



Exploratory Data Science

Course 2

Brian Pollack

10/08/19



John Snow, Cholera, and the Importance of Data Visualization



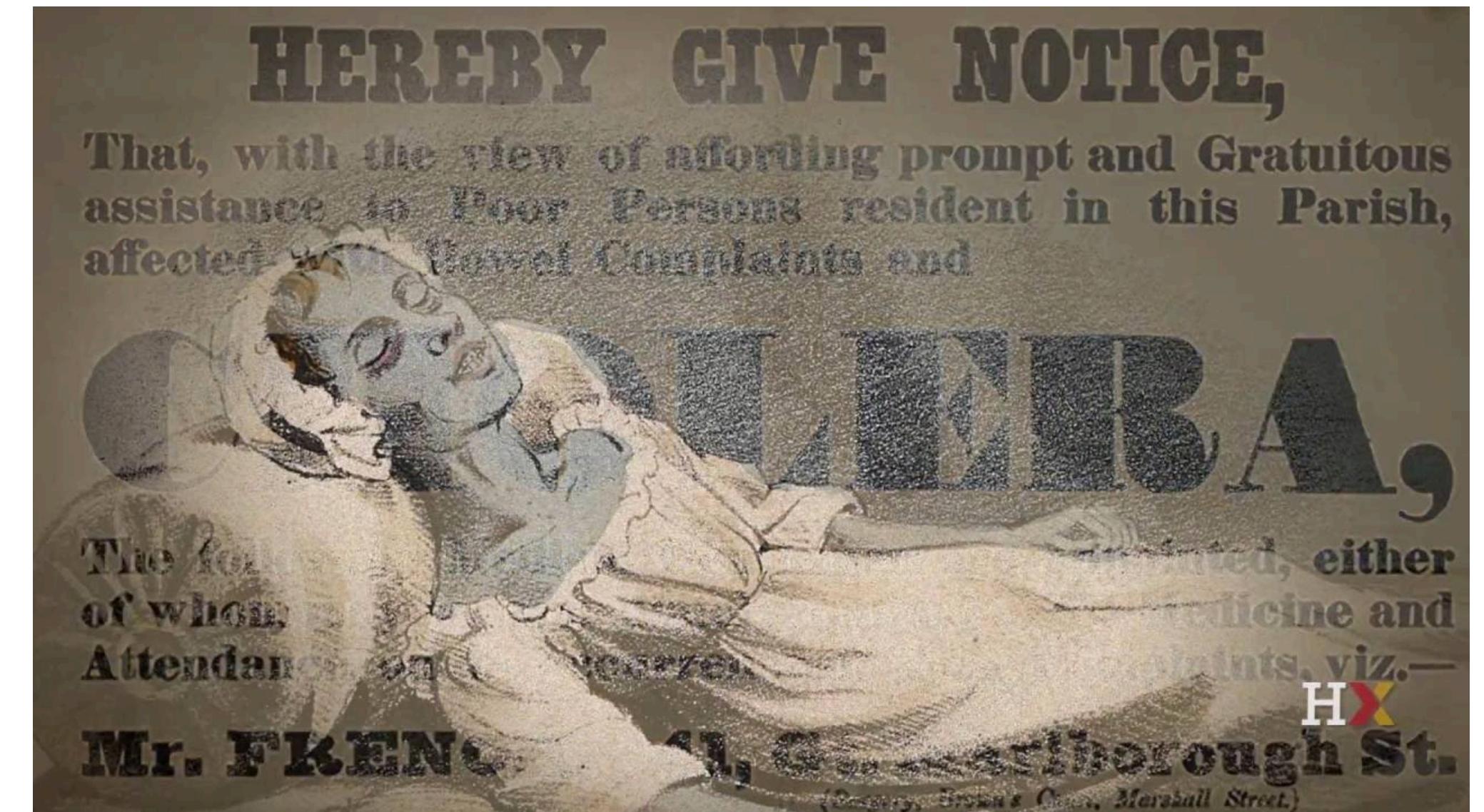
Filthy London Streets, c. 1850



John Snow, Cholera, and the Importance of Data Visualization



Filthy London Streets, c. 1850





John Snow, Cholera, and the Importance of Data Visualization



Miasma Theory: Cholera is “airborne”,
comes from filth all around us.



