



Universidade Federal do Ceará

Modelagem epidemiológica do COVID19 para o Estado do Ceará empregando o modelo SEIIR

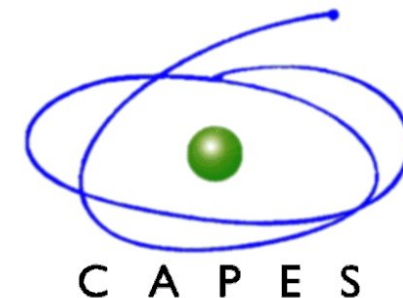
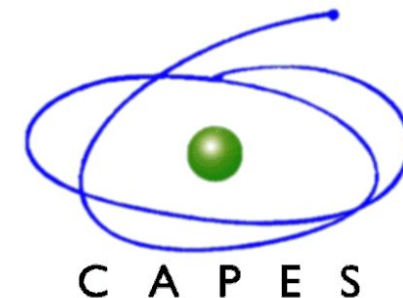
Equipe Cientista-Chefe de Dados (UFC & CAPP-IPECE):

José Soares de Andrade (UFC-Física)

Humberto Carmona (UFC-Física)

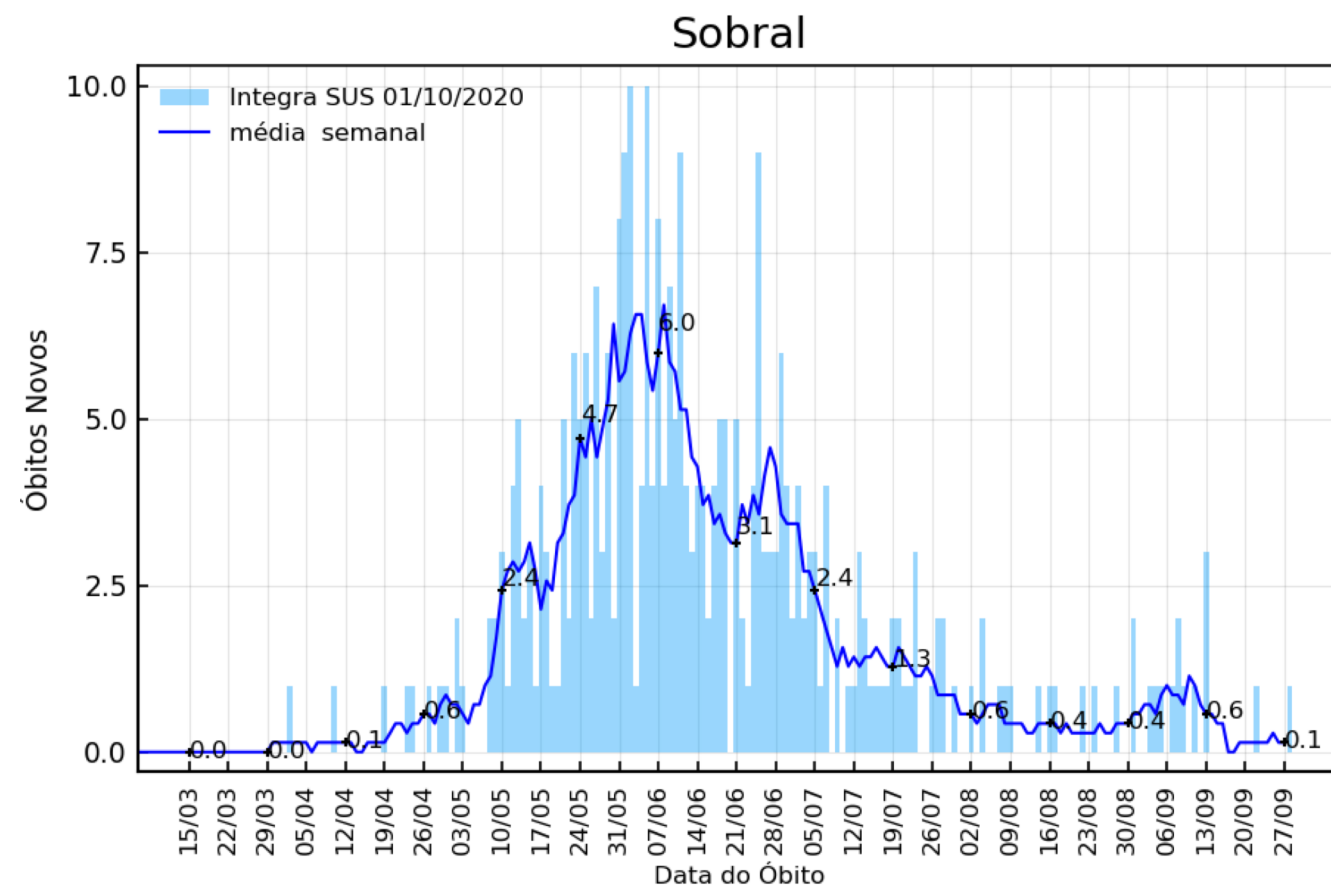
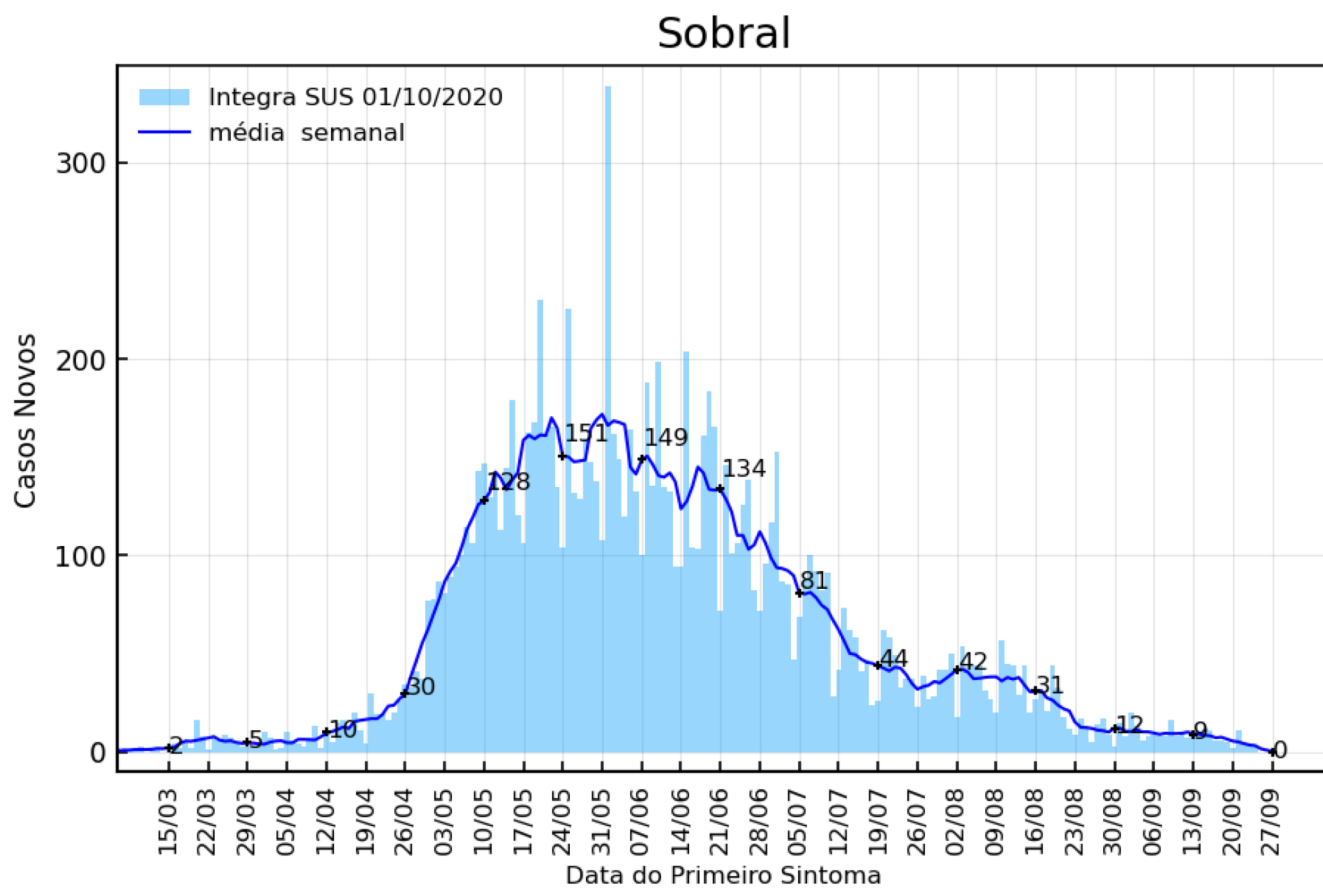
Rilder Pires (CAPP-IPECE-SEPLAG)

Saulo Reis (UFC-Física)



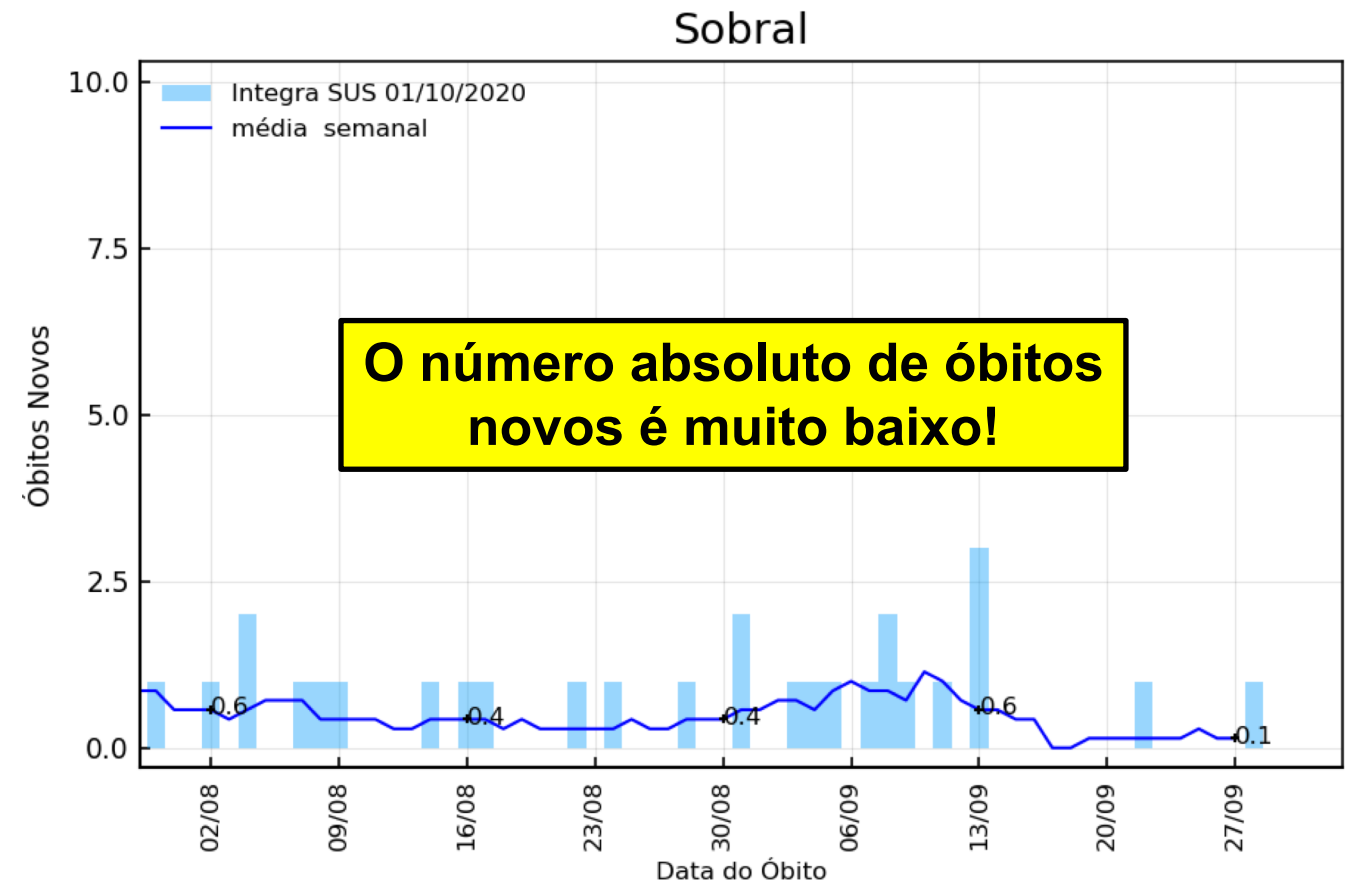
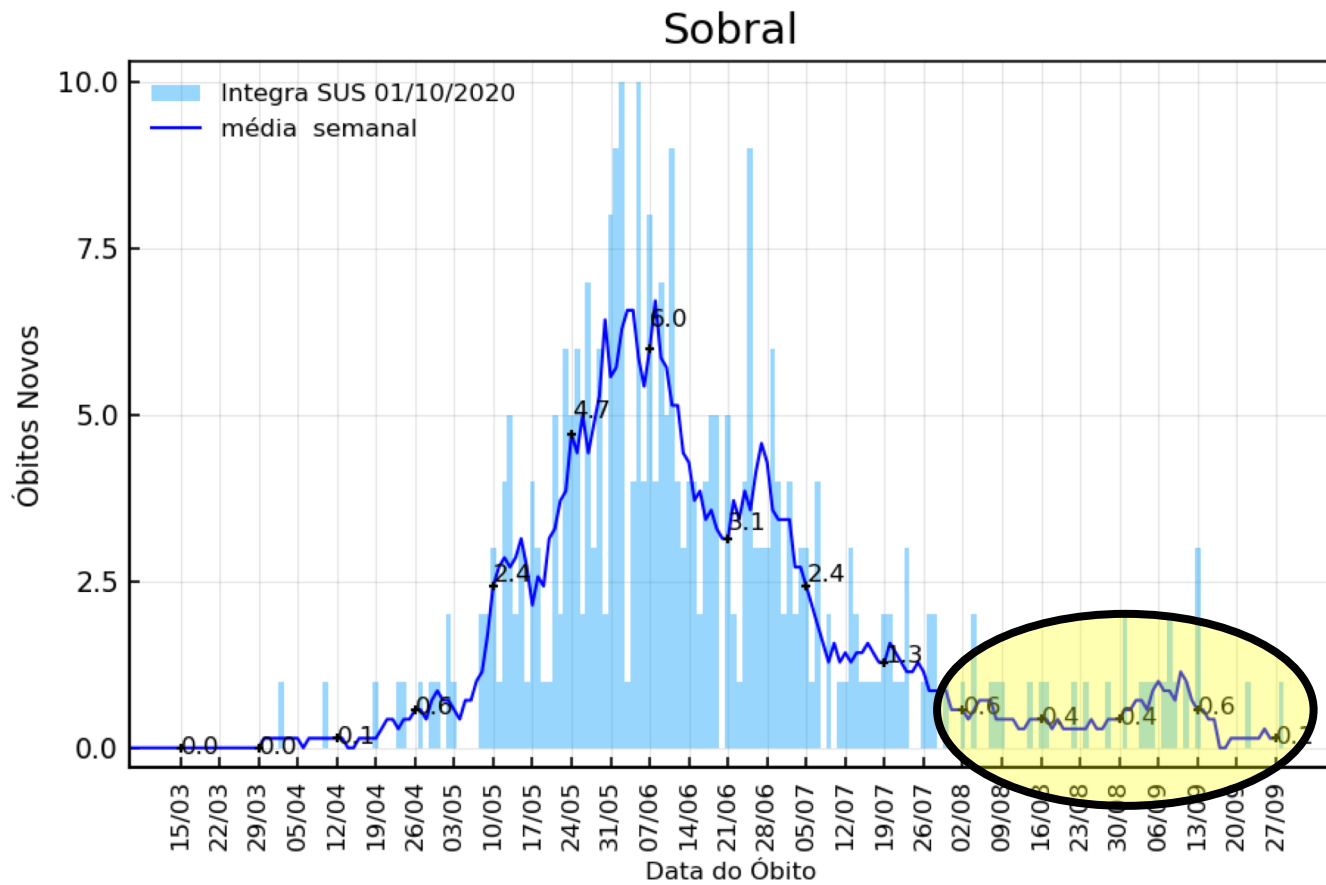
Sobral (sede)

