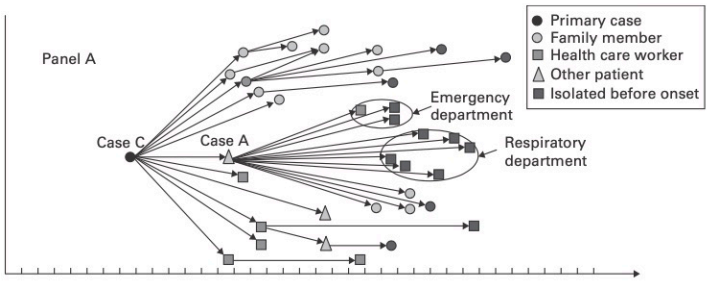
SOFTWARE

GRAPHICAL DISPLAY OF OUTBREAKS: TRANSMISSION TREES

30.06.2020

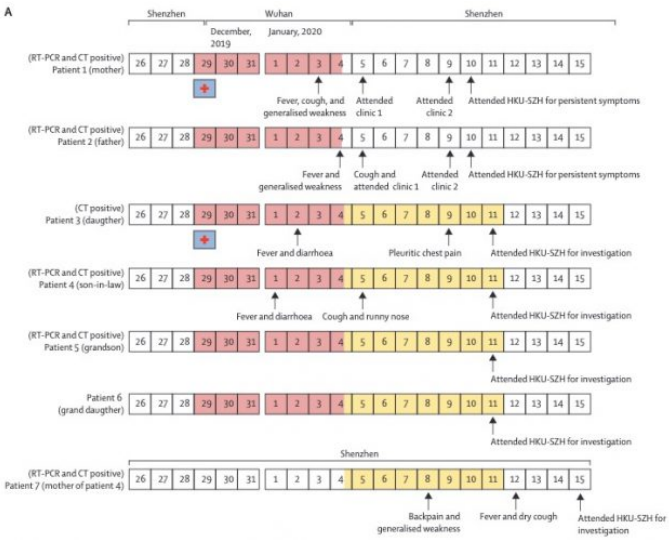
Let’s start with some examples from the literature, find out necessary elements, compare different versions and develop a R template for general use.

“Exploding Stars”



CDC Field Epidemiology Handbook, 2019, ISBN 9780190933692 p115

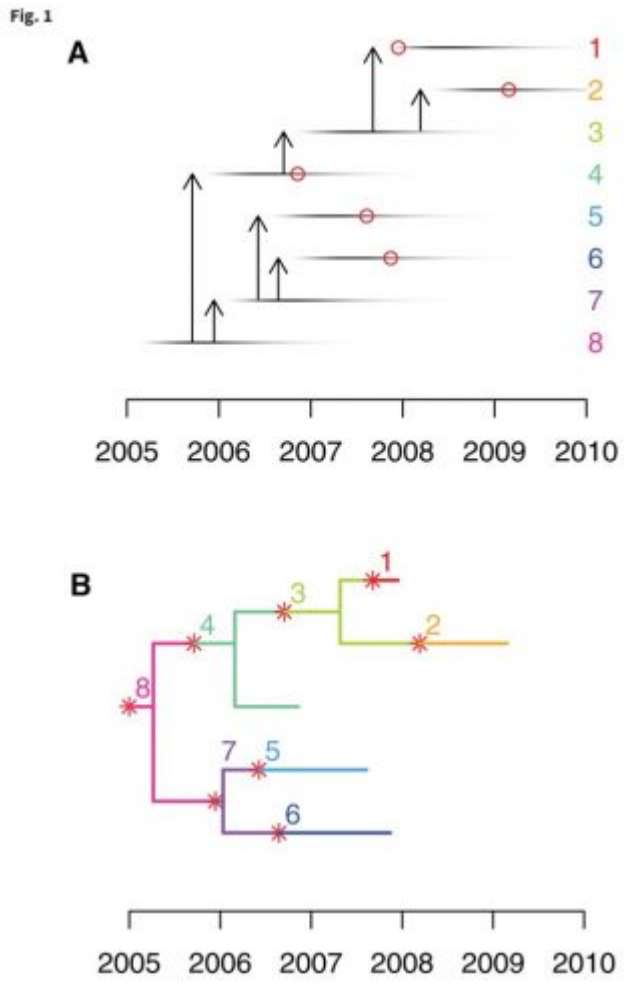
“Tetris”



https://doi.org/10.1016/S0140-6736(20)30154-9 (2020)