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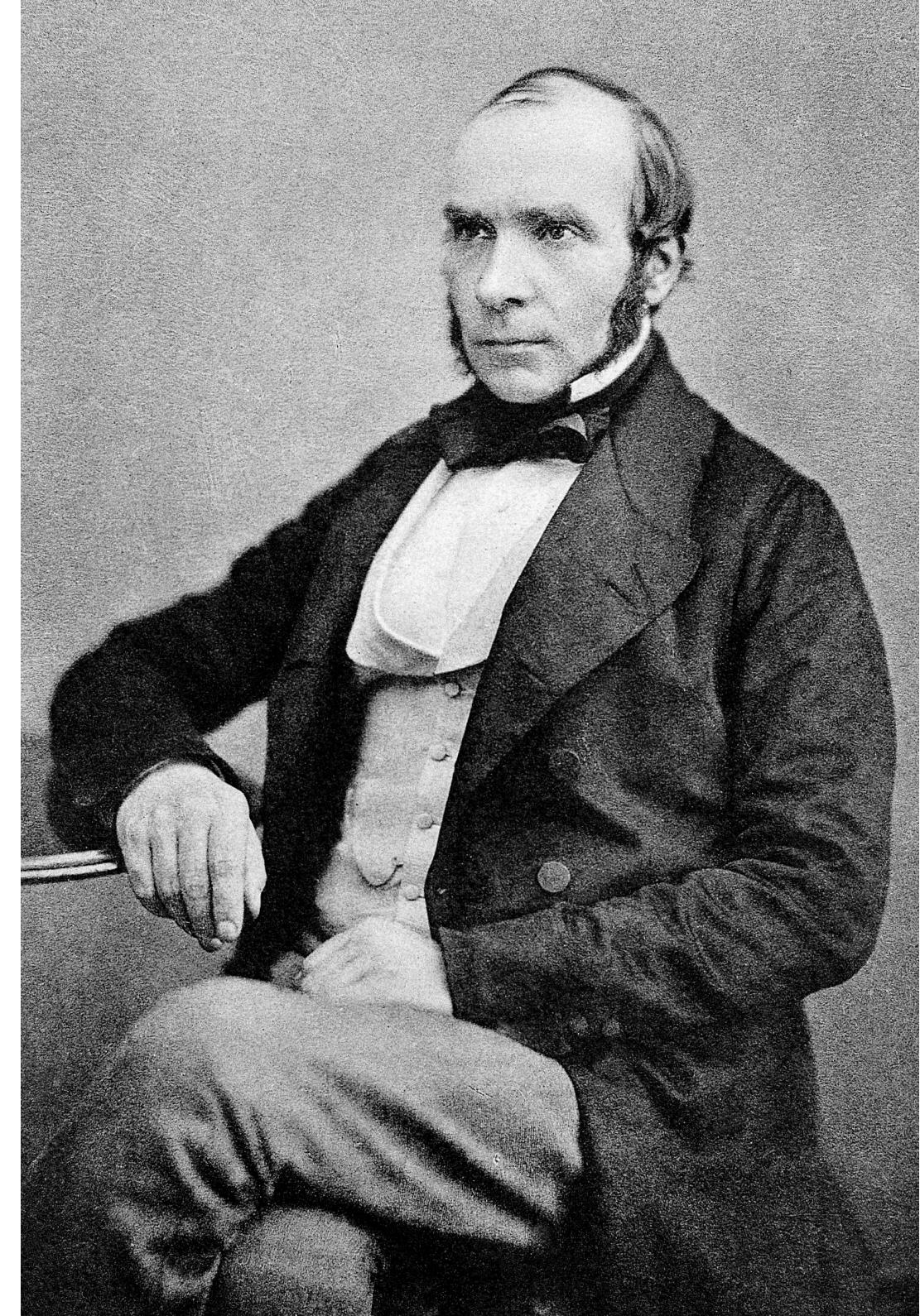




