Data Visualization Interaction:

Voronoi diagrams

詹佳蓉 Chia-Jung (Apple) Chan Fardel

Intro

- Front-End Engineer, Freelancer
- Interactive Developer @The Guardian, UK
- Front-End Engineer @Crossing-tech (start-up), Switzerland
- M.ETC @ Carnegie Mellon University, USA
- Intern @EPFL, Craft Lab, Switzerland
- Intern @NEC, CCIL, Japan
- Research Assistance @ Academia Sinica, Taiwan
- M.S @ Dong-Hwa University, Taiwan

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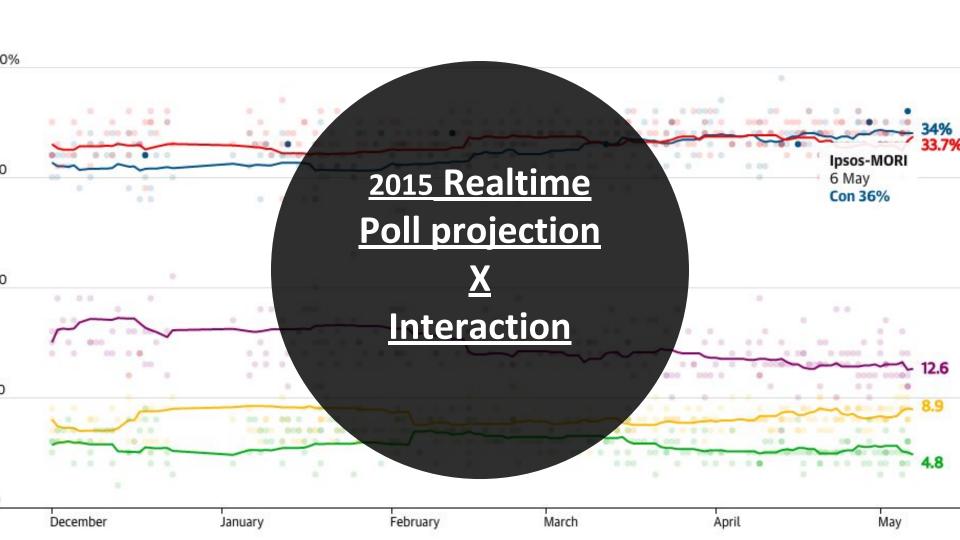
Intro

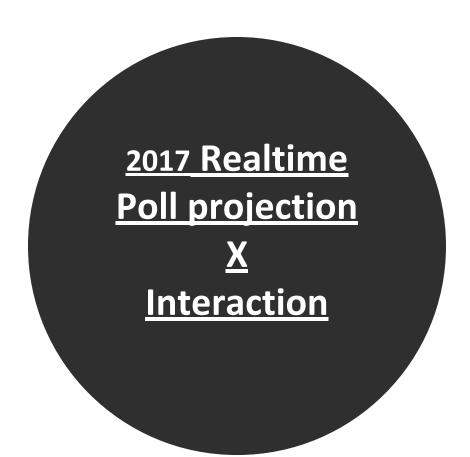
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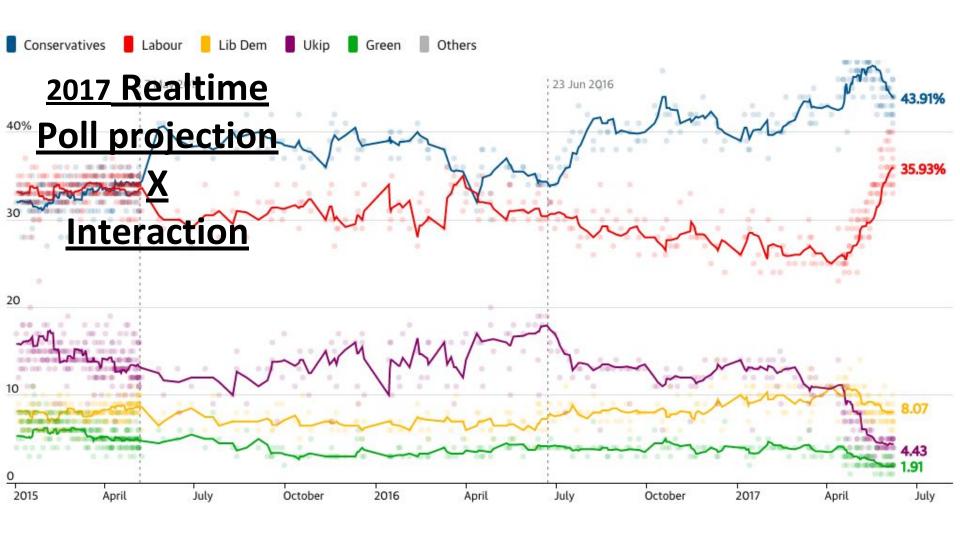
Interactive things at the Guardian

