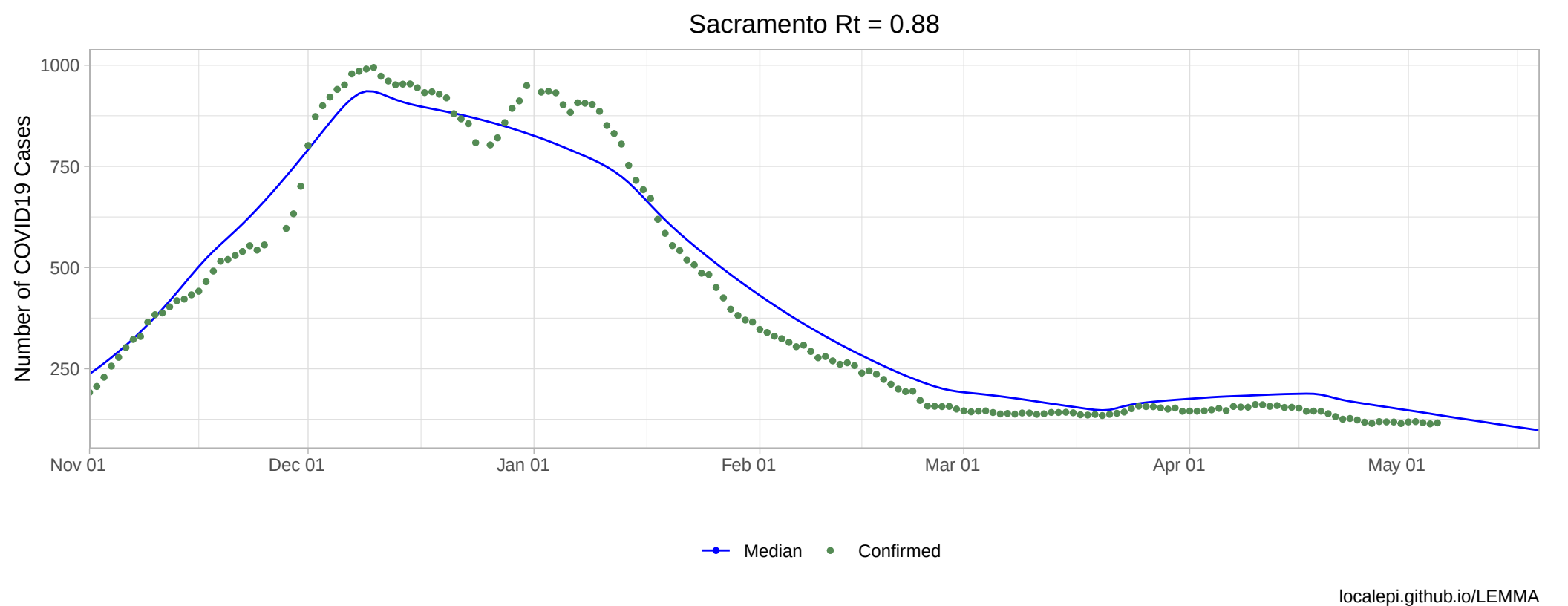

Santa Clara Rt = 0.83
Number of COVID19 Patients in Hospital
0
200
400
600
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

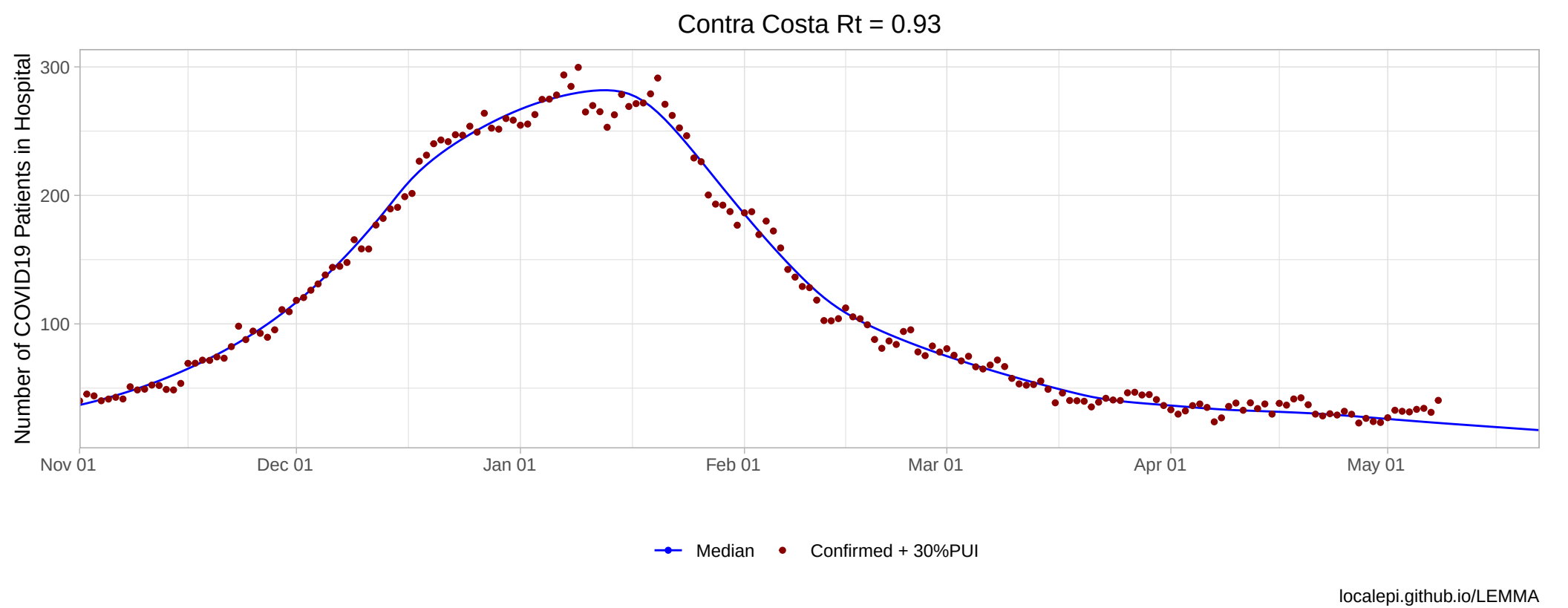

Santa Clara Rt = 0.83
Number of COVID19 Cases
0
500
1000
1500
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

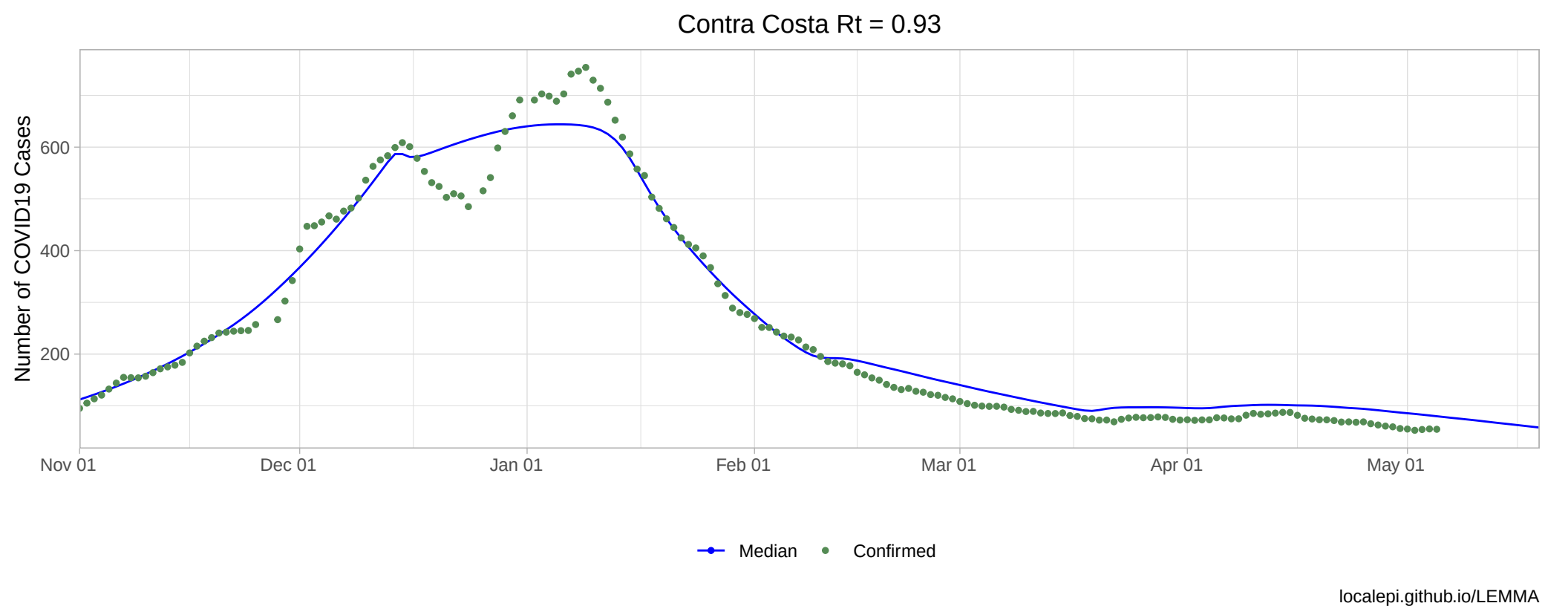

Alameda Rt = 0.87
Number of COVID19 Patients in Hospital
0
100
200
300
400
500
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

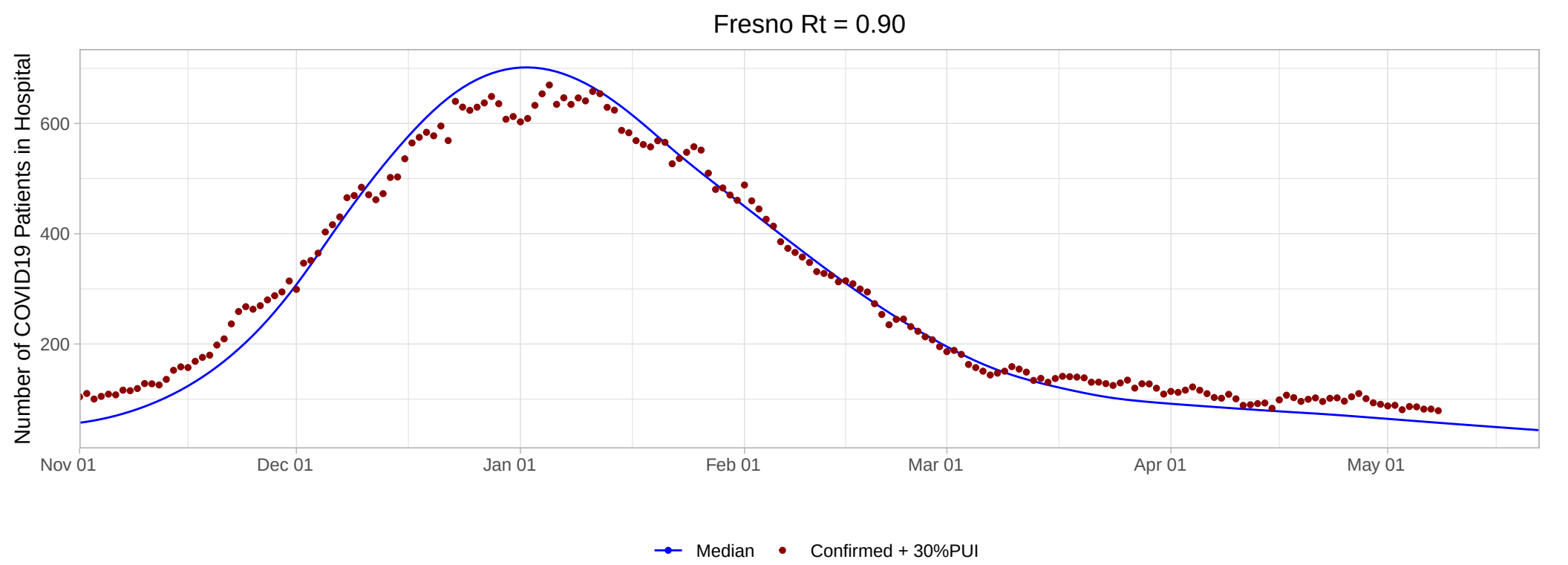

Alameda Rt = 0.87
Number of COVID19 Cases
0
250
500
750
1000
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA


Sacramento Rt = 0.88
Number of COVID19 Patients in Hospital
600
500
400
300
200
100
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

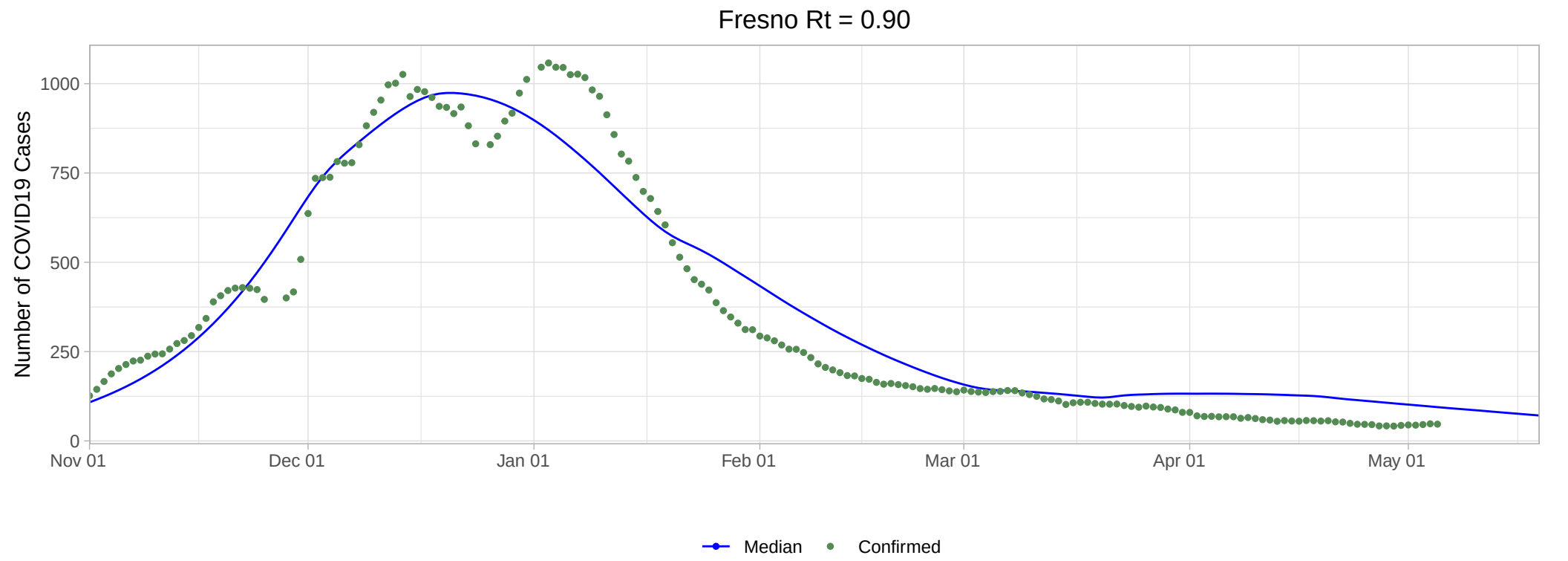

Sacramento Rt = 0.88
Number of COVID19 Cases
1000
750
500
250
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA


Contra Costa Rt = 0.93
Number of COVID19 Patients in Hospital
300
200
100
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

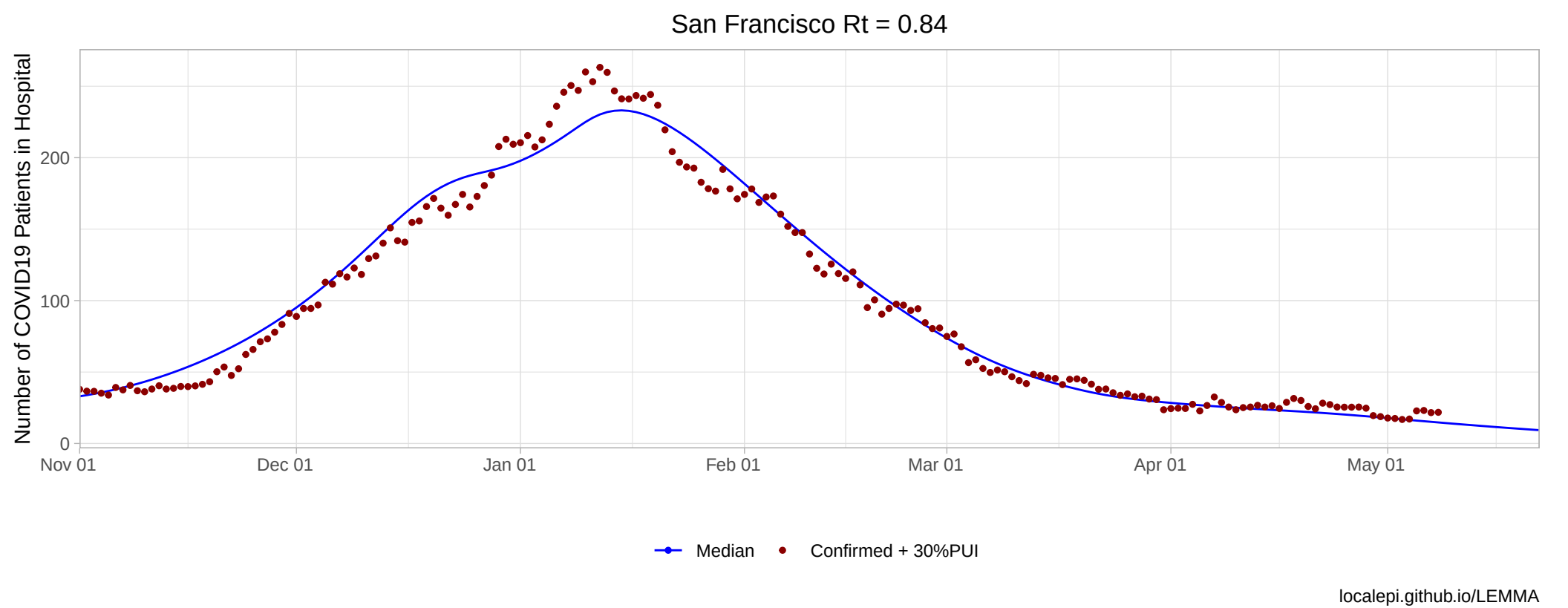

Contra Costa Rt = 0.93
Number of COVID19 Cases
600
400
200
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

