

The role of Statistics in fighting COVID: CEAUL's contributions

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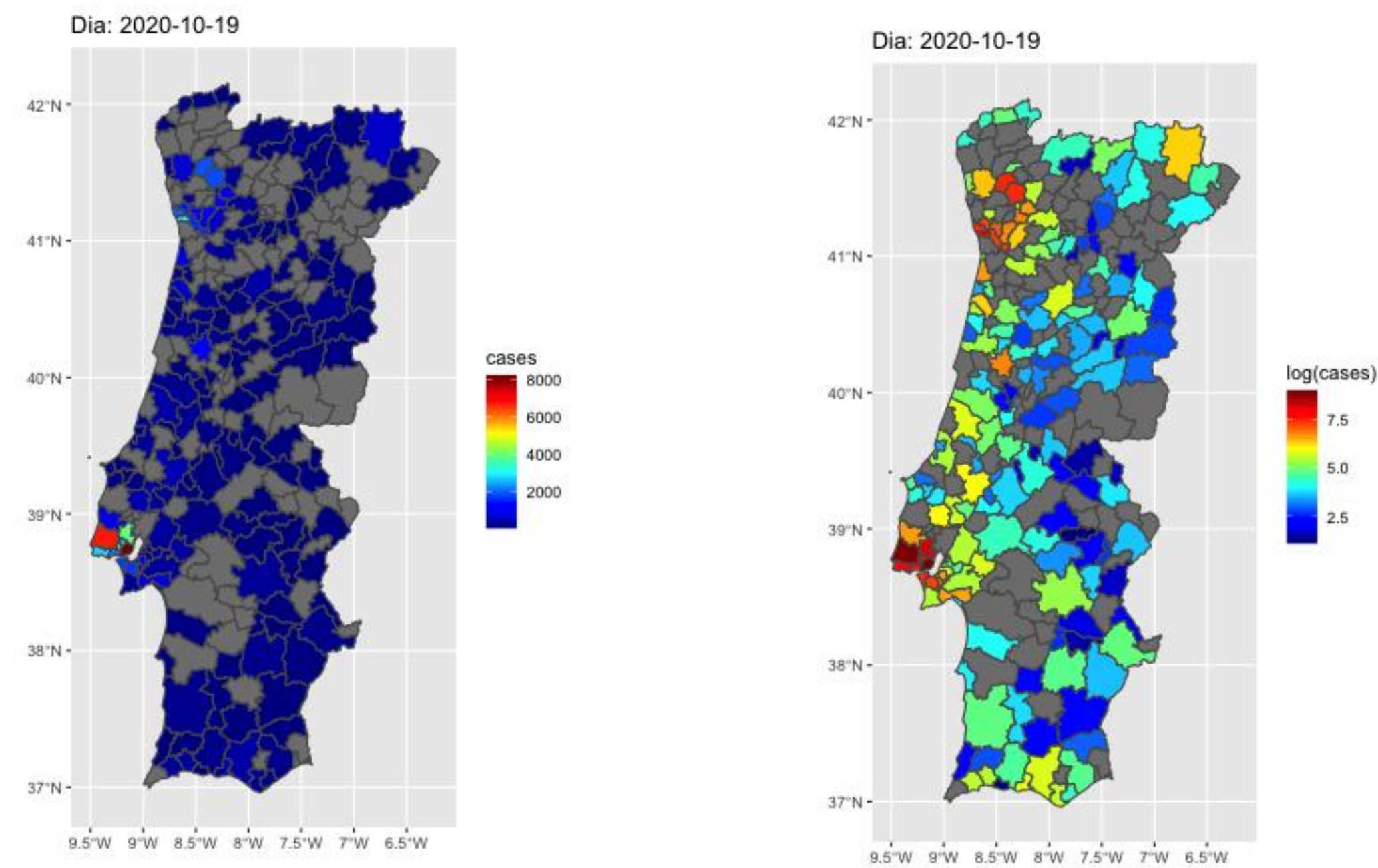
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Our collective lives have changed in 2020, from a world BC (before COVID) to a world AC (after COVID). CEAUL also tried to contribute to the war effort that citizens and institutions have conducted against the SARS-COV-2 virus and the infectious disease it is responsible for, COVID-19. Fighting a pandemic requires reliable information and robust methods. Here we report on a number of efforts that have been developed within CEAUL. These include making available reliable data by processing DGS's data and making it readily available via a git hub repository, development of visualization tools that allow us to understand how the disease spreads in Portugal, contributions to media outlets providing reliable information and interpretation of reported numbers, and direct contribution to projects like COVIDTECT that have as ultimate goal understand how to monitor the disease and develop an early warning system for future outbursts.

