SPATIAL DATA: TYPES OF MAPS

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ESRC and HEFCE

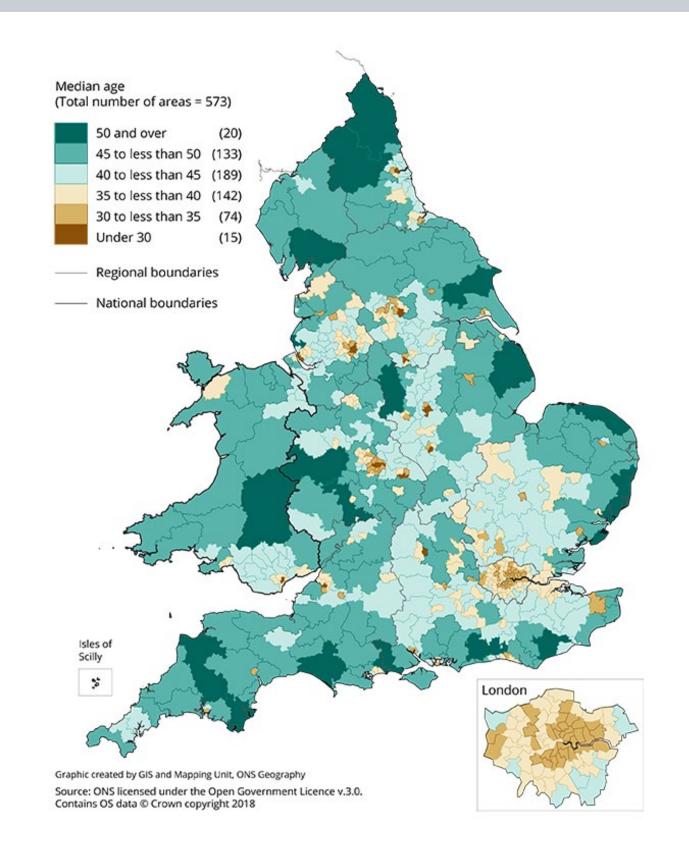
Nuffield Foundation



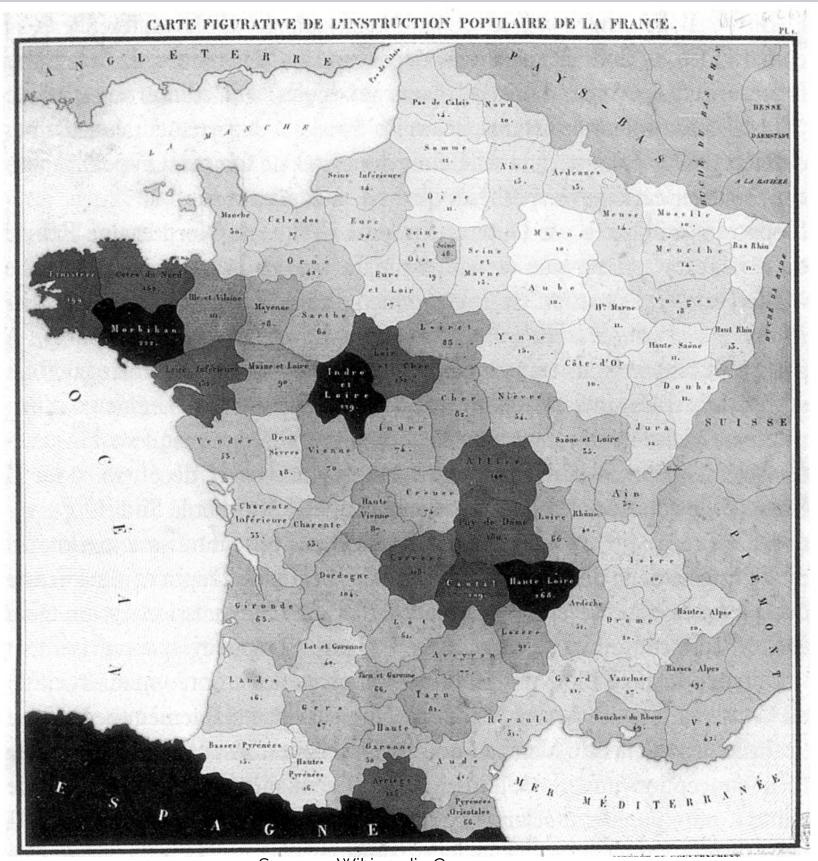
CHOROPLETH MAPS

THE CHOROPLETH MAP

Distinguishes predefined areas by using different types of shading, colouring or symbols that represent a data variable.