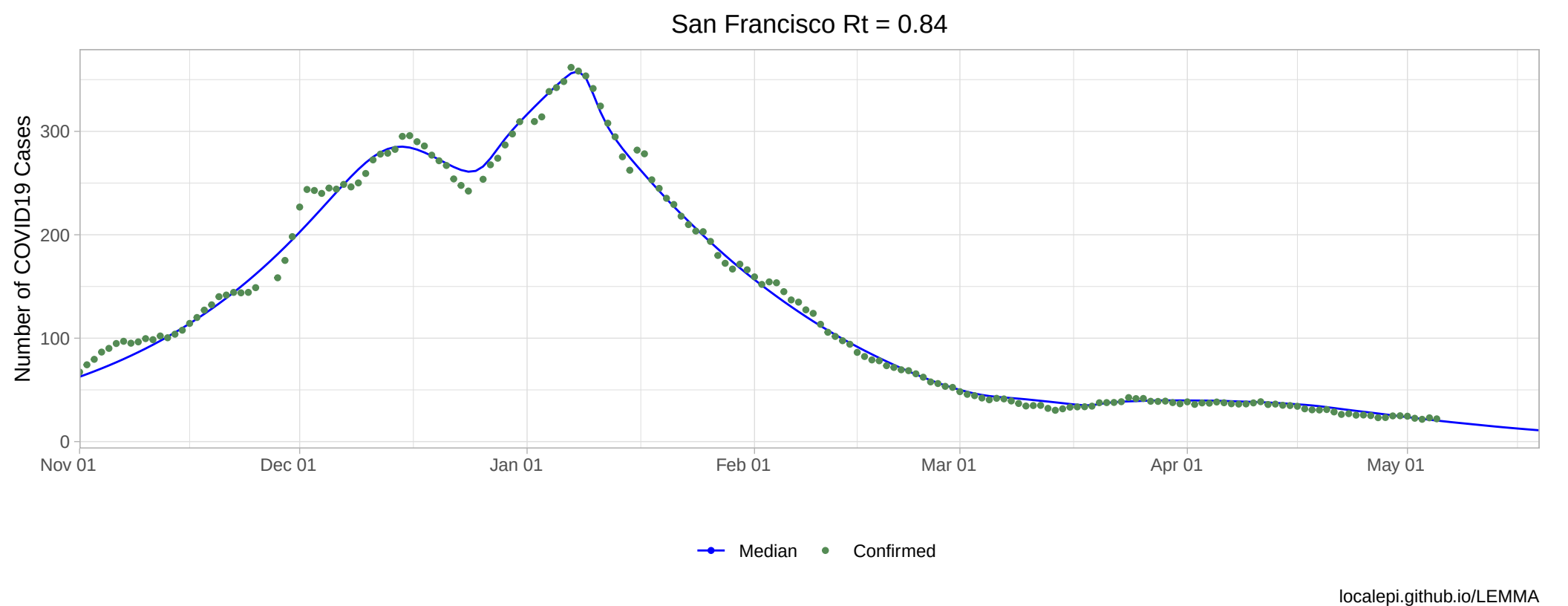


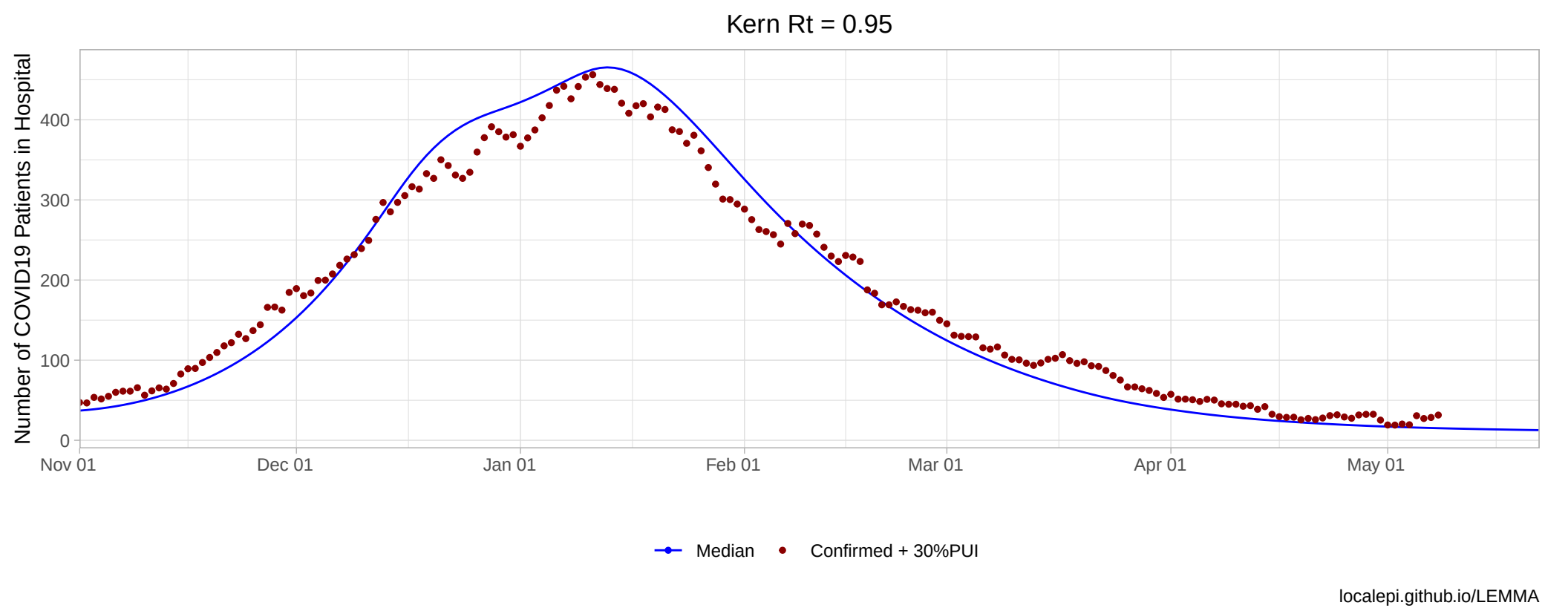
localepi.github.io/LEMMA

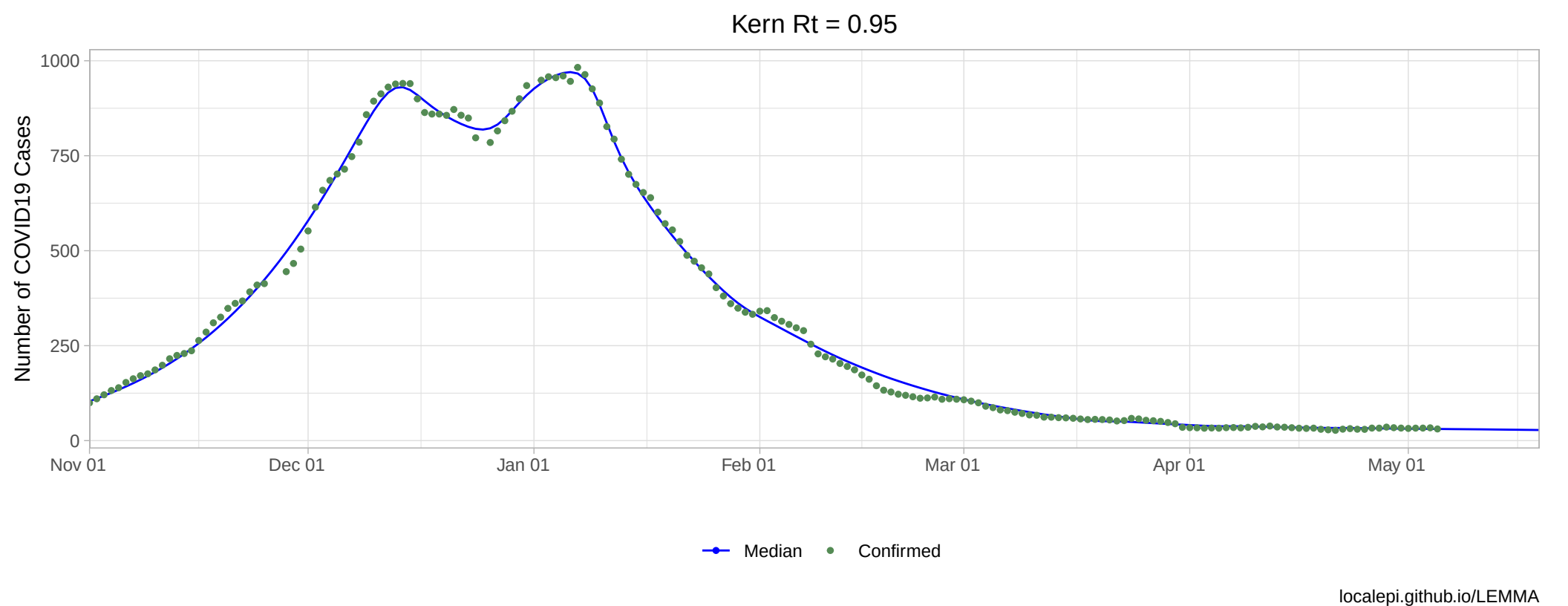


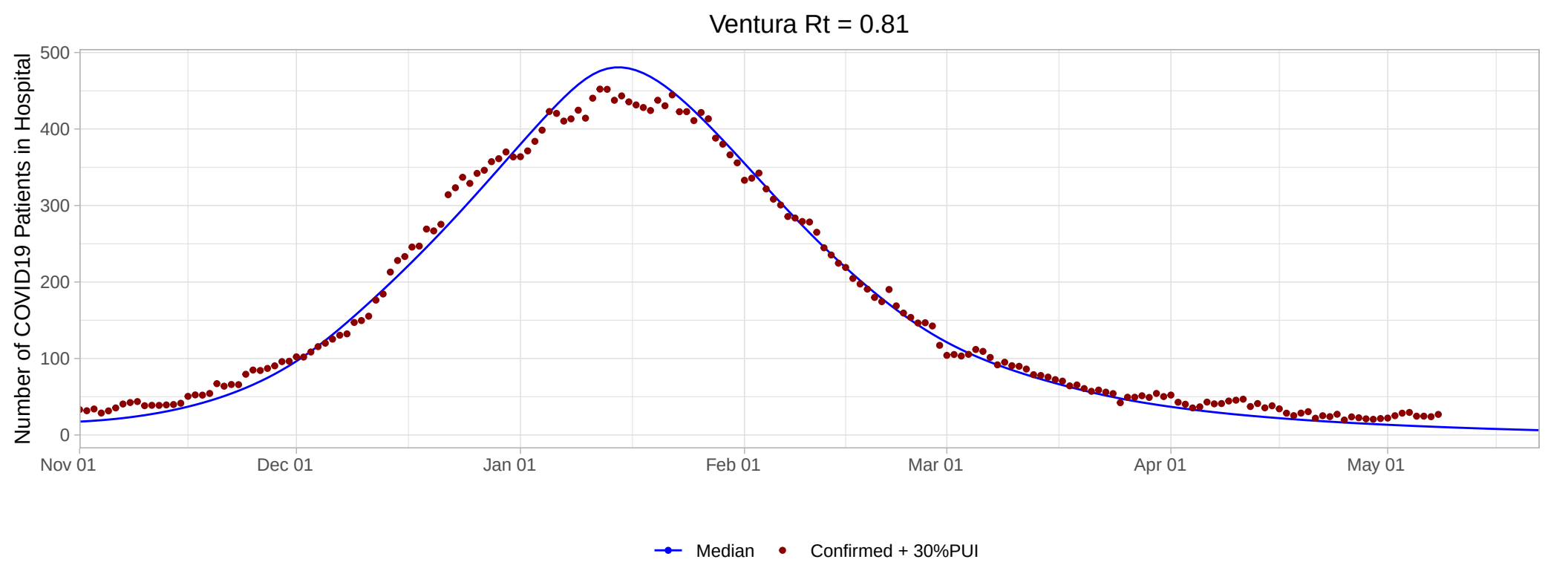
localepi.github.io/LEMMA


San Francisco Rt = 0.84
Number of COVID19 Patients in Hospital
0
100
200
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

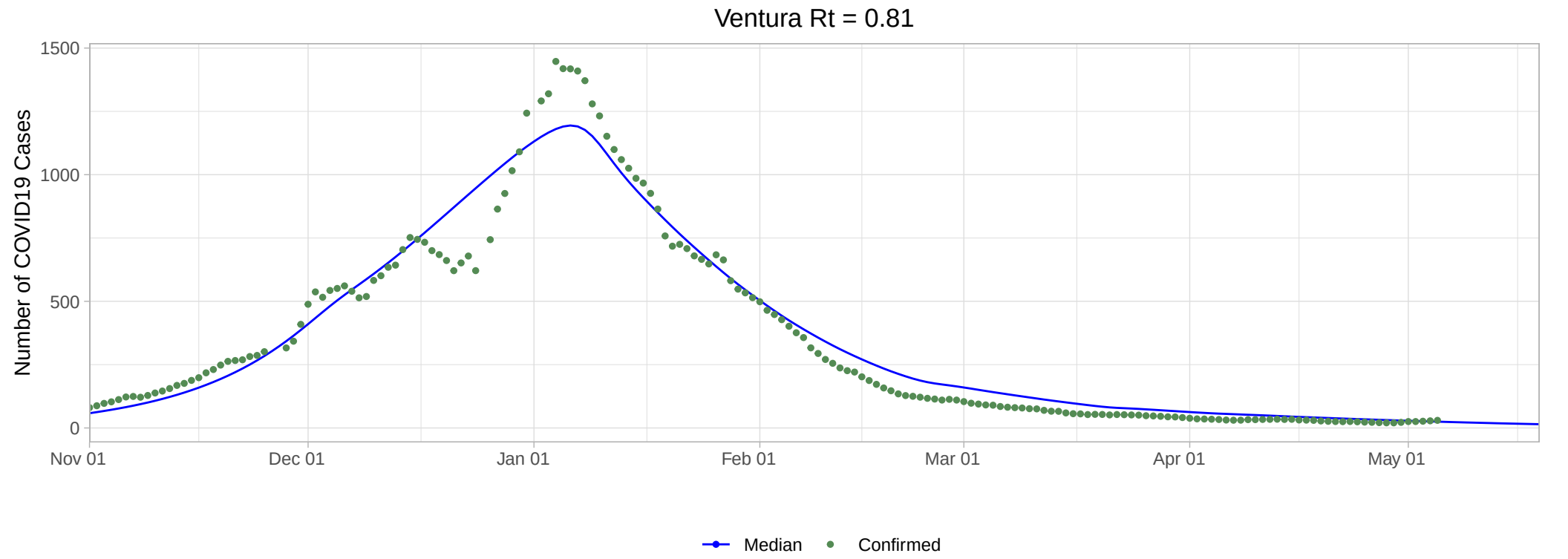

San Francisco Rt = 0.84
Number of COVID19 Cases
0
100
200
300
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA


Kern Rt = 0.95
Number of COVID19 Patients in Hospital
0
100
200
300
400
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

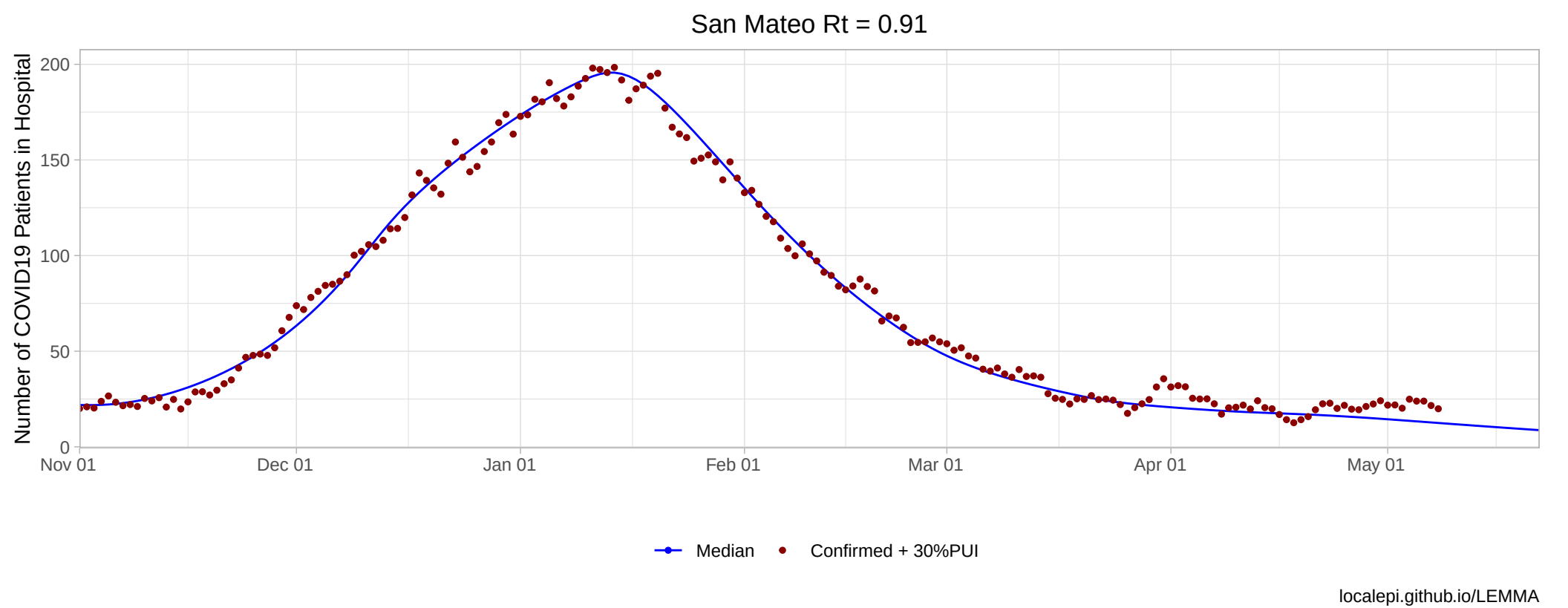

Kern Rt = 0.95
Number of COVID19 Cases
0
250
500
750
1000
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

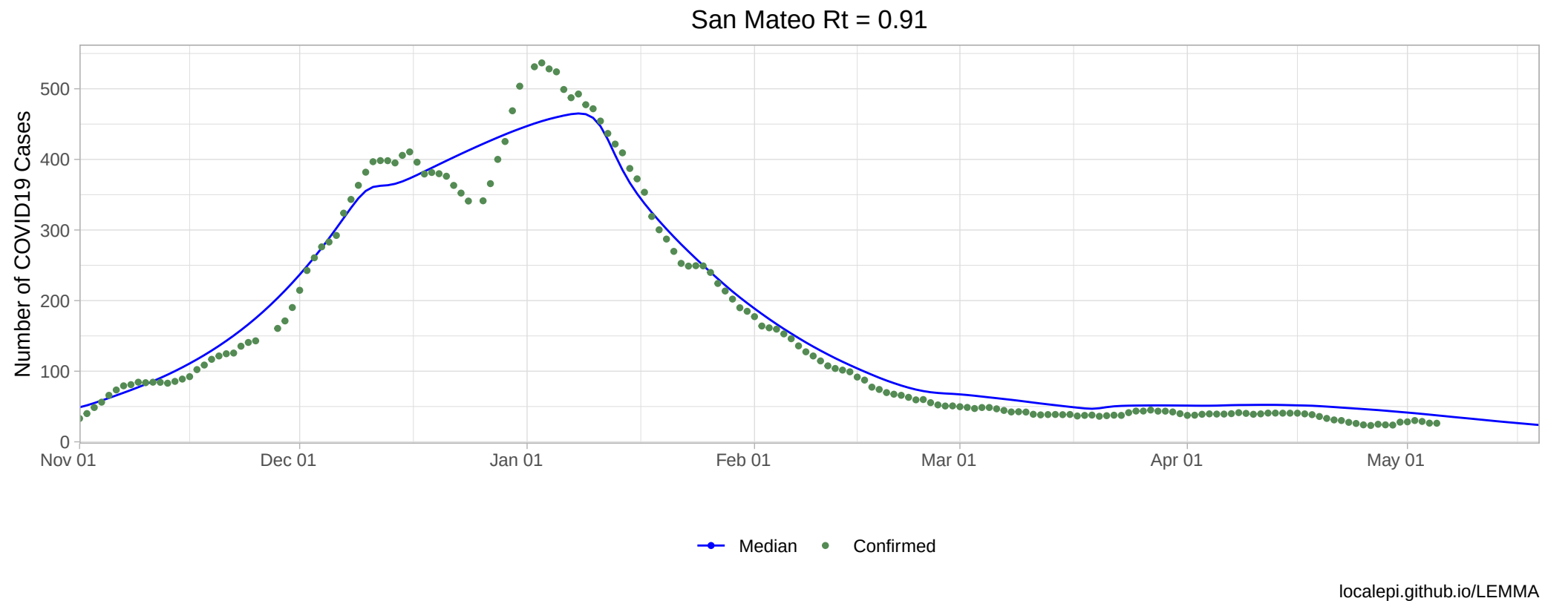


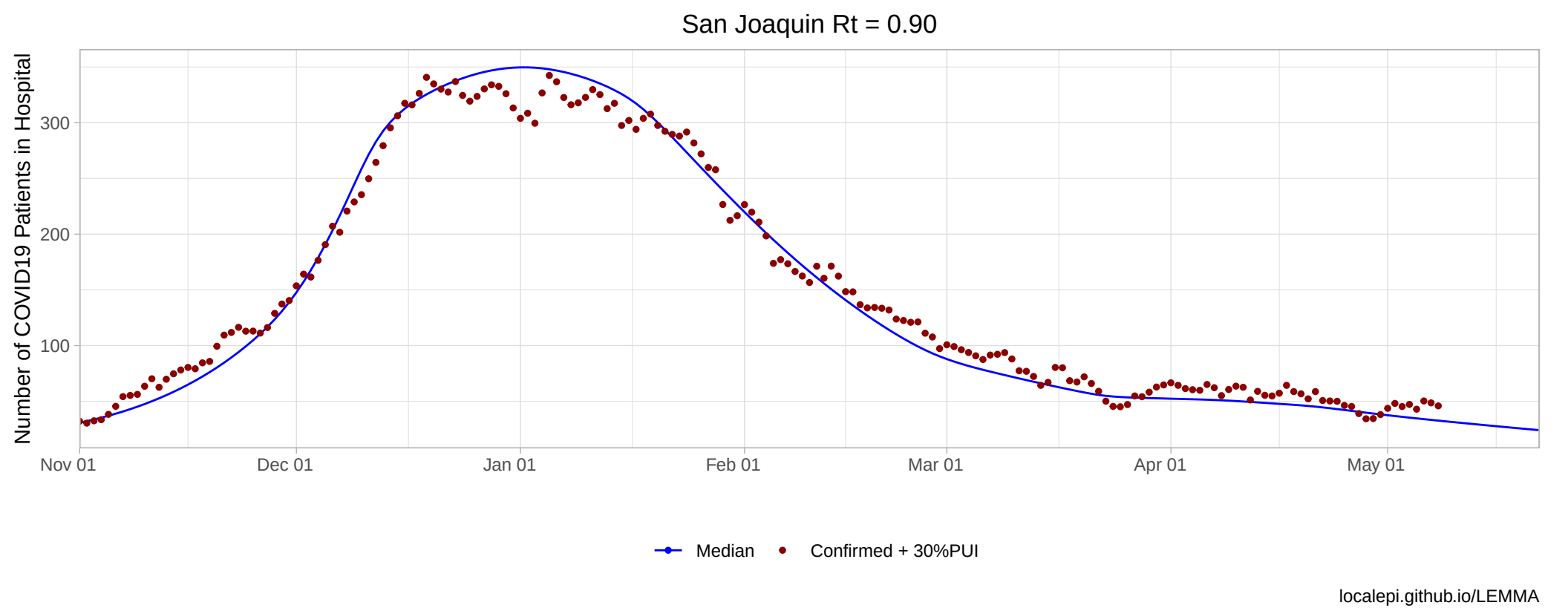
localepi.github.io/LEMMA

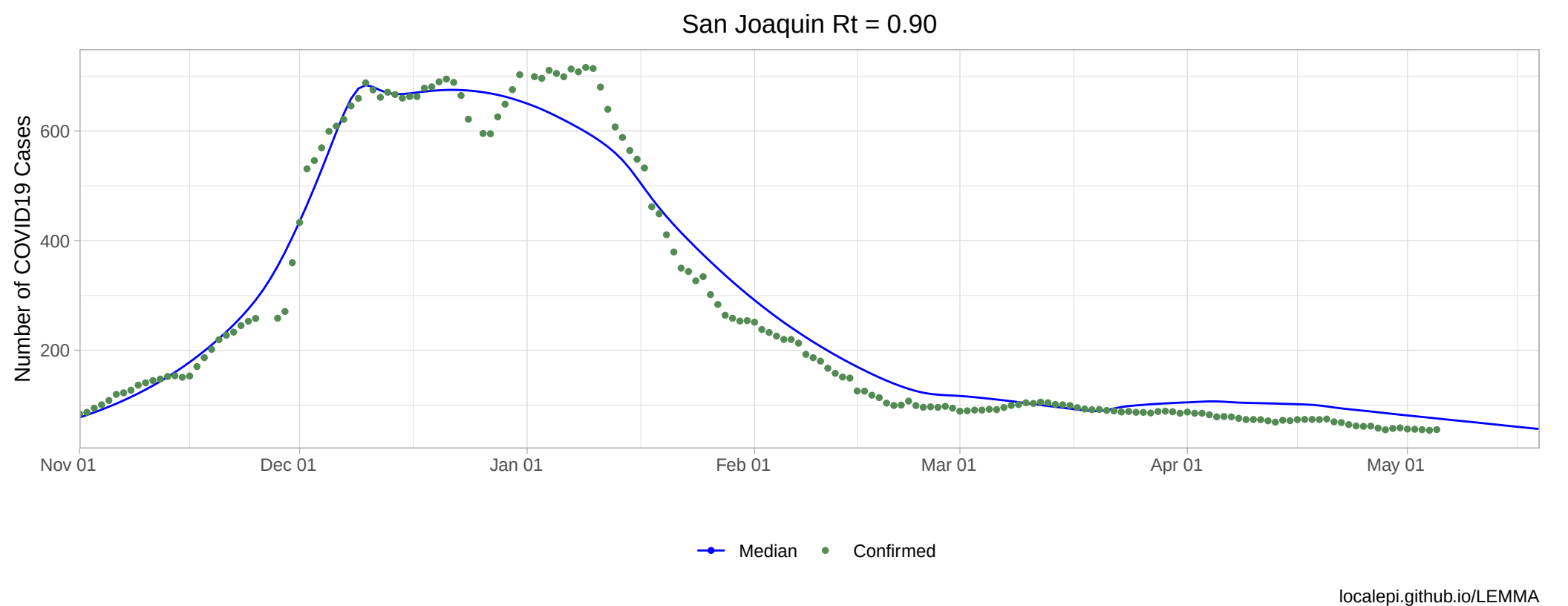


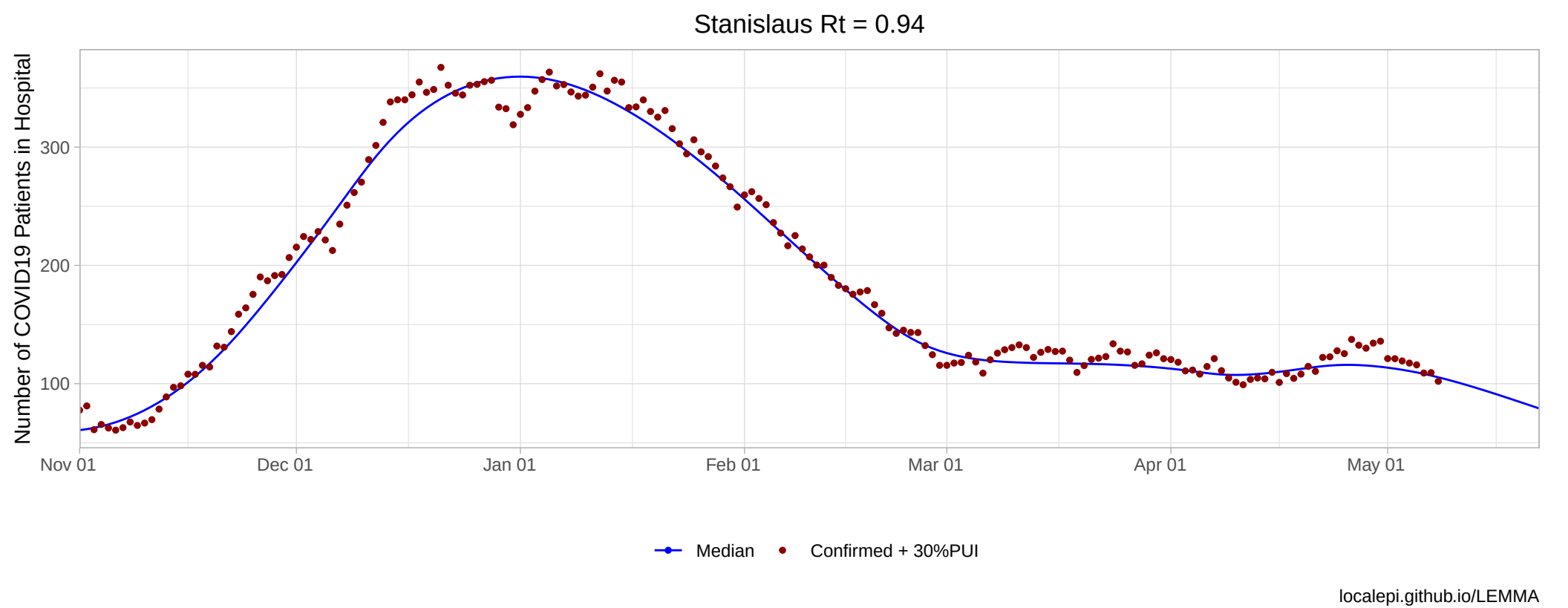
localepi.github.io/LEMMA

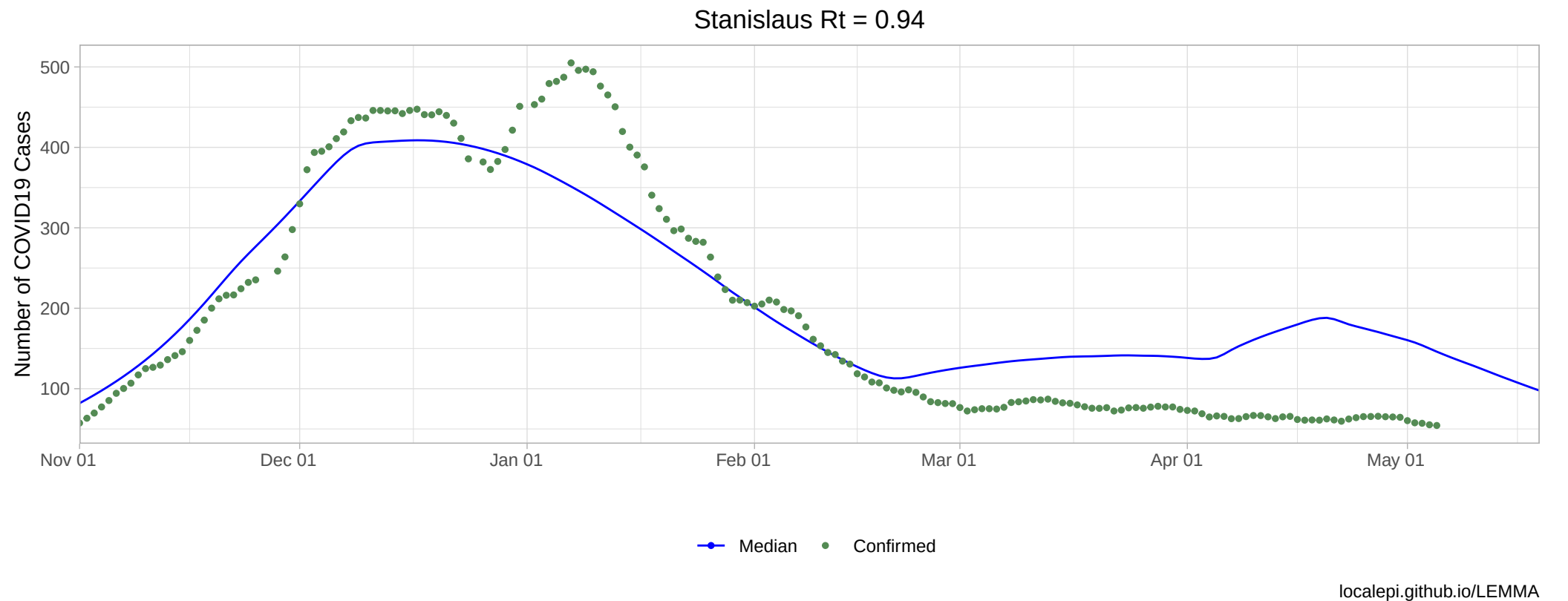

San Mateo Rt = 0.91
Number of COVID19 Patients in Hospital
200
150
100
50
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