Interactive Maps

These maps represent the evolution of the number of confirmed cases of COVID-19 per municipality in Continental Portugal, in the original scale (map on the left) and in the logarithmic scale (map on the right).



Reliable Information

In the COVID-19 section of our website you can find sources that we believe are safe and reliable.

[Royal Statistical Society - Guide for a better interpretation of the statistics behind COVID-19](#)

[International Statistical Institute - Repository of the International Statistics Institute for resources related to the Covid-19 pandemic](#)

► Data sources

► Opinion articles

► Reference articles in the media

► Be a statistician for a few minutes

► Resources for realizing COVID-19 using R

► Numbers (ab) used

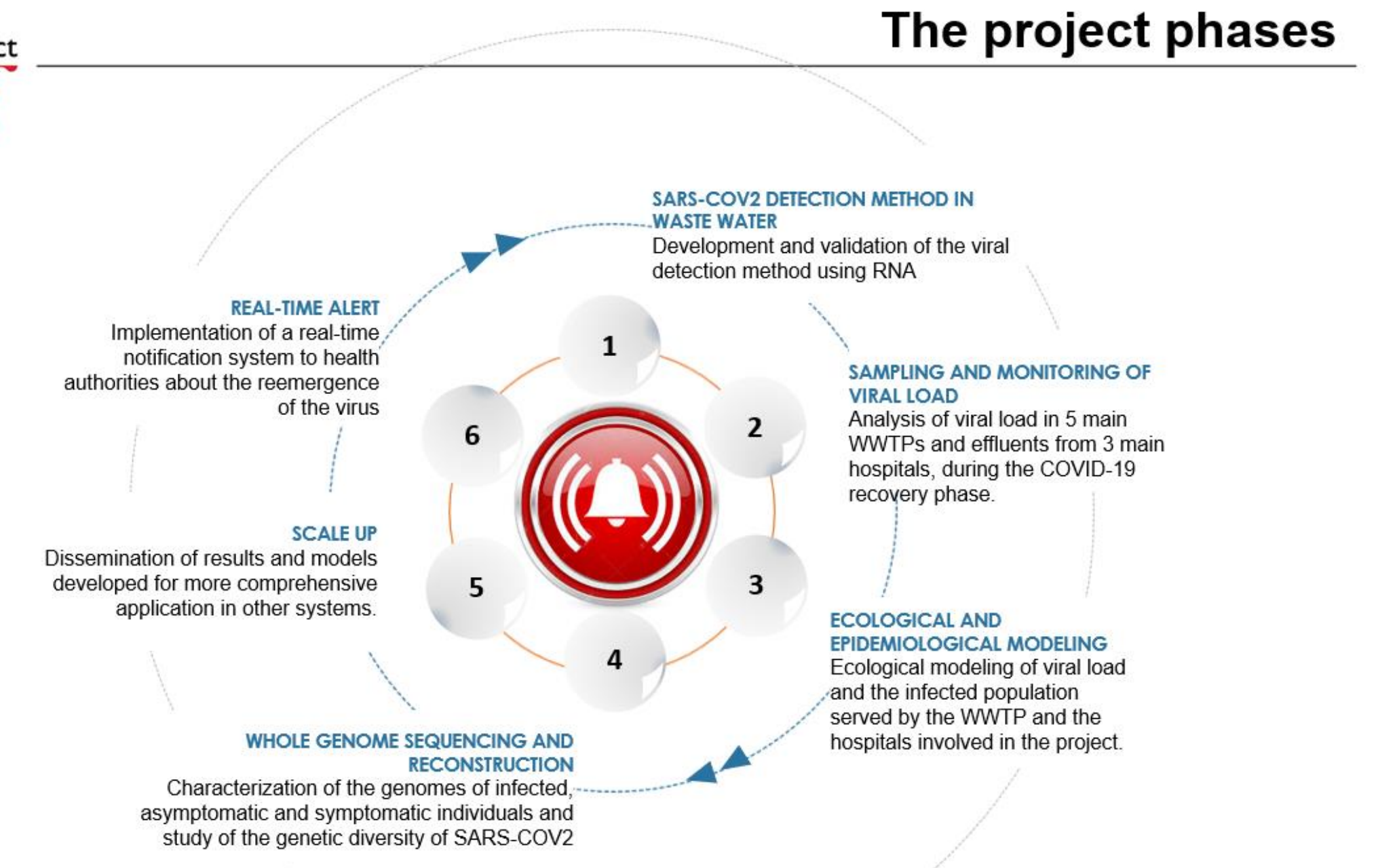
► It's not our specialty but (about the virus)