CHOROPLETH MAPS



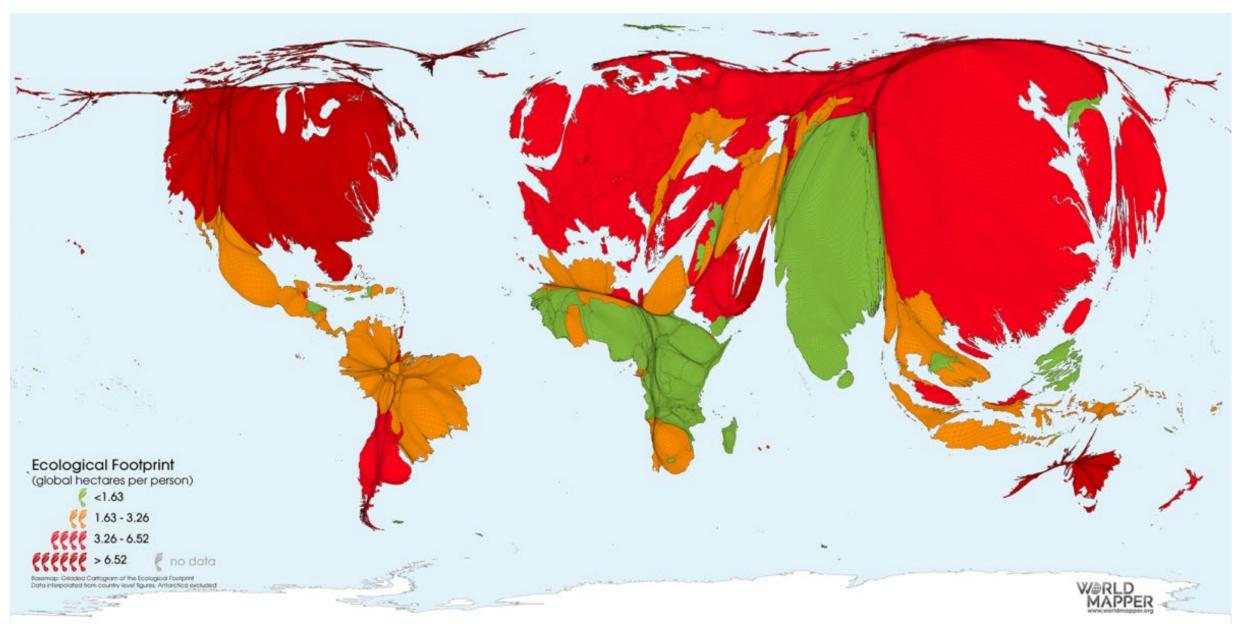
Source: : Wikimedia Commons



CARTOGRAMS

A type of map which distorts the area in order manipulate a place's area to be sized accordingly to a data variable.

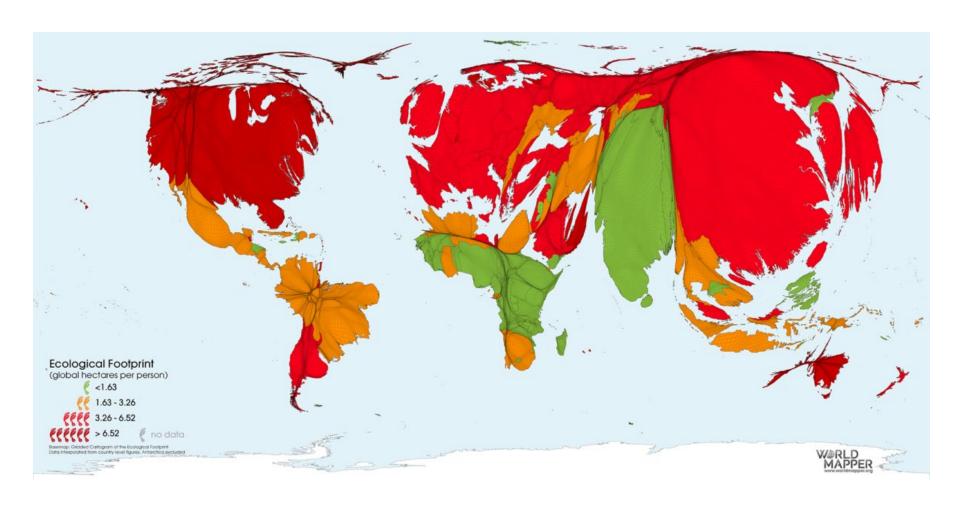
ECOLOGICAL FOOTPRINT OF CONSUMPTION 2019