Chia-Jung (Apple) C.Fardel







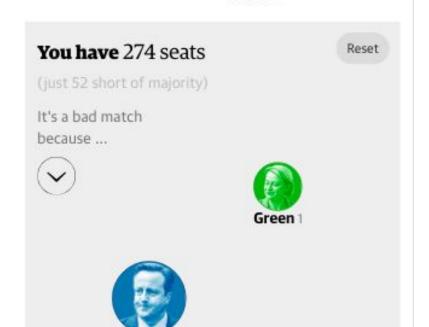


Your Coalition X Brainstorming



or Conservatives





mobile first design and interaction

- color
- bubble size
- transition
- distance
- face expression
- ..





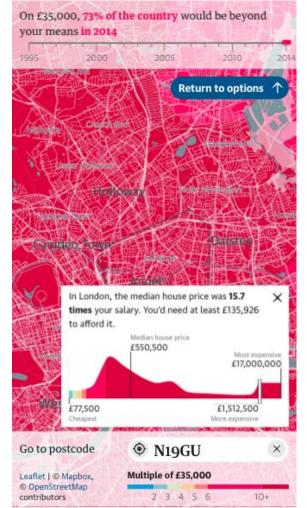
Unaffordable country

Where can you afford to buy a house?

If you wanted to buy a house at the median price and earned







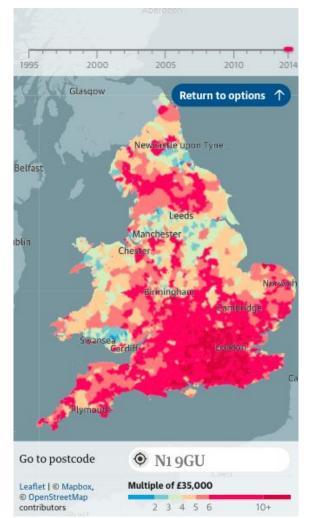


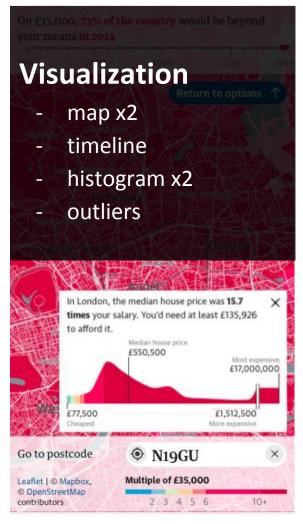
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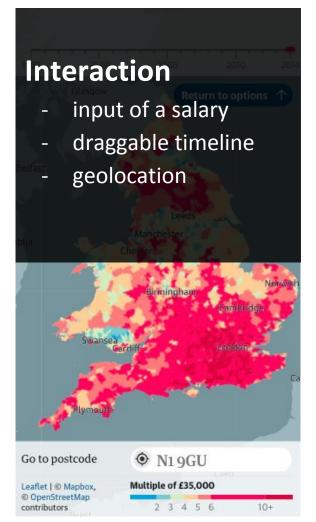


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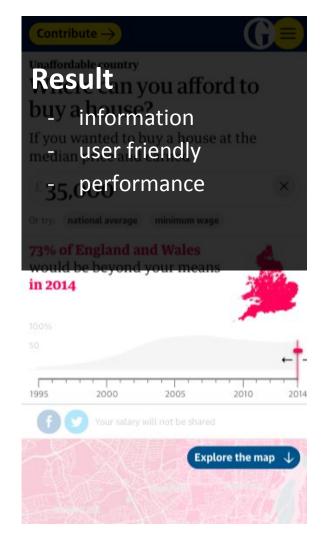
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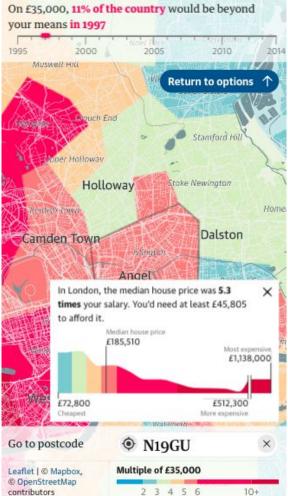
If you wanted to buy a house at the median price and earned















