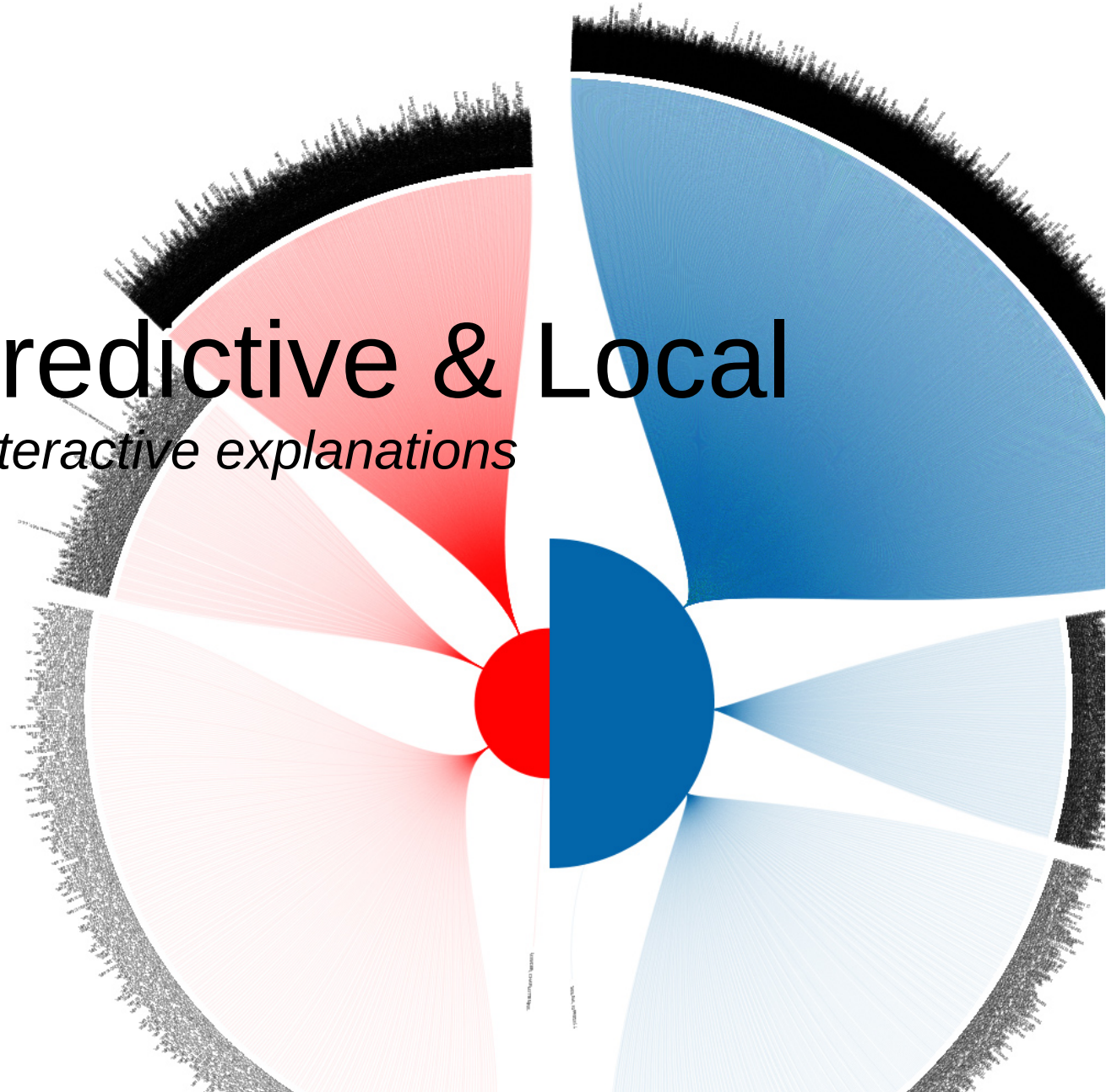


# Personal Predictive & Local

*Three proposals for interactive explanations*