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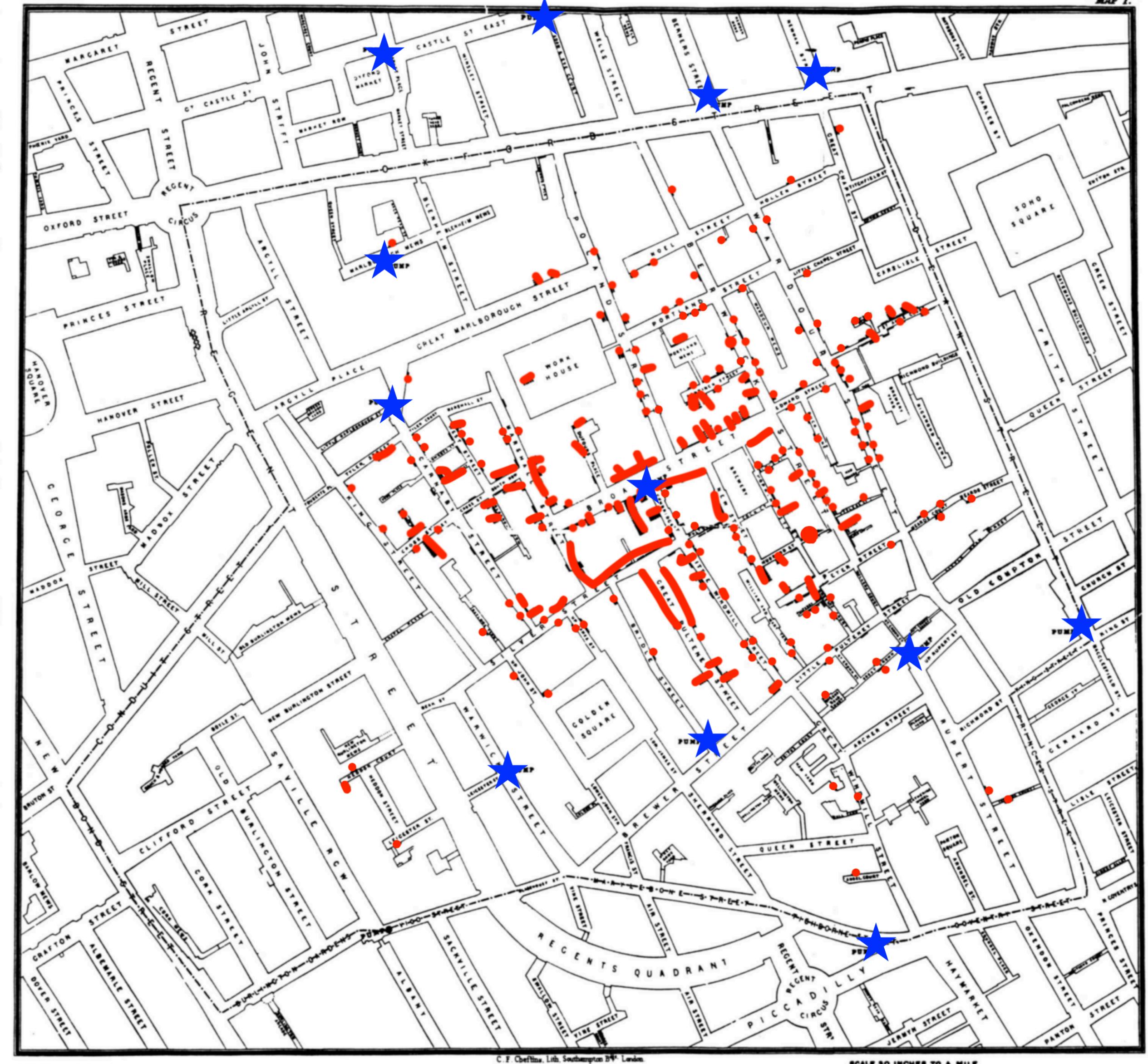
John Snow

John Snow: Hero, Doctor, **Early Data Scientist**