Dados atualizados em 01/10/2020

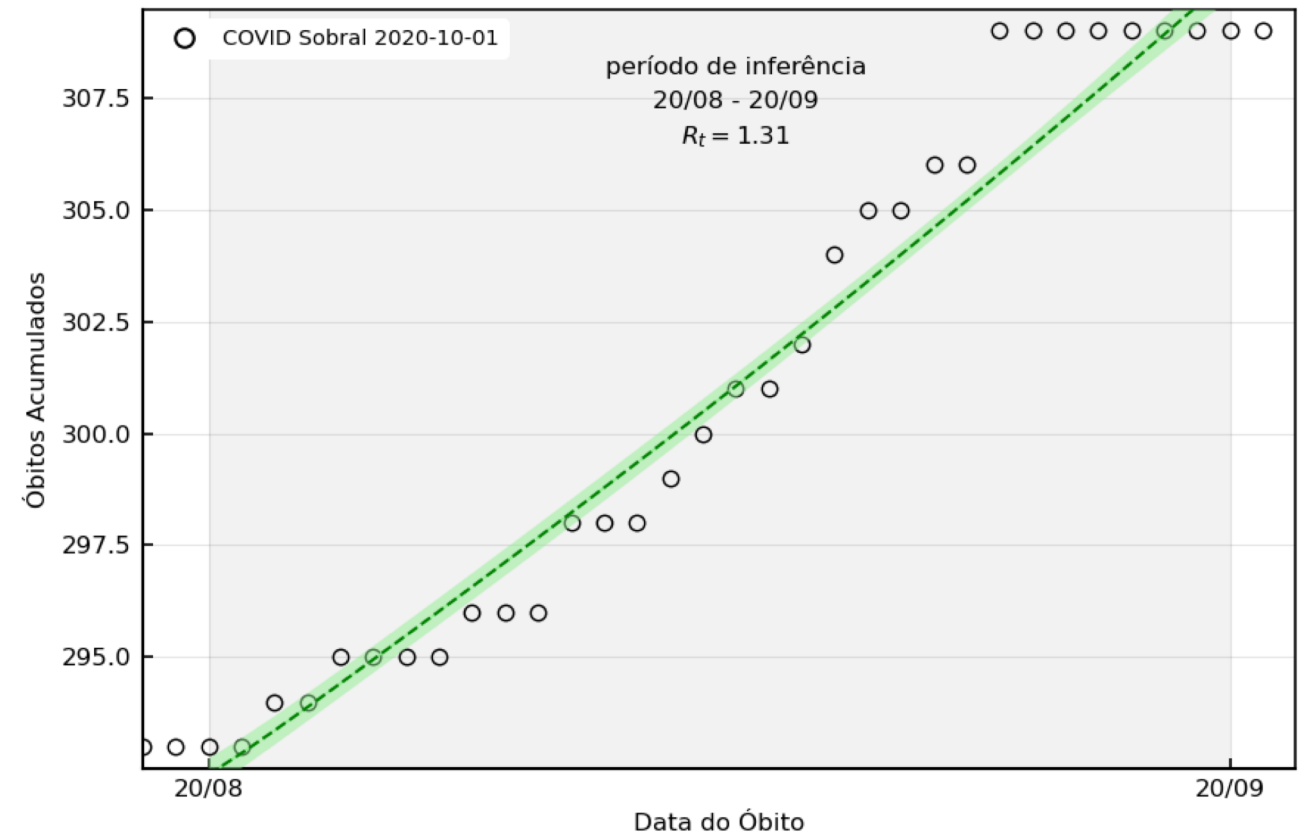
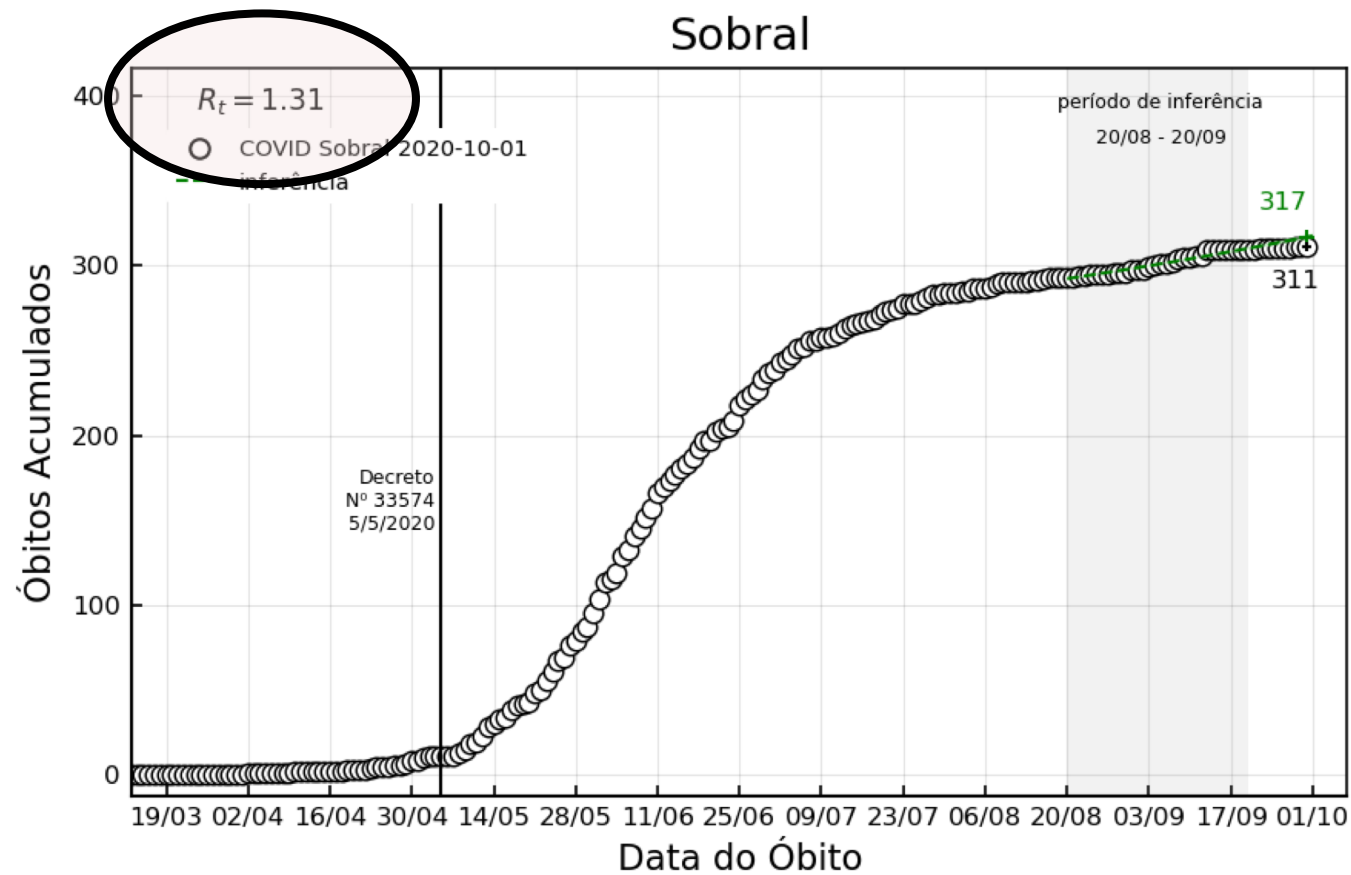


Sobral (sede)

Dados atualizados em 01/10/2020



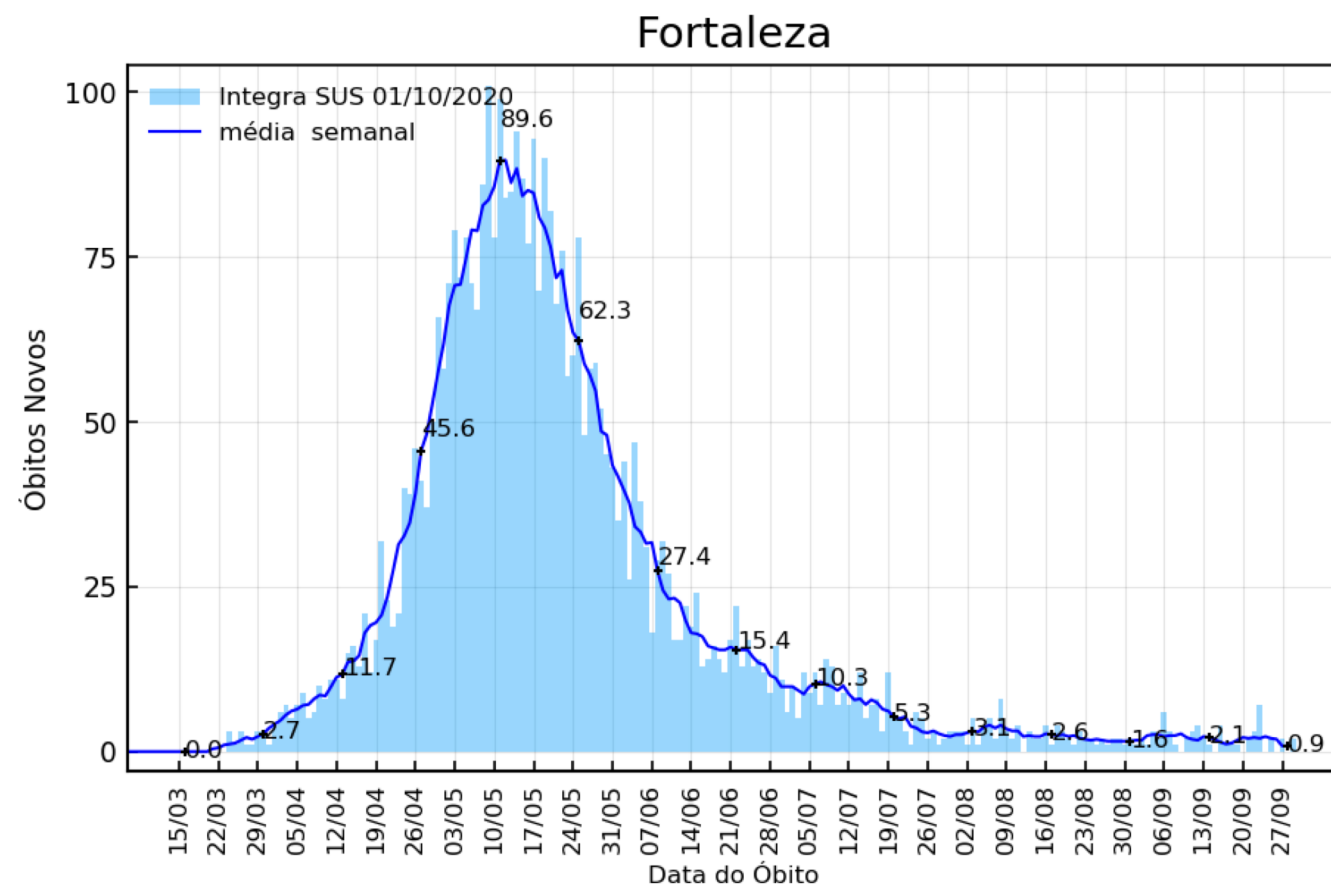
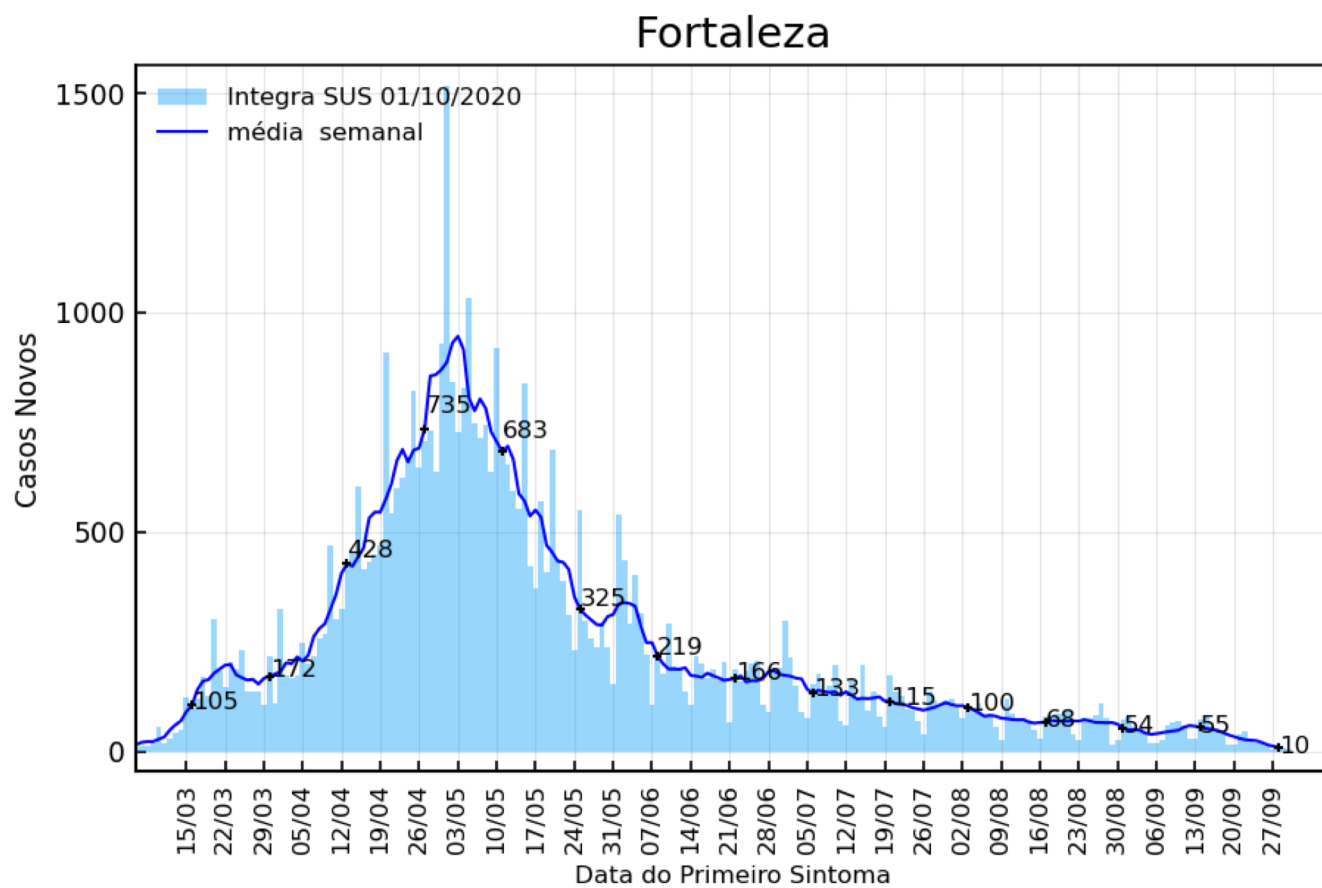
O parâmetro R_t não reflete o status dinâmico da epidemia.



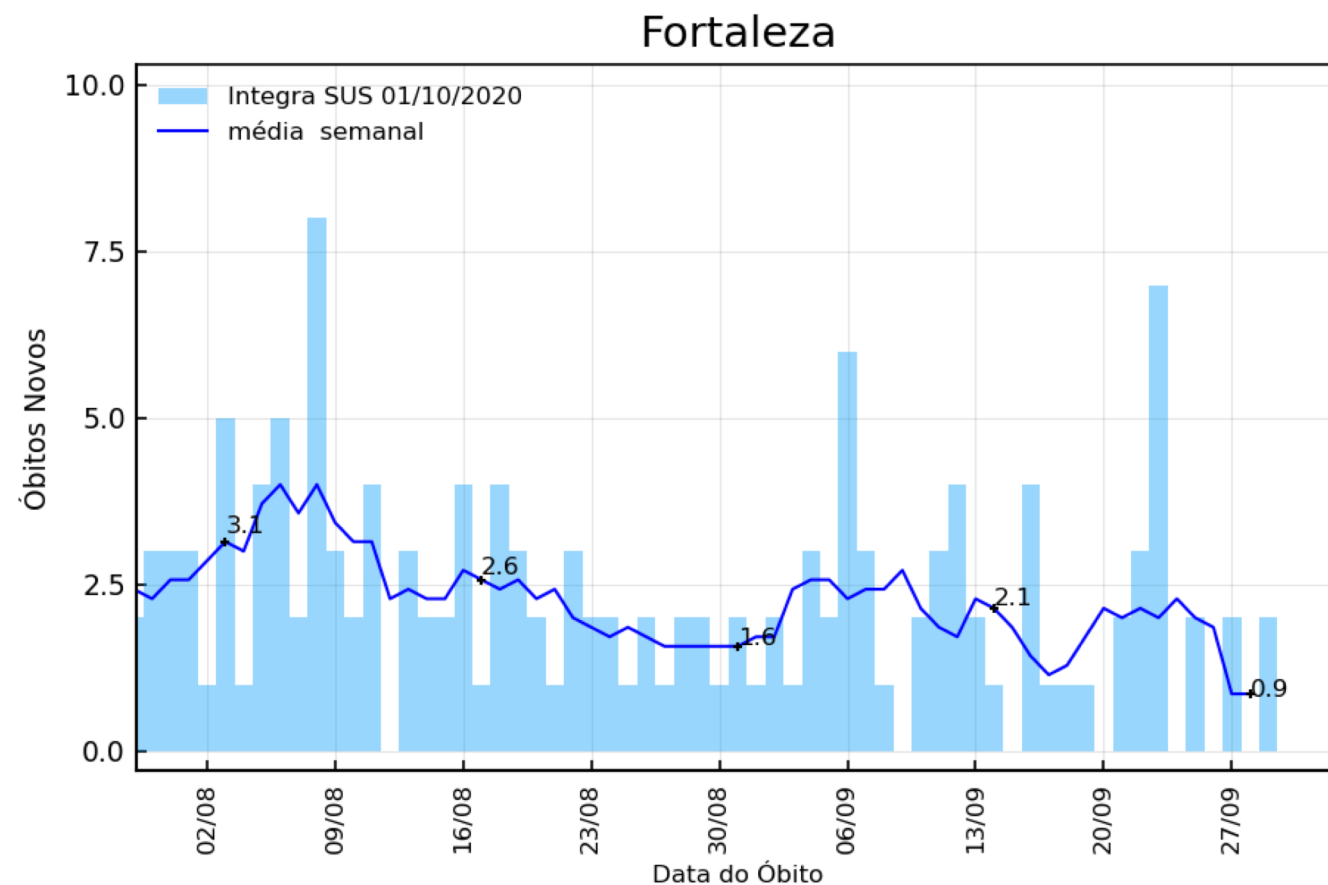
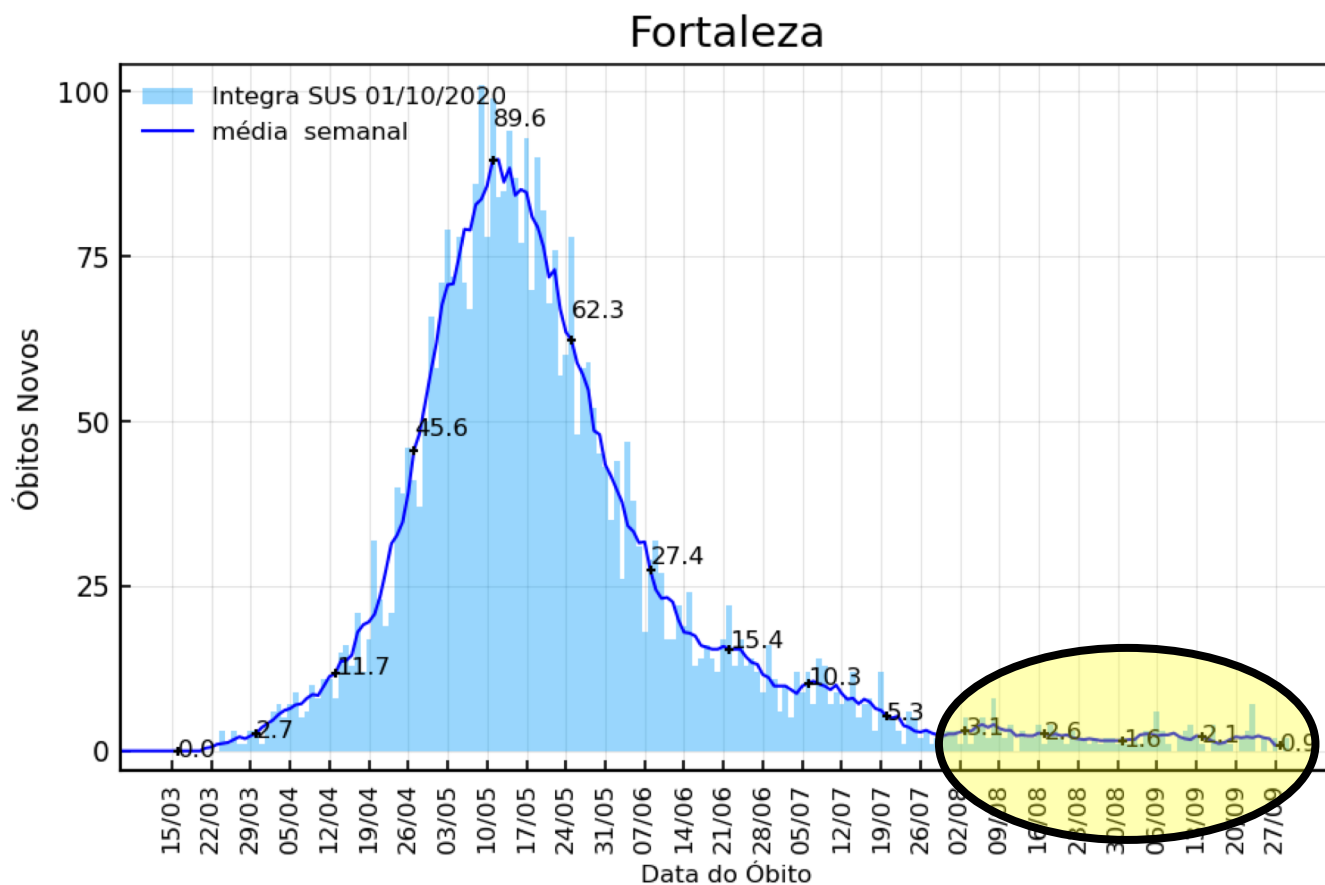
O modelo não consegue capturar as oscilações dos dados.