How Great Britain did it, metre by metre

Australia are now down to three riders, while Britain still stay as a four. The British can now close the gap

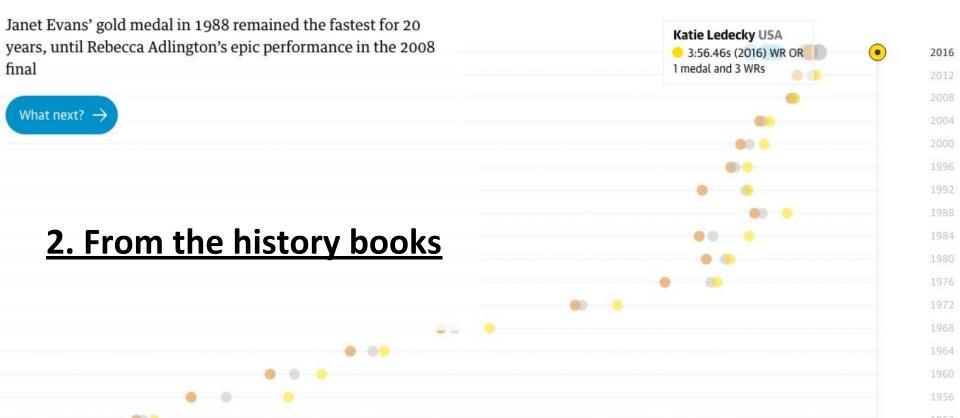






1. As it happened

Ledecky's gold swim looked a lot like fellow American Janet Evans' record-breaking swim in 1988 — a win that redefined the discipline. It was much faster than previous finals — with the silver medallist several metres behind.