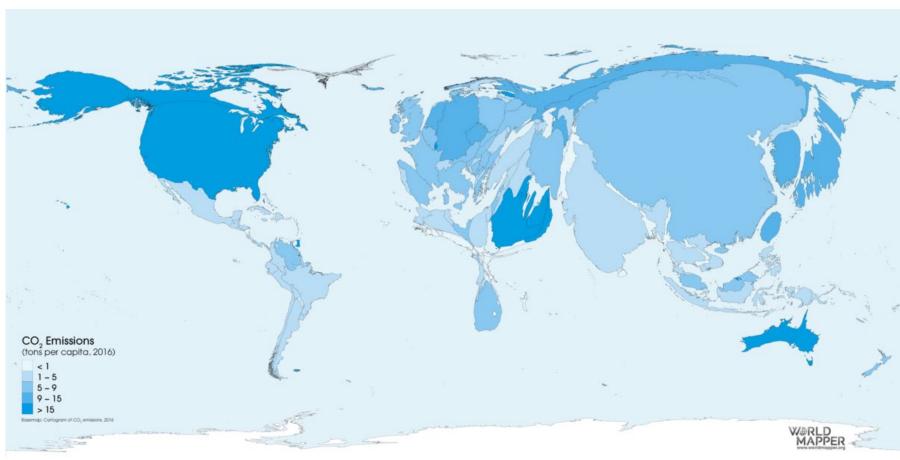


CARTOGRAMS

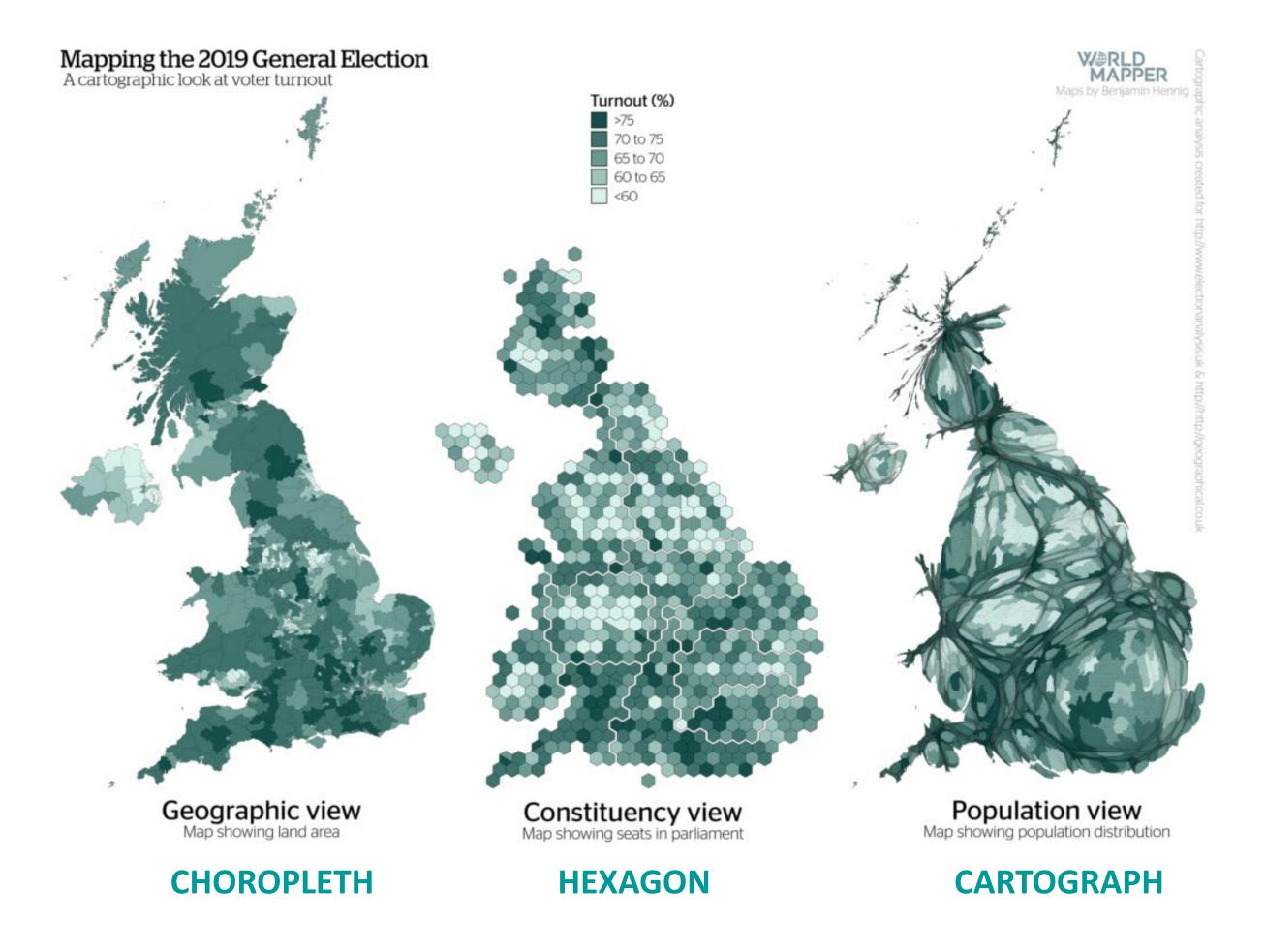
ECOLOGICAL FOOTPRINT OF CONSUMPTION 2019