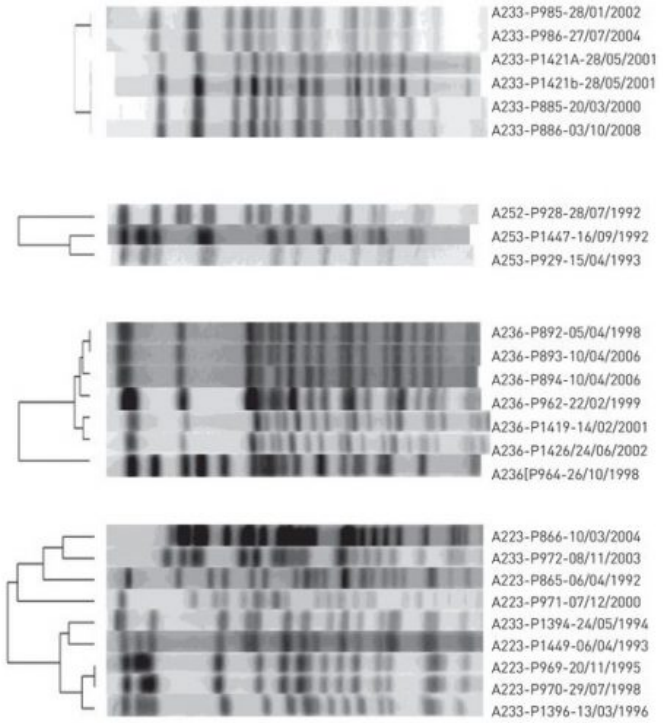
“Clean Undeterministic”

“Clean Tree”



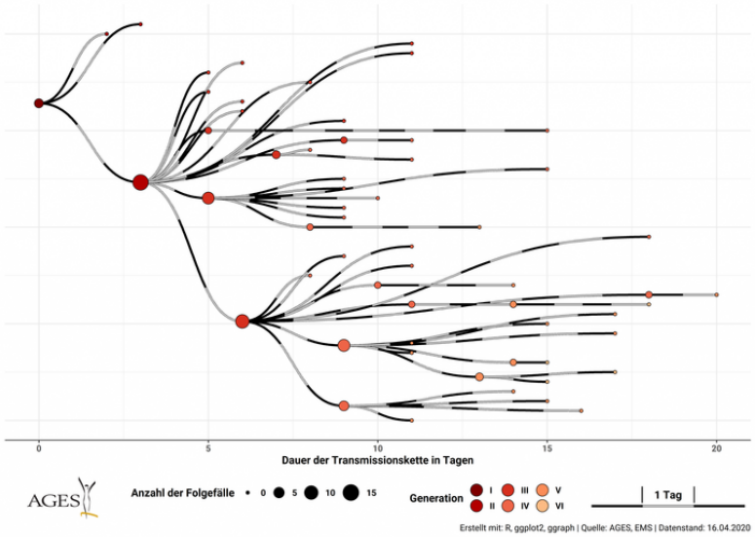
https://academic.oup.com/mbe/article/34/4/997/2919386

“Tree Addons”



https://openres.ersjournals.com/content/4/2/00162-2017

“Railways”



https://www.ages.at/service/service-presse/pressemeldungen/epidemiologische-abklaerung-am-beispiel-covid-19/

“Simple ”