stralia broke their own reco

ain Bolt made history with by gold medal victory



US women's gymnastics to vmpic gold

Voronoi Diagrams

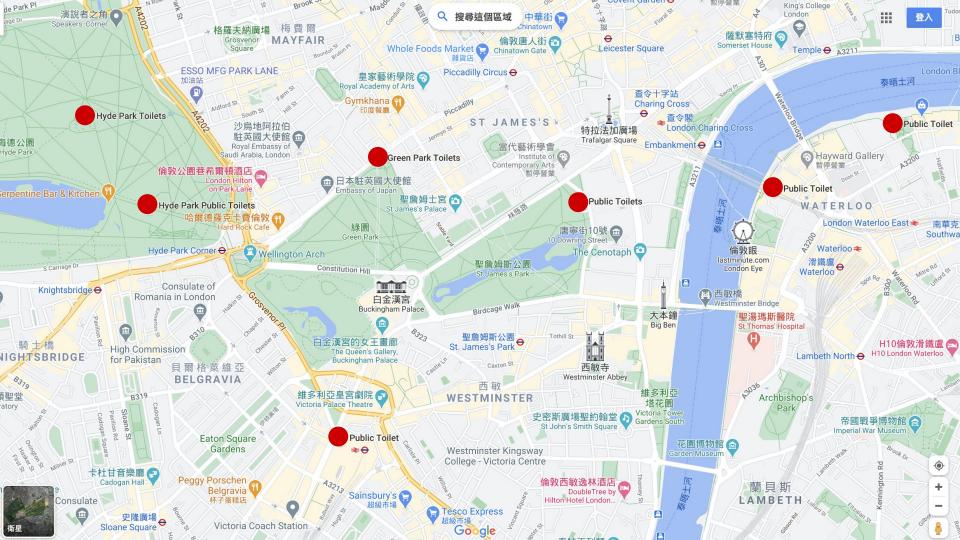
JavaScript + d3.js

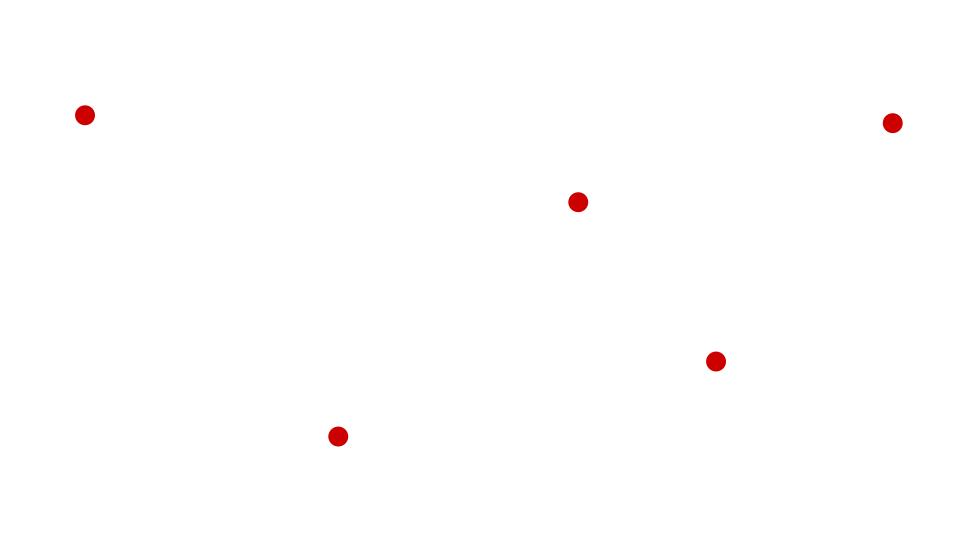
Why? How? What?

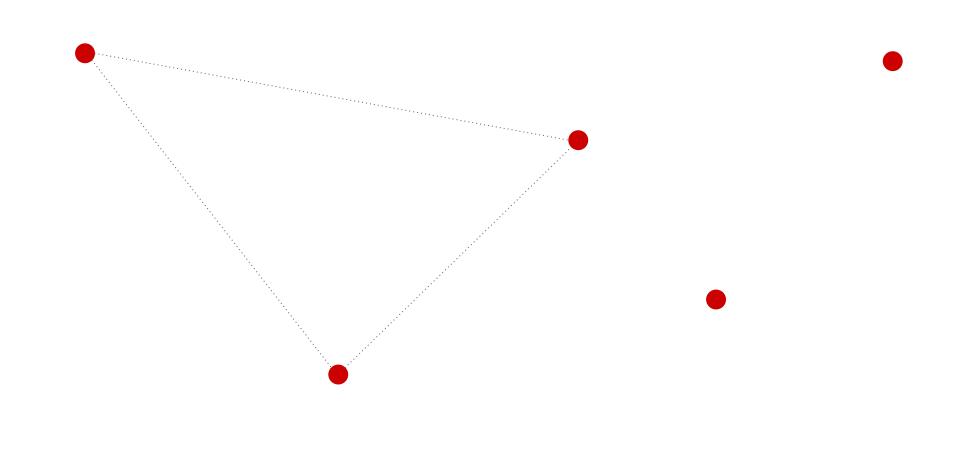
- It helps to answers questions like: ...
- Demo using JavaScript and D3.js
- Hand-drawn voronoi diagram