CO₂ EMISSIONS PER CAPITA 2016



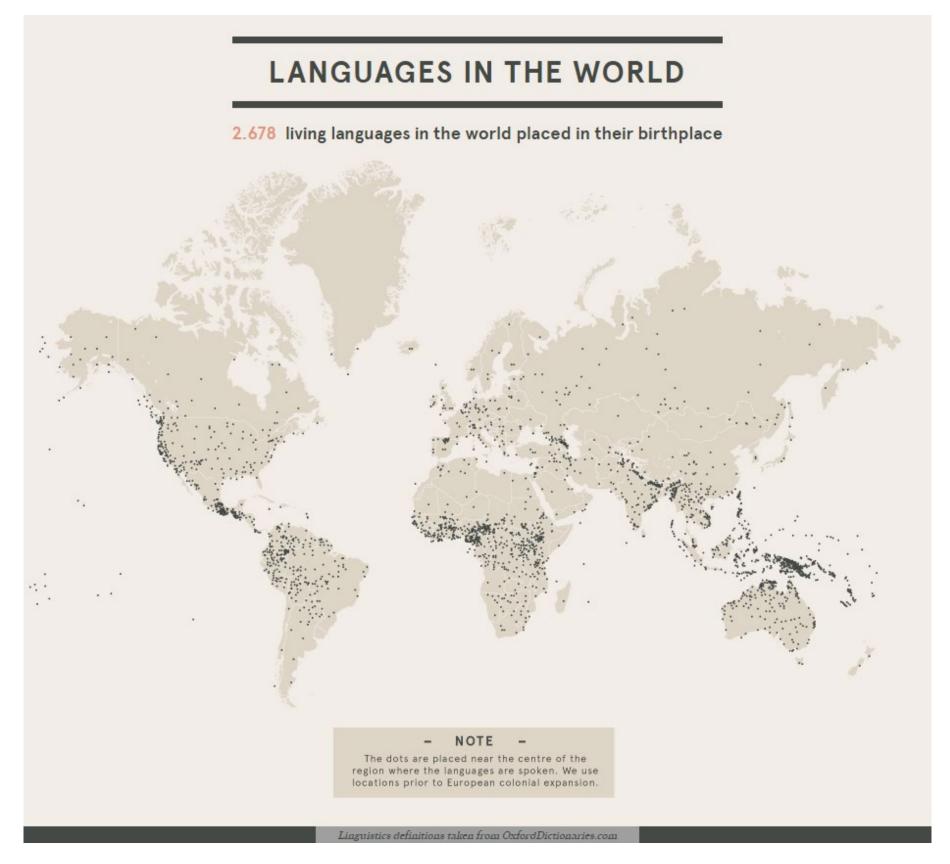
Source: Benjamin Hennig (2019). 'Cartographic perspectives of the 2019 General Election', in UK Election Analysis 2019: Media, Voters and the Campaign.





POINT MAP

Also know as a Dot Map, presents data or information as individual dots on a map.