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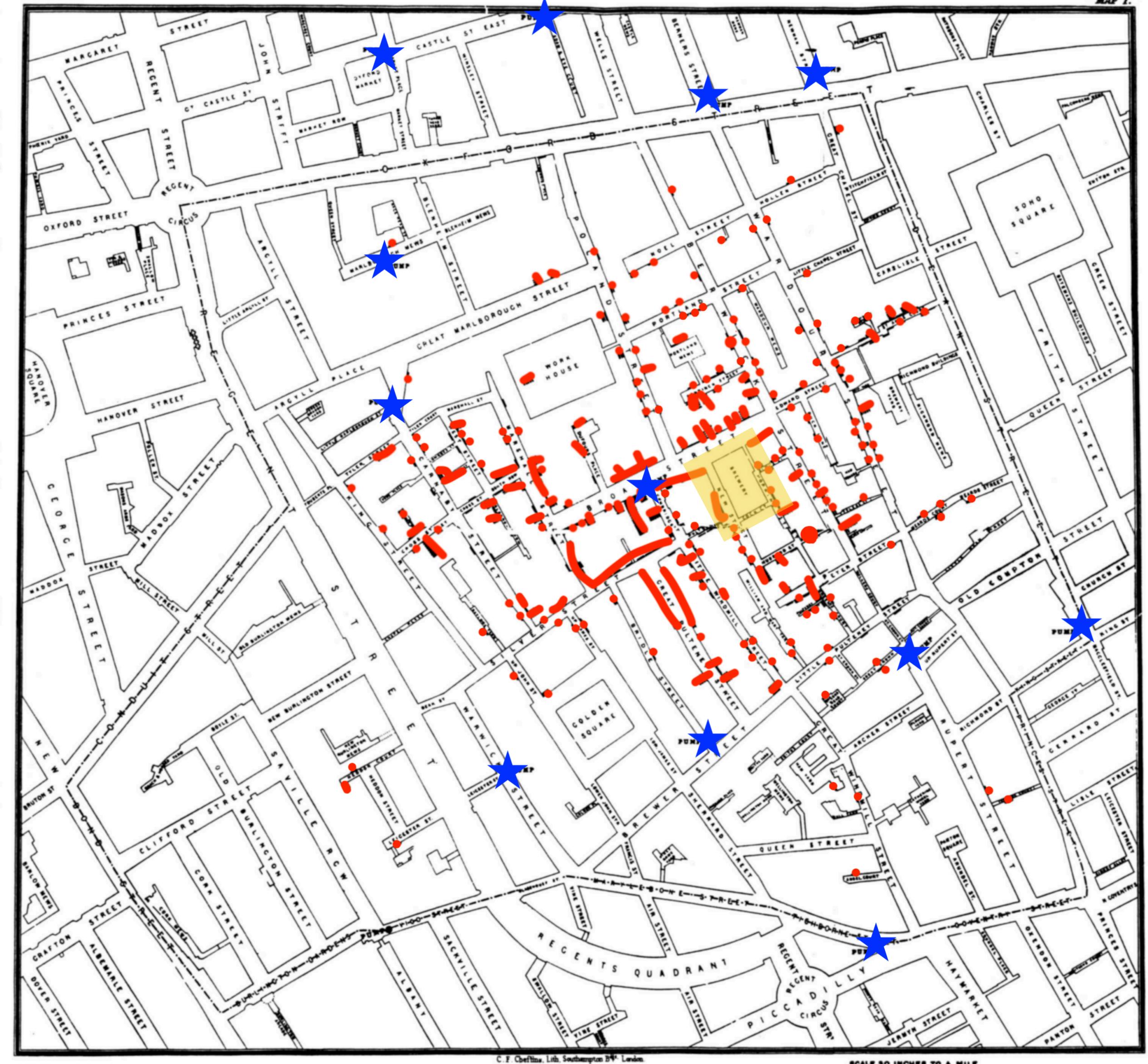
John Snow's Impressive Contribution