► Reference Papers

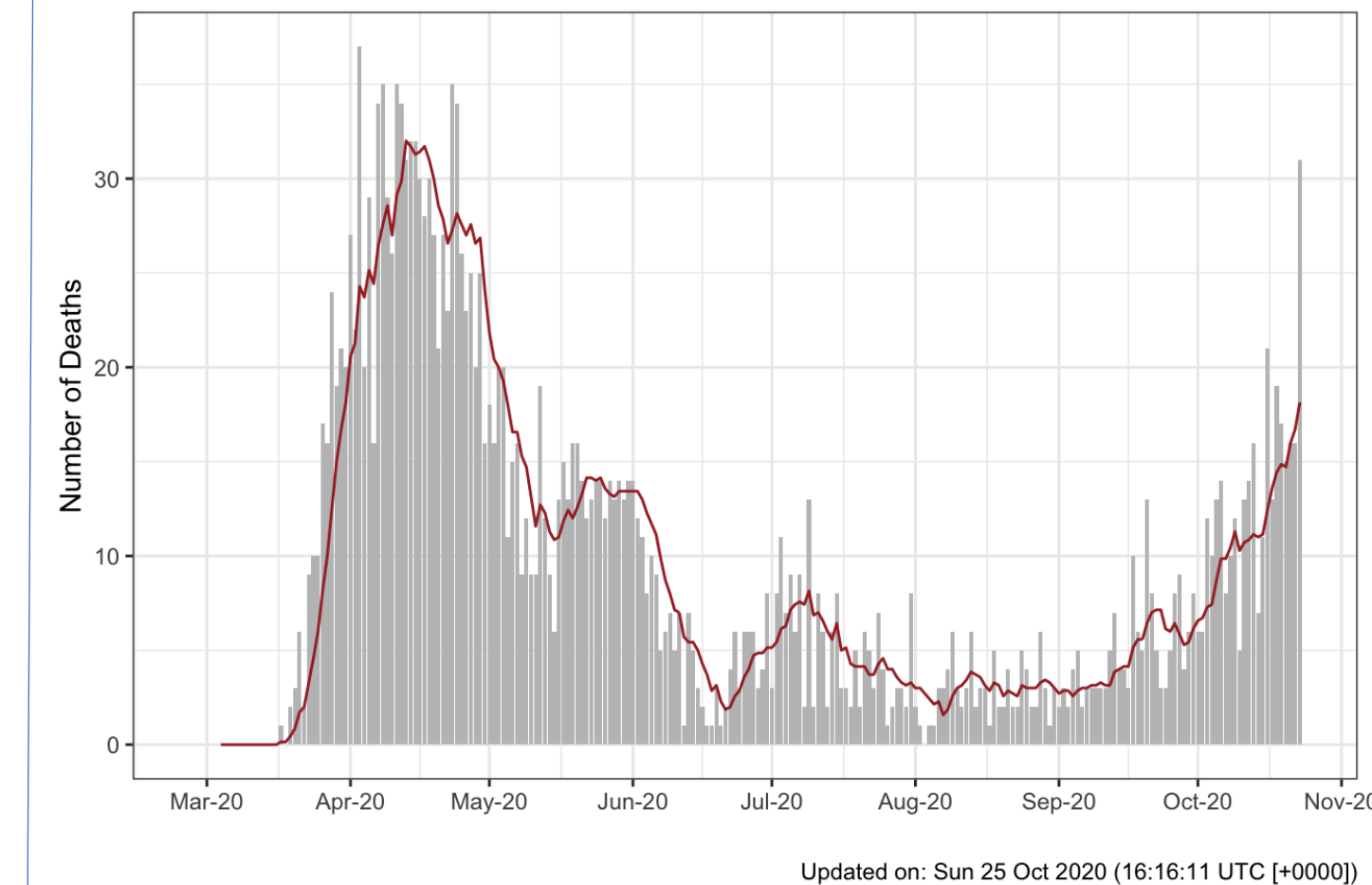
Media



Project COVIDetect



COVID-19 Portugal: Number Daily Deaths with 7 Day Rolling Mean

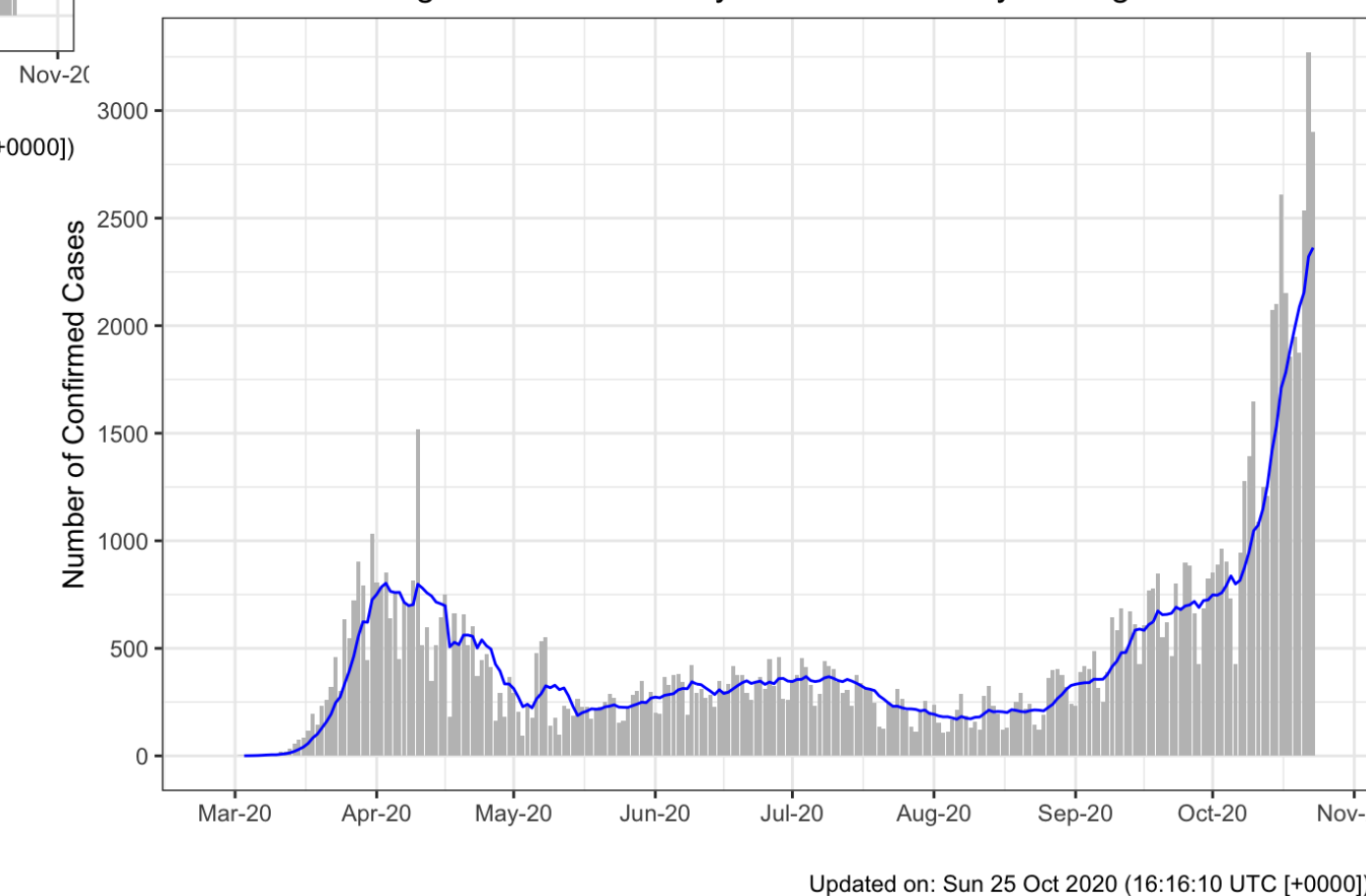


CEAUL is hosting a user friendly version of the Portuguese COVID-19 data (with all the code) in a GitHub repository to share with the community at large. We intend make more of our projects available via GitHub.

GitHub Repository: Daily Portuguese COVID-19 Data

GitHub is a web based system of collaborating on projects using git repositories, users can find the latest project files with the tracked changes (i.e. history) made to them including by whom.

COVID-19 Portugal: Confirmed Daily Cases with 7 Day Rolling Mean



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