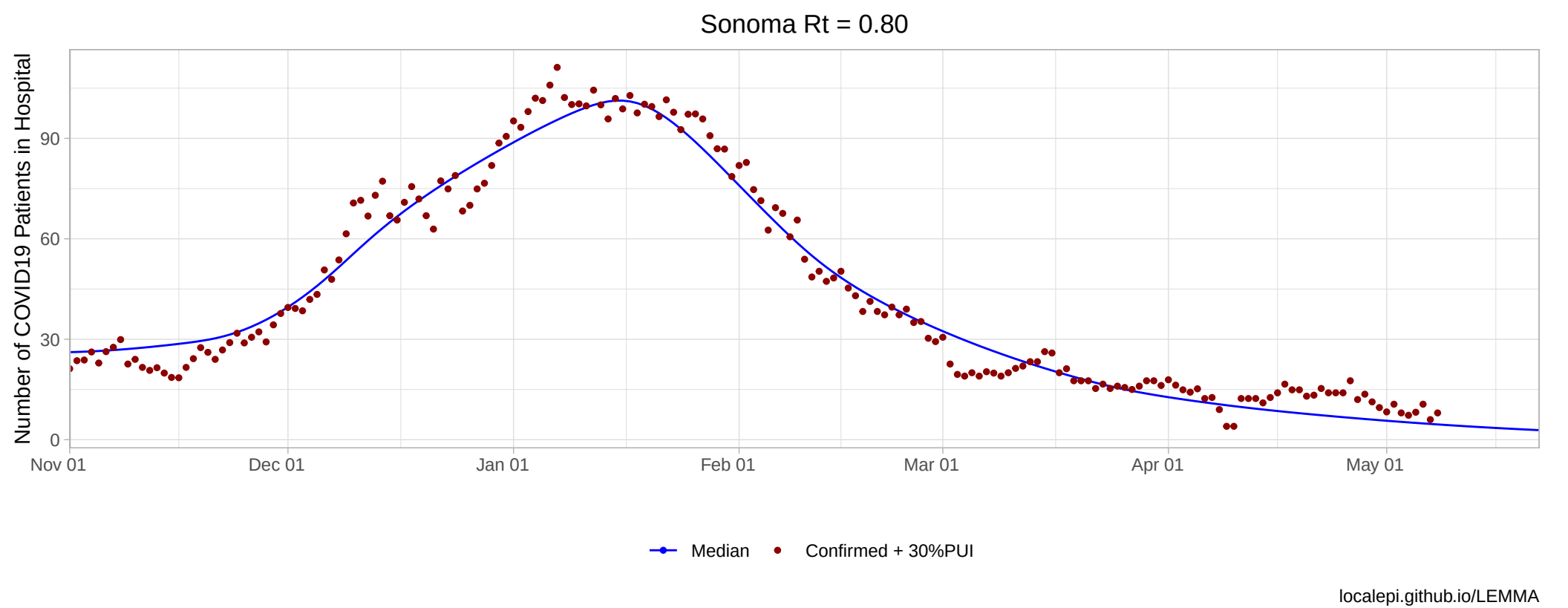

San Mateo Rt = 0.91
Number of COVID19 Cases
500
400
300
200
100
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

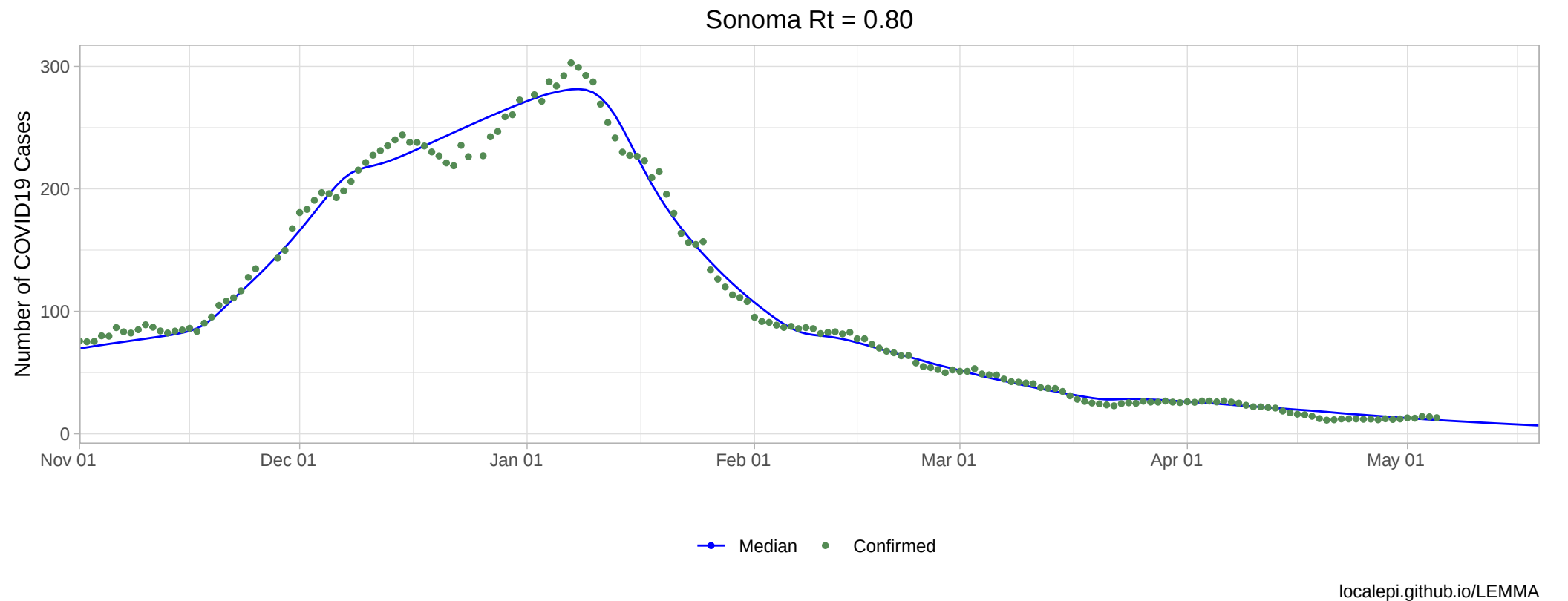

San Joaquin Rt = 0.90
Number of COVID19 Patients in Hospital
300
200
100
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

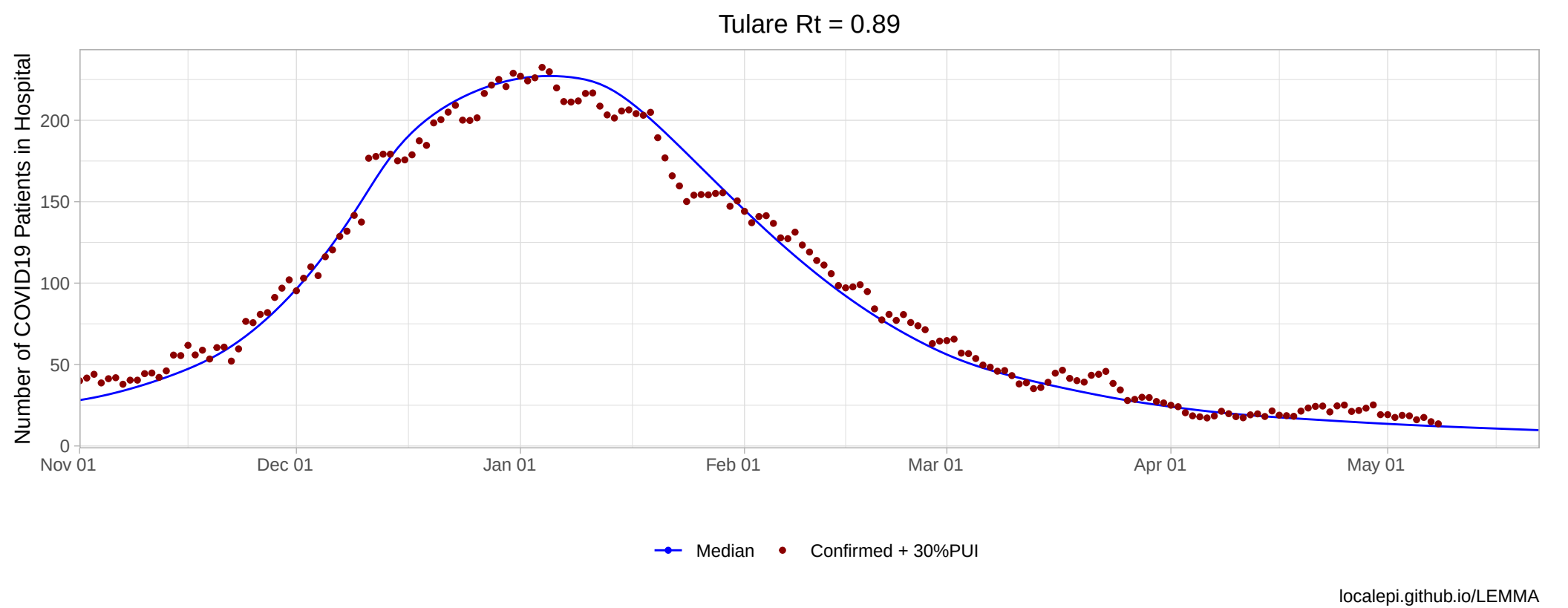

San Joaquin Rt = 0.90
Number of COVID19 Cases
600
400
200
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

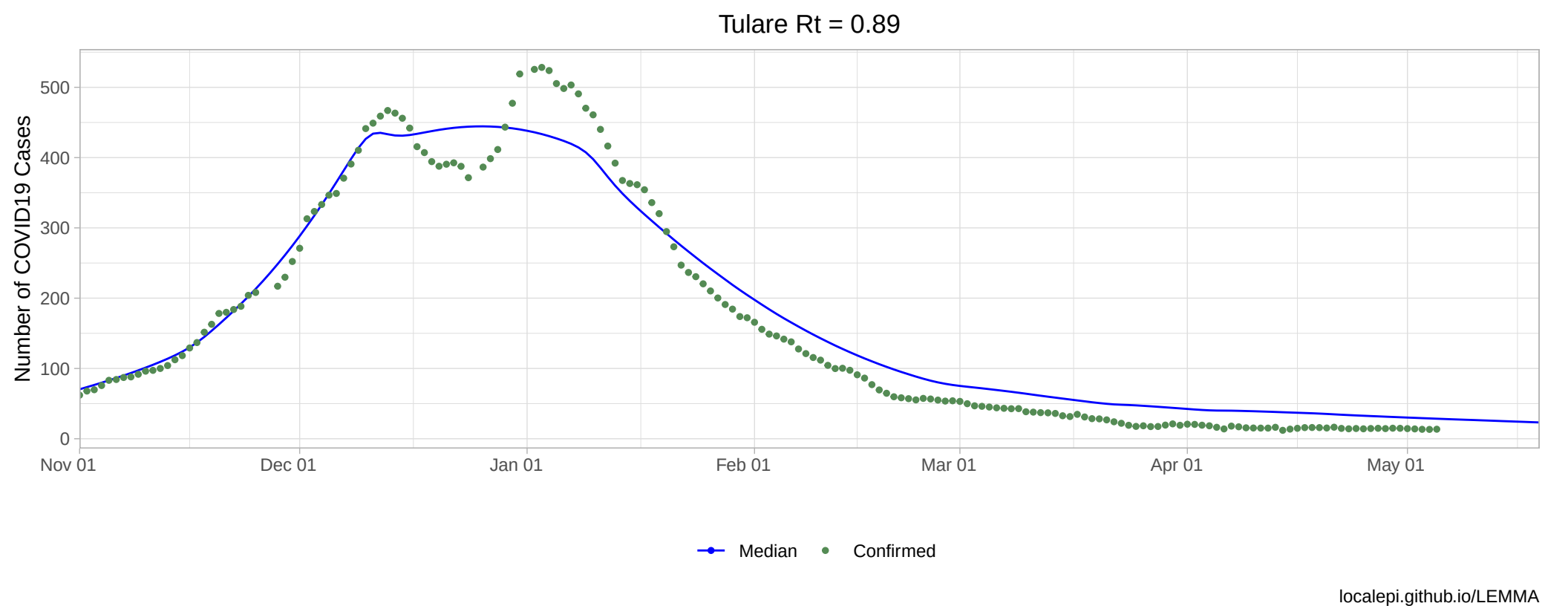

Stanislaus Rt = 0.94
Number of COVID19 Patients in Hospital
300
200
100
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

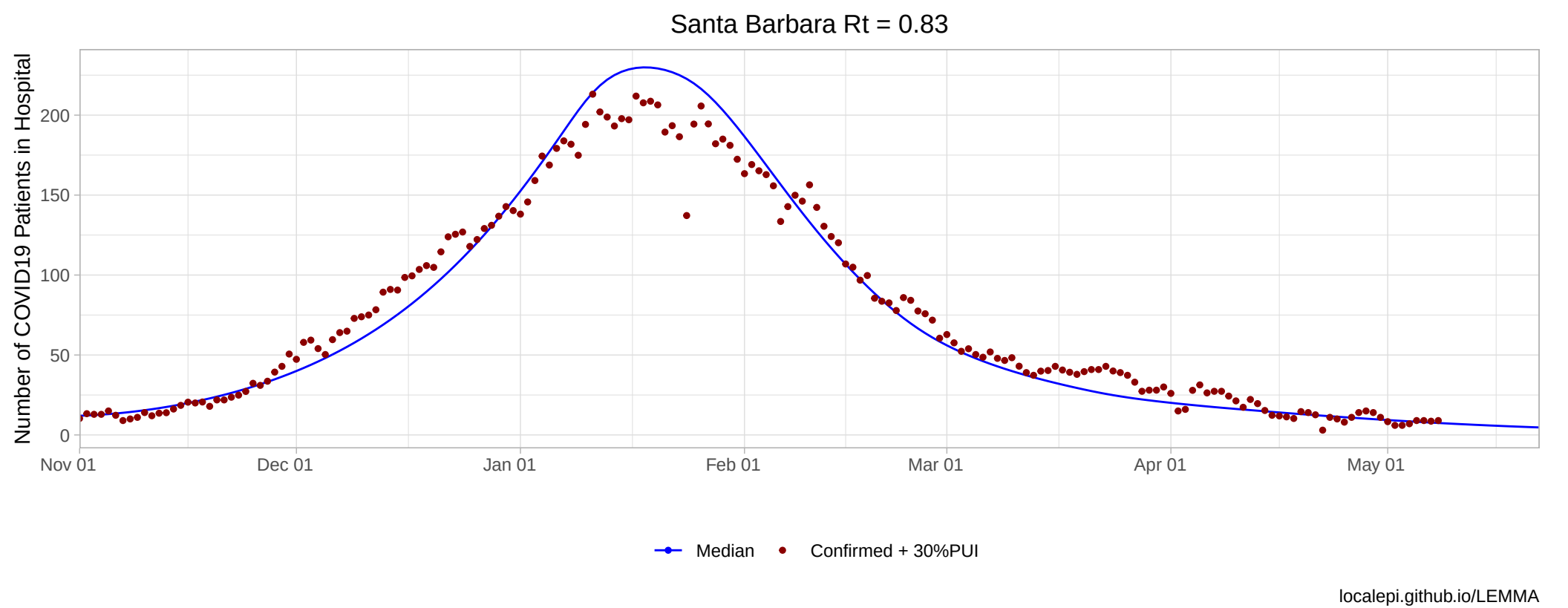

Stanislaus Rt = 0.94
Number of COVID19 Cases
500
400
300
200
100
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

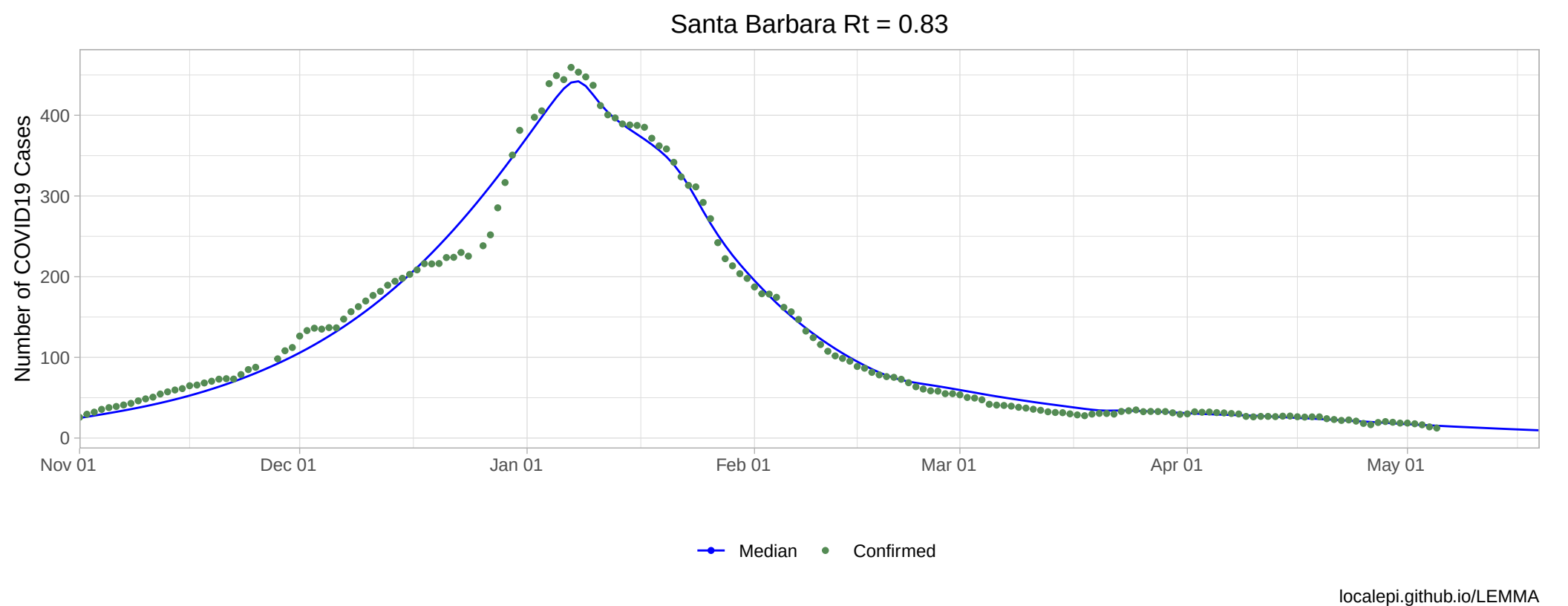

Sonoma Rt = 0.80
Number of COVID19 Patients in Hospital
0
30
60
90
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

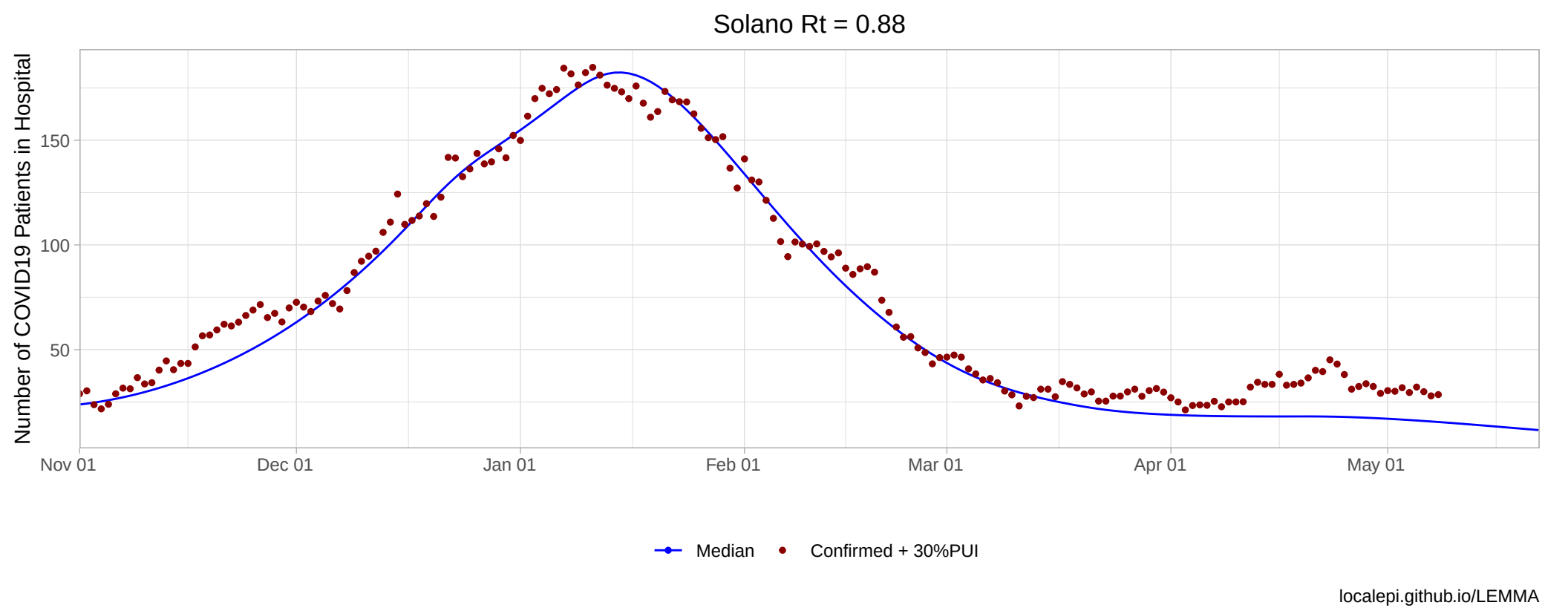

Sonoma Rt = 0.80
Number of COVID19 Cases
0
100
200
300
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

