

Épidémie du coronavirus COVID-19

Références :

-  [Coronavirus disease 2019](#)
-  [Maladie à coronavirus 2019](#)
- [Coronavirus COVID-19 Global Cases by Johns Hopkins CSSE](#)
- [Coronavirus \(COVID-19\) Mortality Rate](#)
- data : https://github.com/CSSEGISandData/COVID-19/tree/master/csse_covid_19_data

Programmes de représentations



Simulations numériques



: master équation de Pauli (relaxation collisionnelle) et applicabilité (et limitation) aux épidémies...

Représentations et simulations existantes

- [Understanding the Coronavirus Epidemic Data - Towards Data Science](#)
- [DXY-COVID-19-Data/README.en.md at master · BlankerL/DXY-COVID-19-Data · GitHub](#)
- [Behind the Coronavirus Mortality Rate - Towards Data Science](#)
- [Reporting, epidemic growth, and reproduction numbers for the 2019-nCoV epidemic: understanding control](#)
- [How epidemics like COVID-19 end \(and how to end them faster\), 19/02/2020, Washington Post](#)
- [Getting data about Coronavirus with Python in Italy](#) Posted by pythonprogramming on 26/02/2020
- [Coronavirus Data Science](#) Jupyter notebooks and python scripts,
- [ExpDev07/coronavirus-tracker-api: A simple and fast \(< 200ms\) API for tracking the global coronavirus \(2019-nCoV\) outbreak. It's written in python using the Flask framework.](#)
- [YiranJing/Coronavirus-Epidemic-2019-nCov: Covid-19 estimation and forecast using statistical model; 新型冠状病毒肺炎统计模型预测](#)
- [temp3rr0r/CellularAutomataEpidemicModels: Stochastic Cellular Automata epidemic models in Python with 2D simulations](#)
- [GiulioRossetti/ndlib: Network Diffusion Library - \(for NetworkX and iGraph\)](#)
- [zafarali/disease-network-model: A Model To Simulate Diseases on a Network Structure](#)
- [branchwelder/KillAllAgents: An agent-based model of infectious disease spread.](#)
- [j-i-l/EndemicPy: Python package to simulate a vast range of transmission processes on various structures](#)
- Jupyter notebooks :

- <https://github.com/pdtyreus/coronavirus-ds>
- [Coronavirus data visualizations using Plotly](#)
- Modèle SEIR appliqué à l'épidémie en Chine : [Phase-adjusted estimation of the number of Coronavirus Disease 2019 cases in Wuhan, China](#) Wang, H., Wang, Z., Dong, Y. et al. Cell Discov 6, 10 (2020) DOI: 10.1038/s41421-020-0148-0

Références

- <https://dial.uclouvain.be/memoire/ucl/en/object/thesis:4627>
- [Numerical simulation of a spatial – temporal model of epidemic distribution - IOPscience](#)
- [Epidemic Simulation](#)
- [Mathematical simulations in medicine and biology](#)
- [epydemic: Epidemic simulations on networks in Python — epydemic 0.1.0 documentation \[1503.04066\]](#) Compensating for population sampling in simulations of epidemic spread on temporal contact networks
- [Perfect counterfactuals for epidemic simulations | Philosophical Transactions of the Royal Society B: Biological Sciences](#)
- [High-resolution epidemic simulation using within-host infection and contact data](#)
- [Coronavirus : Armageddon ou Foutaise ?](#) Dr Philippe Devos, président du Syndicat Belge des Médecins ABSYM, 02/03/2020
-  [Mathematical modelling of infectious disease](#)
-  [Basic reproduction number](#)
-  [Compartmental models in epidemiology](#)
 - **SEIR model**
-  [Modèles compartimentaux en épidémiologie](#)

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