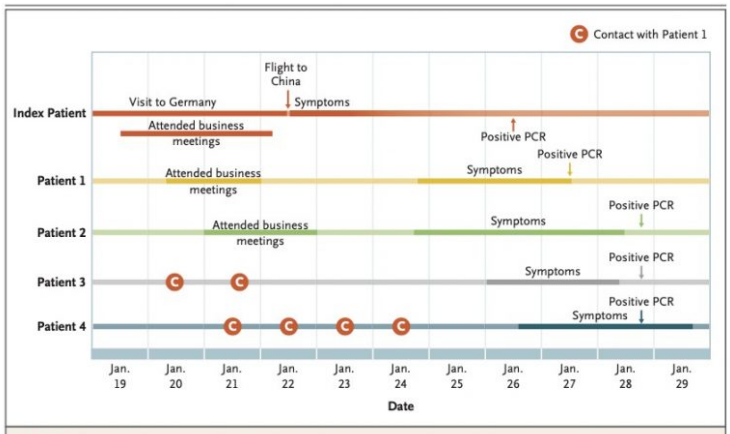
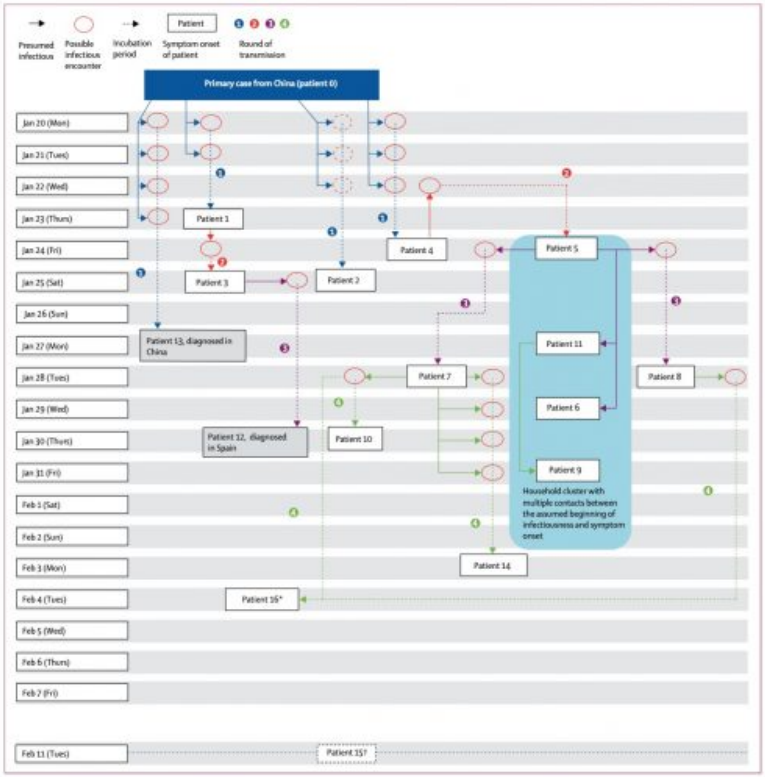


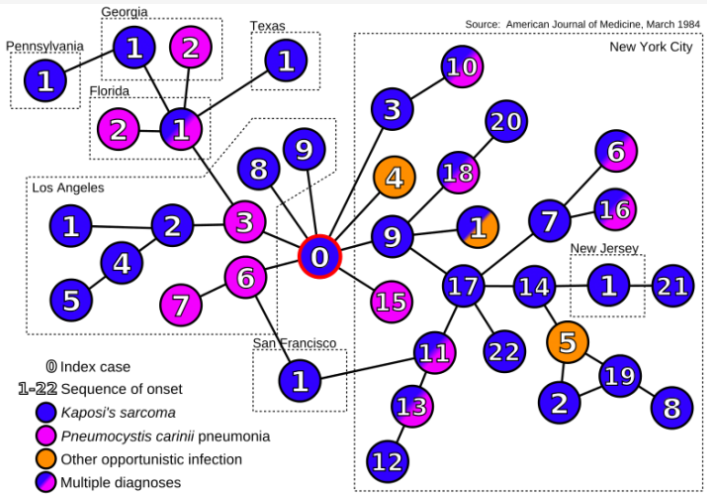
Figure 1. Timeline of Exposure to Index Patient with Asymptomatic 2019-CoV Infection in Germany.

https://www.ncbi.nlm.nih.gov/pubmed/32003551

“Vertical”