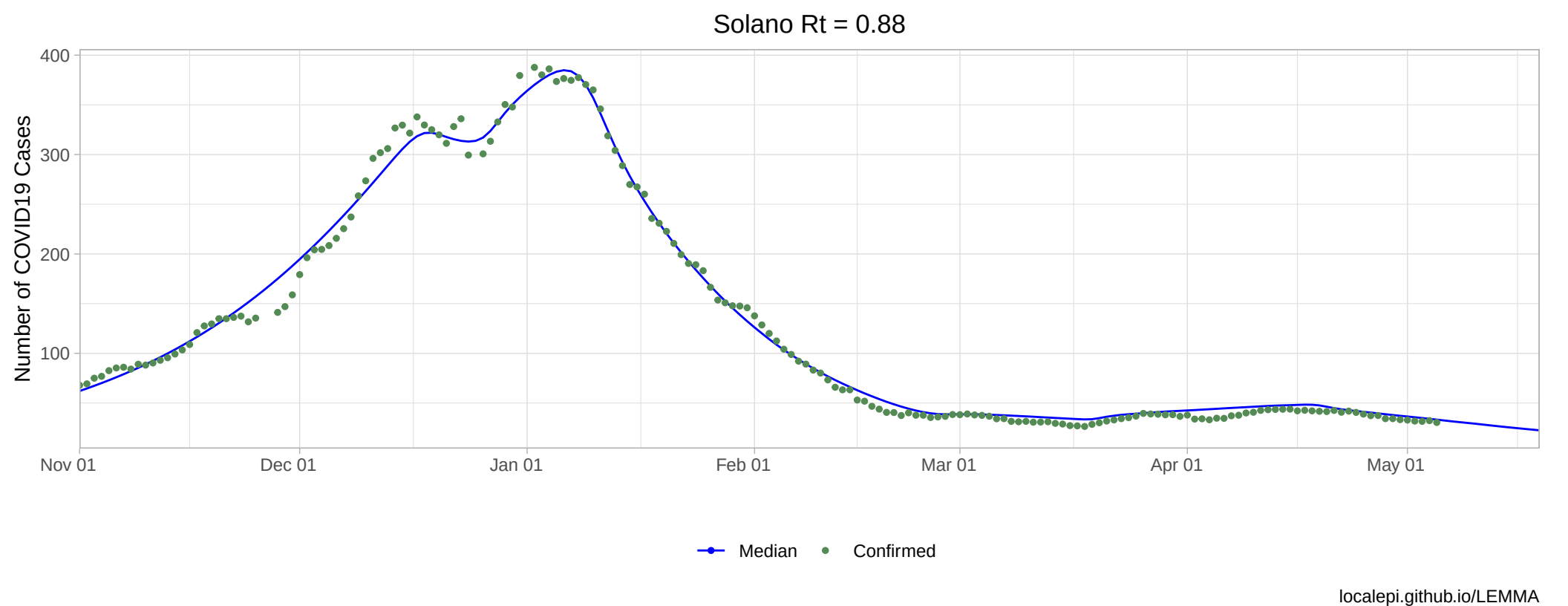

Tulare Rt = 0.89
Number of COVID19 Patients in Hospital
0
50
100
150
200
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

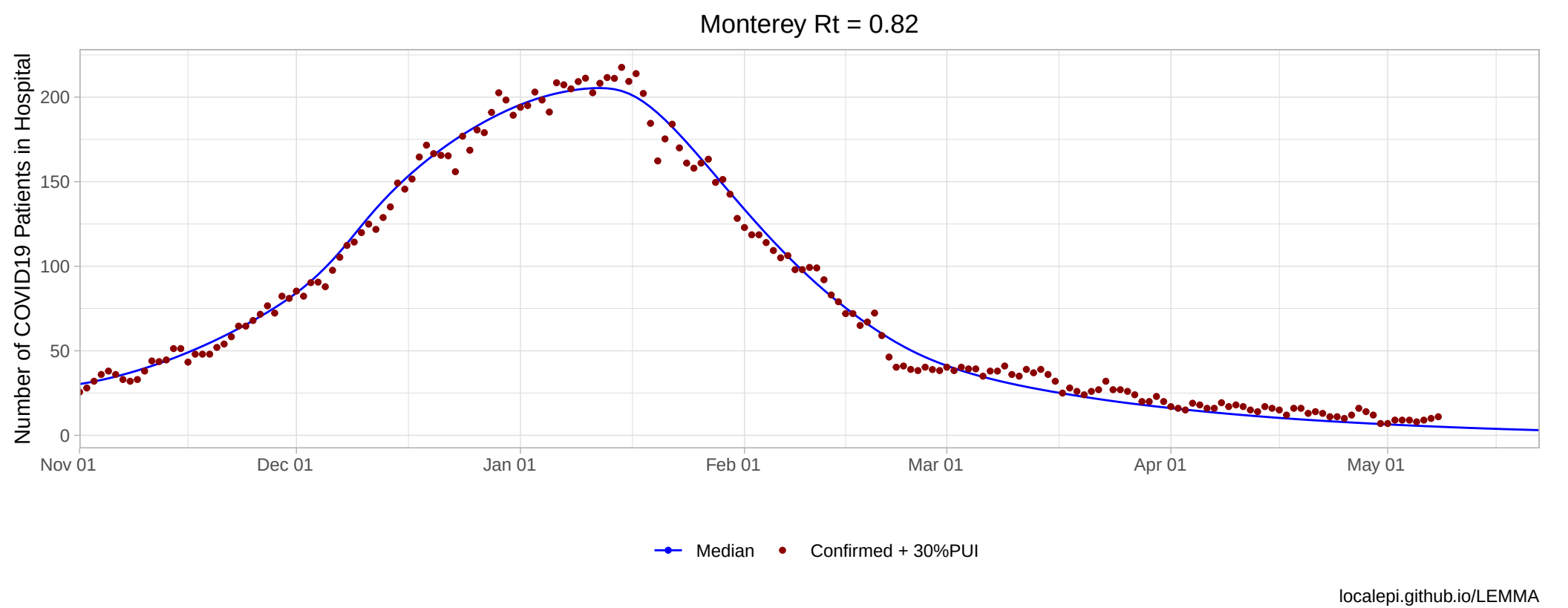

Tulare Rt = 0.89
Number of COVID19 Cases
0
100
200
300
400
500
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

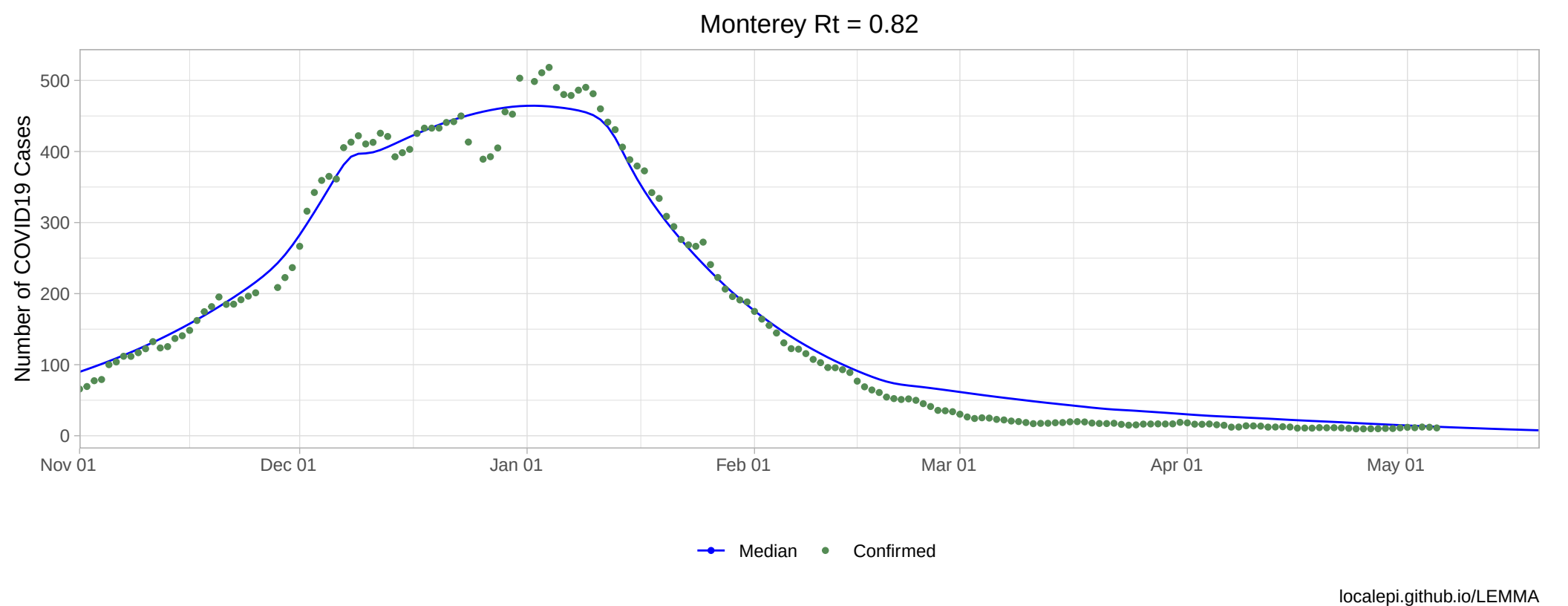

Santa Barbara Rt = 0.83
Number of COVID19 Patients in Hospital
0
50
100
150
200
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

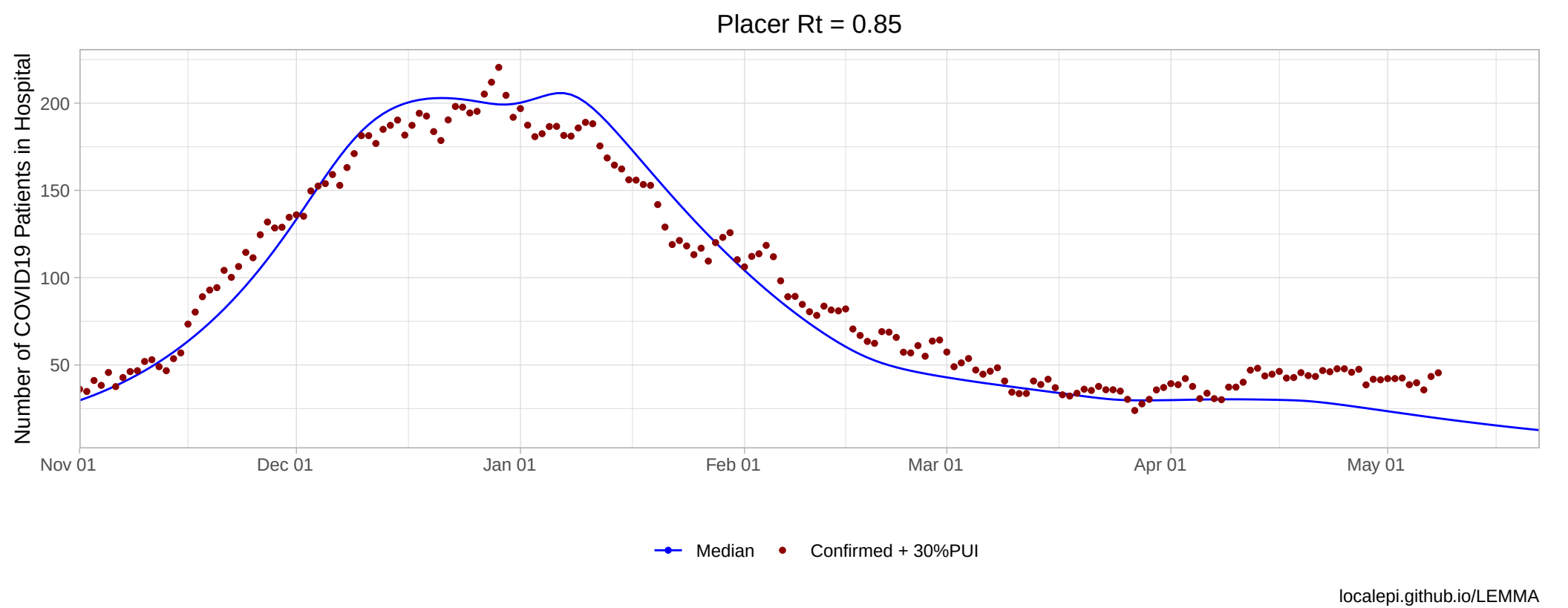

Santa Barbara Rt = 0.83
Number of COVID19 Cases
0
100
200
300
400
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA


Solano Rt = 0.88
Number of COVID19 Patients in Hospital
150
100
50
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

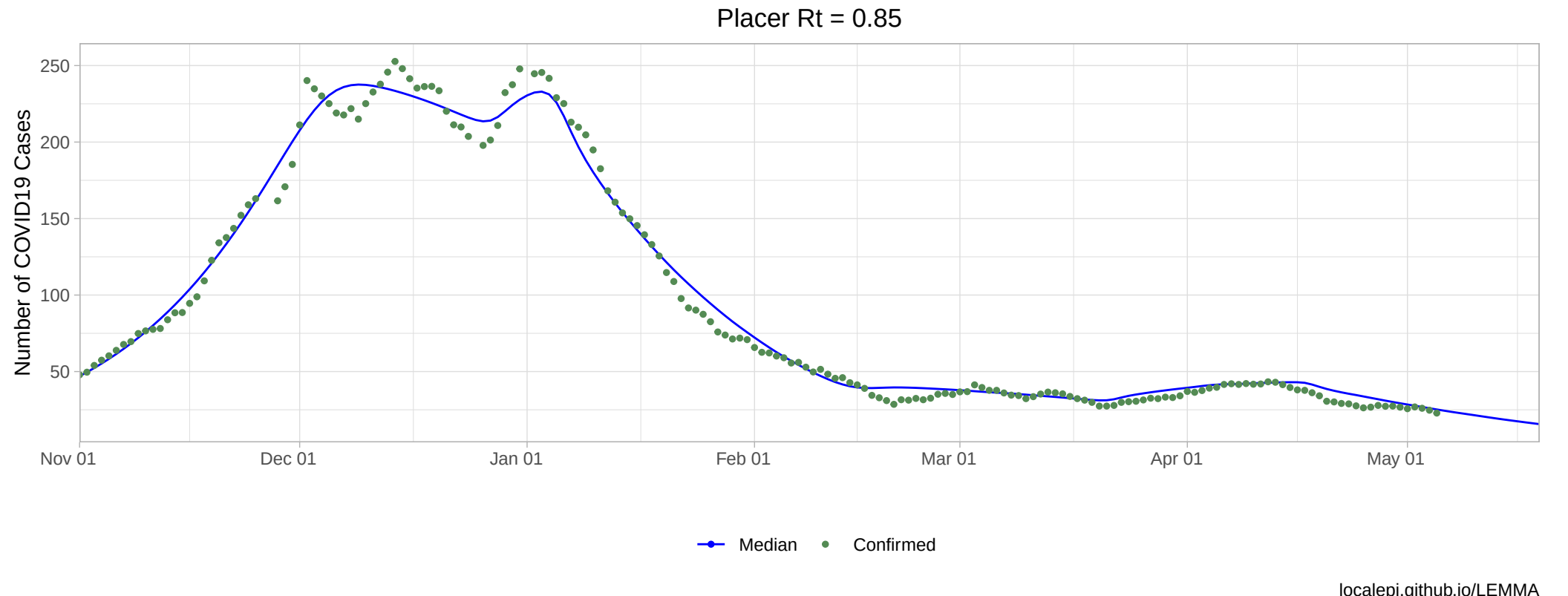

Solano Rt = 0.88
Number of COVID19 Cases
400
300
200
100
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA


Monterey Rt = 0.82
Number of COVID19 Patients in Hospital
0
50
100
150
200
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

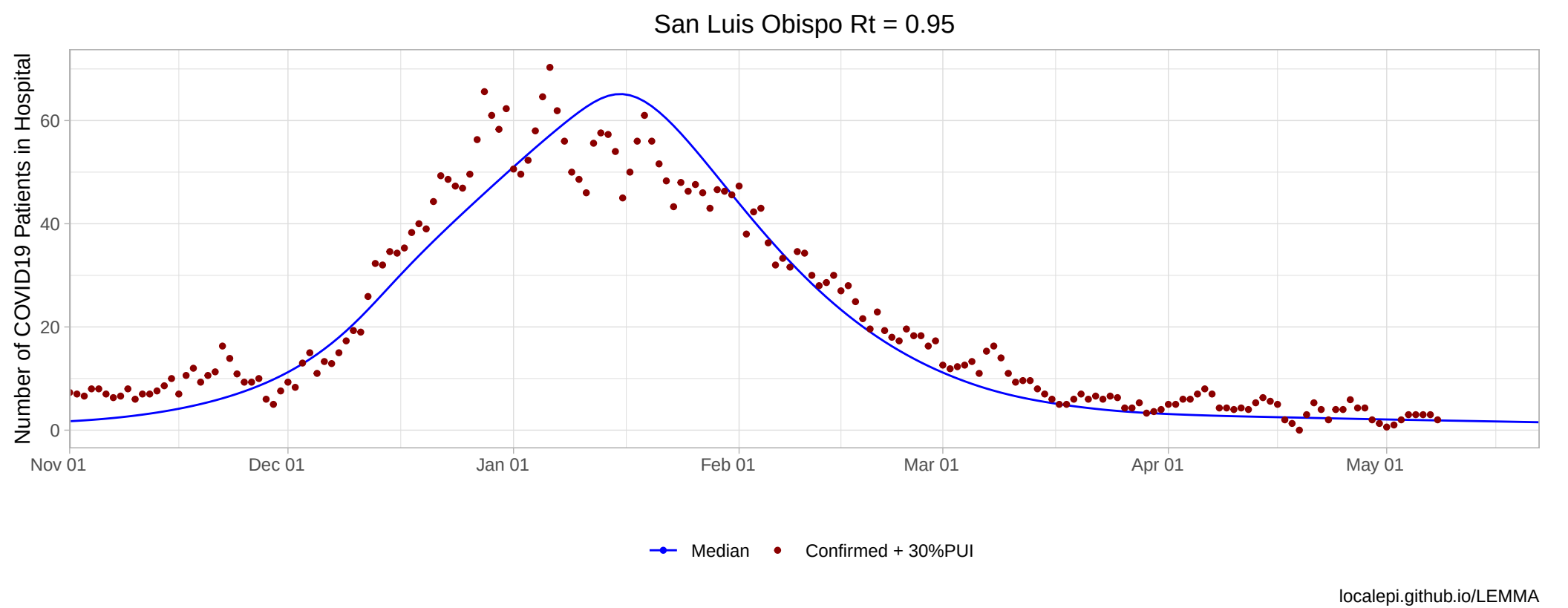

Monterey Rt = 0.82
Number of COVID19 Cases
0
100
200
300
400
500
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