Case of Cholera
Water Pump

John Snow's Map of Broad St. Cholera Reports

John Snow's Impressive Contribution



Case of Cholera

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John Snow's Map of Broad St. Cholera Reports

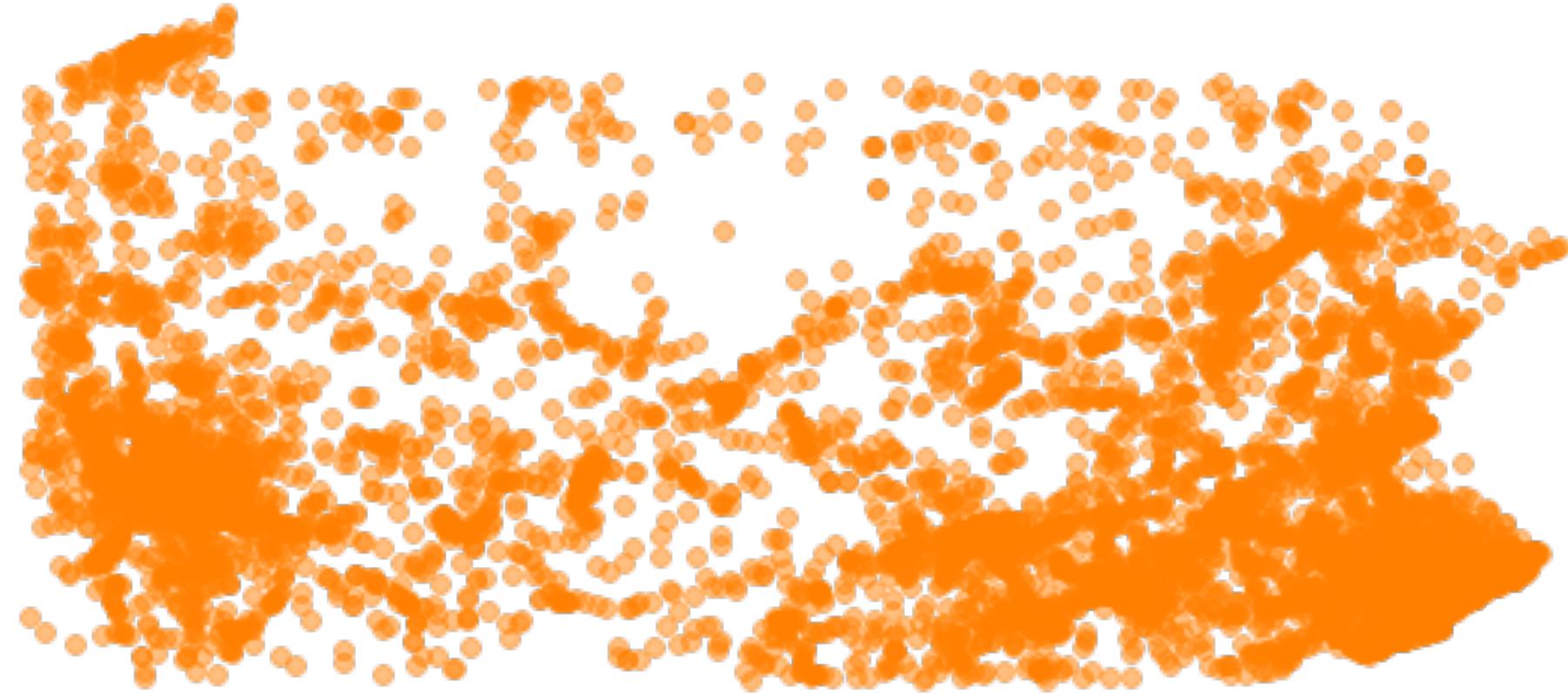
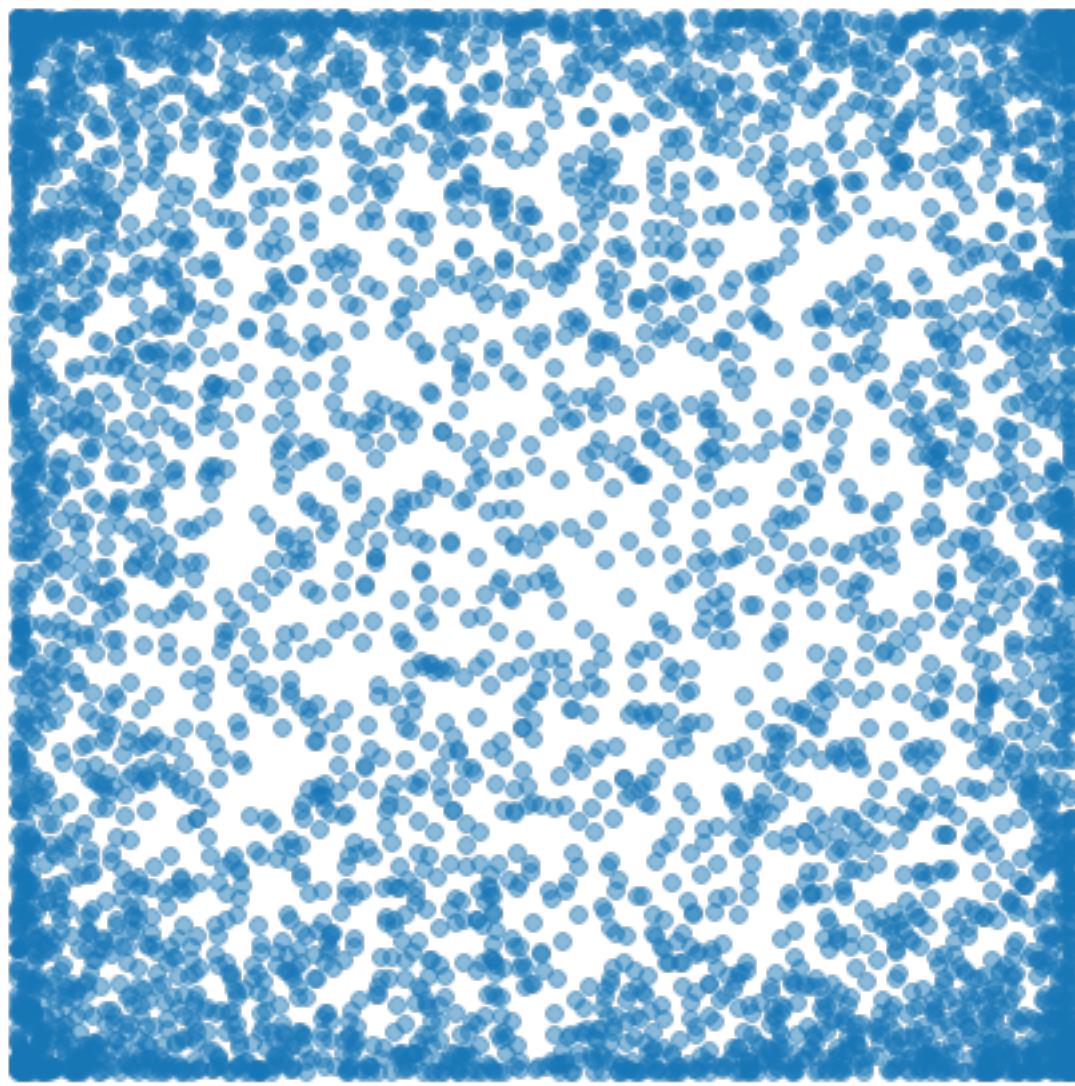