Fortaleza (capital)

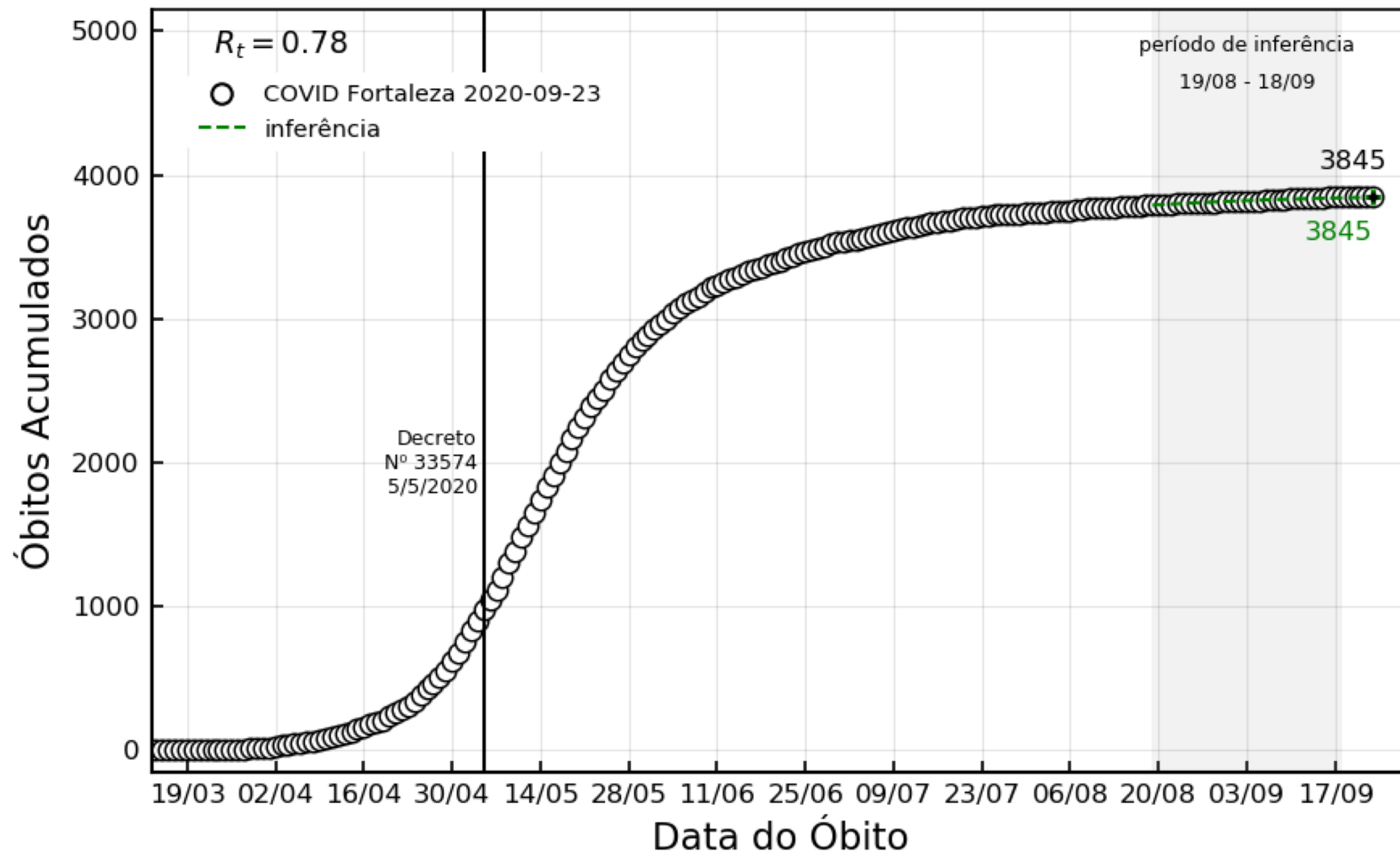
Dados atualizados em 01/10/2020



Dados atualizados em 01/10/2020



Fortaleza



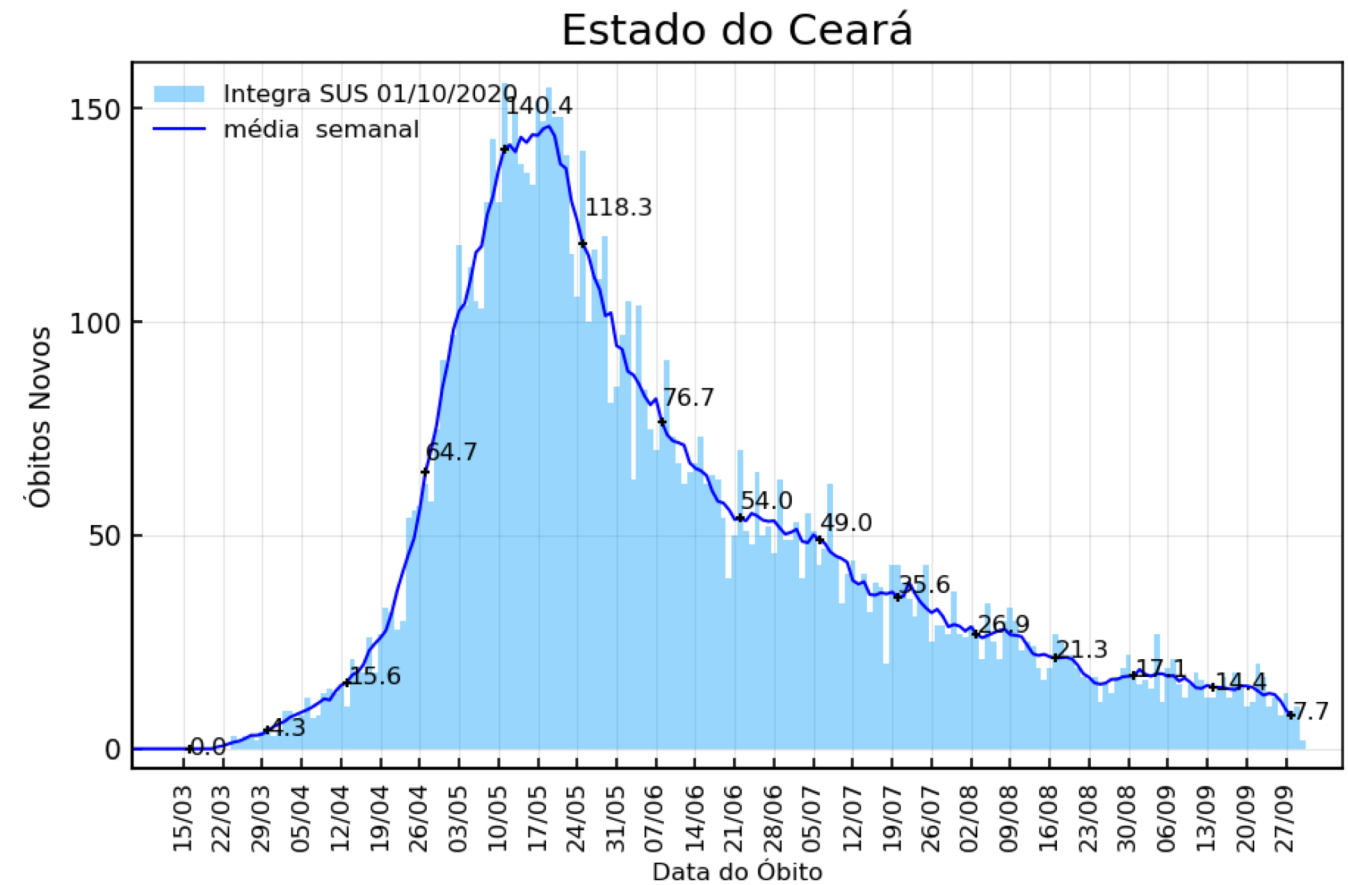
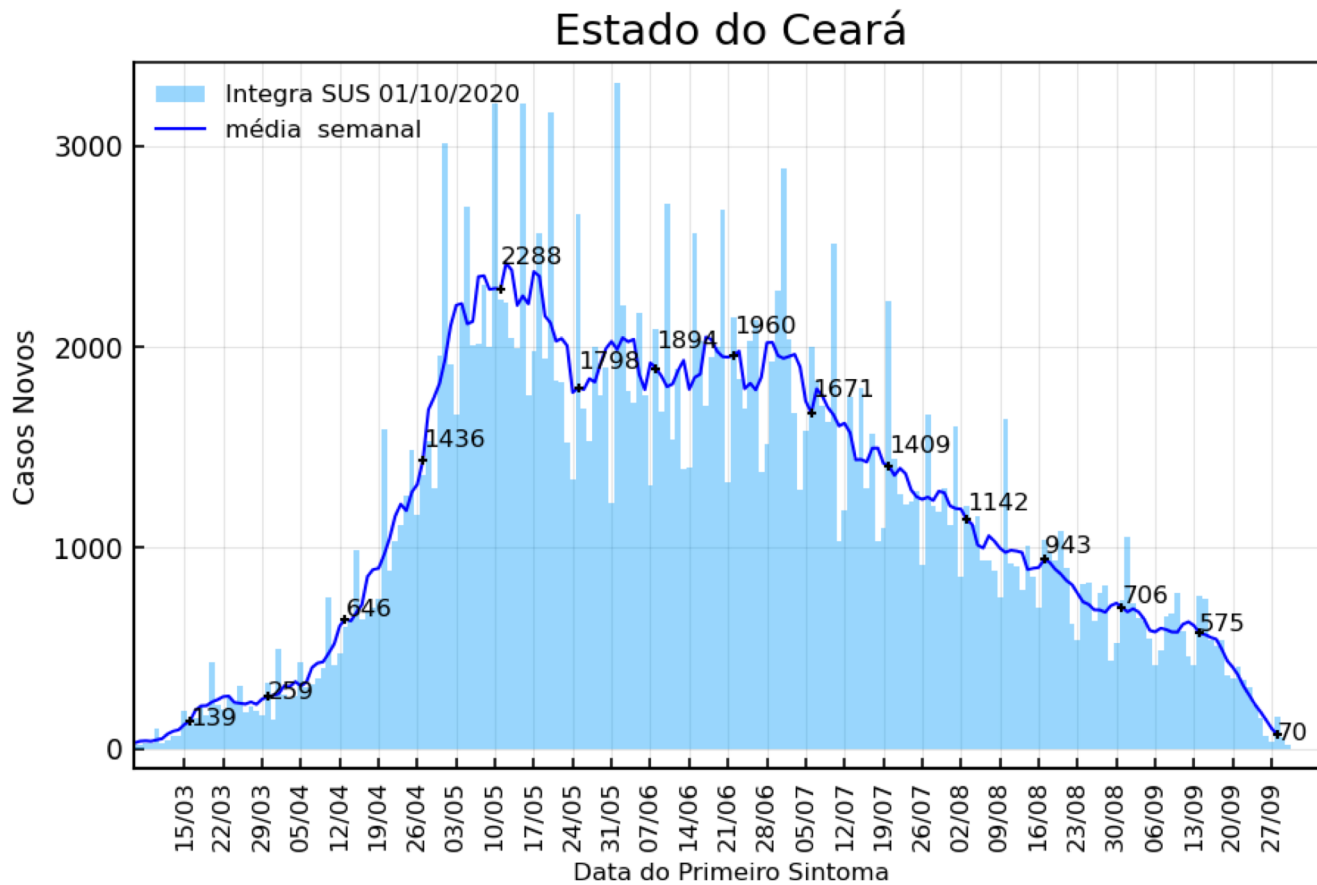
Ceará & Regiões

REGIÃO	POPULAÇÃO (IBGE 2020)
Fortaleza	4.817.822
Sobral	1.643.656
Cariri	1.523.245
Sertão Central	652.591
Litoral Leste/Jaguaribe	549.789

População do Ceará = 9.187.103 habitantes

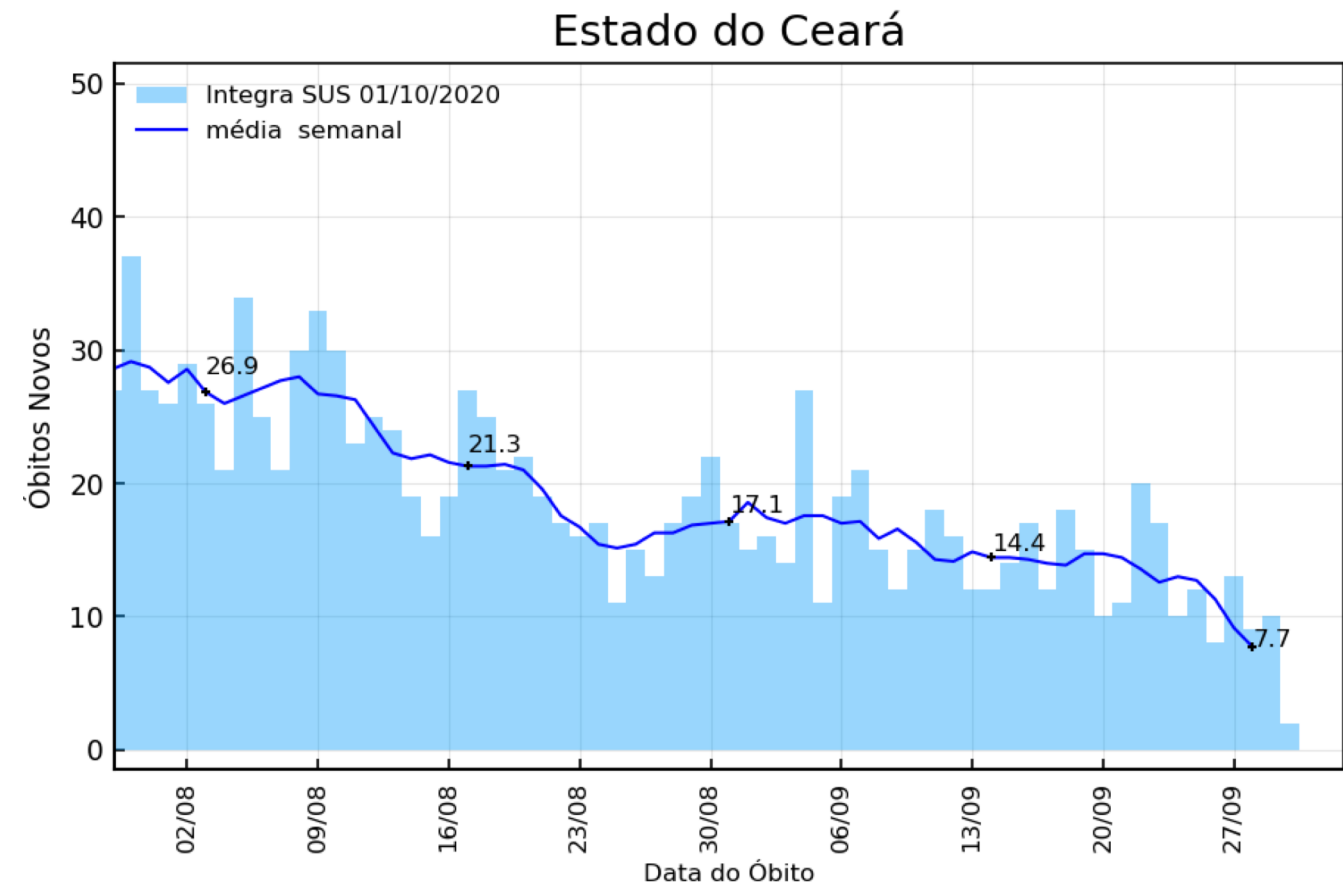
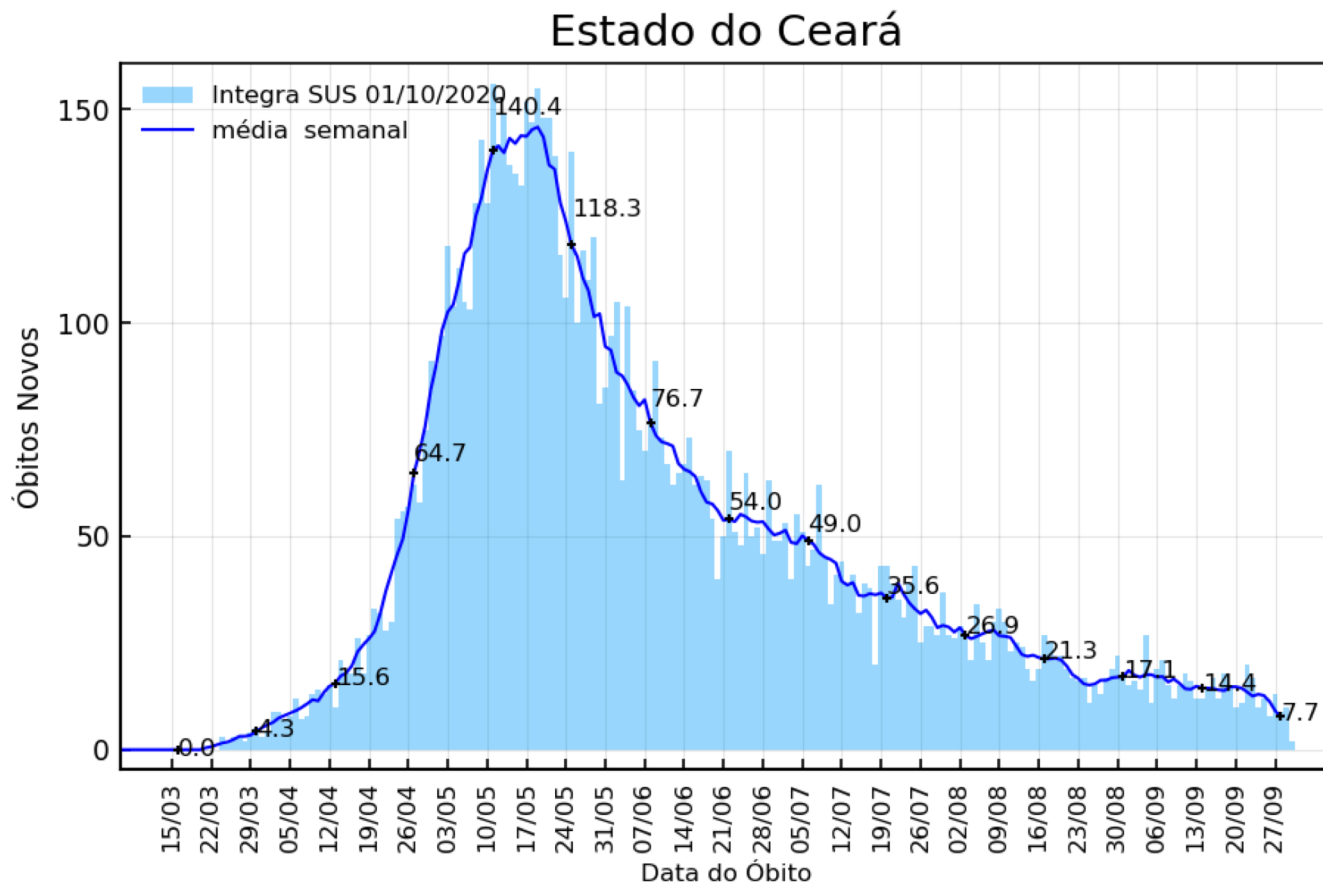
Estado do Ceará