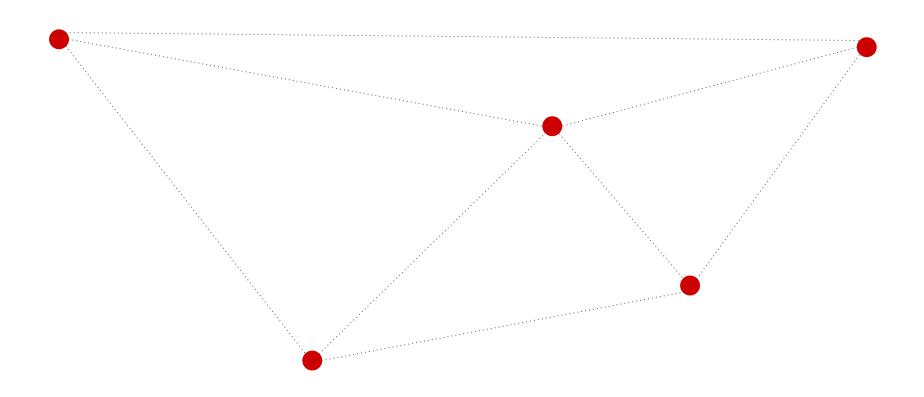
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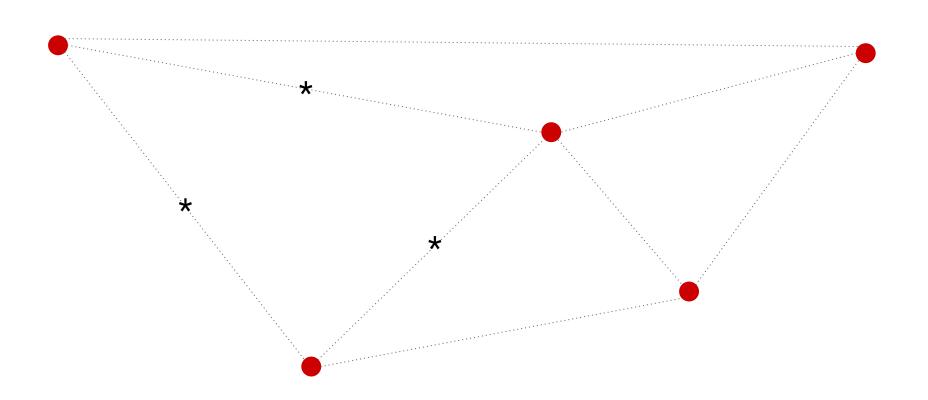
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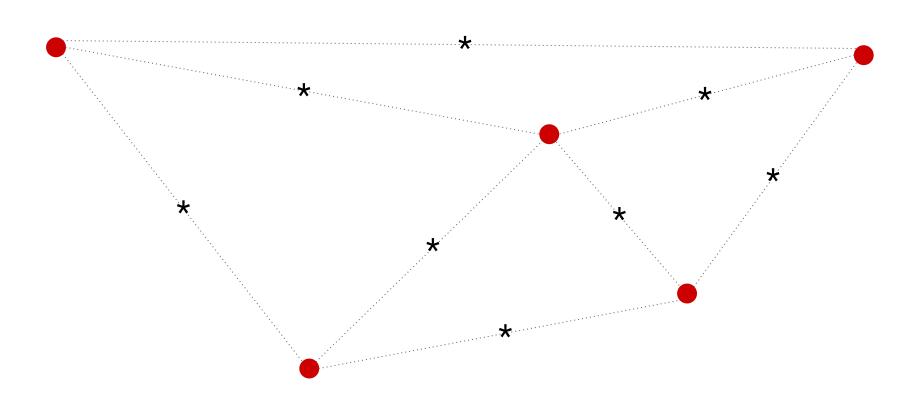