Labelless Information





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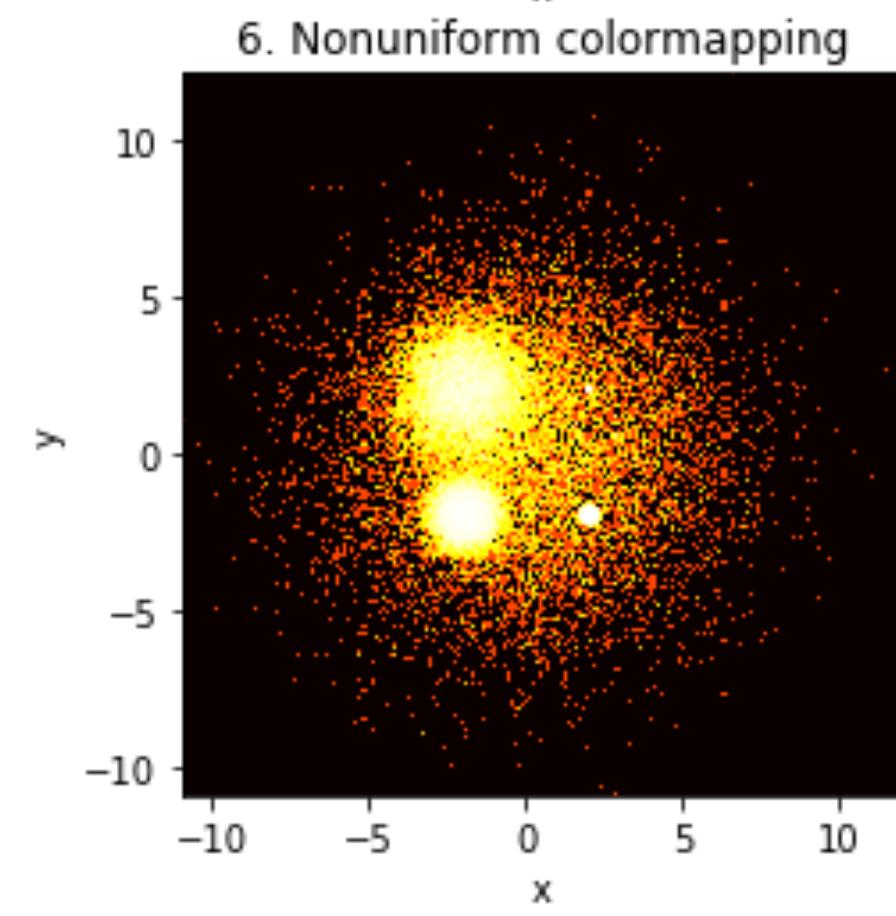
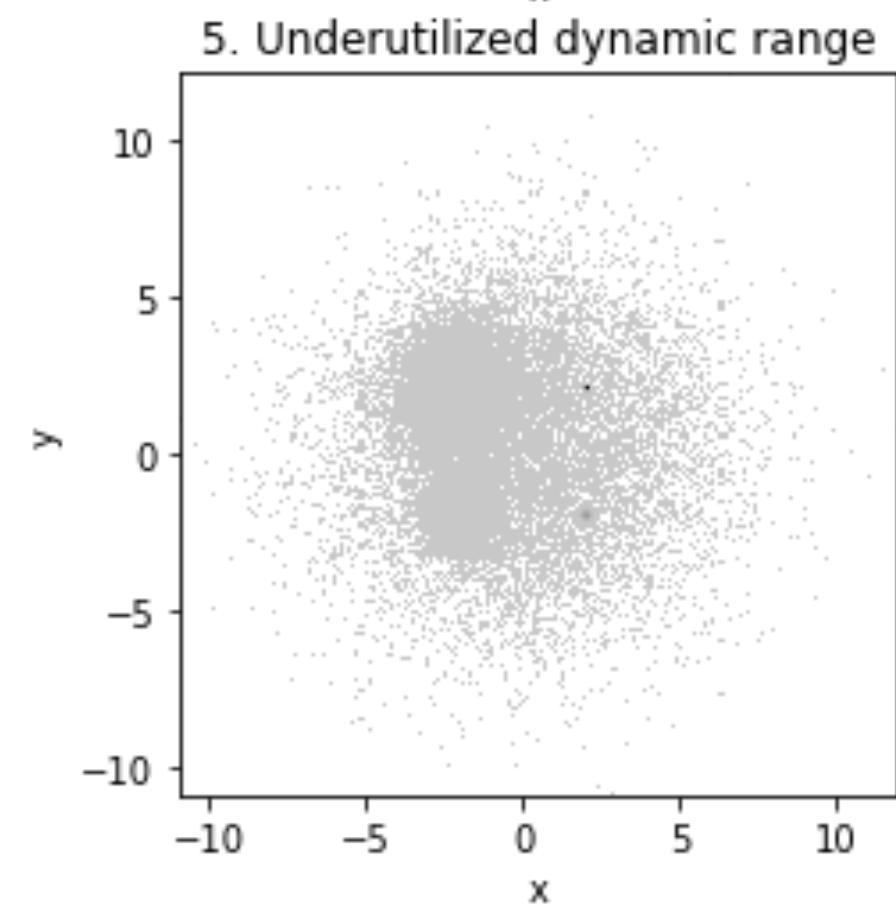
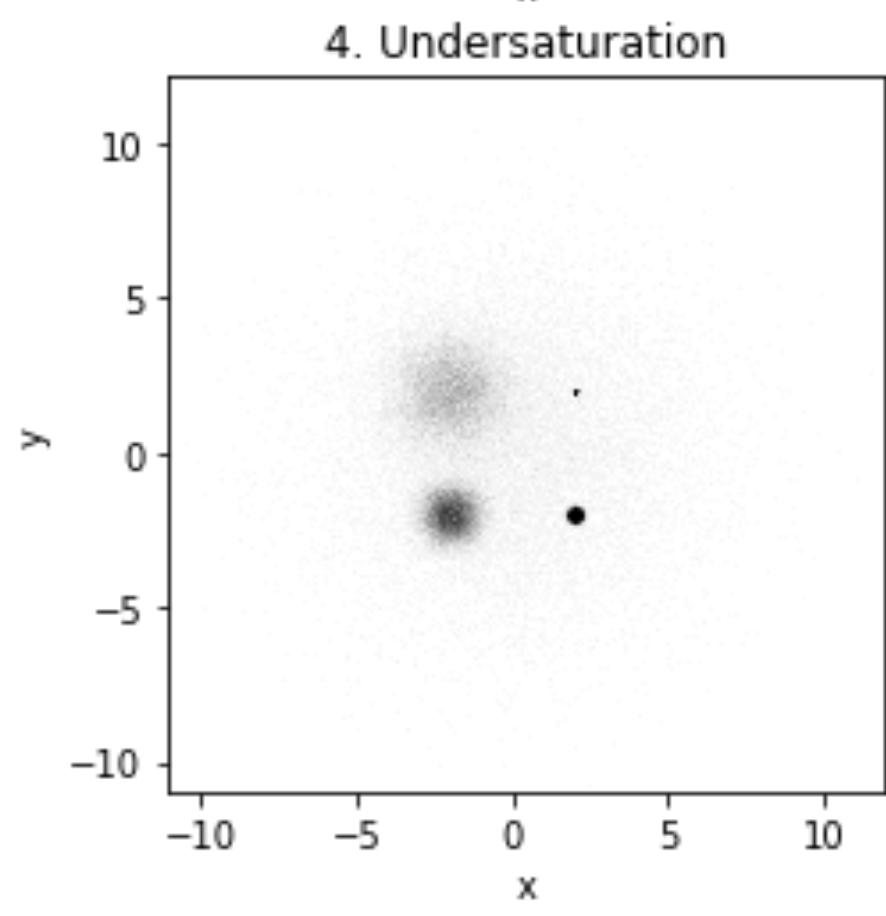