Dados atualizados em 01/10/2020



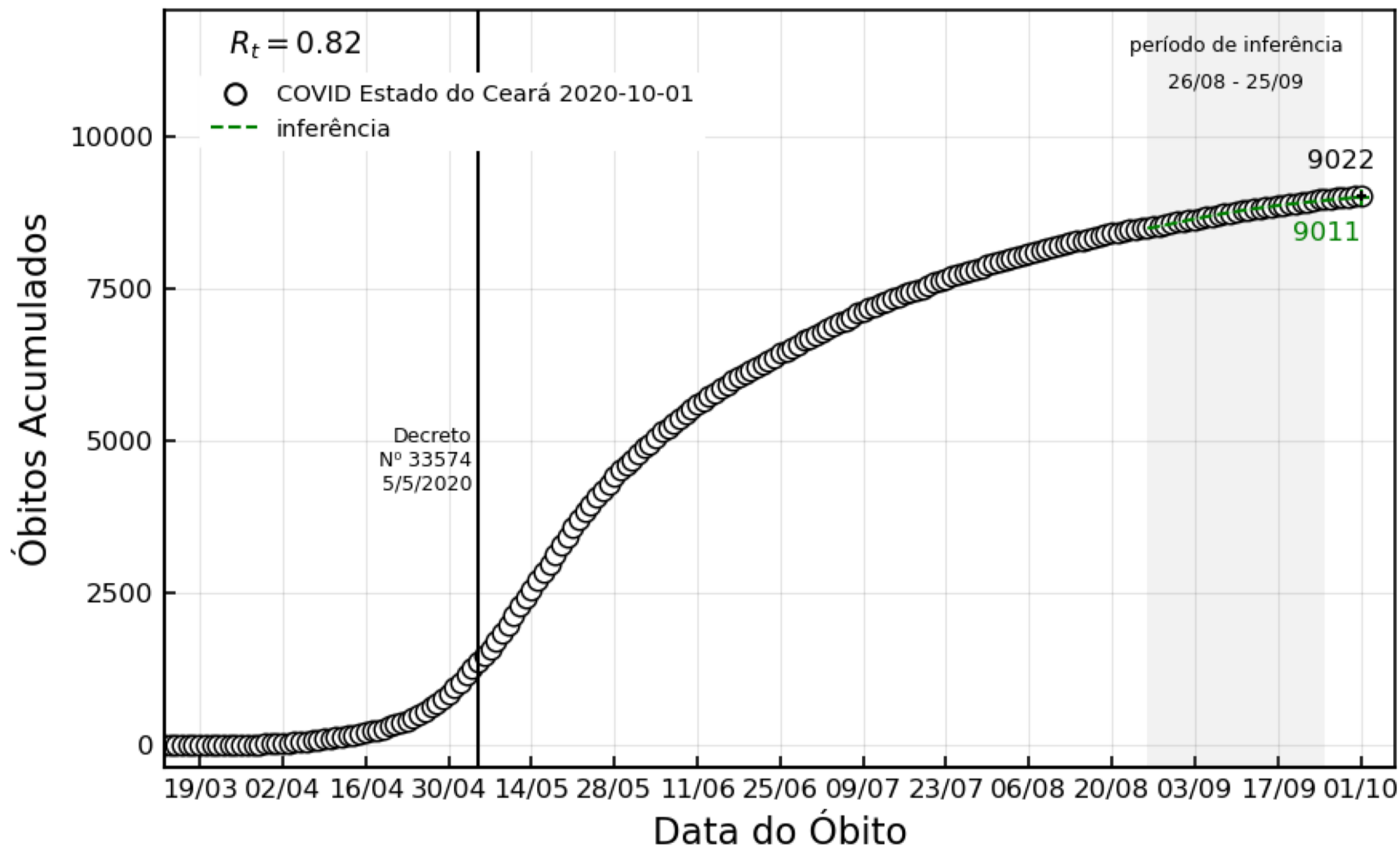
Estado do Ceará

Dados atualizados em 01/10/2020



Dados atualizados em 01/10/2020

Estado do Ceará

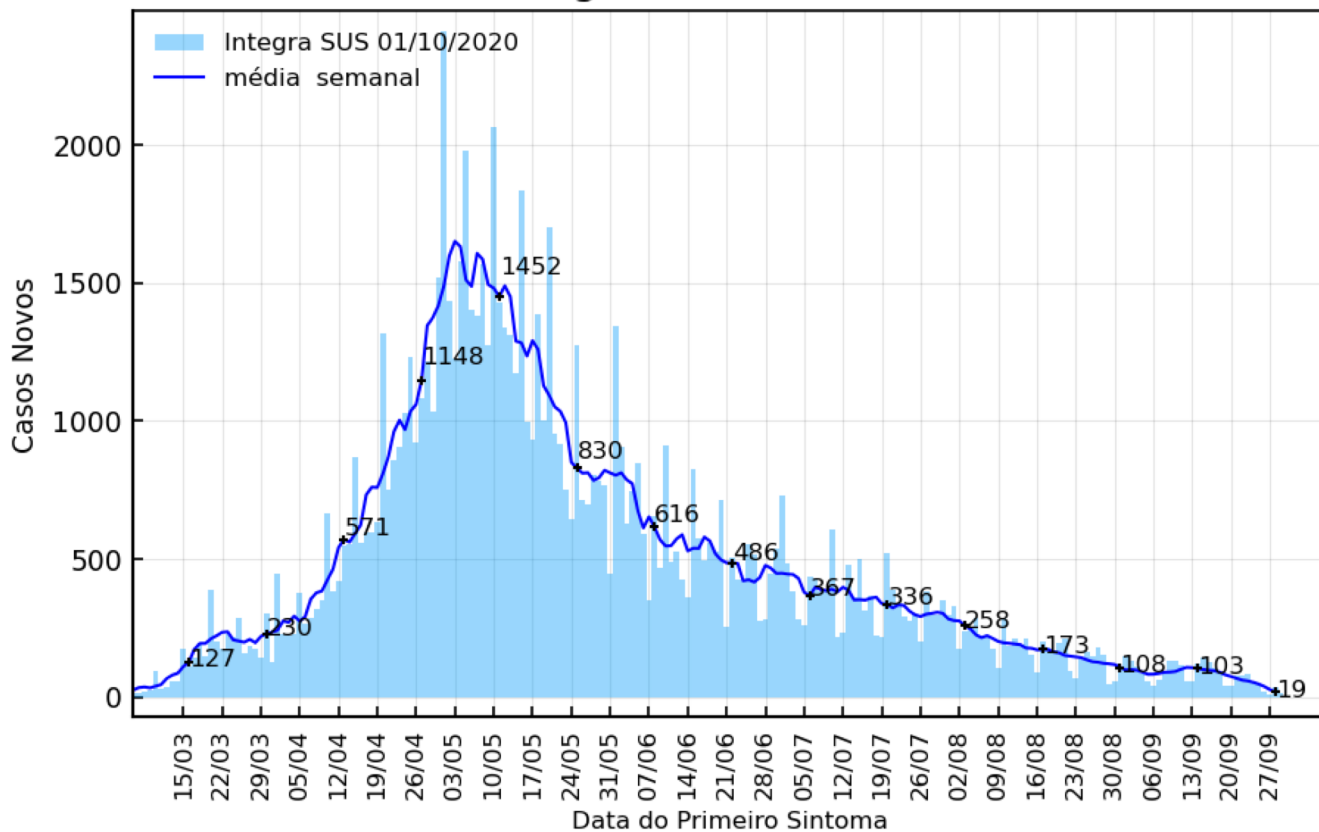


Janela de Inferência	R_t
01/06 – 06/07	0.88
15/06 – 13/07	0.89
22/06 - 20/07	0.89
29/06 – 27/07	0.87
08/07 – 30/07	0.86
15/07 – 14/08	0.80
22/07 – 21/08	0.83
29/07 – 28/08	0.73
05/08 – 04/09	0.76
12/08 – 11/09	0.77
19/08 – 18/09	0.79
26/08 – 25/09	0.82