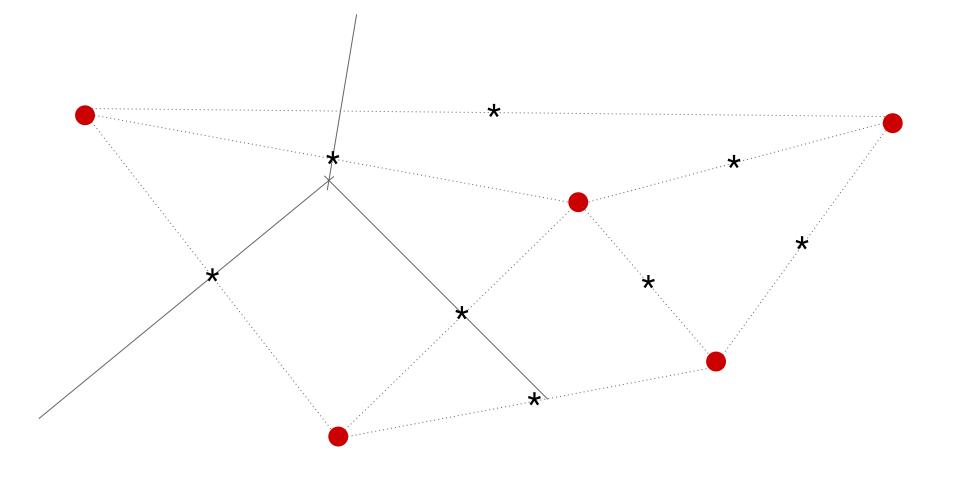


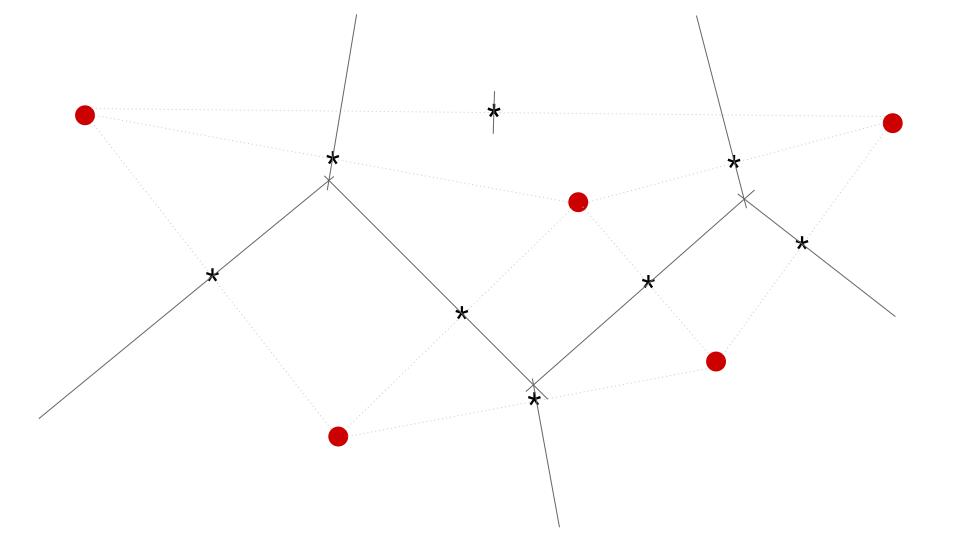


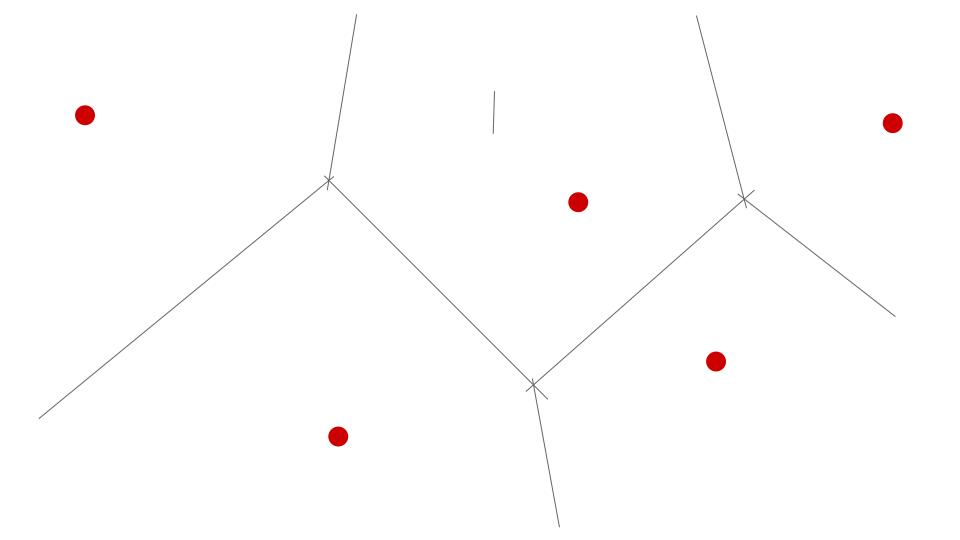


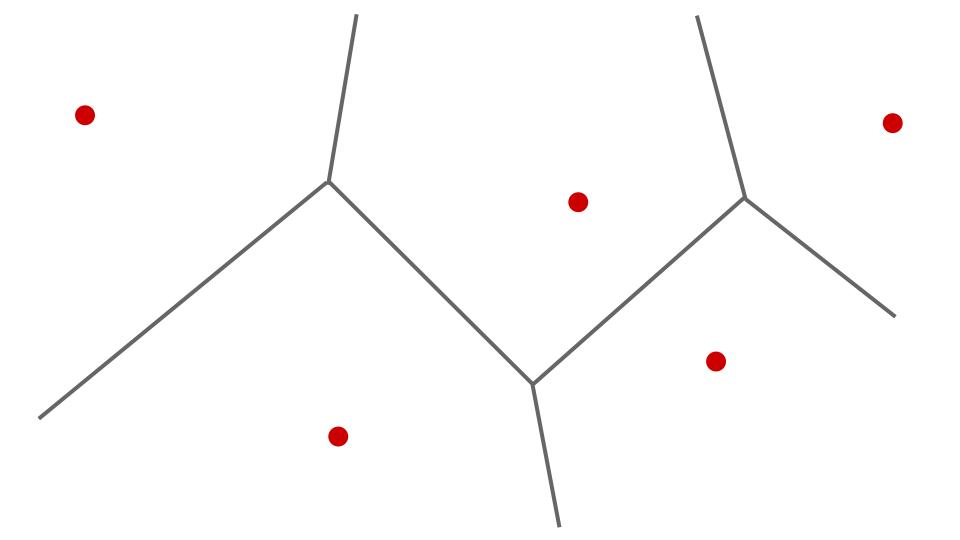












Examples:

- It helps to answers questions like: ...
- Drag (SVG Voronoi)
- Drag (SVG Voronoi, Clipped)