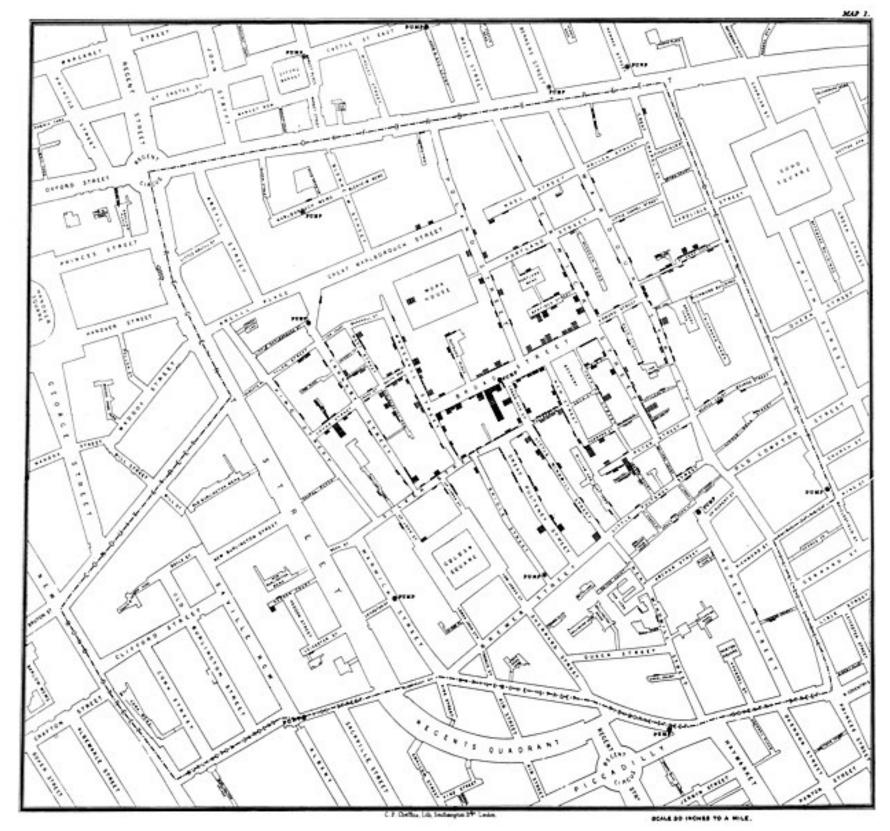


Source: http://www.puffpuffproject.com/languages.html



"The big problem is that dot maps fail to take into account the number of people living in an area and at risk to get a disease"

-Edward Tufte



Original map made by John Snow in 1854. Source: Wikimedia Commons



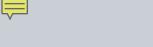
LINE MAP

LINE MAP

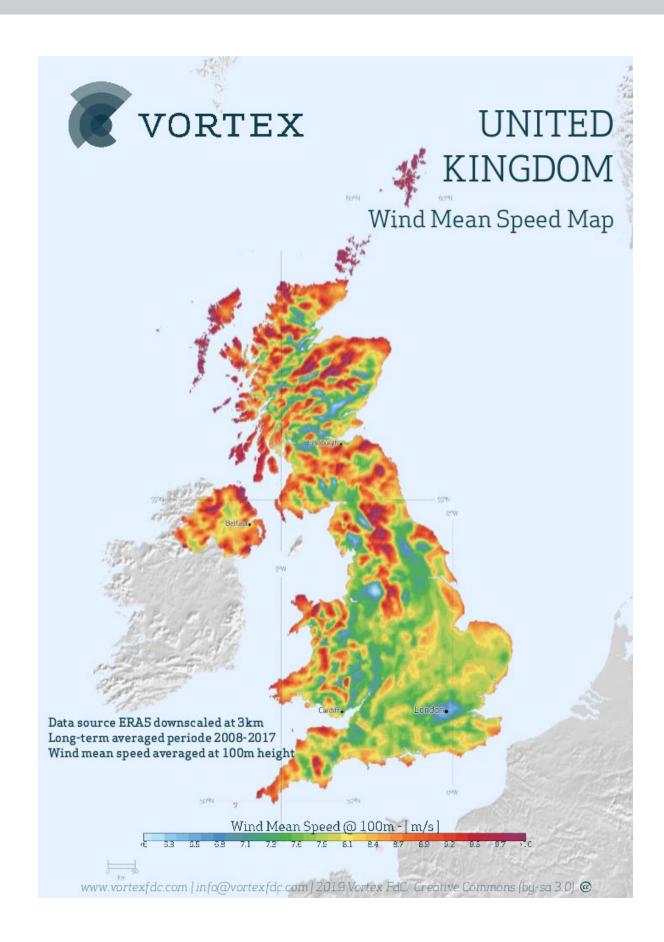
Maps that show movements from one place to another



Source: Ordnance Survey



HEAT MAP



HEAT MAP

Maps that show the weight of each point in a geographical range.