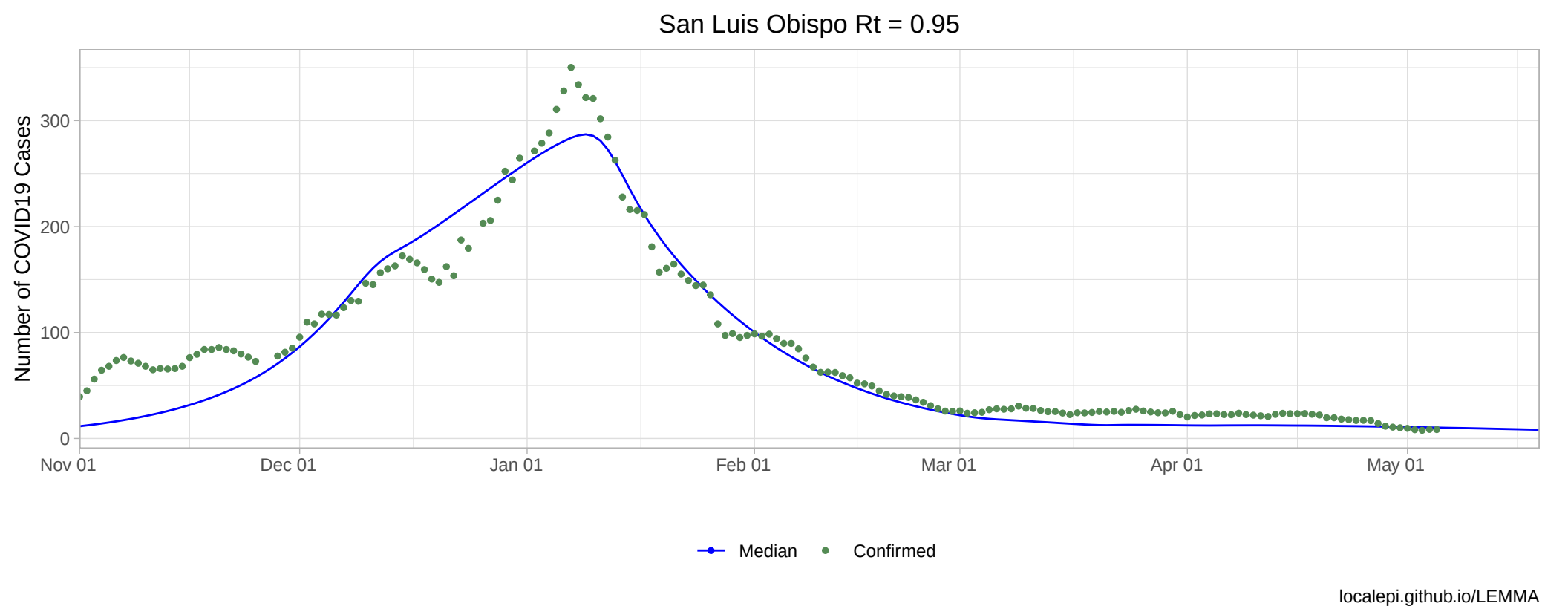


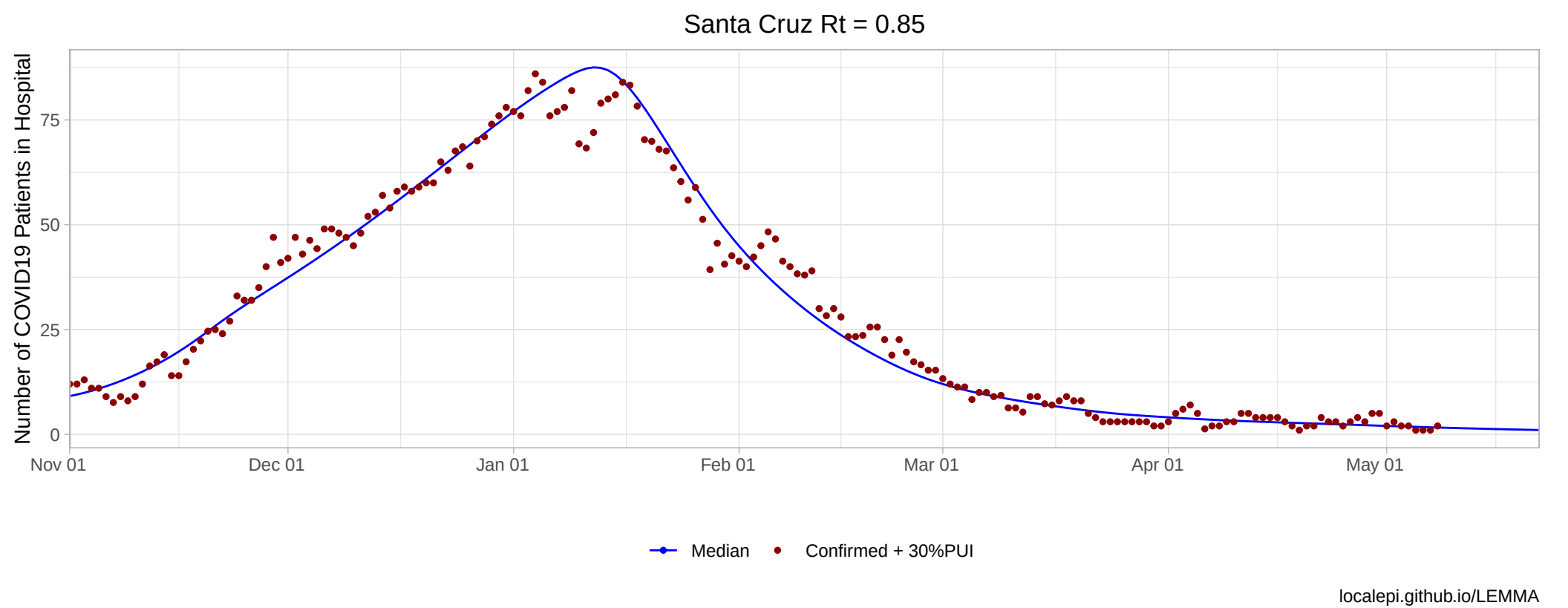
localepi.github.io/LEMMA

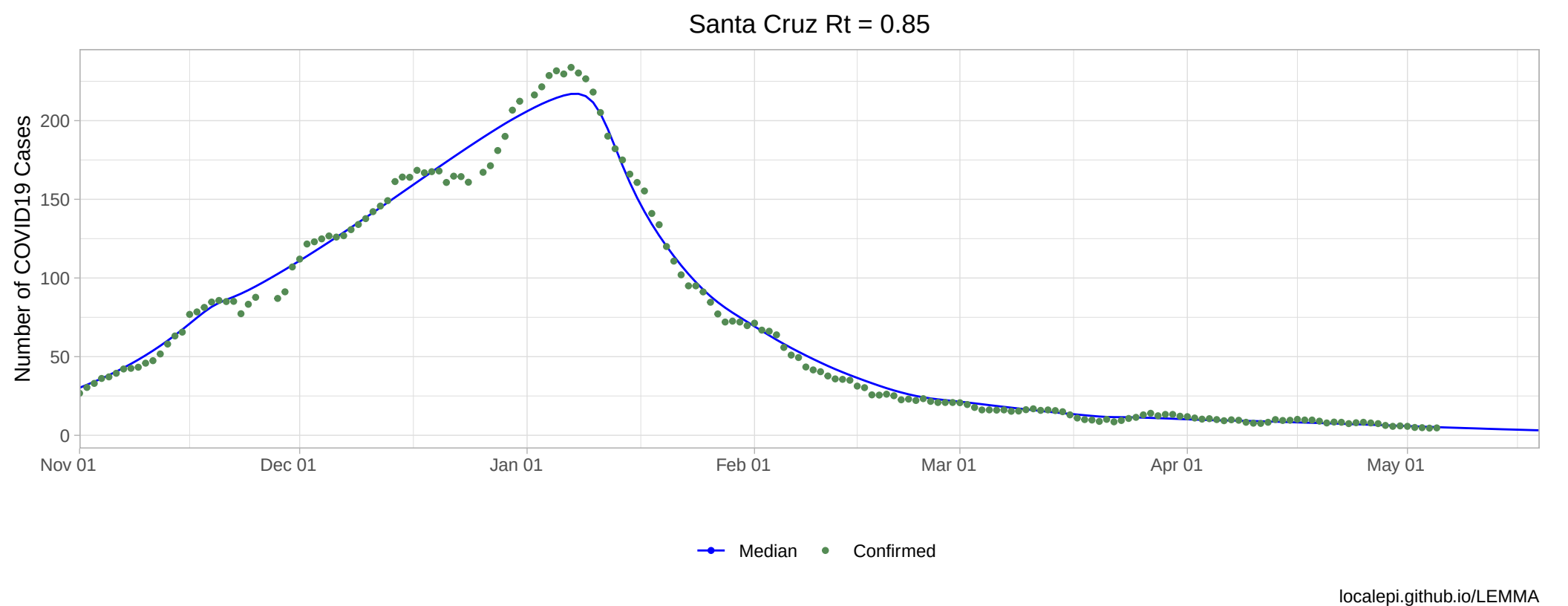


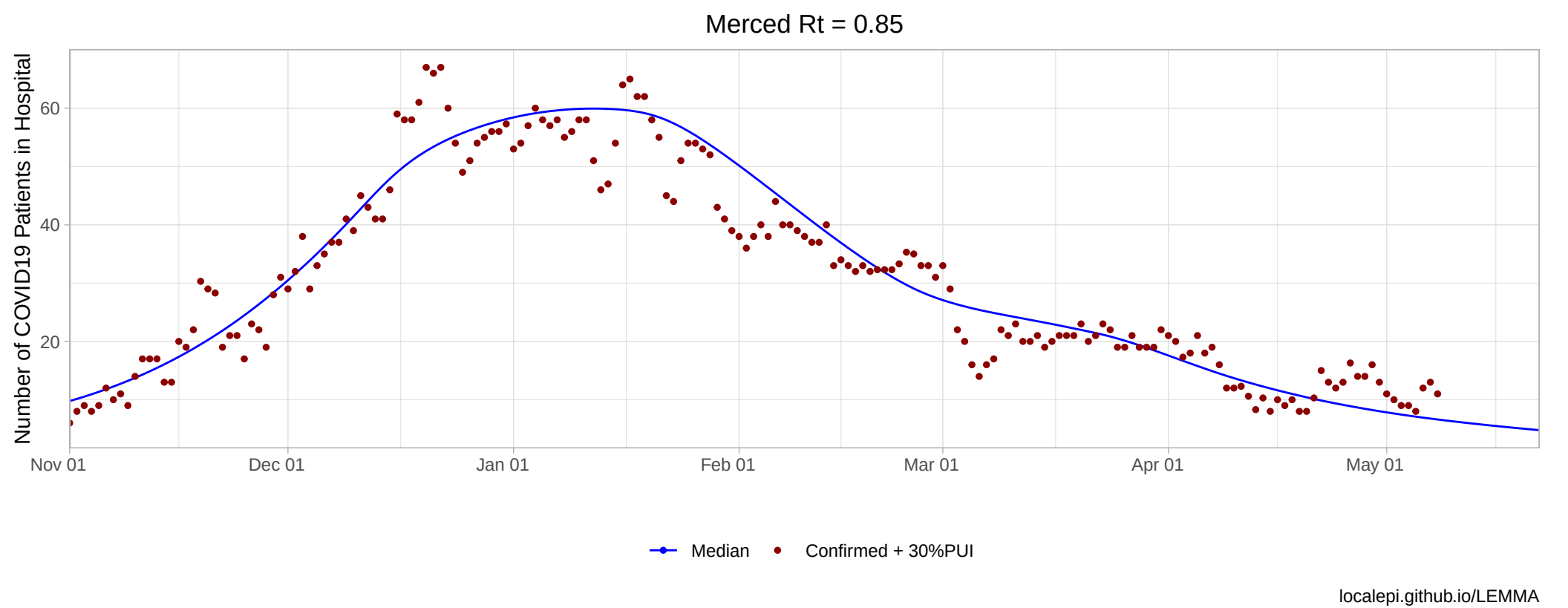
localepi.github.io/LEMMA


San Luis Obispo Rt = 0.95
Number of COVID19 Patients in Hospital
0
20
40
60
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

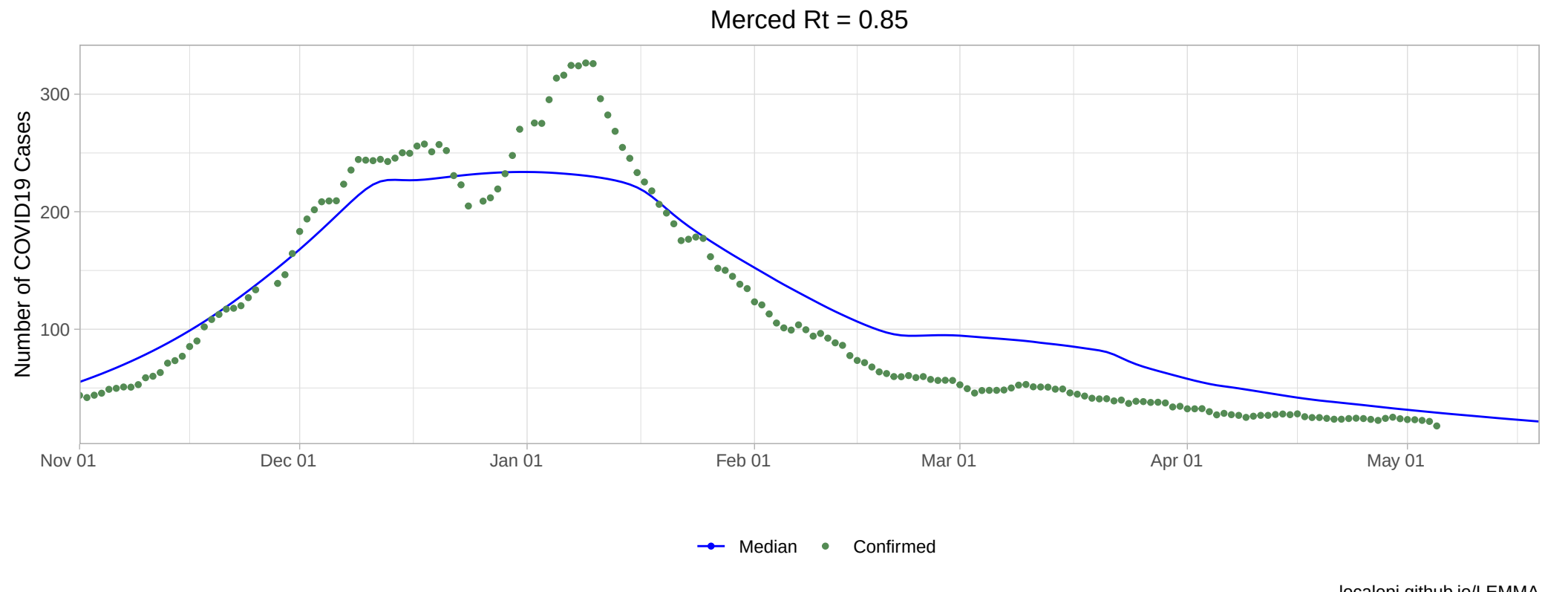

San Luis Obispo Rt = 0.95
Number of COVID19 Cases
0
100
200
300
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA


Santa Cruz Rt = 0.85
Number of COVID19 Patients in Hospital
75
50
25
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

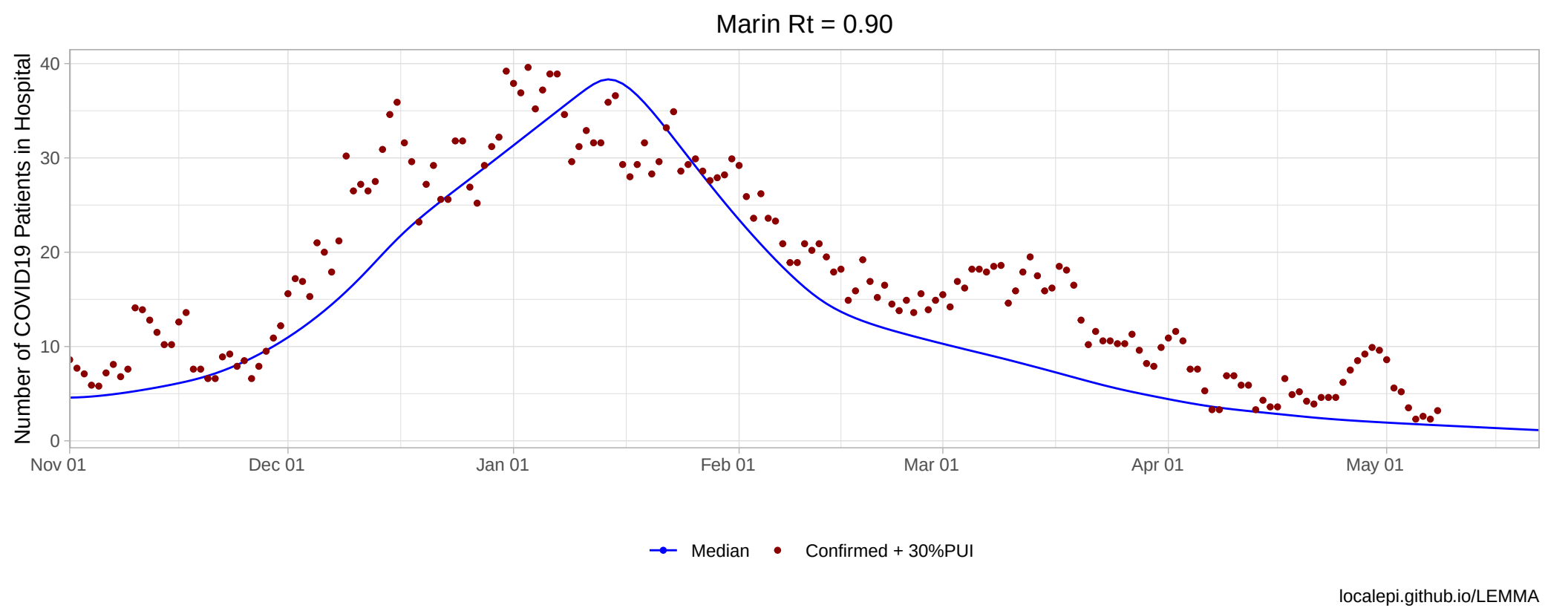

Santa Cruz Rt = 0.85
Number of COVID19 Cases
200
150
100
50
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

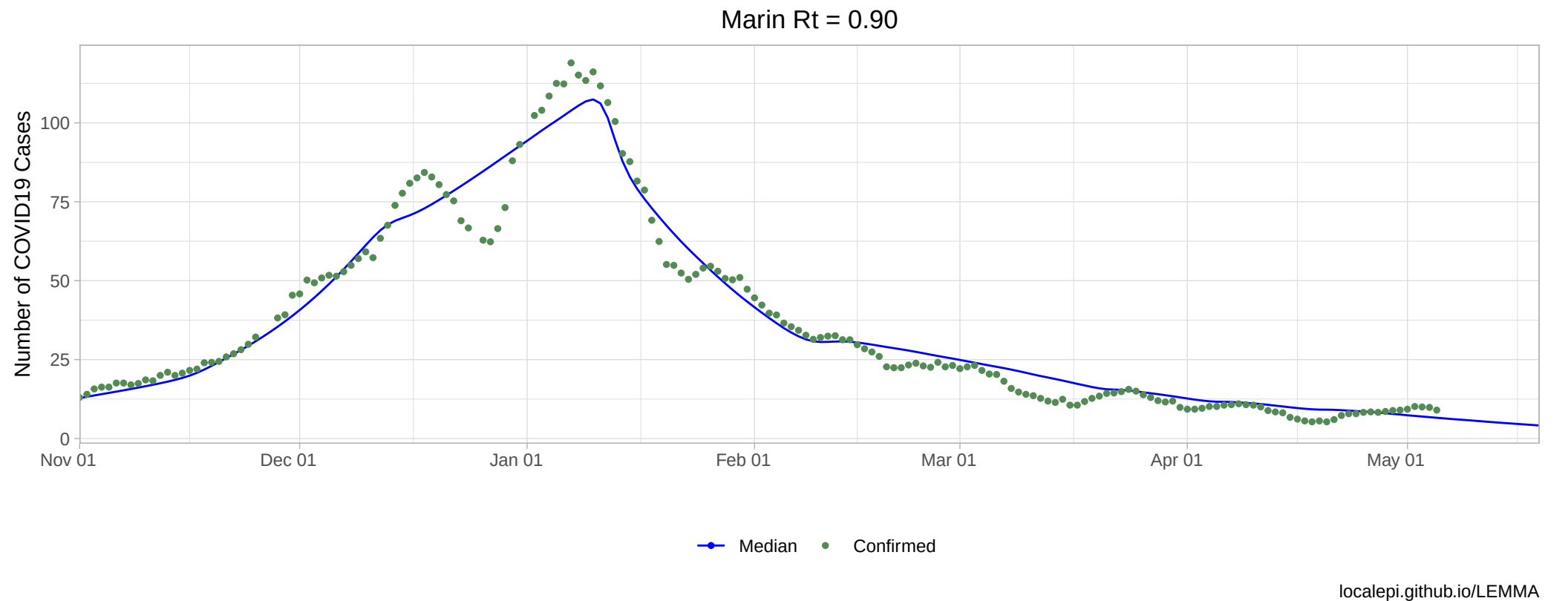


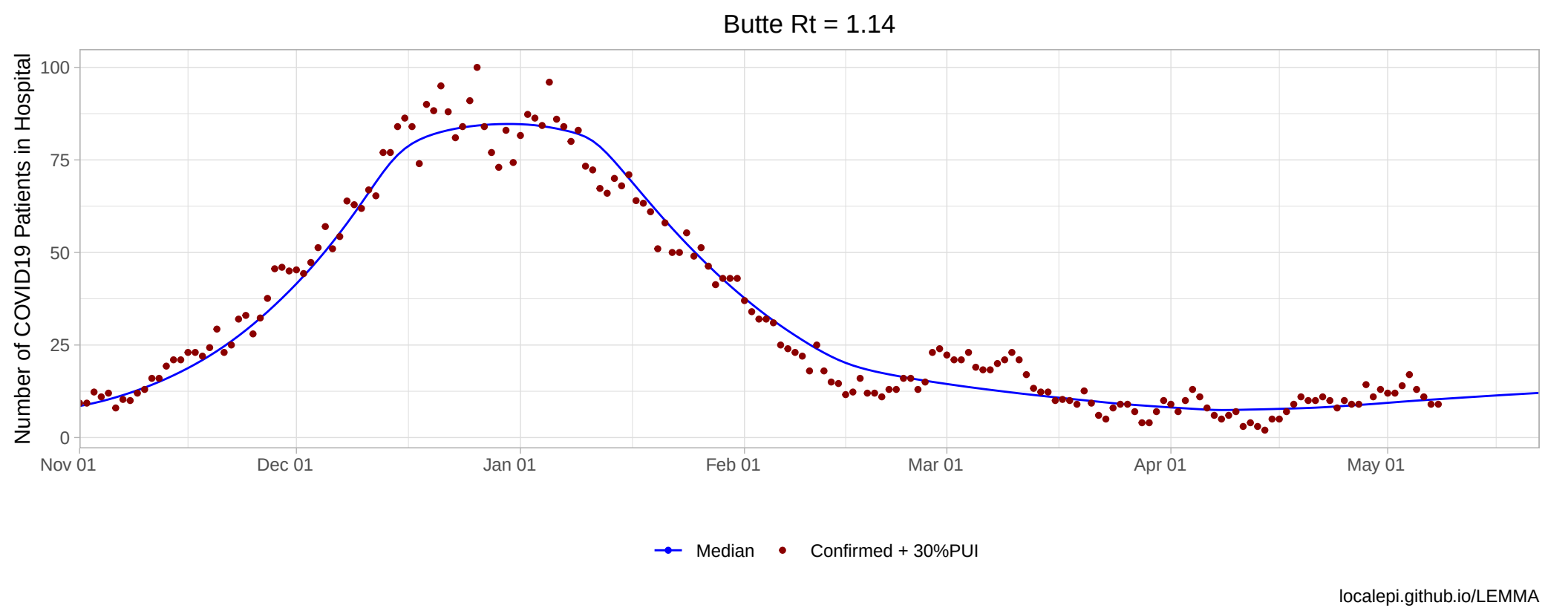
localepi.github.io/LEMMA

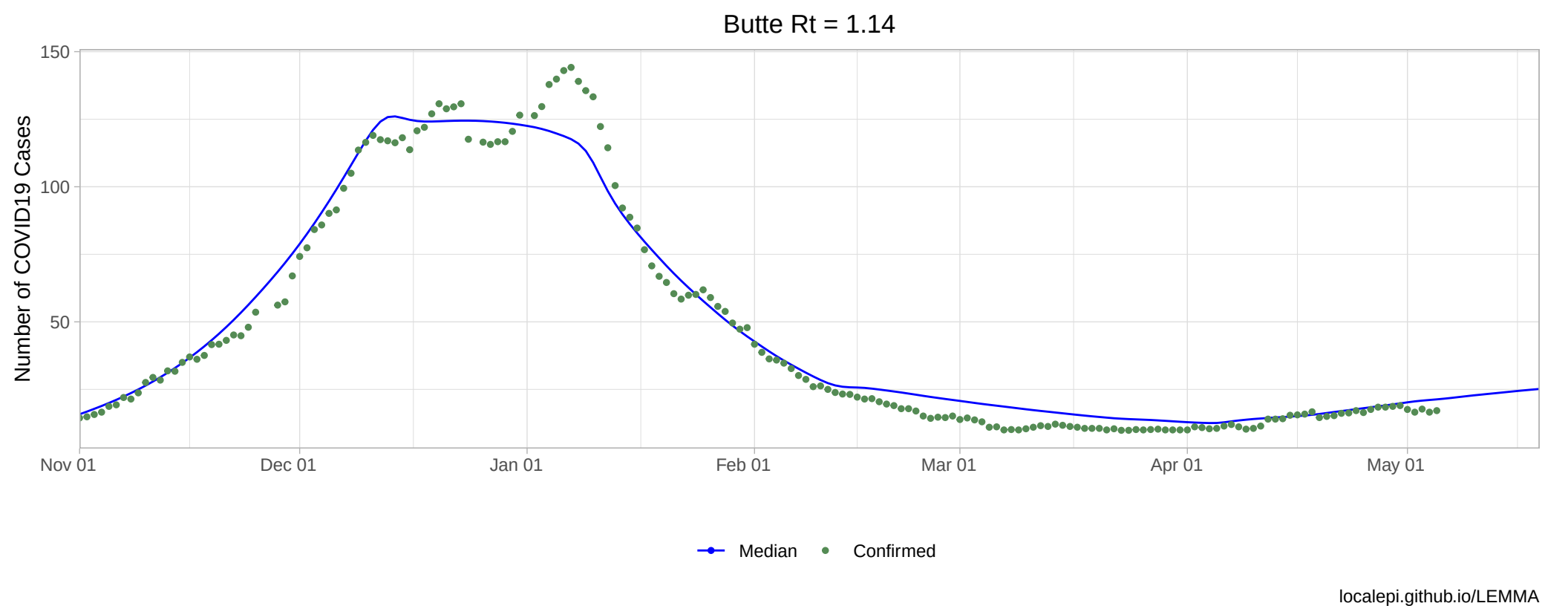


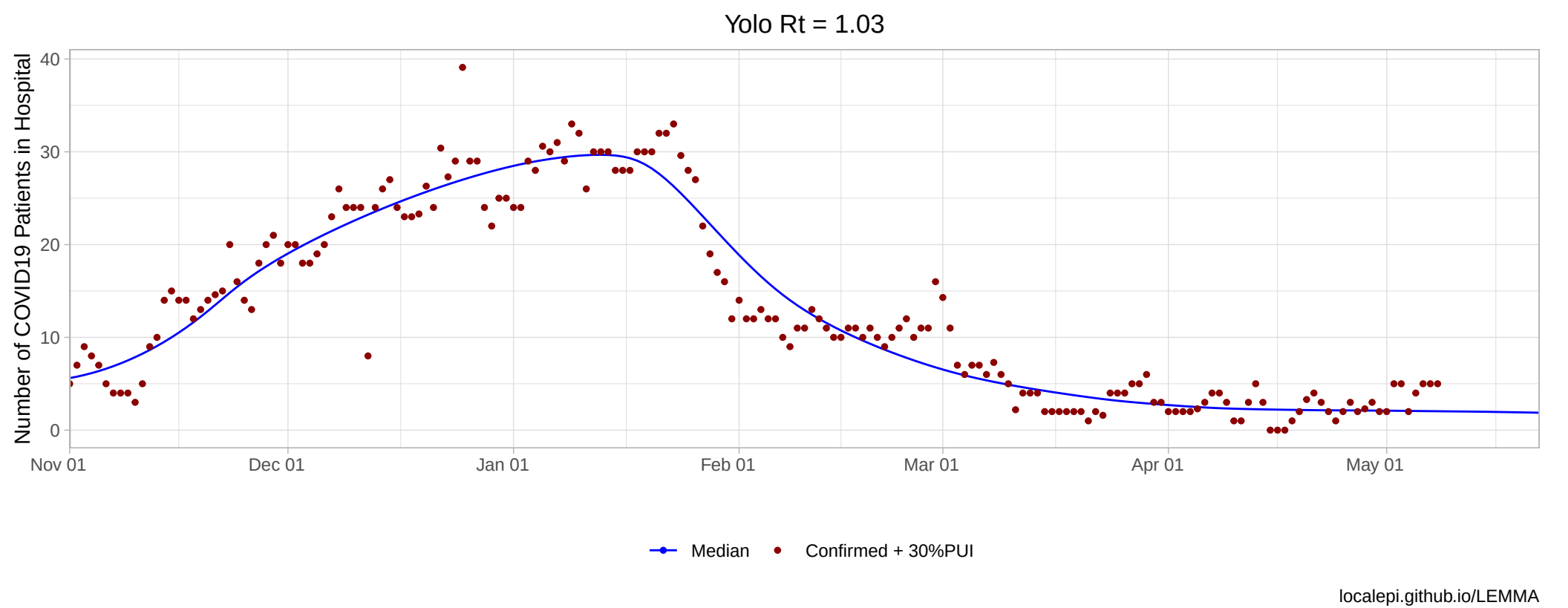
localepi.github.io/LEMMA

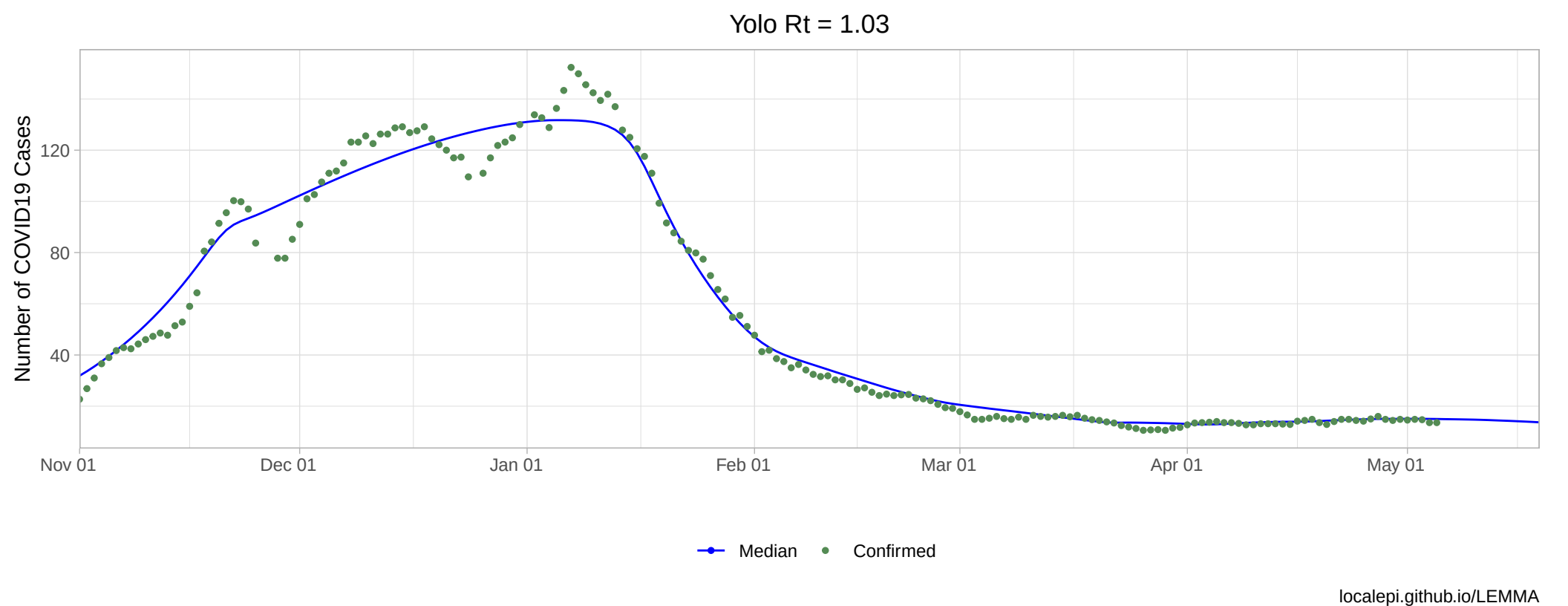

Marin Rt = 0.90
Number of COVID19 Patients in Hospital
0
10
20
30
40
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

