

The COVID-19 challenge

A collaborative platform to aid the COVID19 response

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R Epidemics Consortium

Consortium for epidemics analysis and outbreak response using R

<http://www.repidemicsconsortium.org>



Repositories 70



Packages



People 5



Projects

Pinned repositories



incidence

Compute and visualise incidence



☆ 53

🔗 13



outbreaker2

Disease outbreak reconstruction from epidemiological and genetic data



☆ 15

🔗 11



learn

RECON learn: a free, open platform for training material on epidemics analysis



HTML

☆ 26

🔗 23



epicontacts

Handling, Visualisation and Analysis of Epidemiological Contacts



☆ 8

🔗 8



aweeek

Convert dates to arbitrary week definitions



☆ 10

🔗 4



deployer

Self-contained R environment on a thumb drive



☆ 5

🔗 2

RECON and COVID19

- Recon and covid19 examples, plots, photos

The covid19 challenge

- Lack of feedback from the field
- Lack of communication with the R community
- <https://github.com/reconhub/covid19hub>
- Fig1



Task definition

- A modification for an existing function
- Suggestion for a new package
- Request for a new function/functionality in an existing package
- A new Rmarkdown analysis template
- An ad hoc function, not necessarily inside an existing package (but discouraged, add to packages where possible)
- Training resources (practicals, lectures, videos, ...)
- Code reviews for existing code
- Testing existing features
- Limited to COVID-19 specific tasks

Task lifecycle

	Field agent	R programmer	Project board	Package maintainer
1	Opens task			
2			Validates task	
3		Assigns him/herself task		
4	Resolve task			
5		Pull request		
6				Merge code to package
7	Closes task			

DEMO

Ongoing questions

Milestones

- Initial release: Septembre 2020
- Second release: October 2020

Join the response against COVID19!

- Add recon twitter + covid19 twitter
- Presentation link:
- Platform link: www.tasks.repidemicsconsortium.org
- RECON website: <https://github.com/reconhub/covid19hub/issues>
- RECON packages: <https://github.com/reconhub/>
- RECON issues: <https://github.com/reconhub/covid19hub/issues>
- My email
- My github
- Presentation abstract:
<https://sites.google.com/view/dscc-19/call-to-action-matthieu-rolland?authuser=0>
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