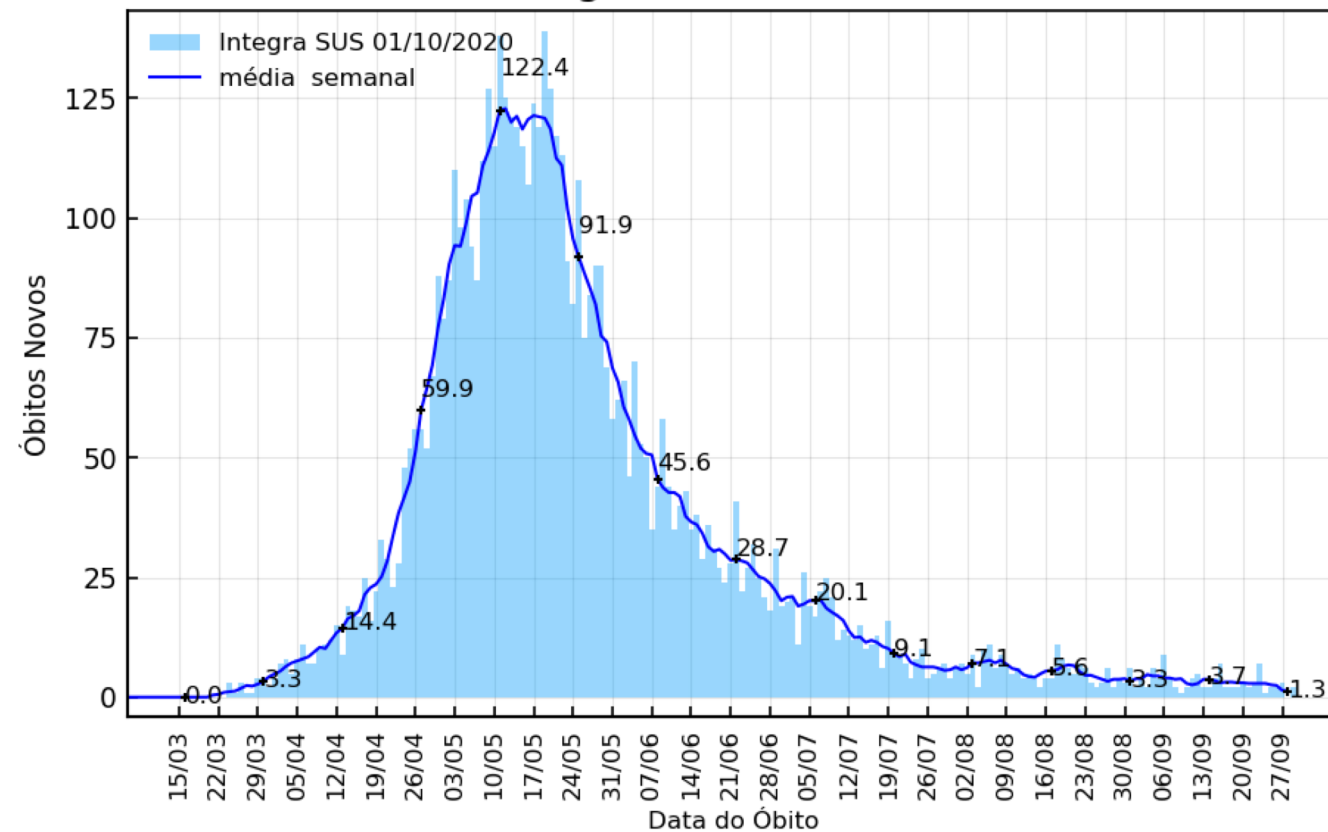
Região Fortaleza

Dados atualizados em 01/10/2020

Região de Fortaleza

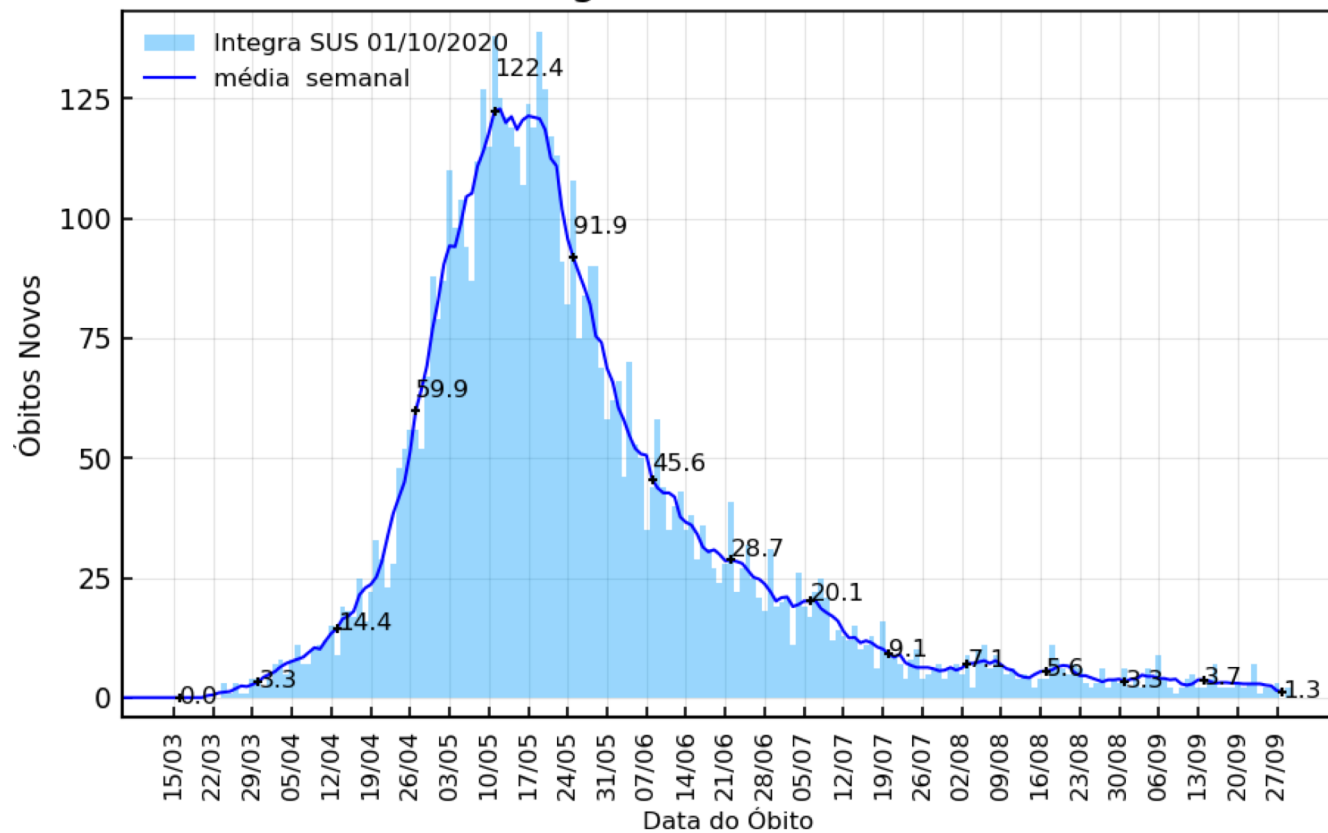


Região de Fortaleza

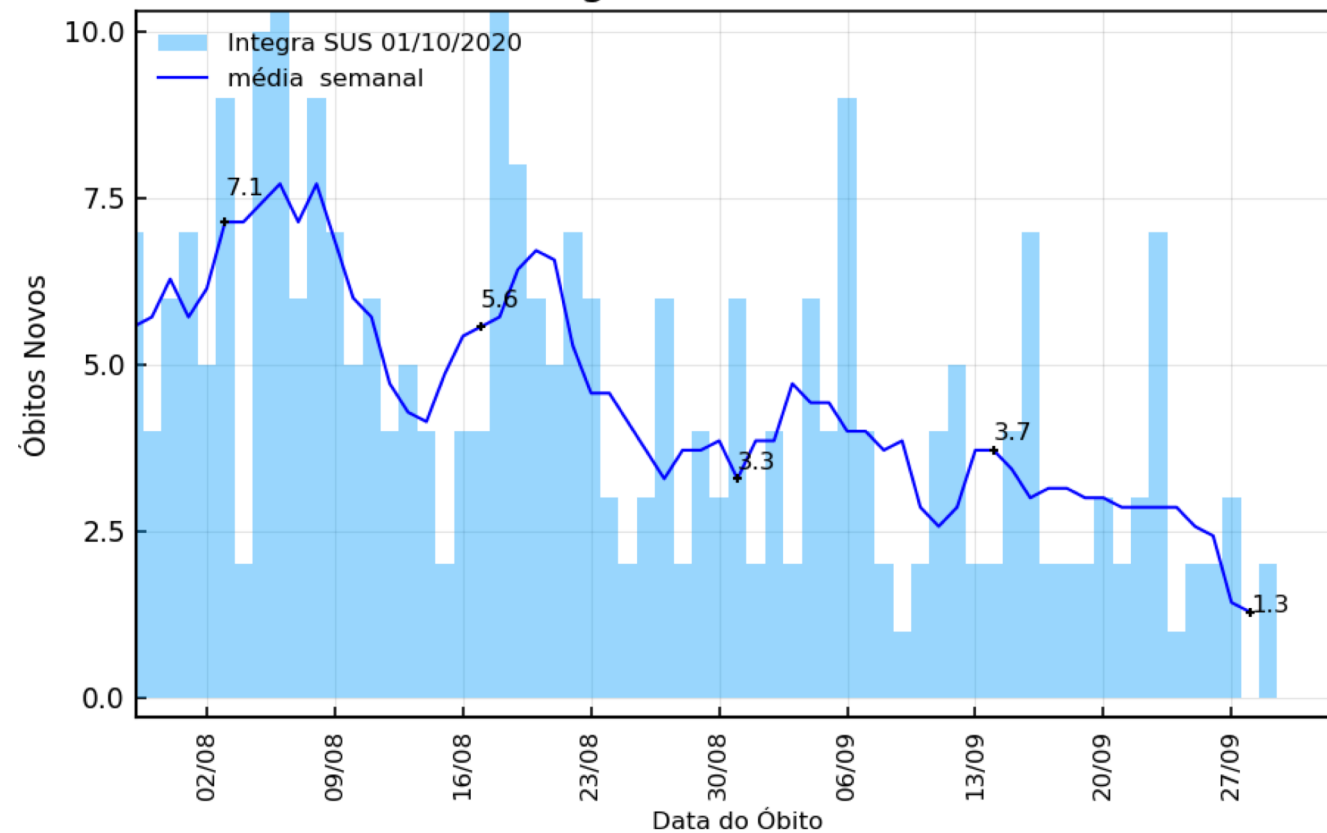


Dados atualizados em 01/10/2020

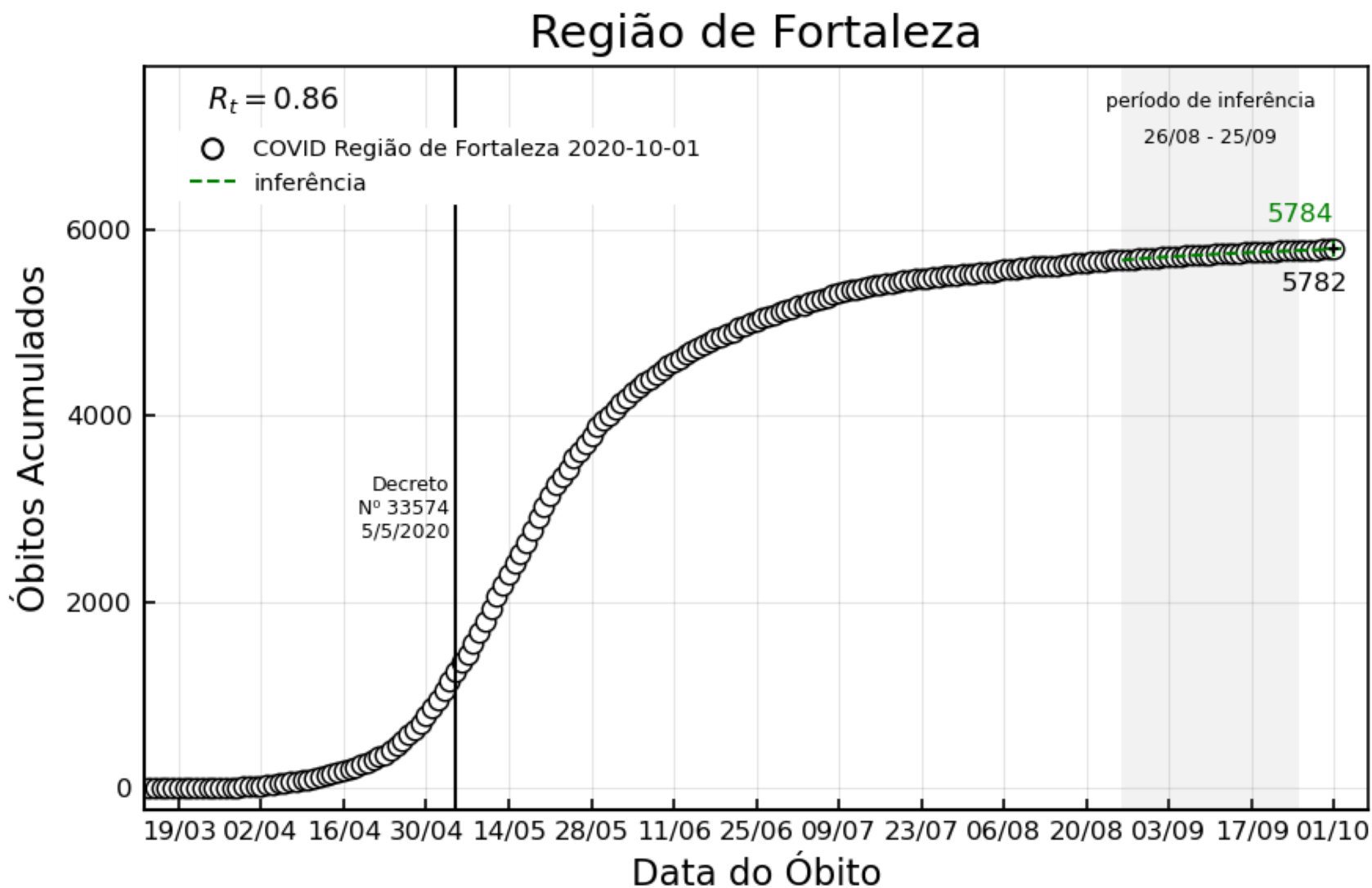
Região de Fortaleza



Região de Fortaleza



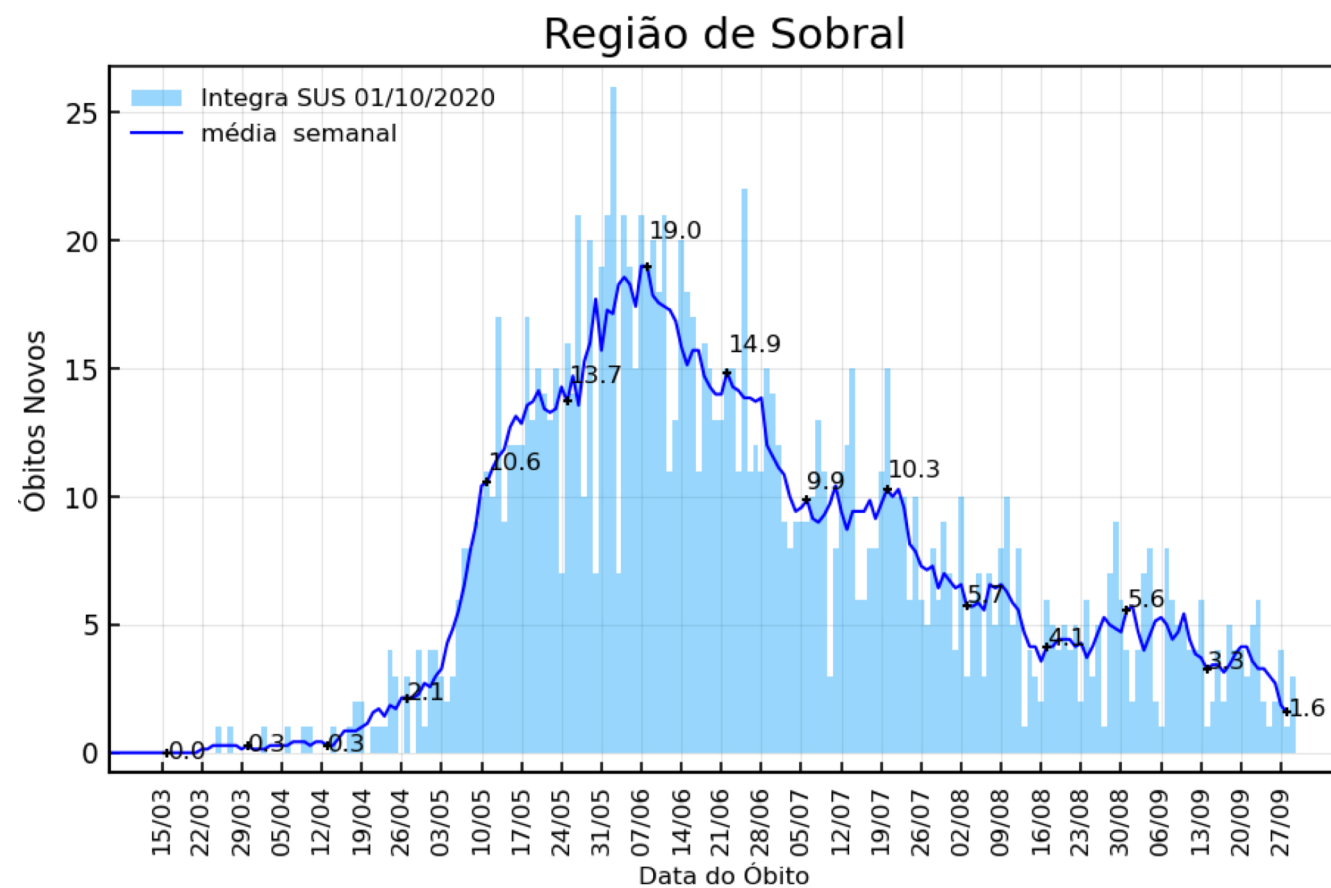
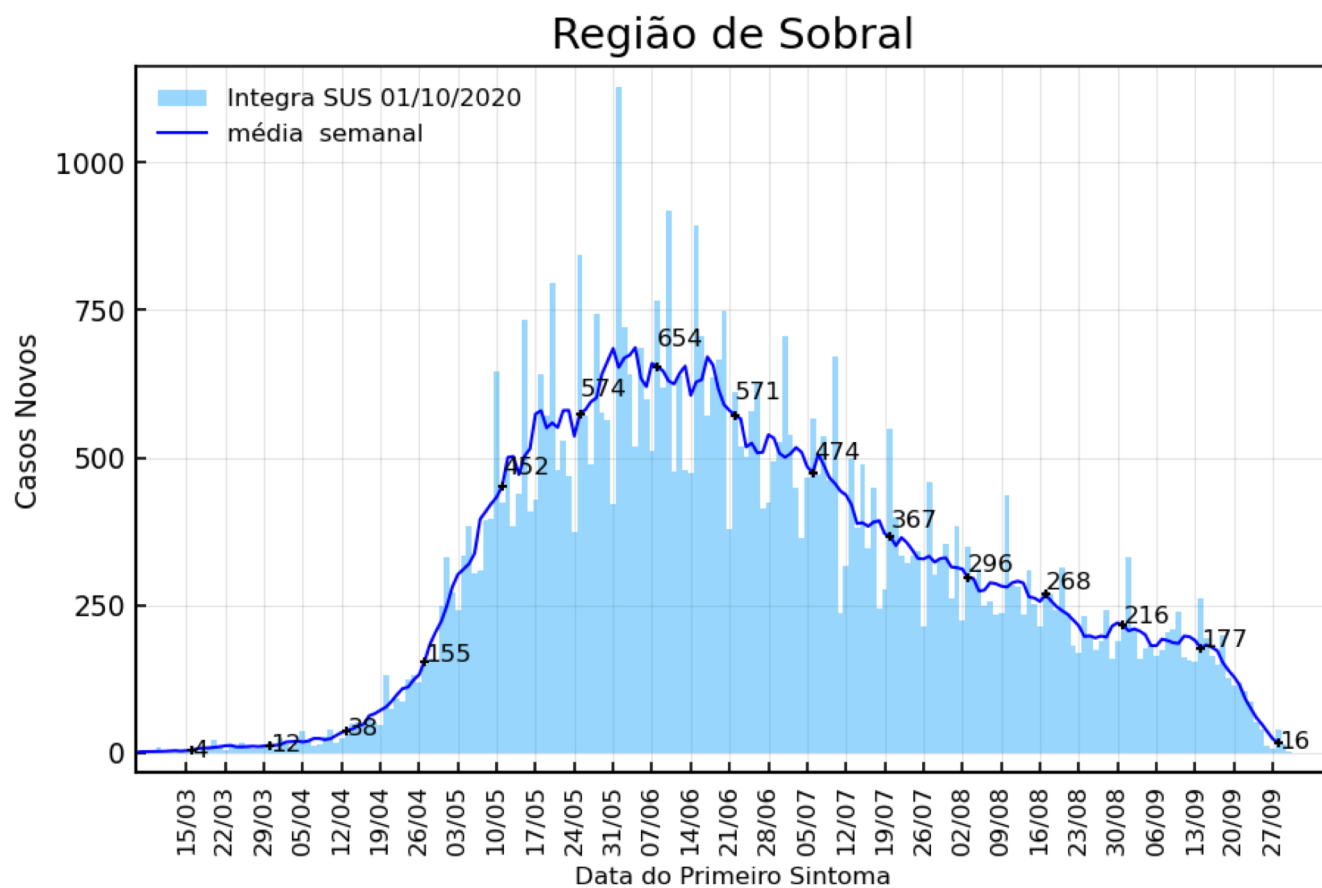
Dados atualizados em 01/10/2020



Janela de Inferência	R_t
29/07 – 28/08	0.76
05/08 – 04/09	0.81
12/08 – 11/09	0.76
19/08 – 18/09	0.75
26/08 – 25/09	0.86