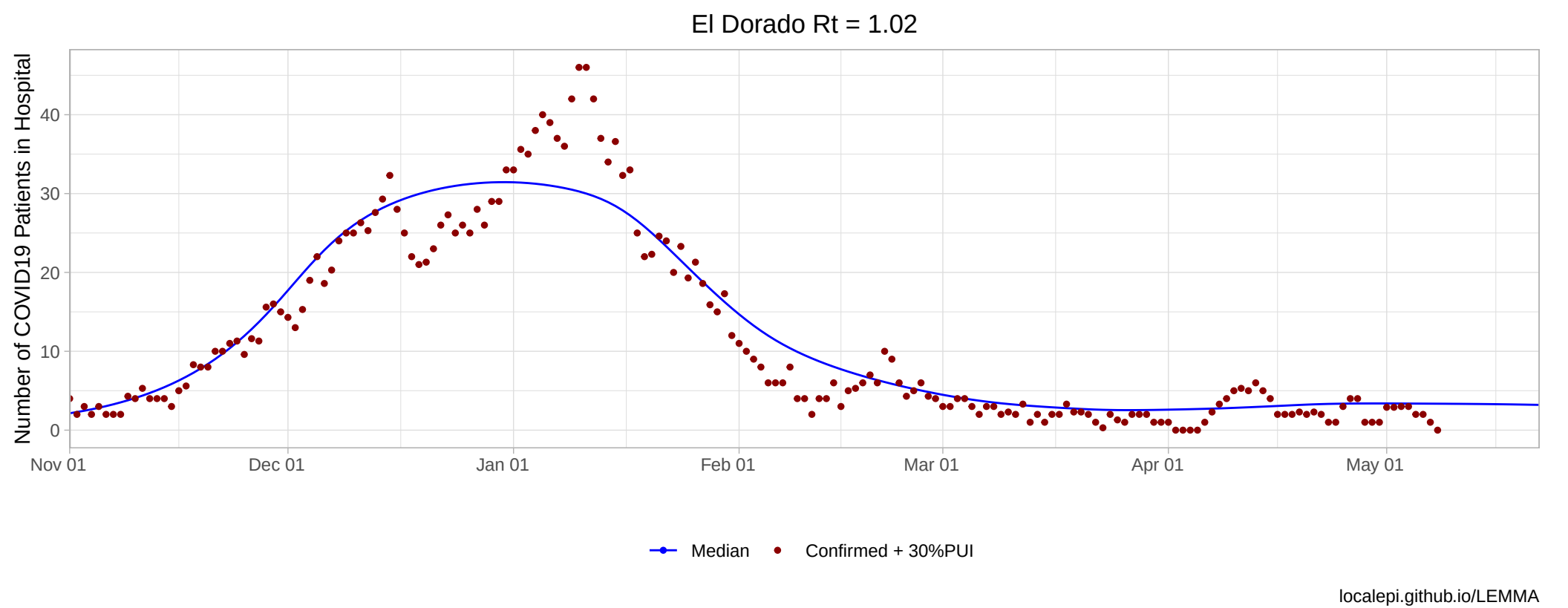

Marin Rt = 0.90
Number of COVID19 Cases
0
25
50
75
100
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

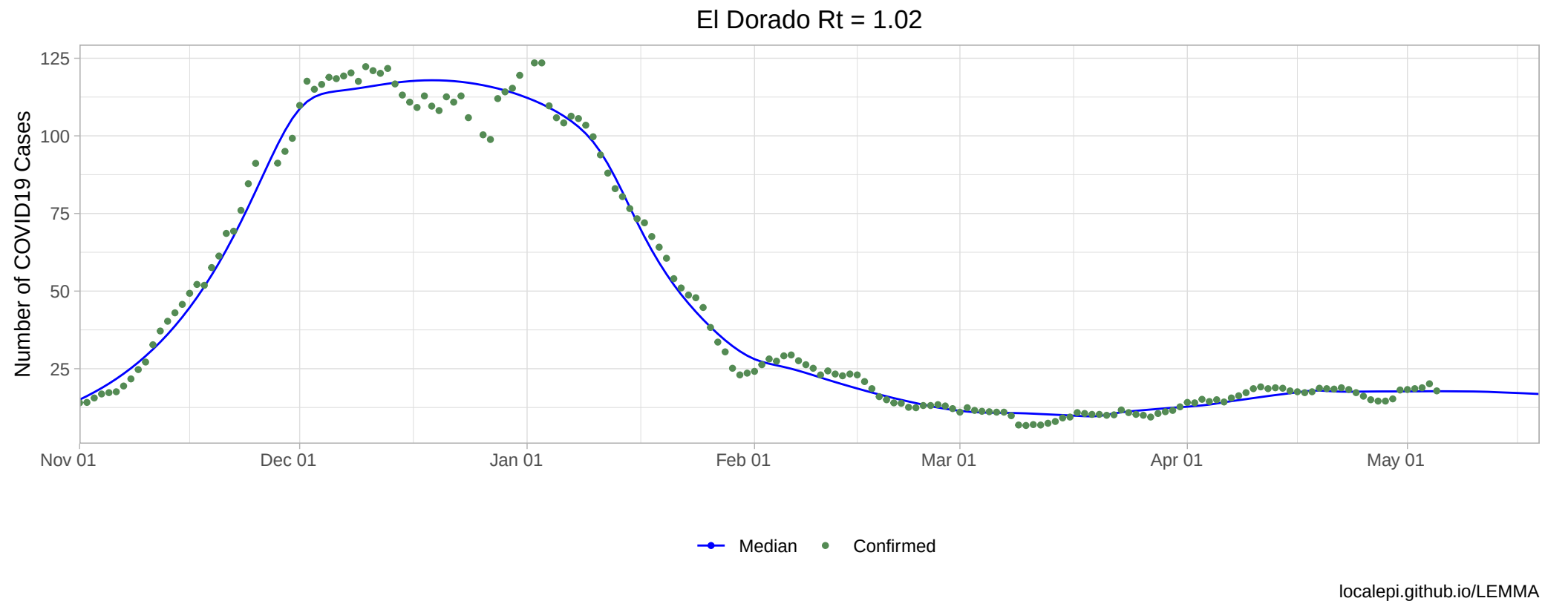

Butte Rt = 1.14
Number of COVID19 Patients in Hospital
100
75
50
25
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

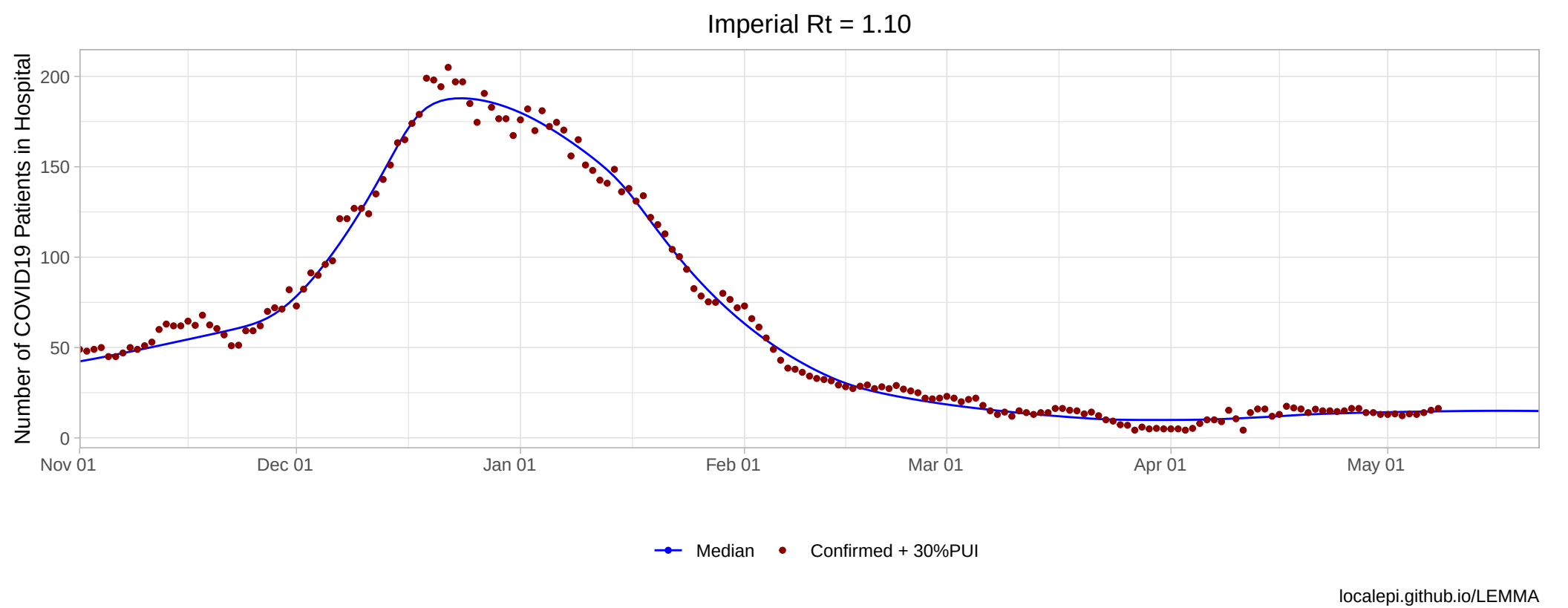

Butte Rt = 1.14
Number of COVID19 Cases
150
100
50
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

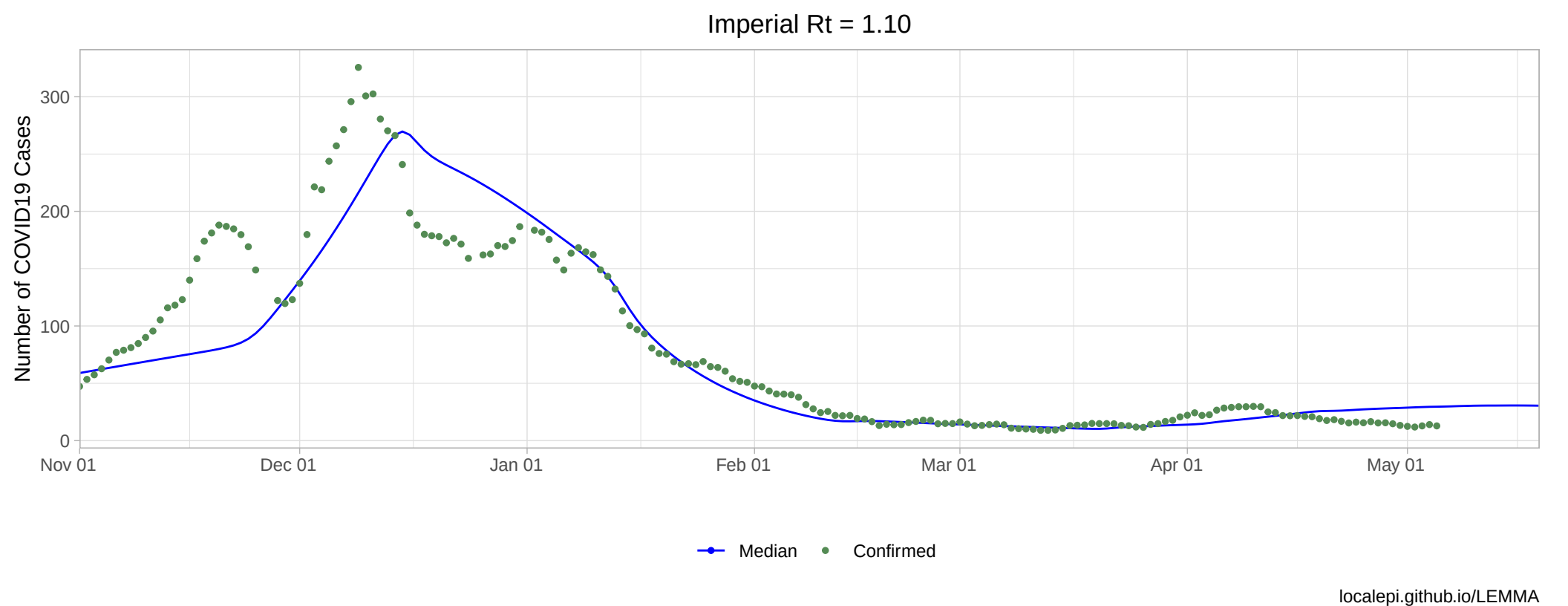

Yolo Rt = 1.03
Number of COVID19 Patients in Hospital
40
30
20
10
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

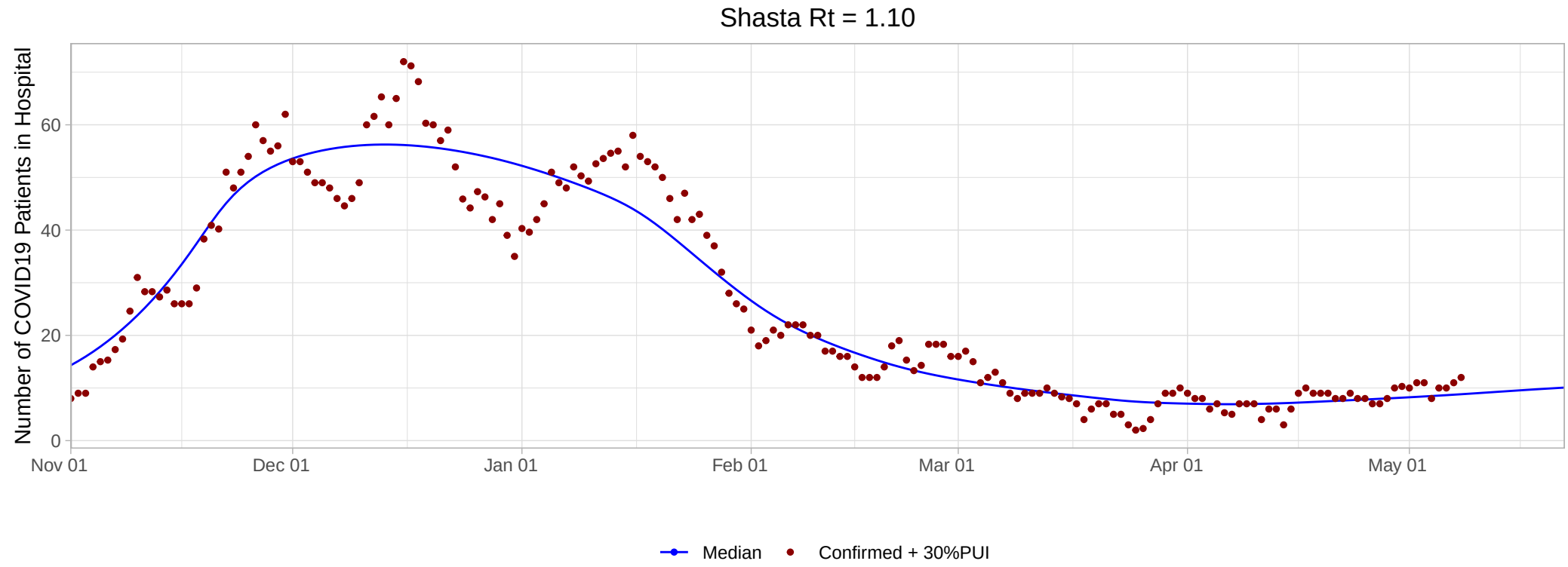

Yolo Rt = 1.03
Number of COVID19 Cases
120
80
40
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

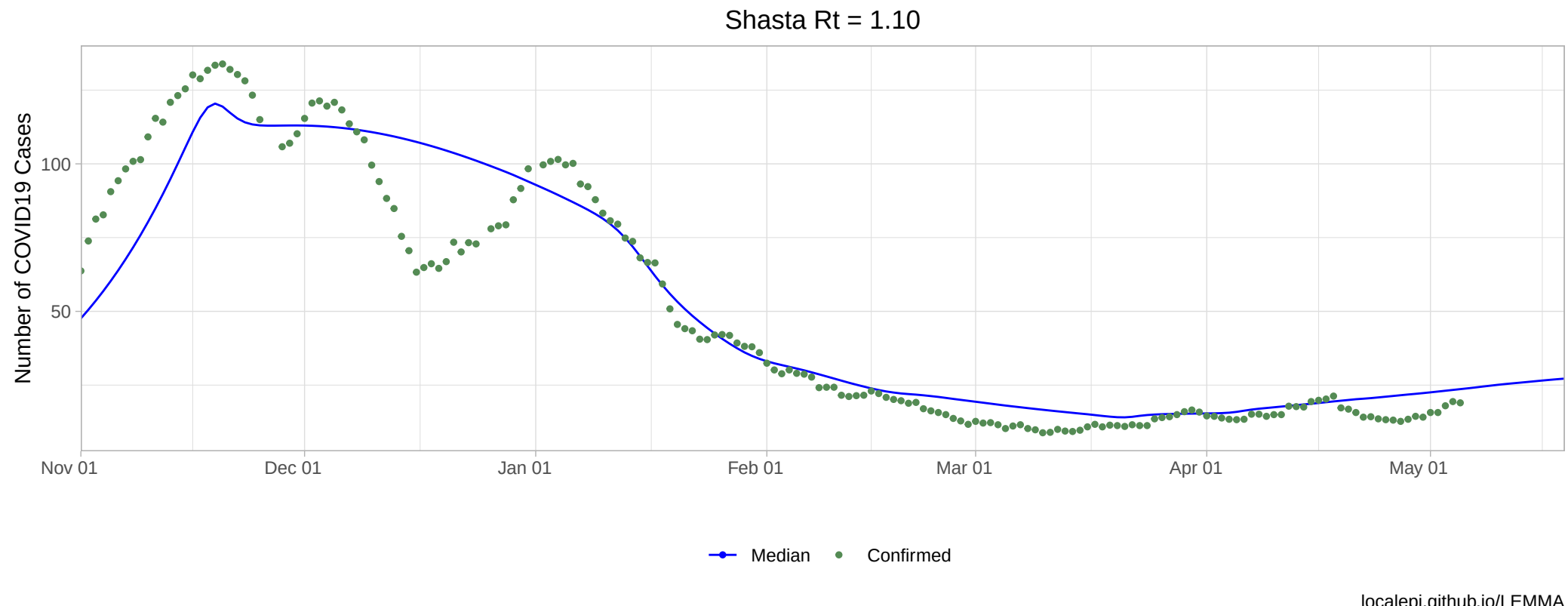

El Dorado Rt = 1.02
Number of COVID19 Patients in Hospital
0
10
20
30
40
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

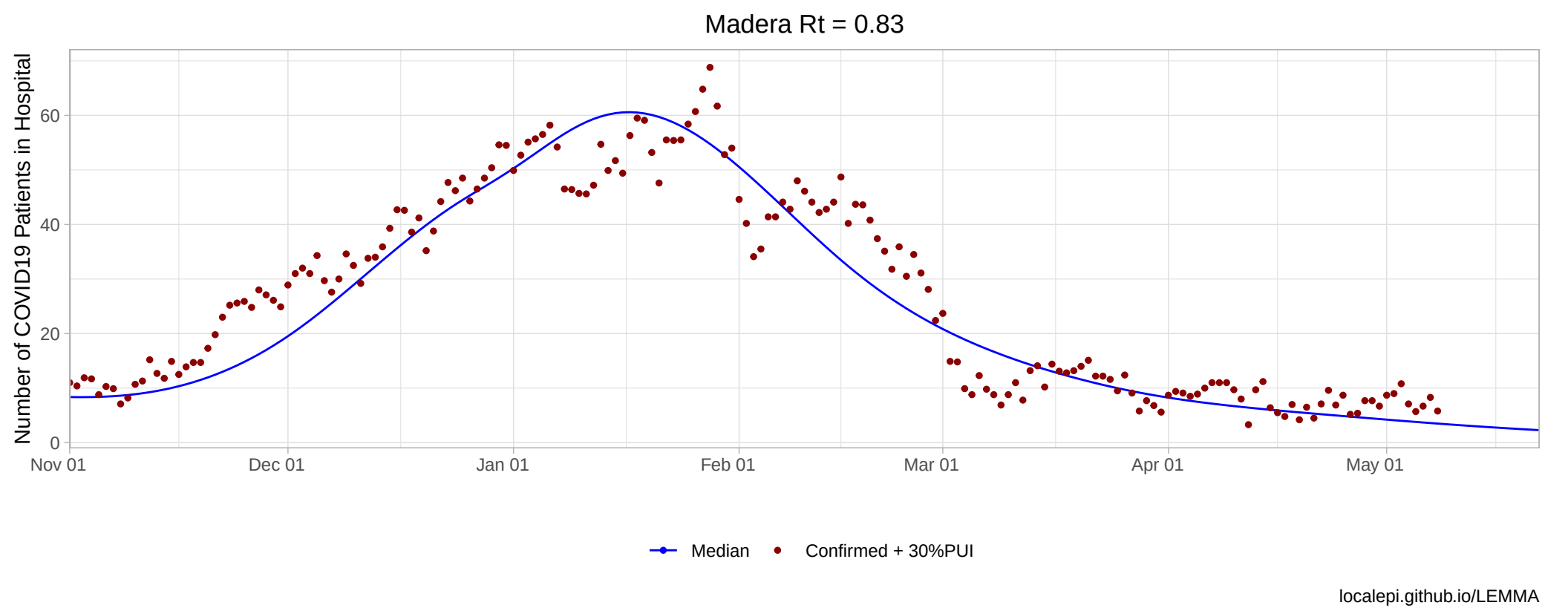

El Dorado Rt = 1.02
Number of COVID19 Cases
25
50
75
100
125
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA


Imperial Rt = 1.10
Number of COVID19 Patients in Hospital
200
150
100
50
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

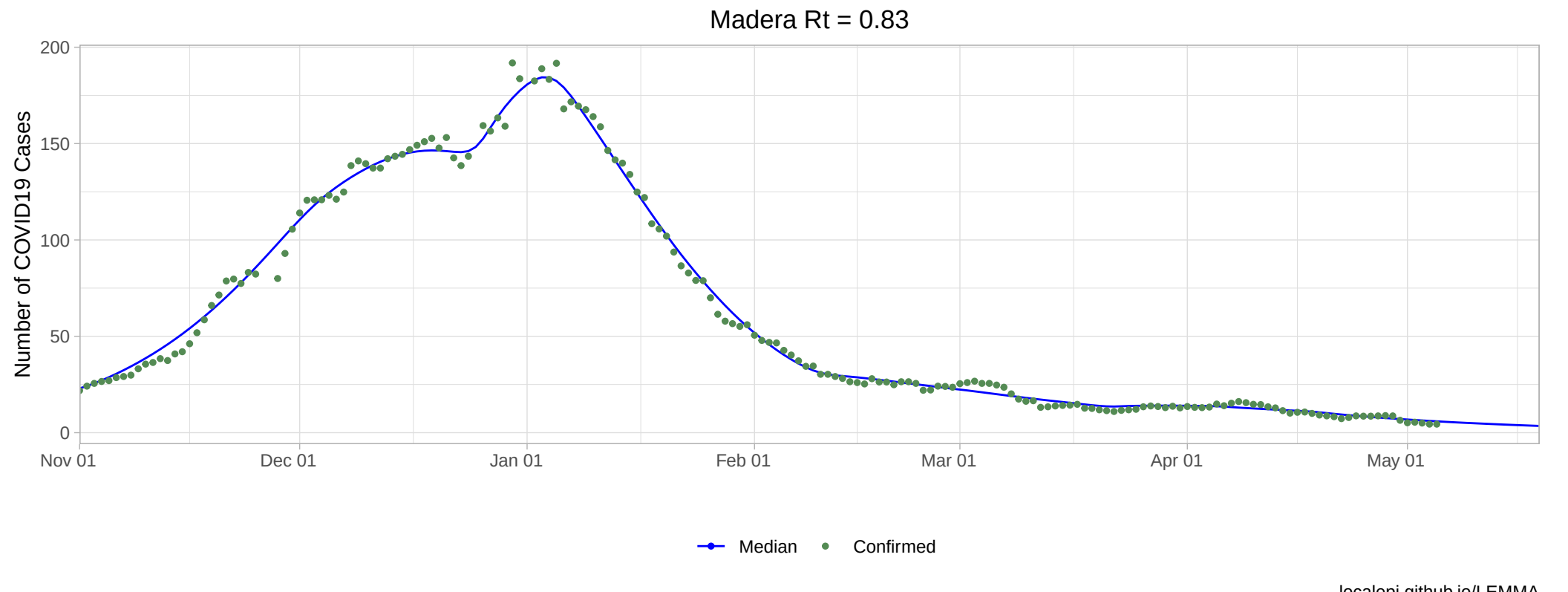

Imperial Rt = 1.10
Number of COVID19 Cases
300
200
100
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA