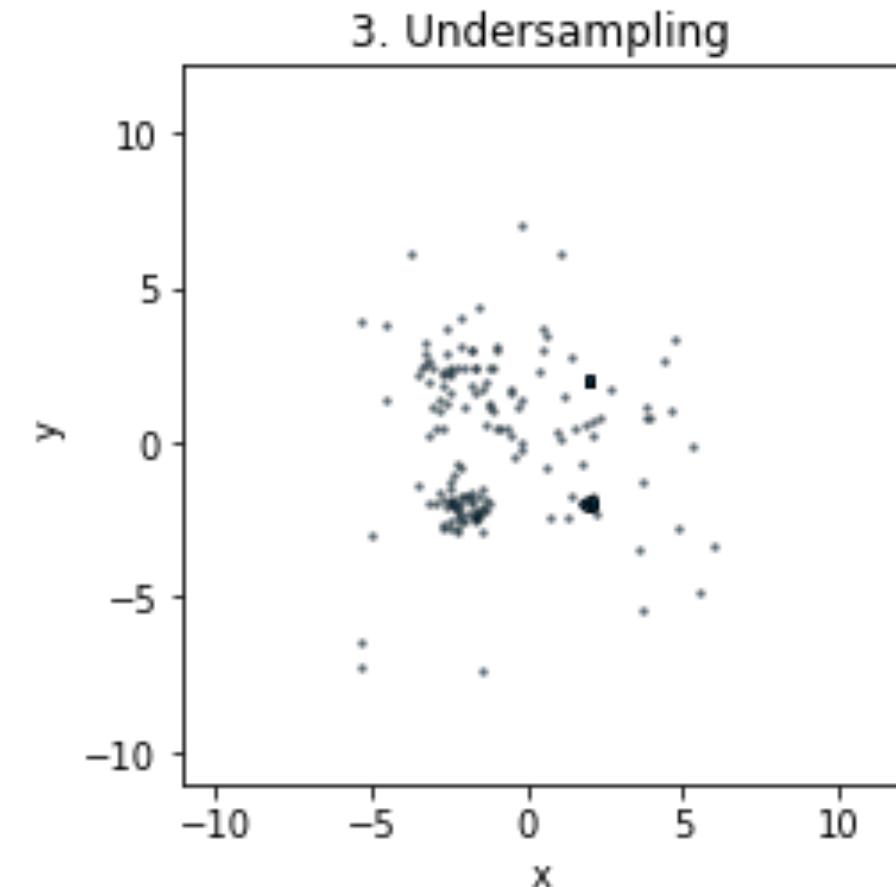
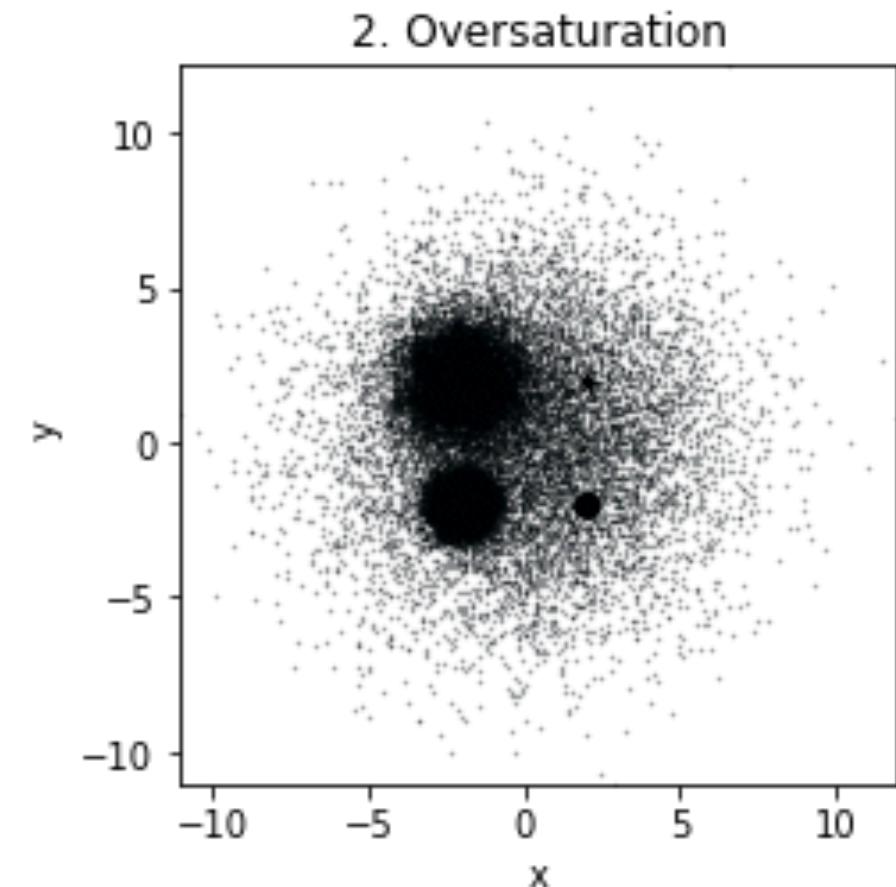
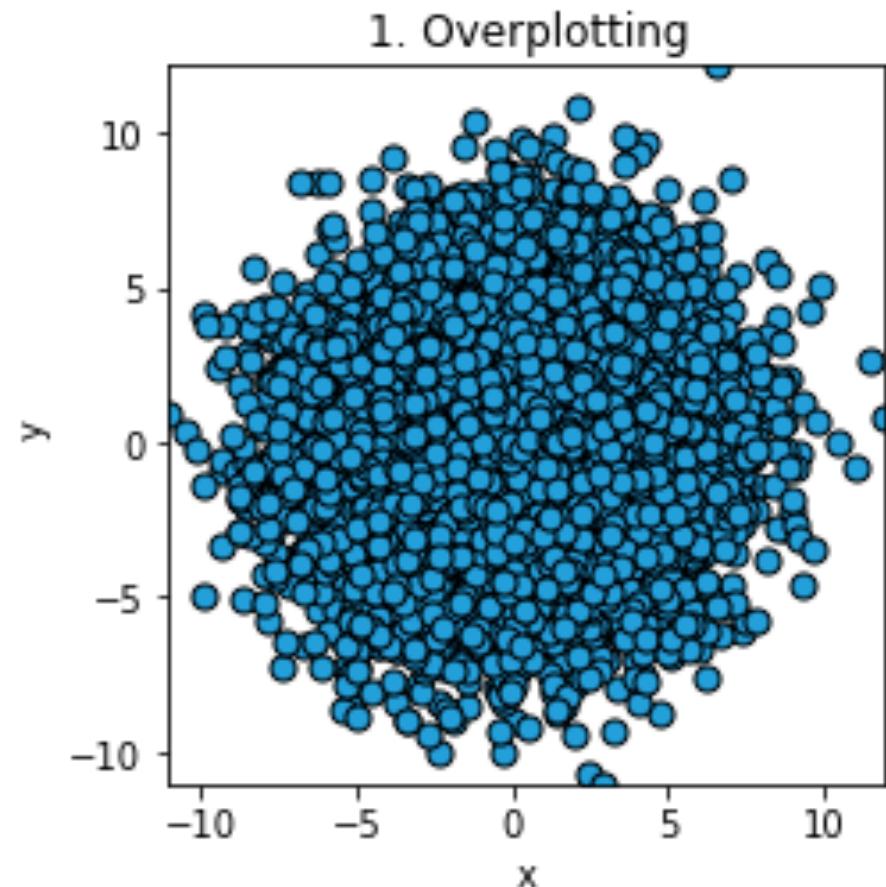
THE VISUAL DISPLAY OF QUANTITATIVE INFORMATION, Edward Tufte

https://www.edwardtufte.com/tufte/books_vdqi



Plotting Pitfalls

http://datashader.org/user_guide/1_Plotting_Pitfalls.html





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