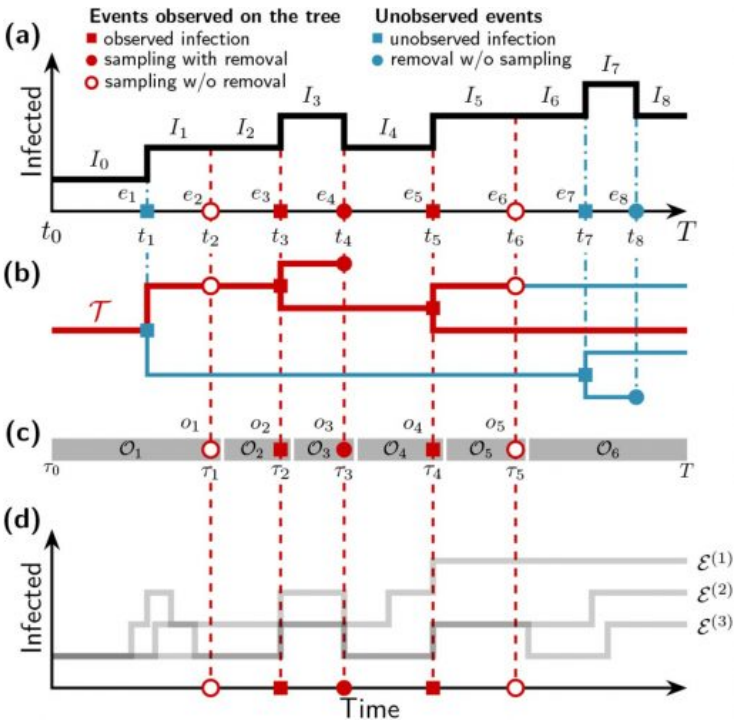


“star bus”



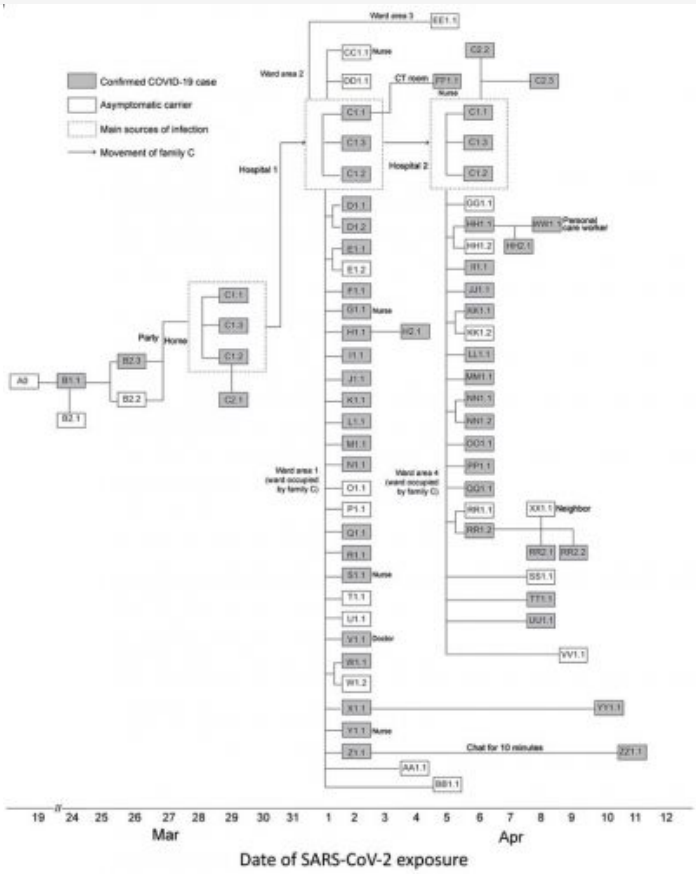
https://en.wikipedia.org/wiki/Index_case

“Mathematical”



https://www.biorxiv.org/content/10.1101/142570v3.full

“Genetics”



https://wwwnc.cdc.gov/eid/article/26/9/20-1798_article

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