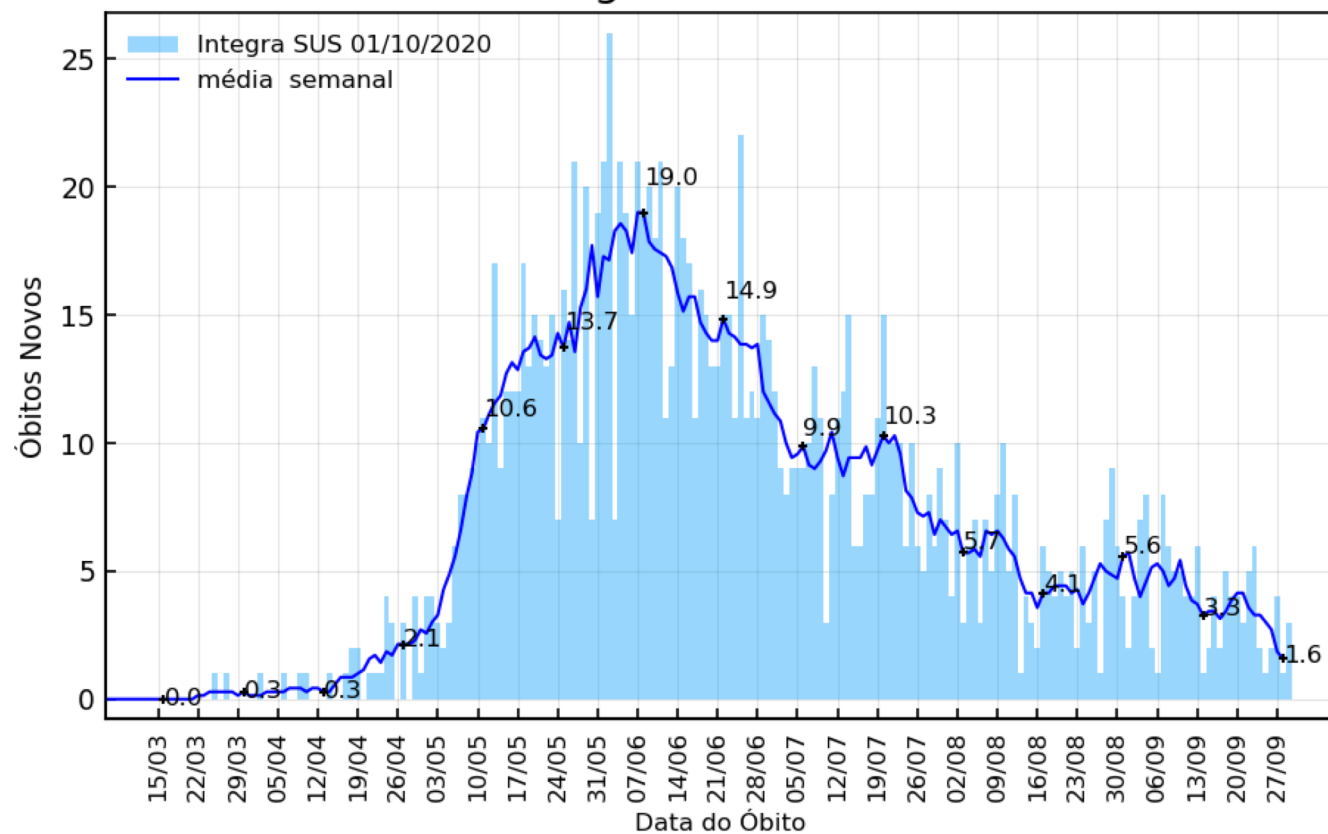
Região Sobral

Dados atualizados em 01/10/2020

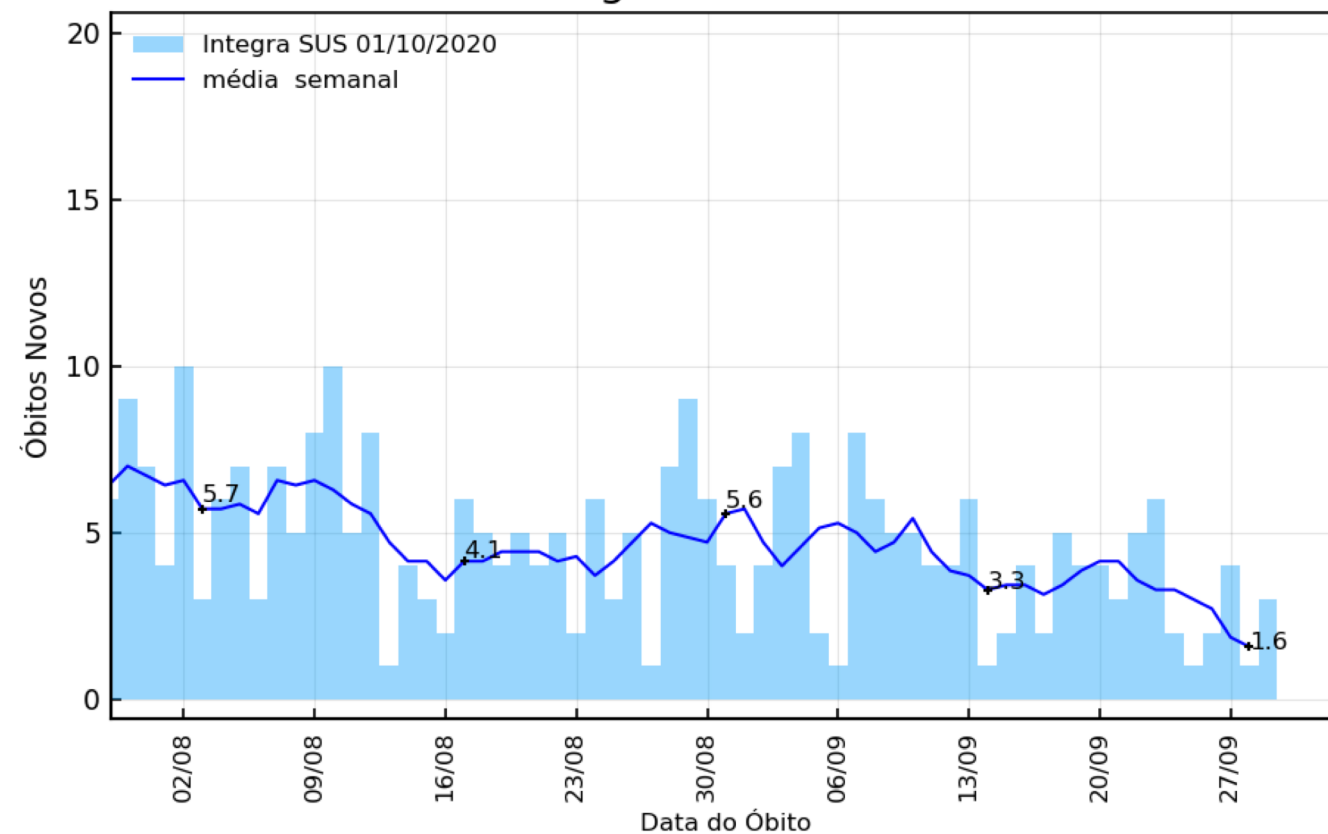


Dados atualizados em 01/10/2020

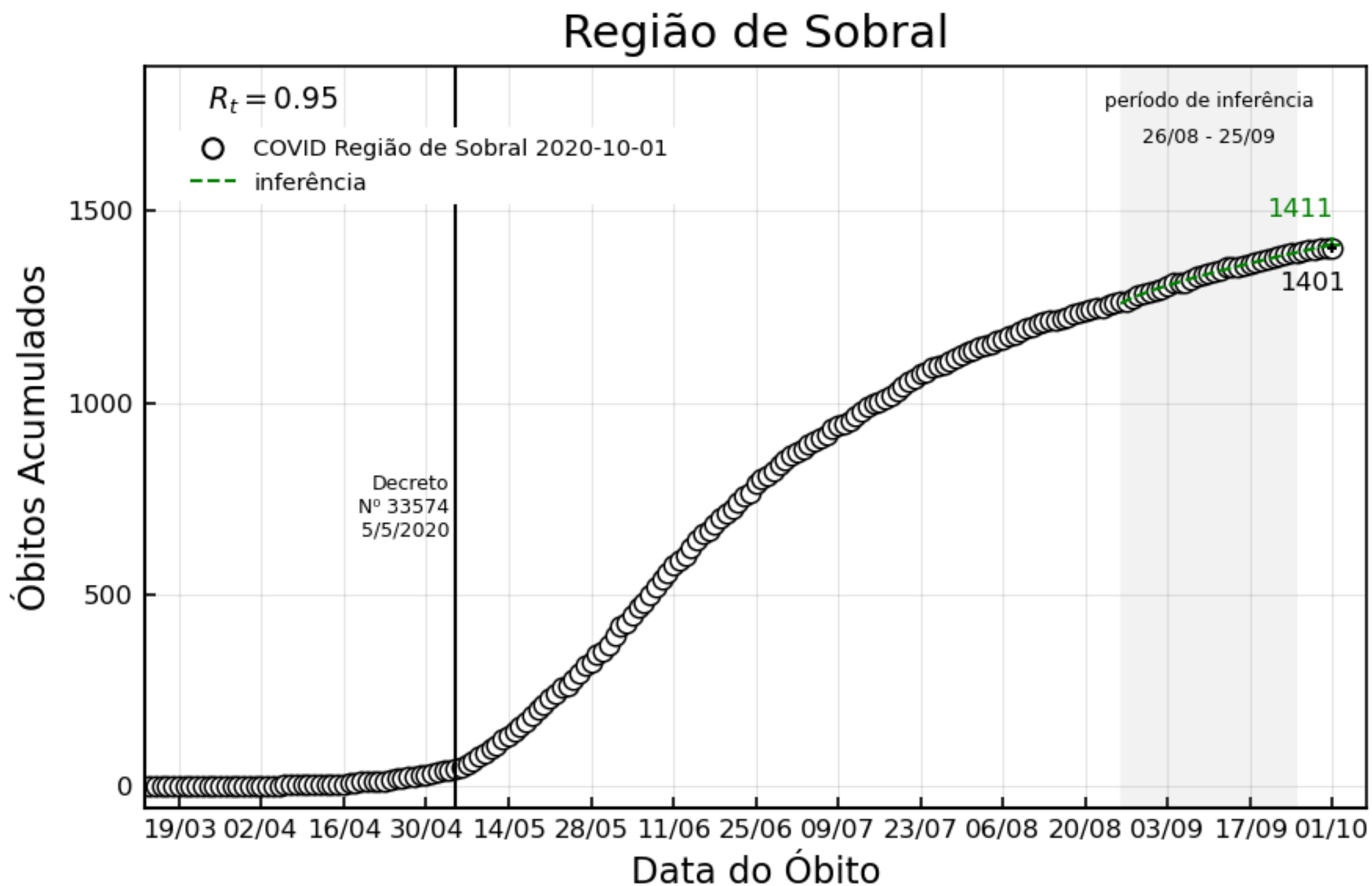
Região de Sobral



Região de Sobral



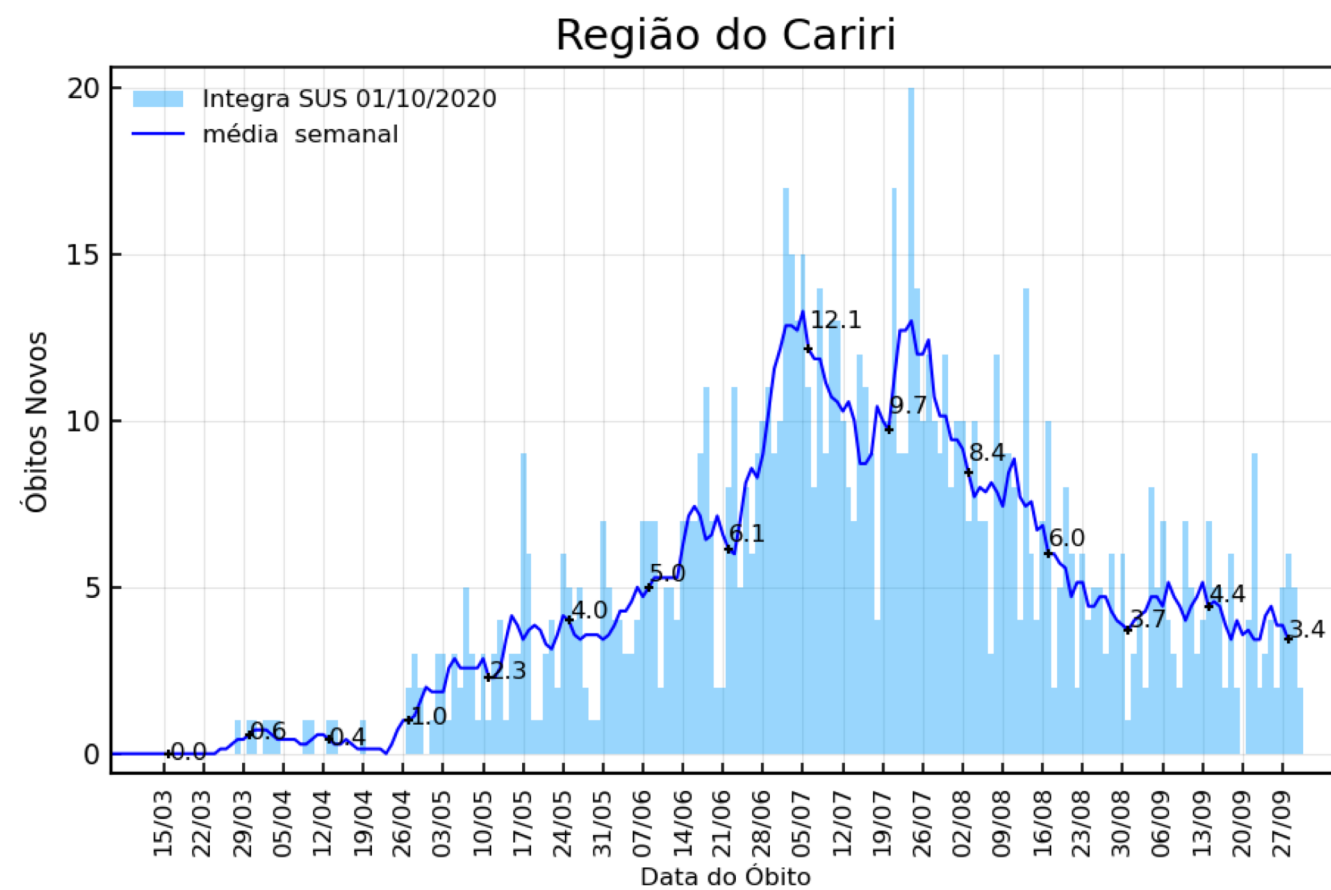
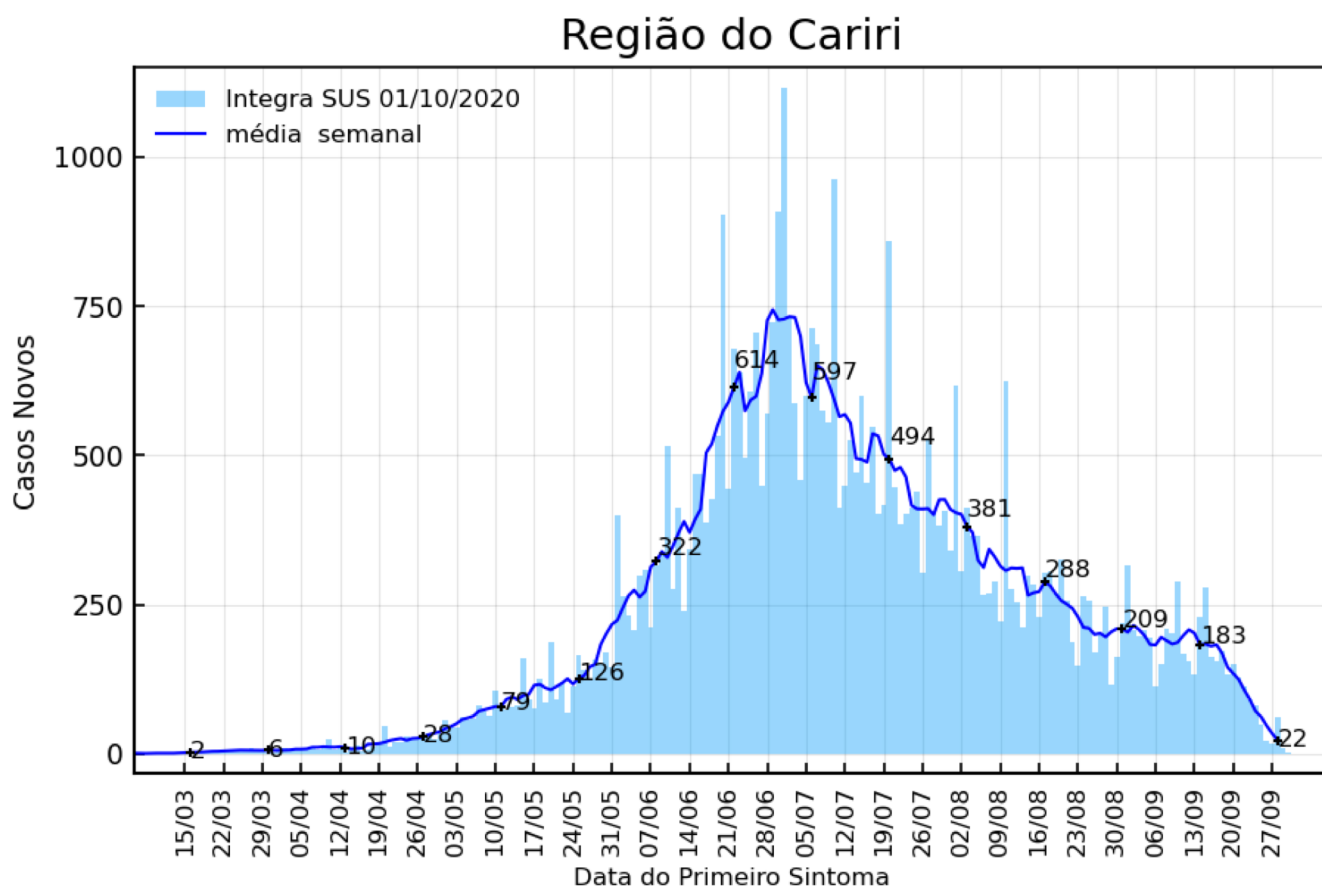
Dados atualizados em 01/10/2020



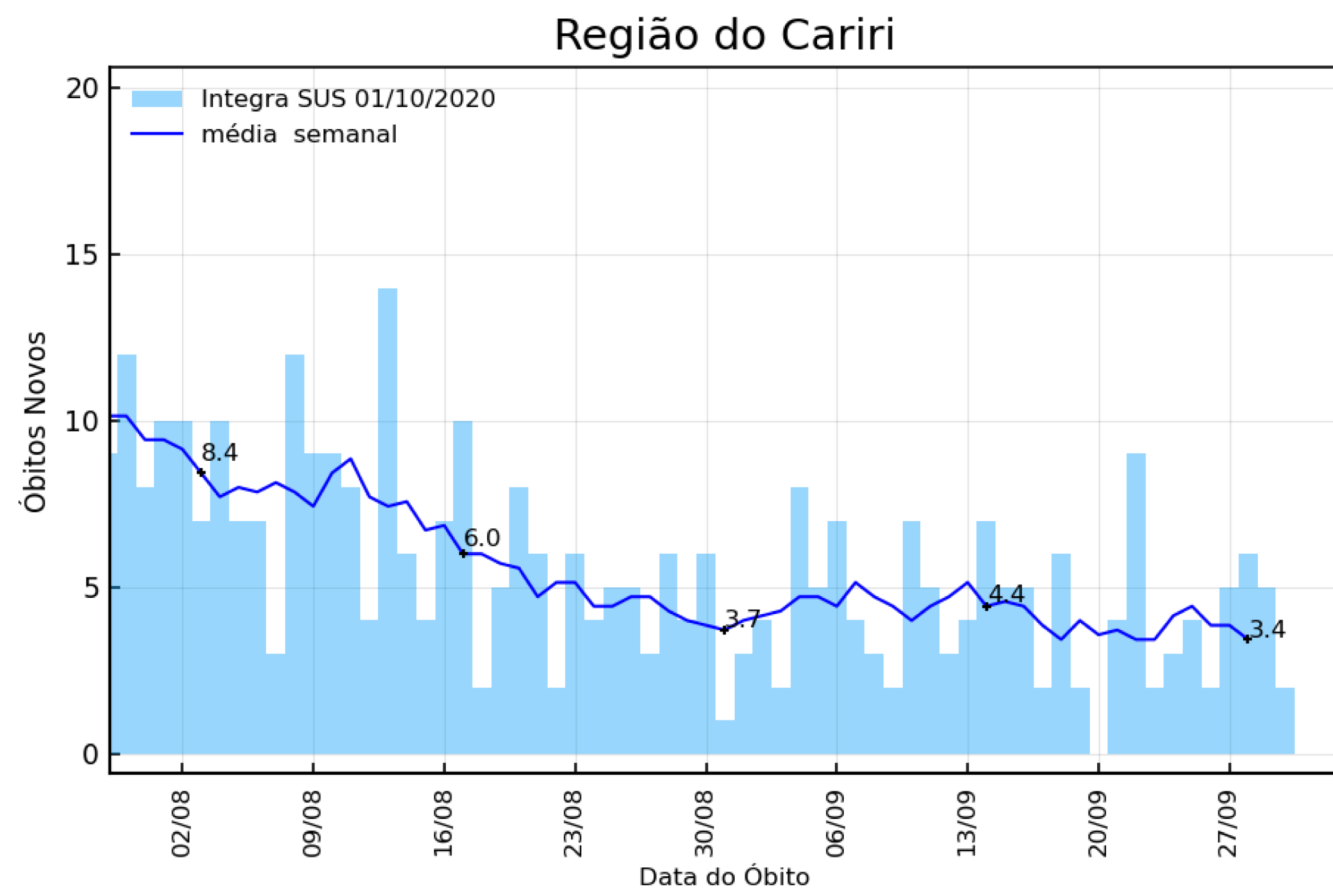
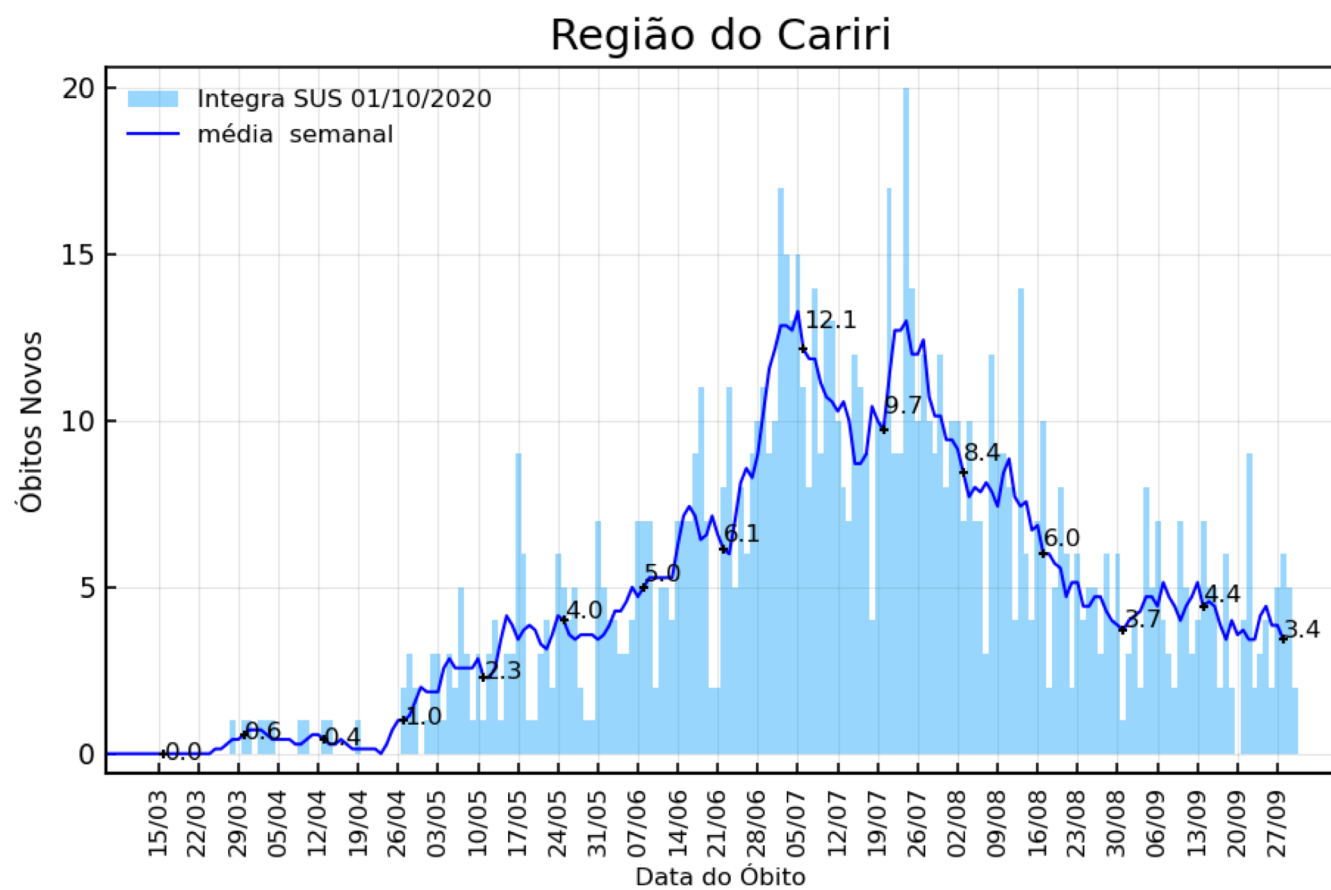
Janela de Inferência	R_t
29/07 – 28/08	0.80
05/08 – 04/09	0.82
12/08 – 11/09	1.07
19/08 – 18/09	0.95
26/08 – 25/09	0.95