Shasta Rt = 1.10
Number of COVID19 Patients in Hospital
0
20
40
60
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

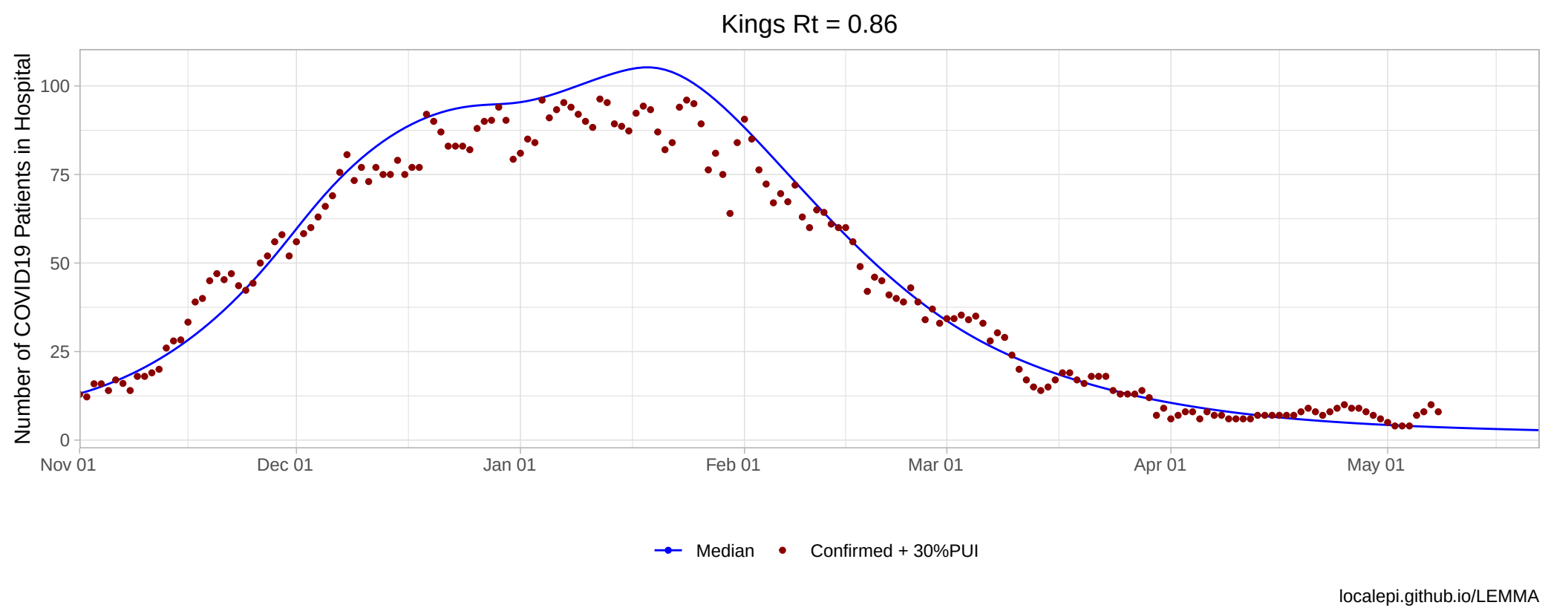

Shasta Rt = 1.10
Number of COVID19 Cases
50
100
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA



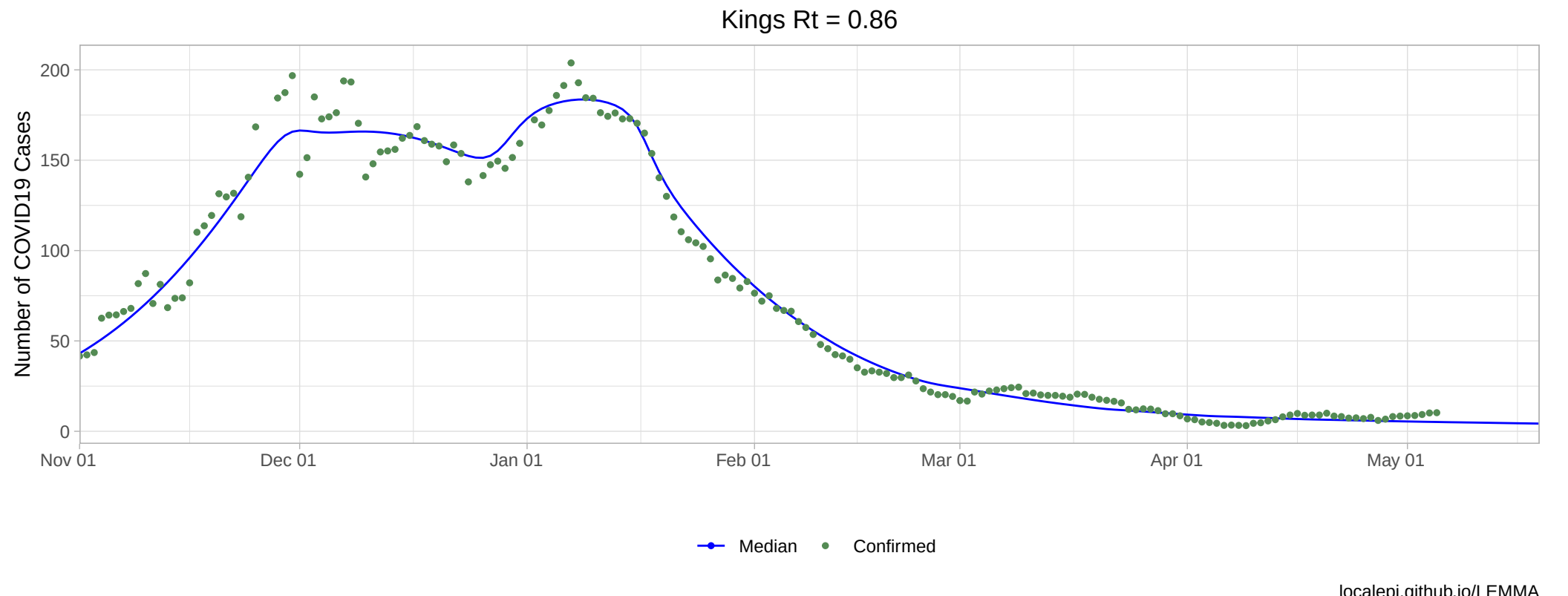
localepi.github.io/LEMMA



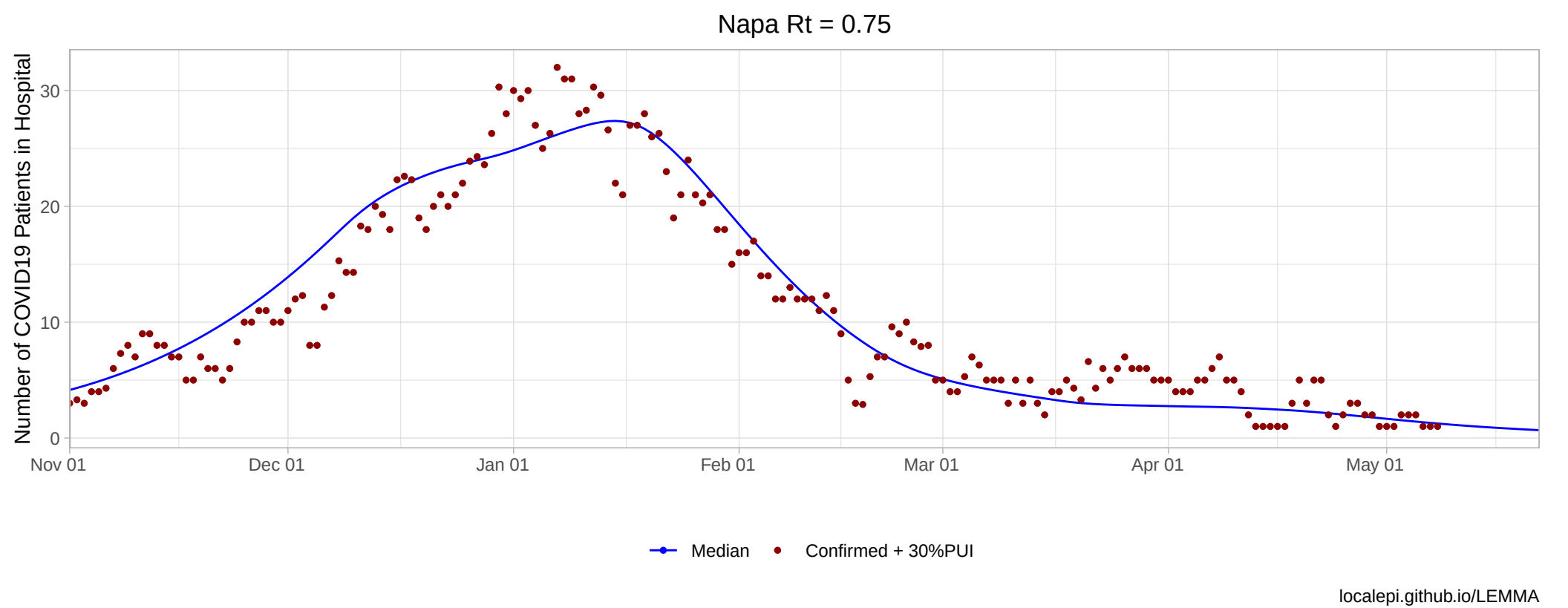
localepi.github.io/LEMMA



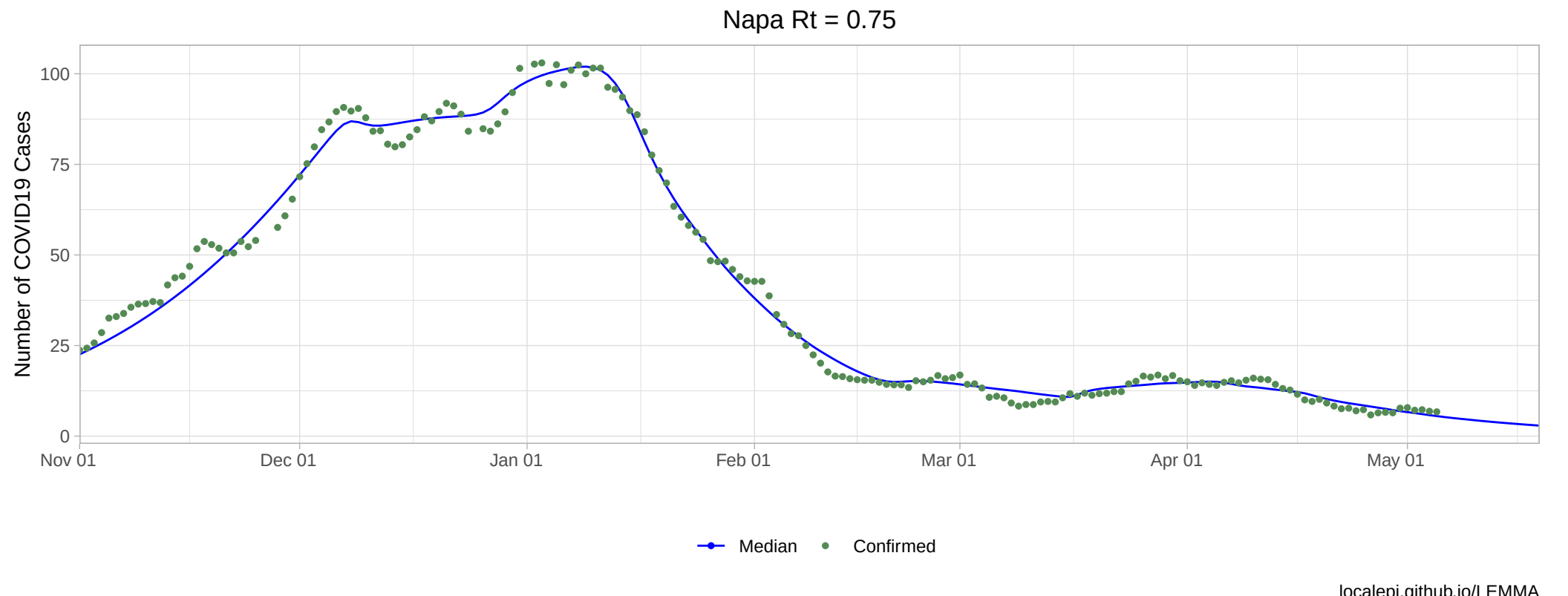
localepi.github.io/LEMMA



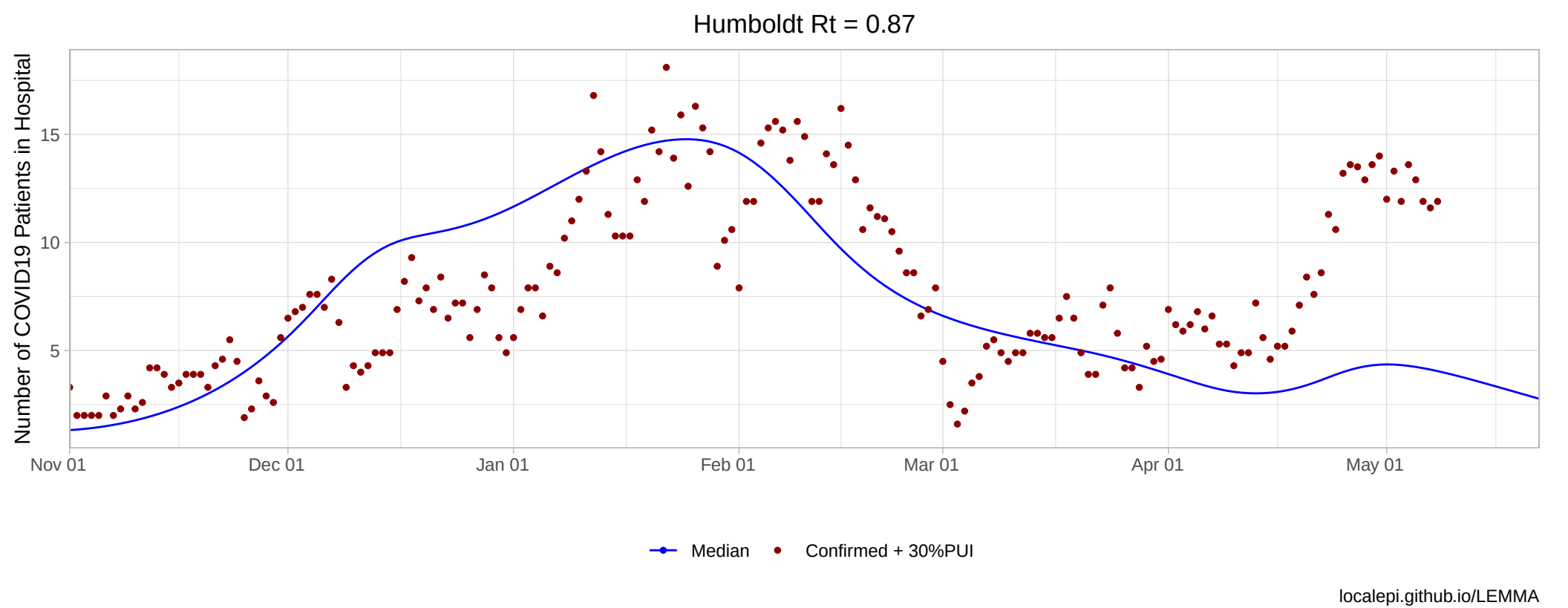
localepi.github.io/LEMMA

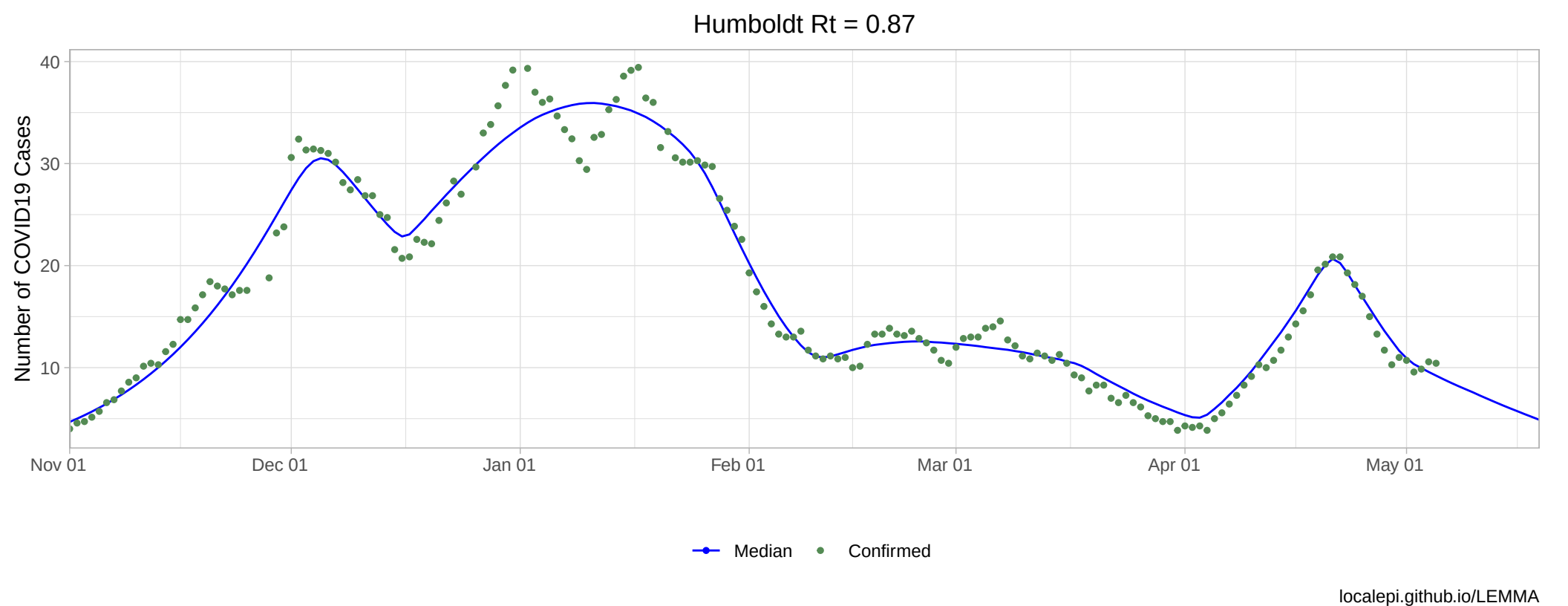


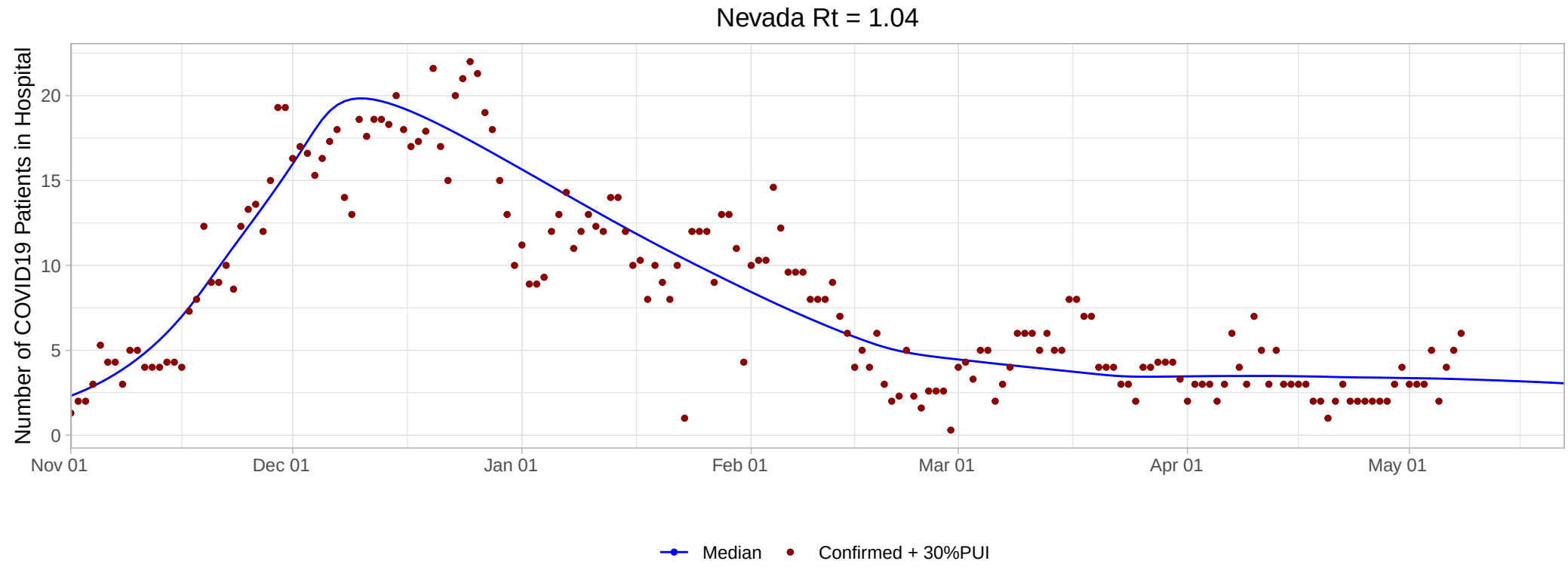
localepi.github.io/LEMMA



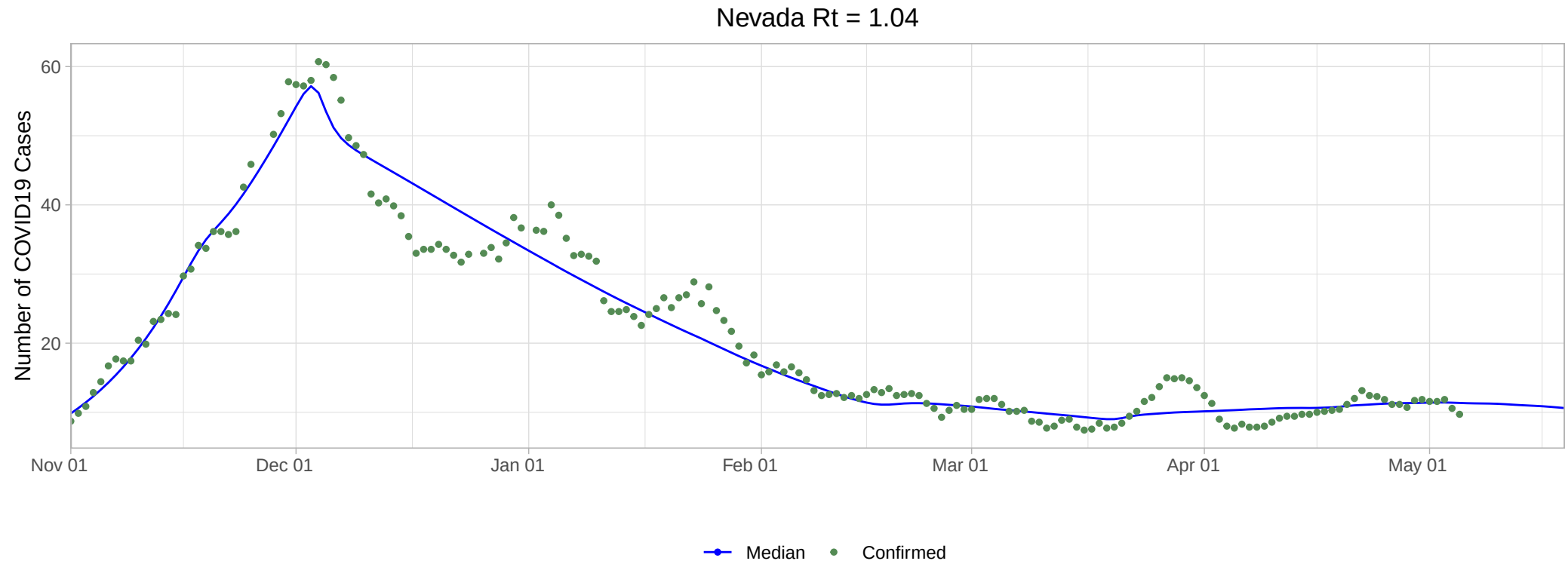
localepi.github.io/LEMMA


Humboldt Rt = 0.87
Number of COVID19 Patients in Hospital
15
10
5
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