Região Cariri

Dados atualizados em 01/10/2020

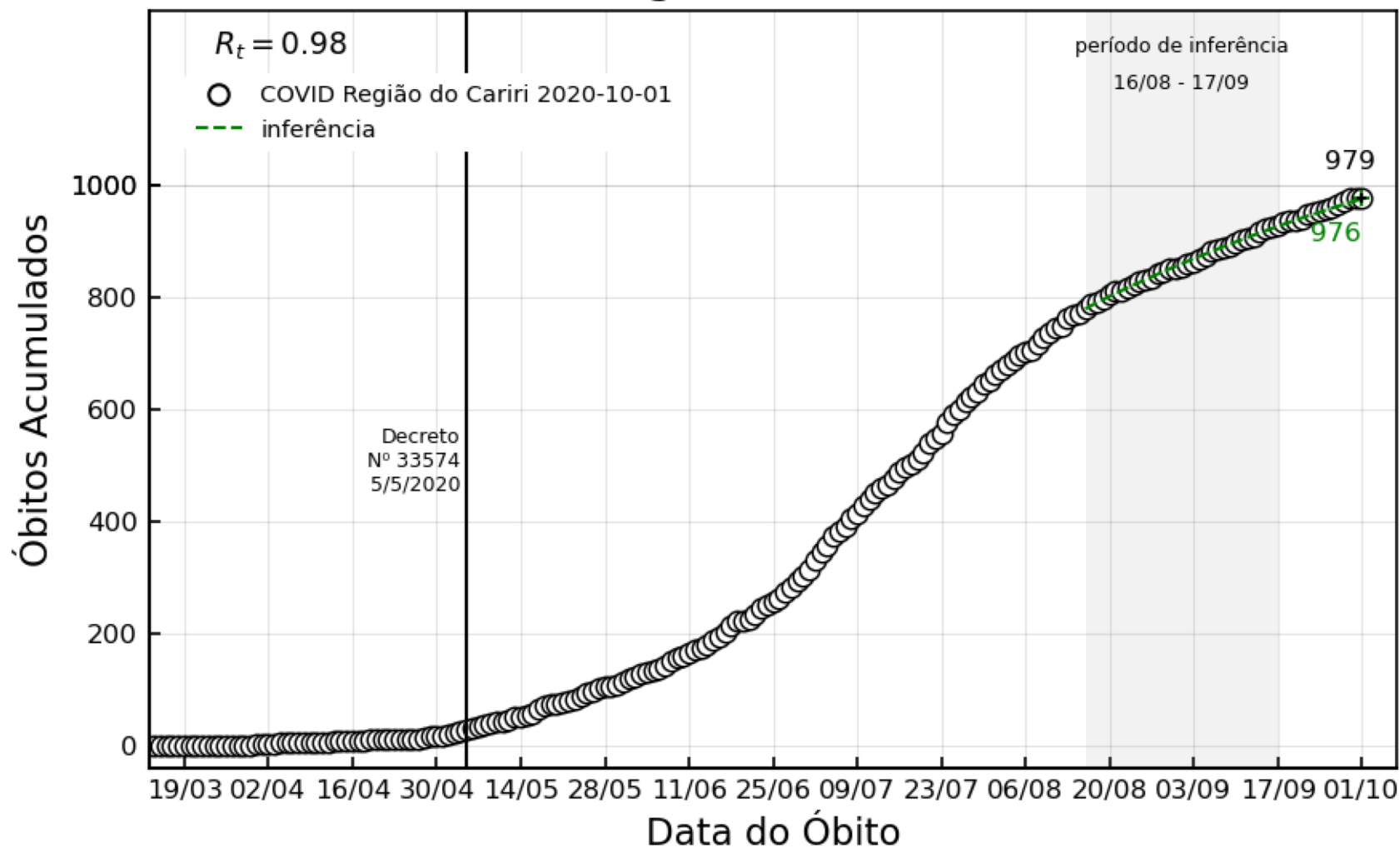


Dados atualizados em 01/10/2020



Dados atualizados em 01/10/2020

Região do Cariri

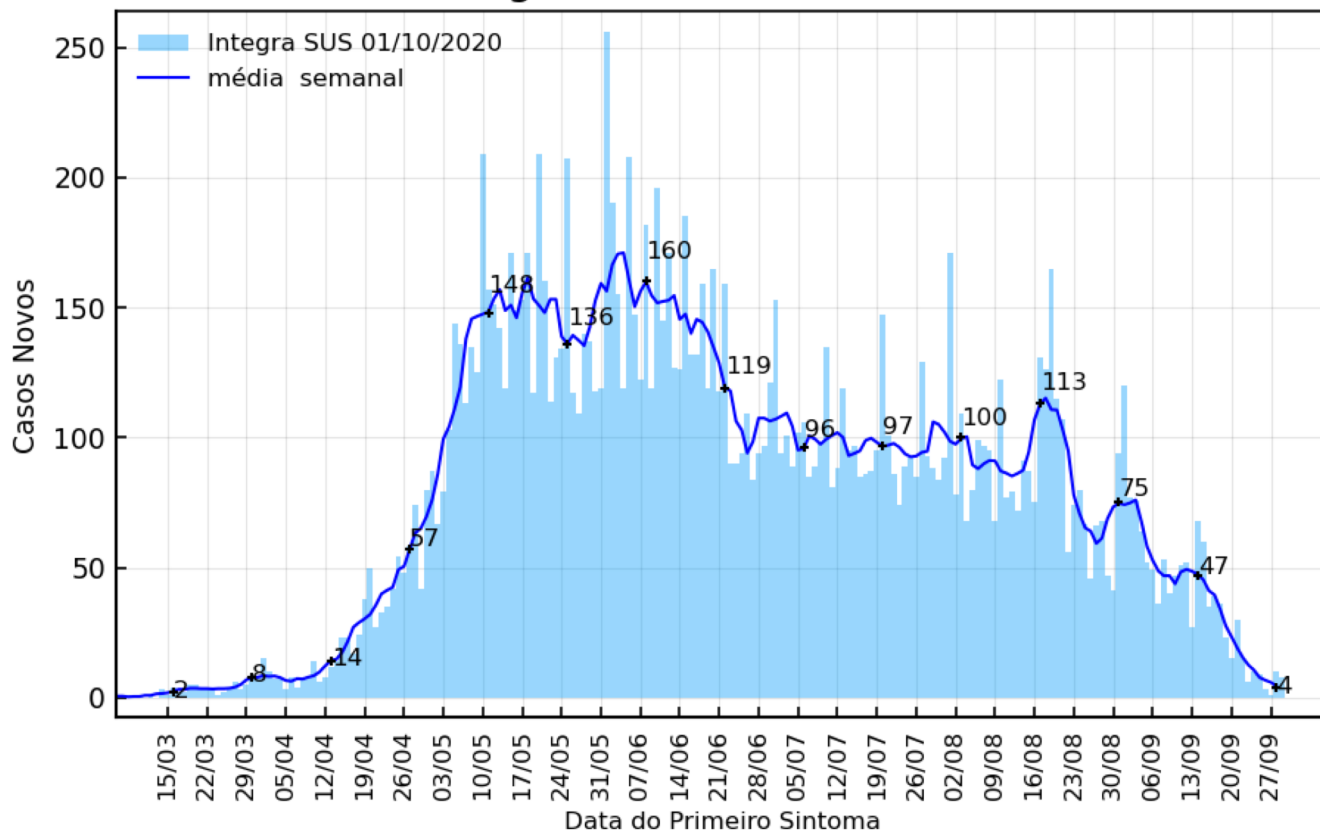


Janela de Inferência	R_t
01/06 – 05/07	1.25
07/06 – 11/07	1.23
14/06 – 18/07	1.12
21/06 – 25/07	1.02
28/06 – 30/07	1.05
05/07 – 06/08	1.08
12/07 – 13/08	0.98
19/07 – 20/08	0.89
26/07 – 27/08	0.90
02/08 – 03/09	0.84
09/08 – 10/09	0.90
16/08 – 17/09	0.98

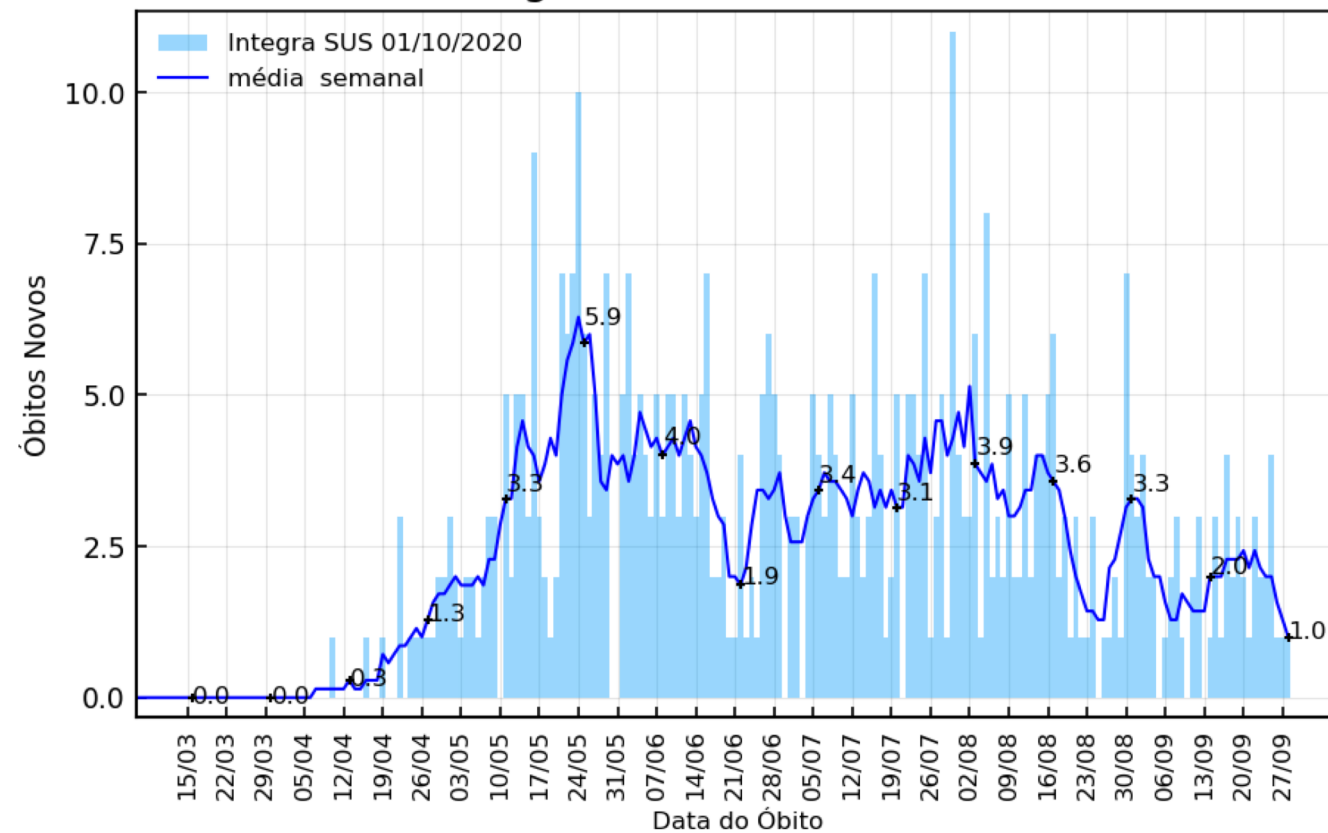
Região Sertão Central

Dados atualizados em 01/10/2020

Região do Sertão Central

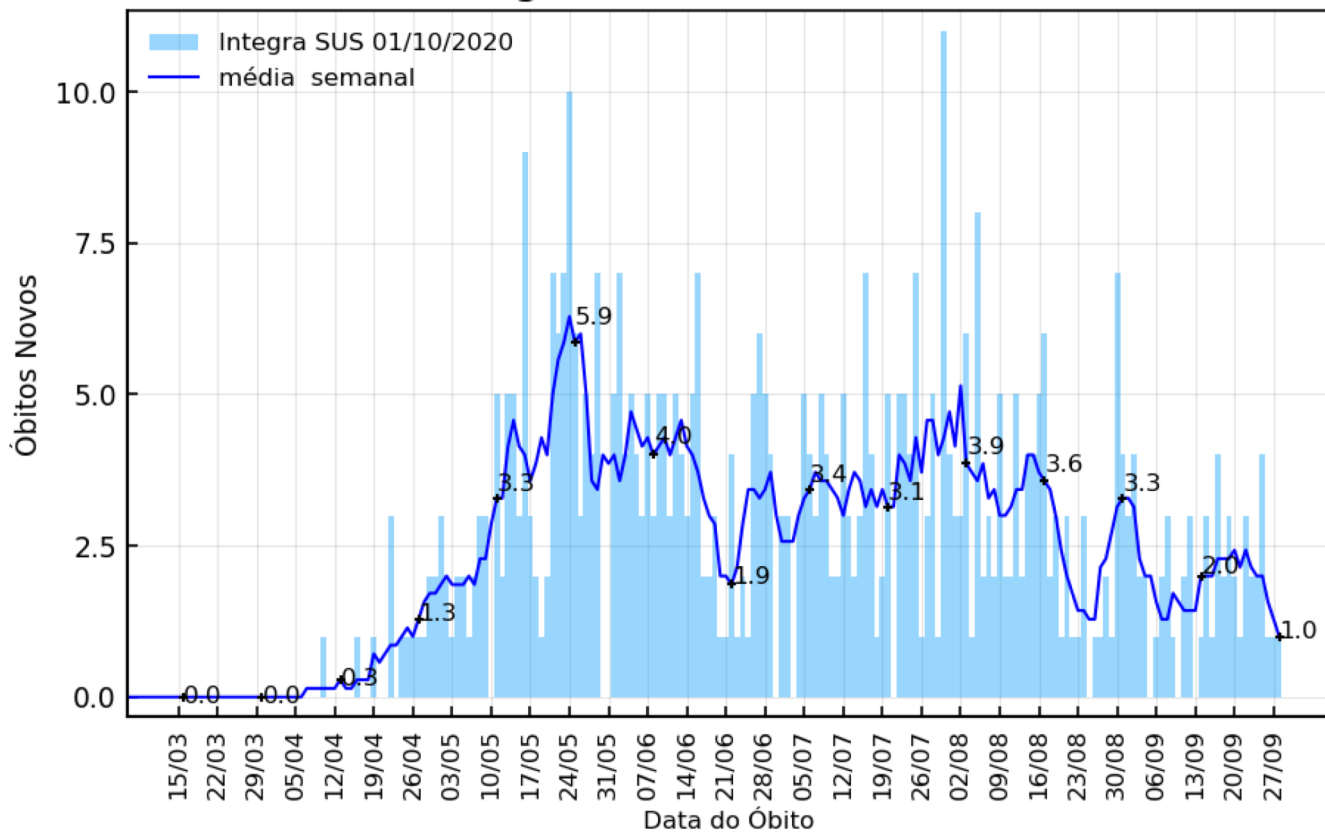


Região do Sertão Central

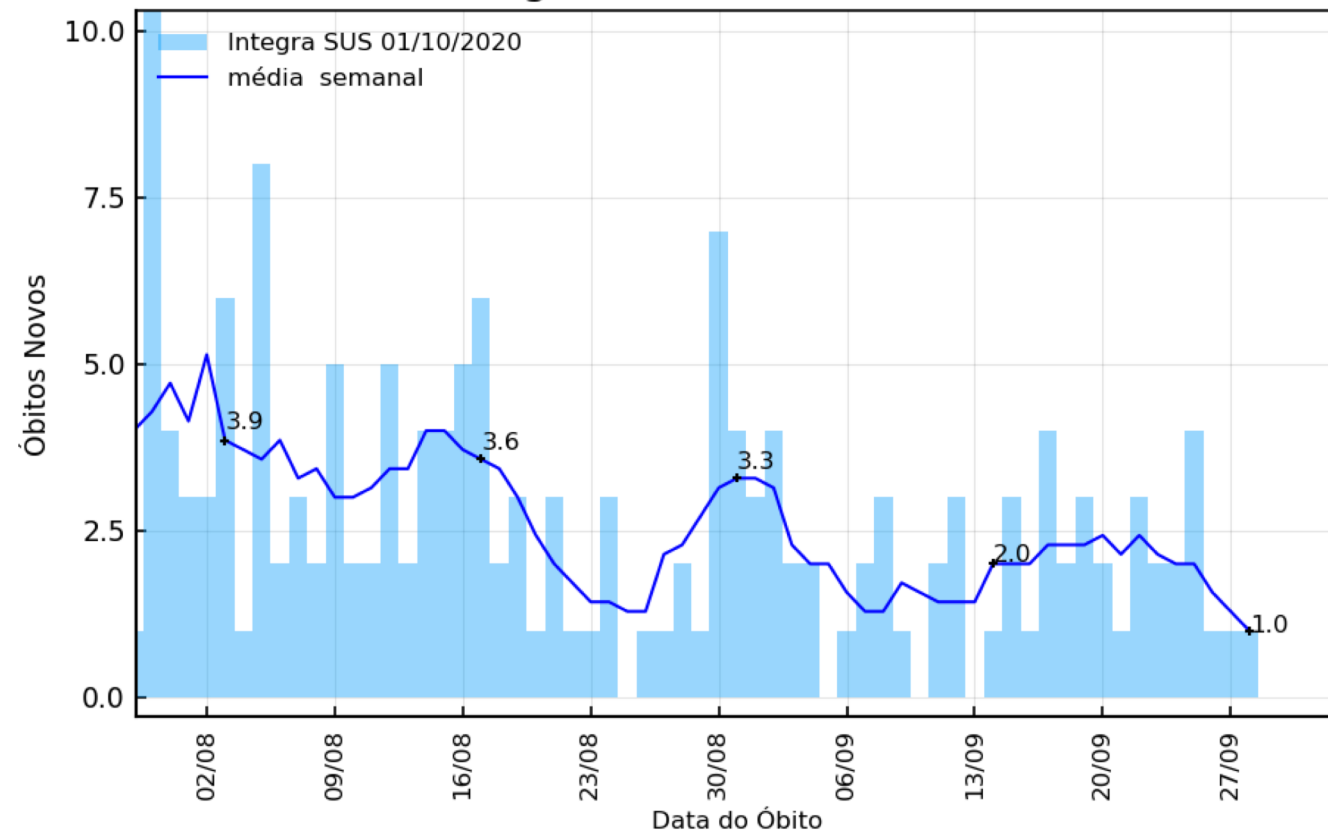


Dados atualizados em 01/10/2020

Região do Sertão Central

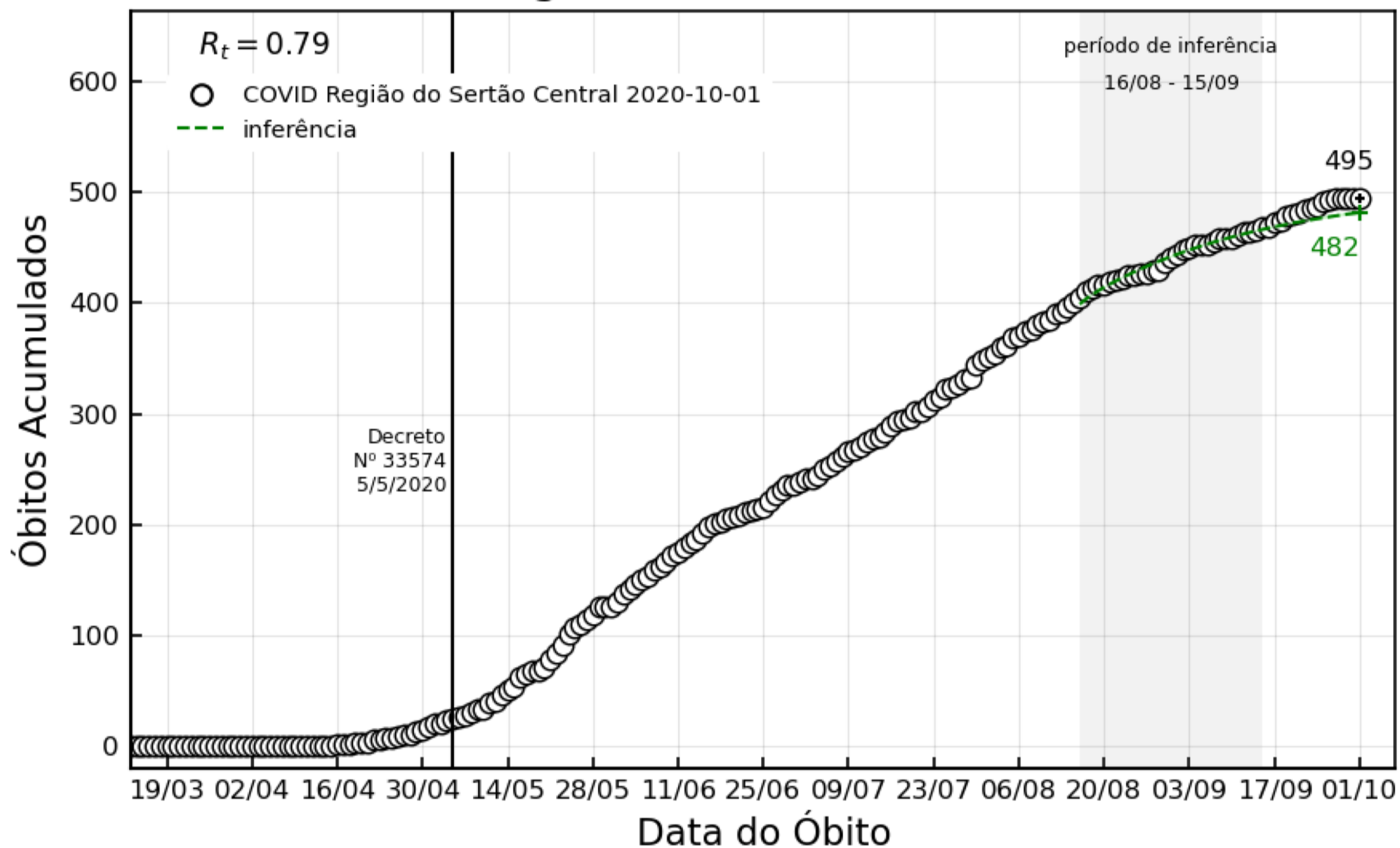


Região do Sertão Central



Dados atualizados em 01/10/2020

Região do Sertão Central



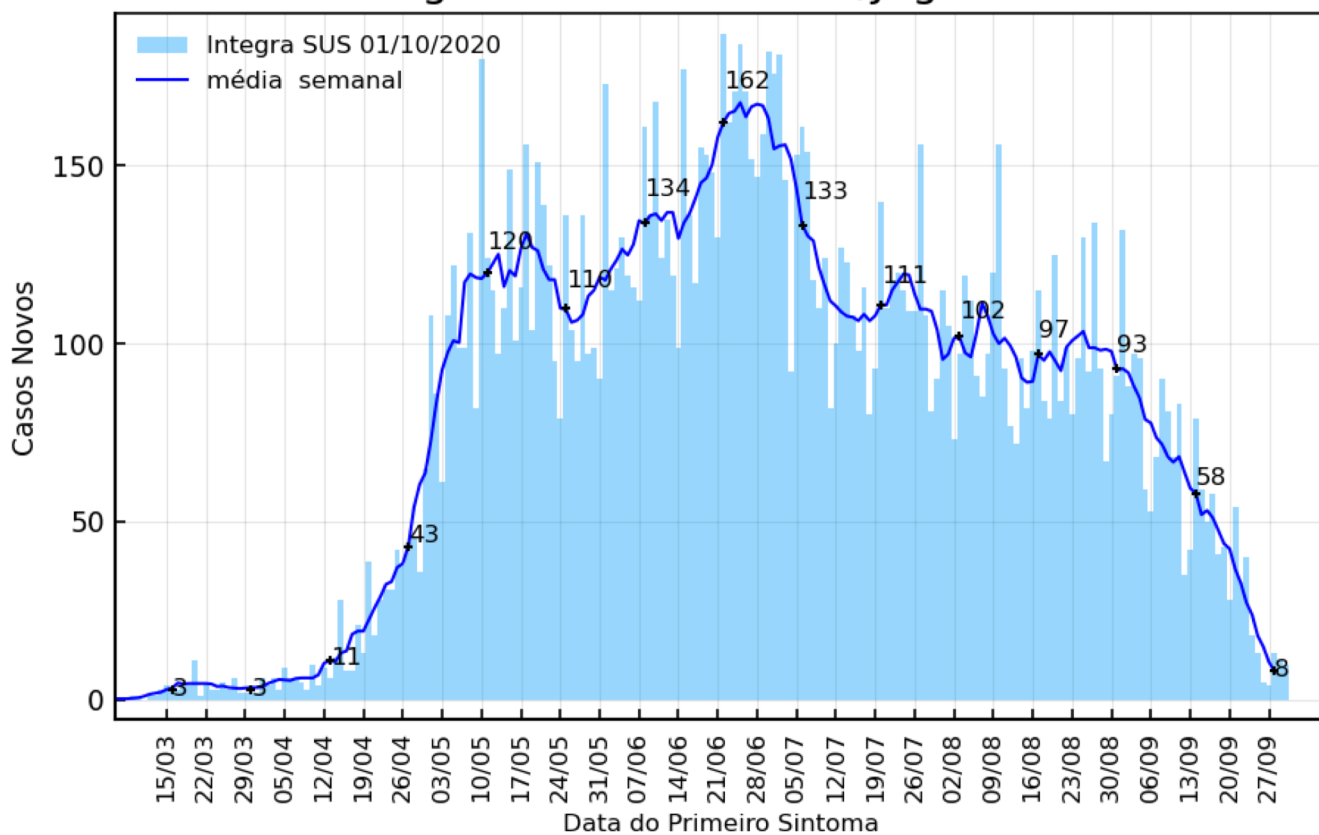
Janela de Inferência	R_t
12/07 – 13/08	1.09
19/07 – 20/08	1.06
29/07 – 31/08	0.91
05/08 – 07/09	0.78
16/08 – 15/09	0.79

Região

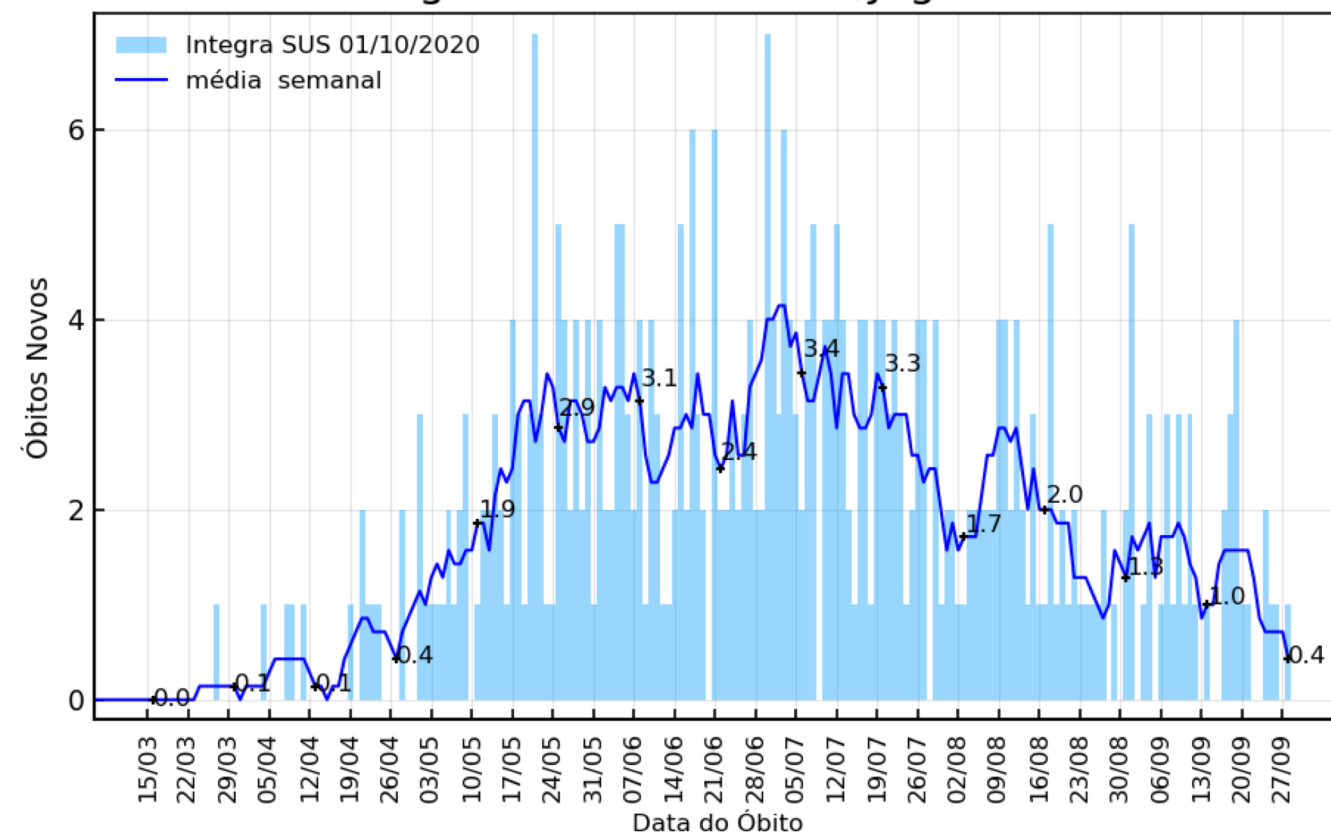
Litoral Leste/Jaguaribe

Dados atualizados em 01/10/2020

Região do Litoral Leste/Jaguaribe

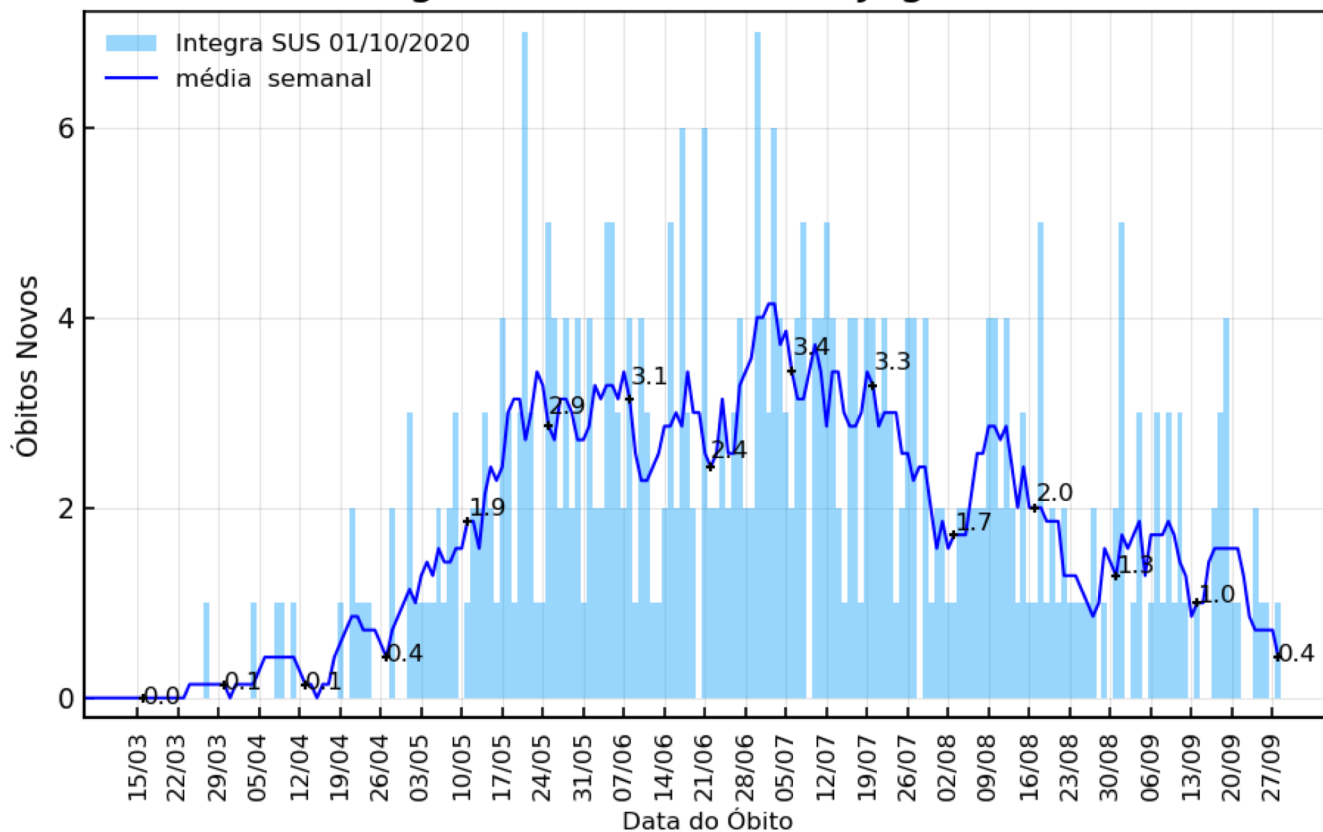


Região do Litoral Leste/Jaguaribe

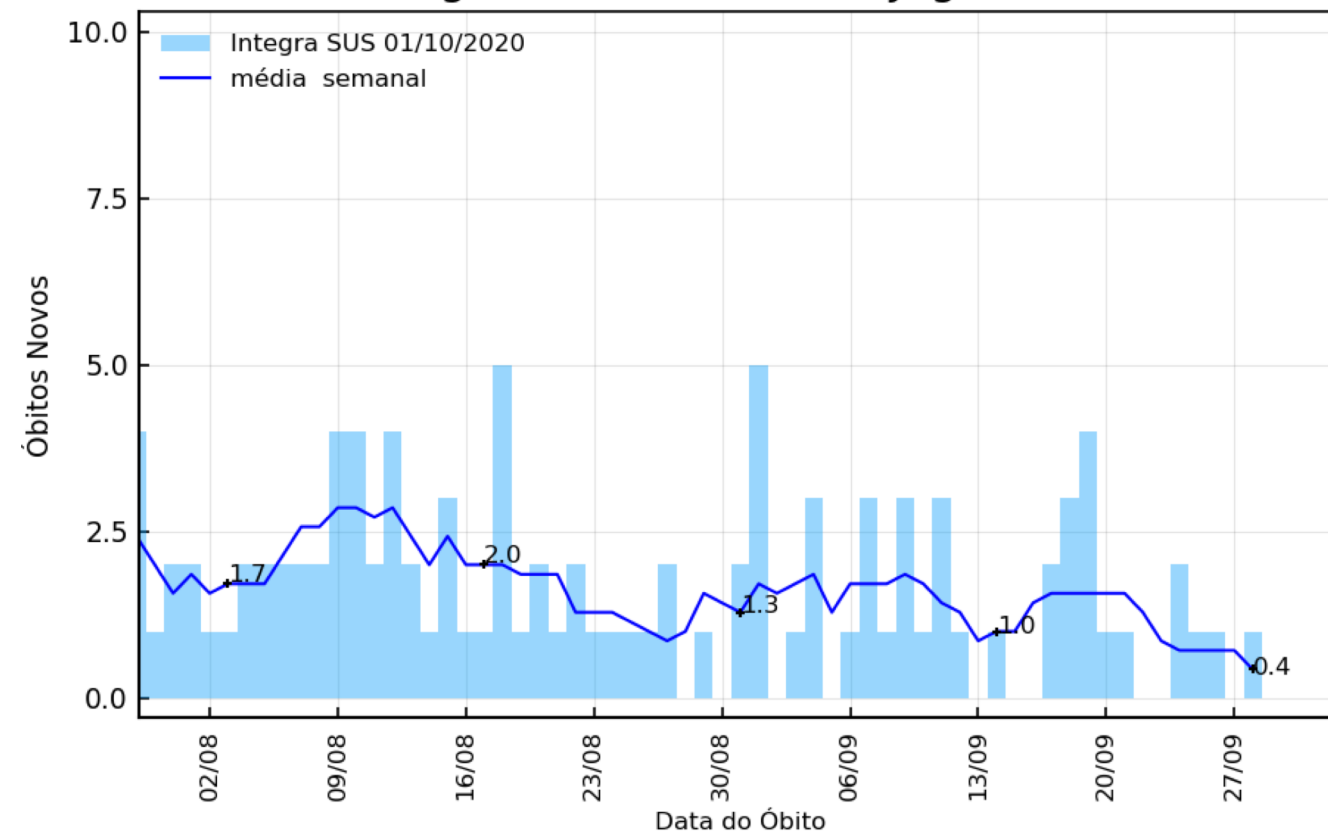


Dados atualizados em 01/10/2020

Região do Litoral Leste/Jaguaribe

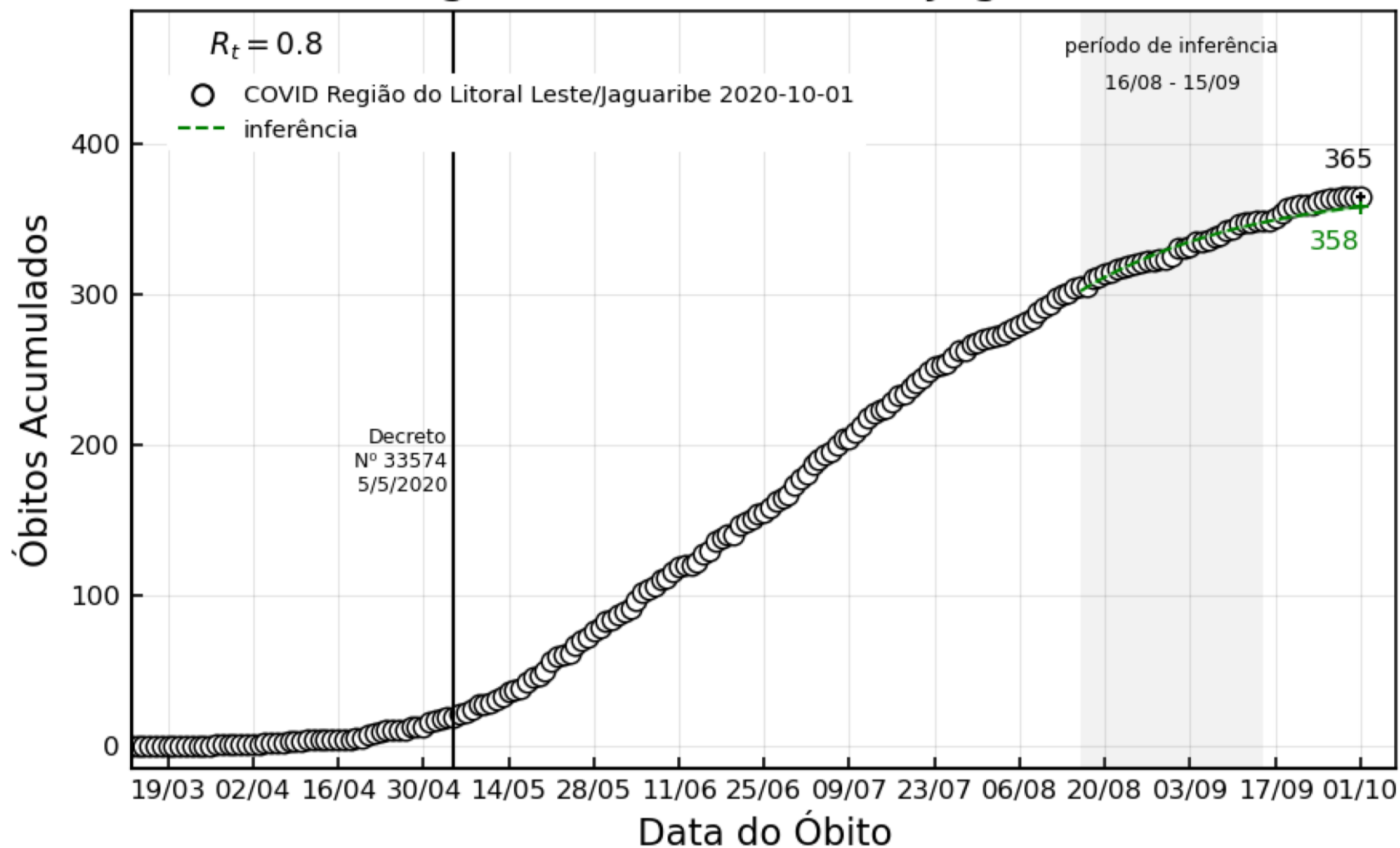


Região do Litoral Leste/Jaguaribe



Dados atualizados em 01/10/2020

Região do Litoral Leste/Jaguaribe



Janela de Inferência	R_t
12/07 – 13/08	0.91
19/07 – 20/08	0.99
29/07 – 31/08	0.90
05/08 – 07/09	0.81
16/08 – 15/09	0.80