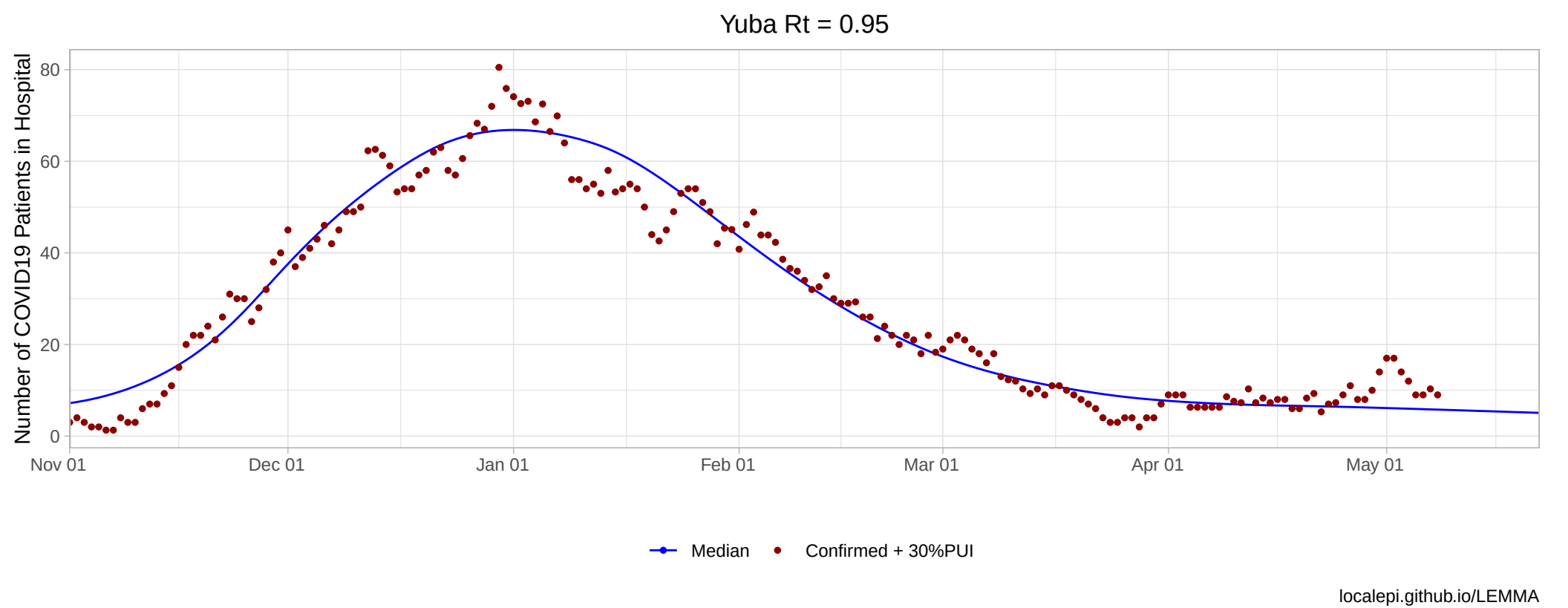

Humboldt Rt = 0.87
Number of COVID19 Cases
40
30
20
10
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA

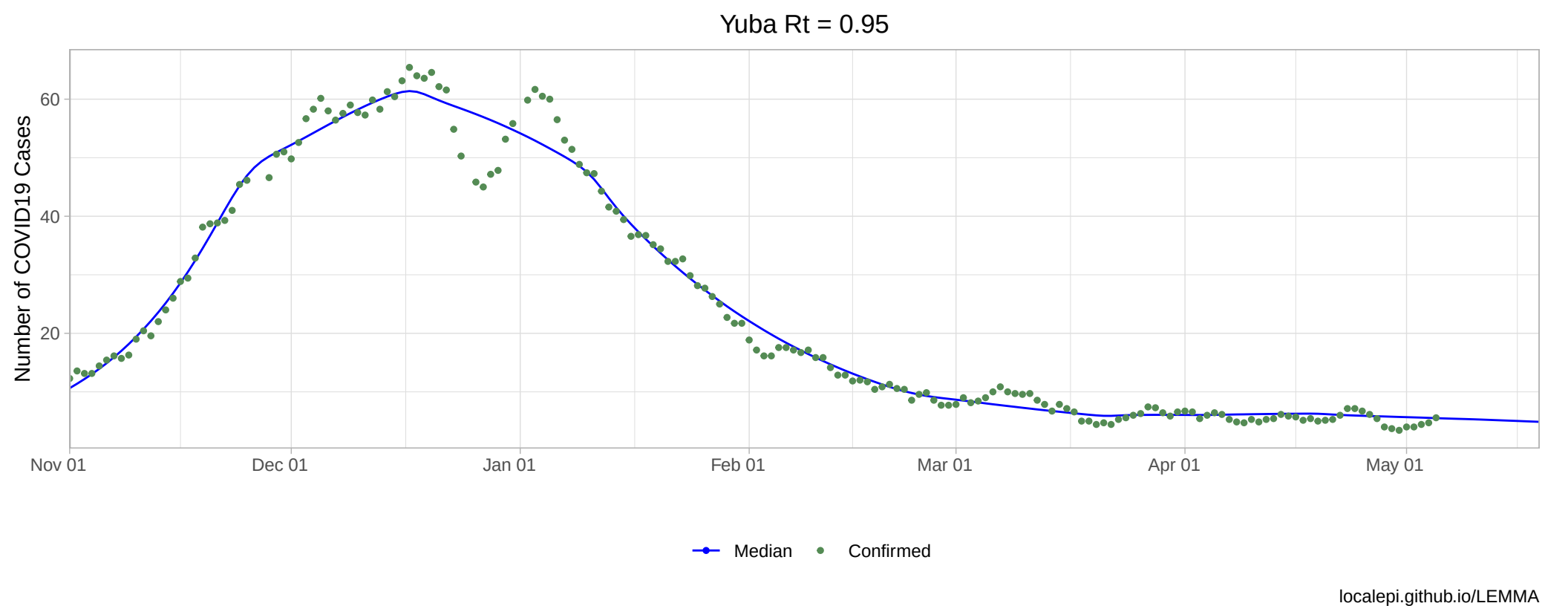


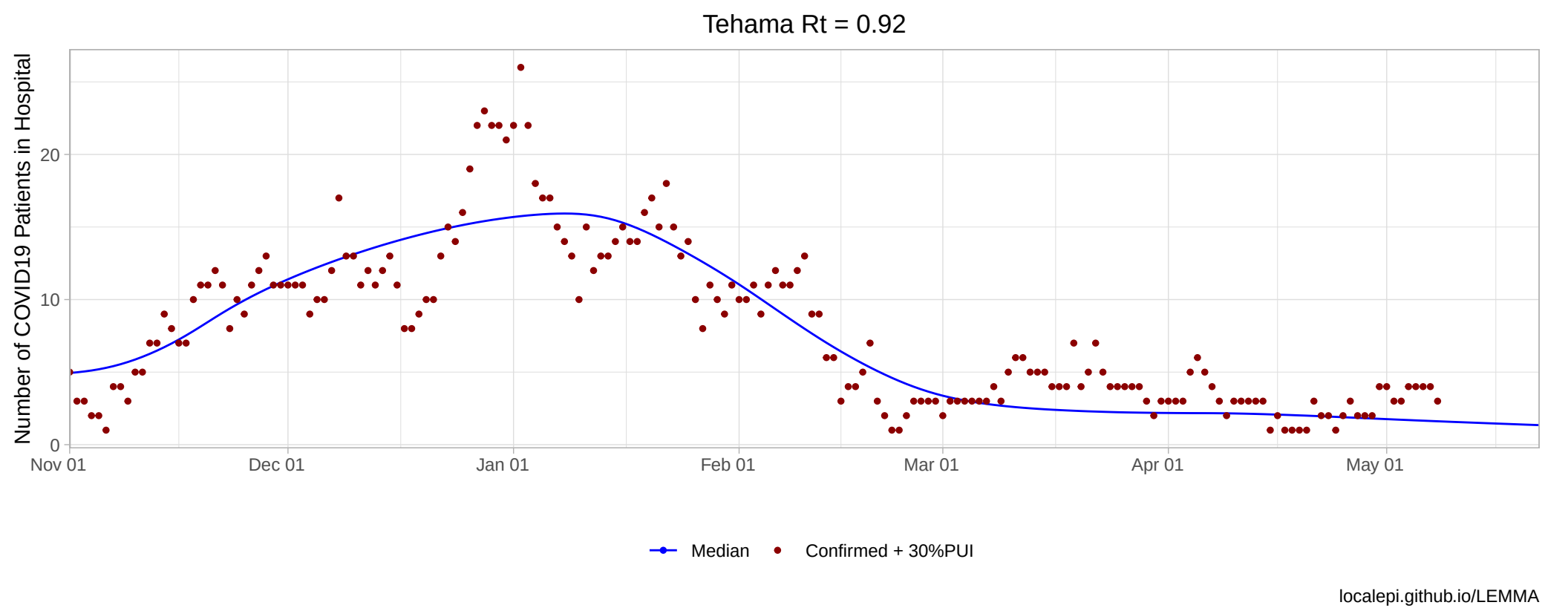
localepi.github.io/LEMMA

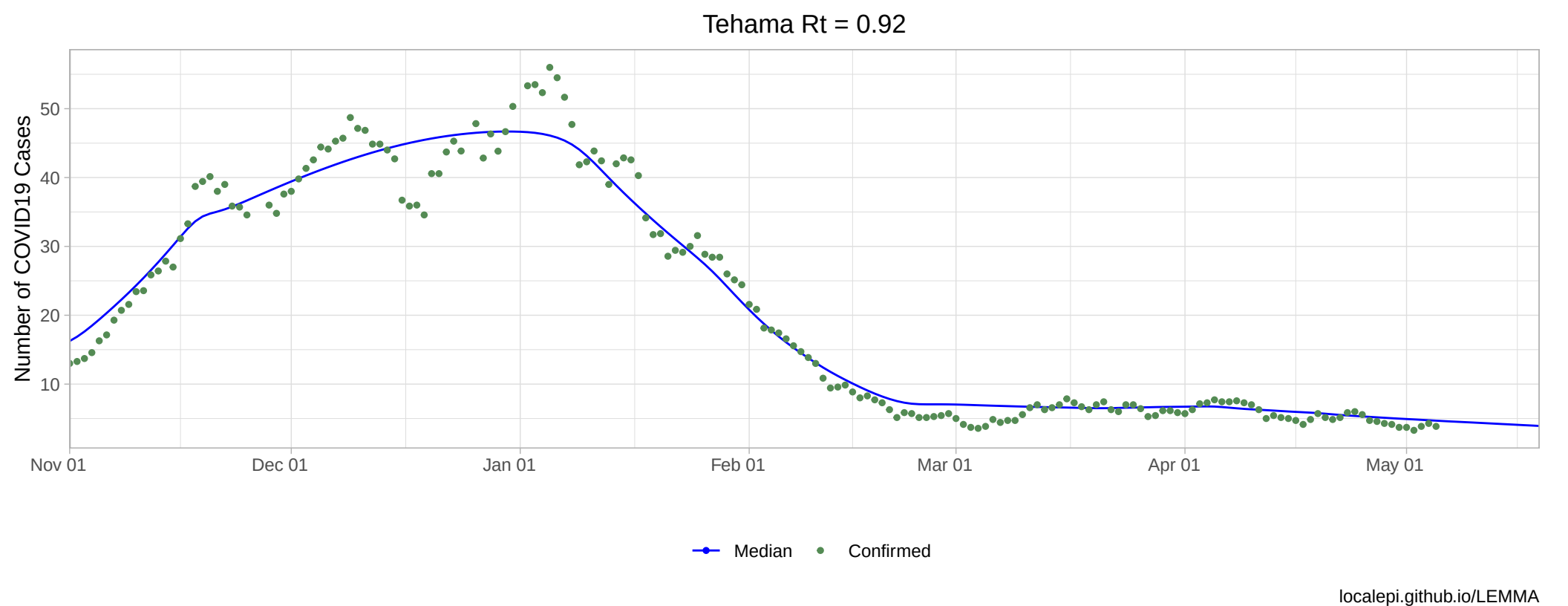


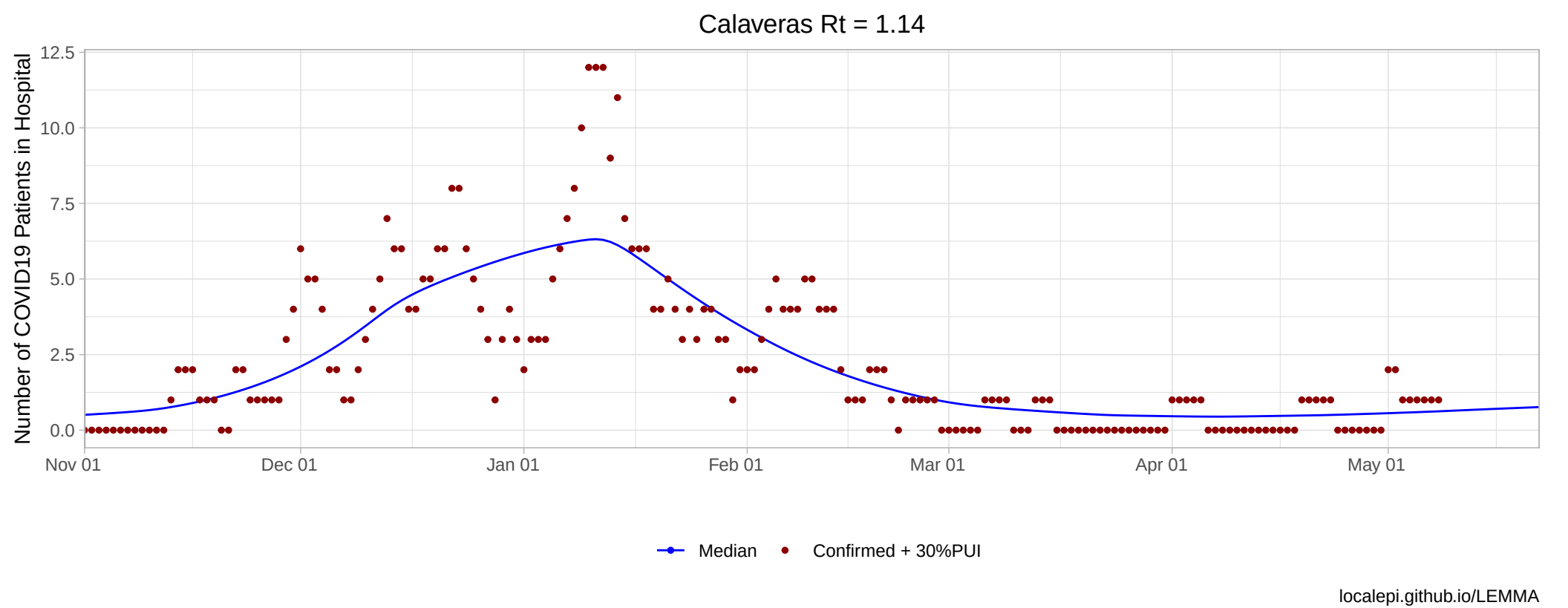
localepi.github.io/LEMMA

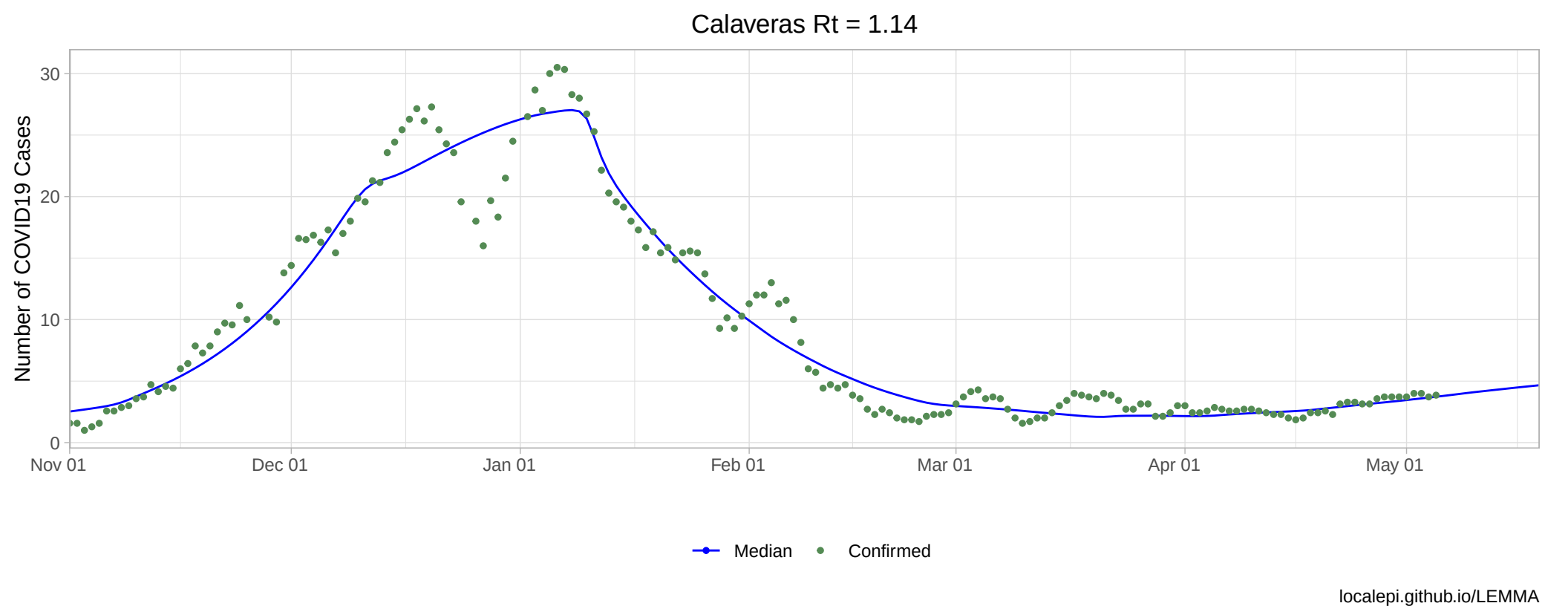

Yuba Rt = 0.95
Number of COVID19 Patients in Hospital
0
20
40
60
80
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA

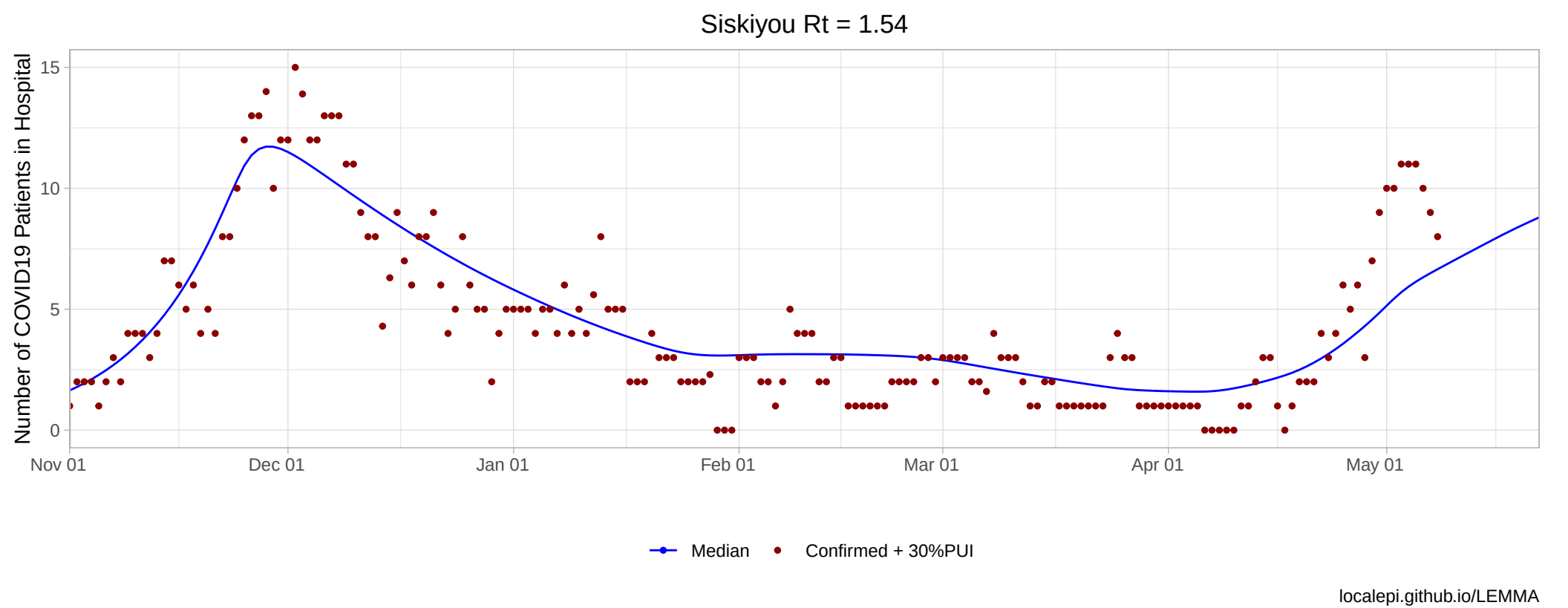

Yuba Rt = 0.95
Number of COVID19 Cases
20
40
60
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA


Tehama Rt = 0.92
Number of COVID19 Patients in Hospital
0
10
20
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA


Tehama Rt = 0.92
Number of COVID19 Cases
10
20
30
40
50
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA


Calaveras Rt = 1.14
Number of COVID19 Patients in Hospital
12.5
10.0
7.5
5.0
2.5
0.0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed + 30%PUI
localepi.github.io/LEMMA


Calaveras Rt = 1.14
Number of COVID19 Cases
30
20
10
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Median
Confirmed
localepi.github.io/LEMMA



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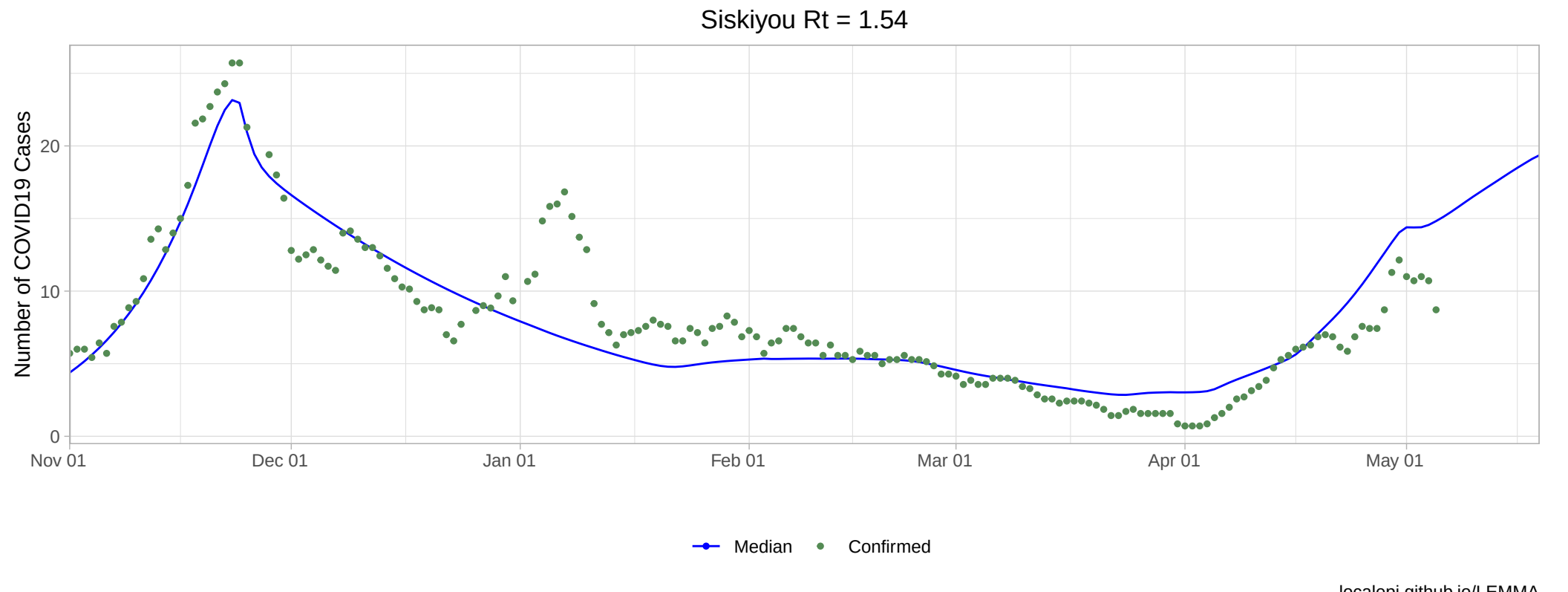

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