Pablo León Villagrà  
University of Edinburgh

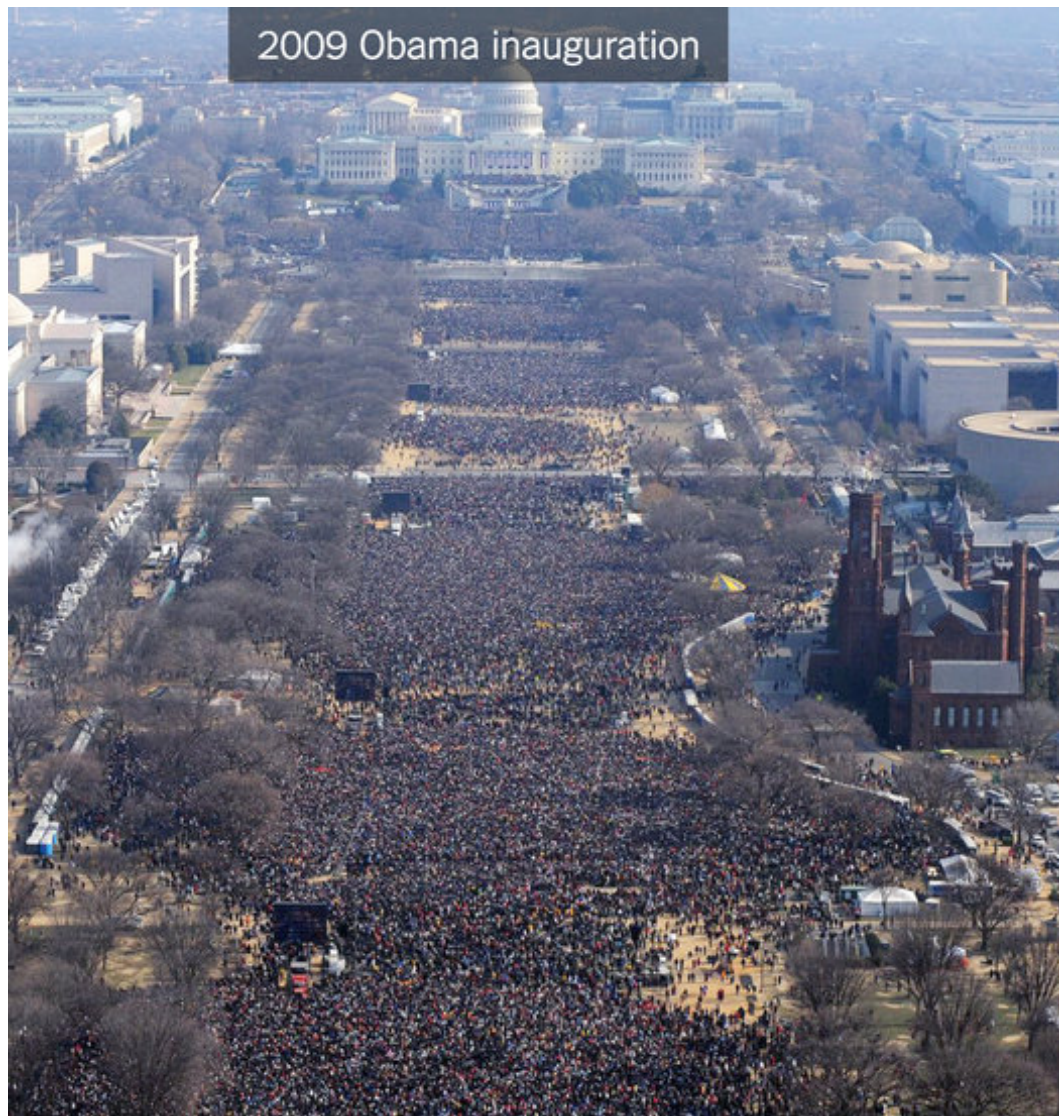


# Outline

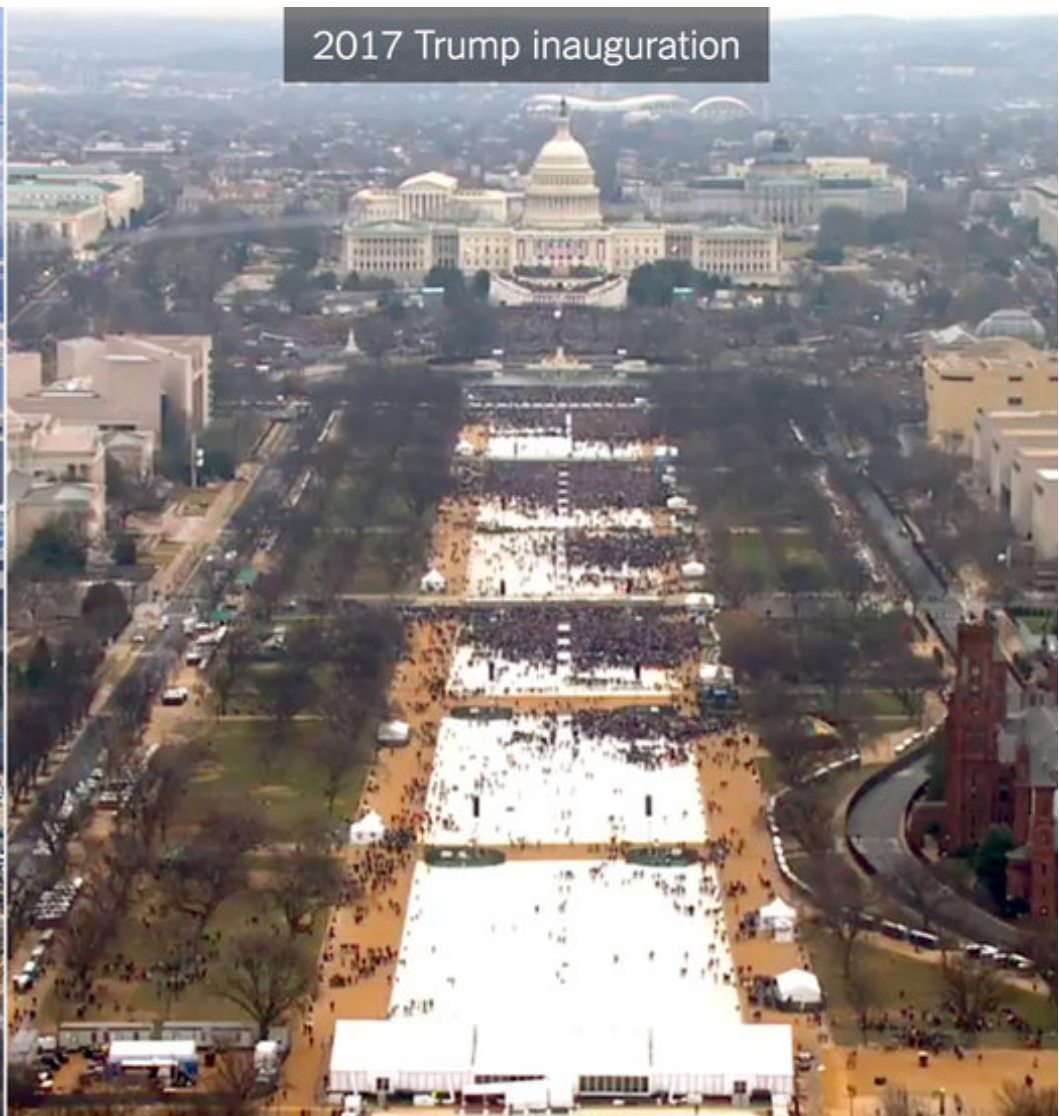
- Motivation
- Interactive Explanations
- Three proposals
  - Agency
  - Implicit models
  - Local perspective

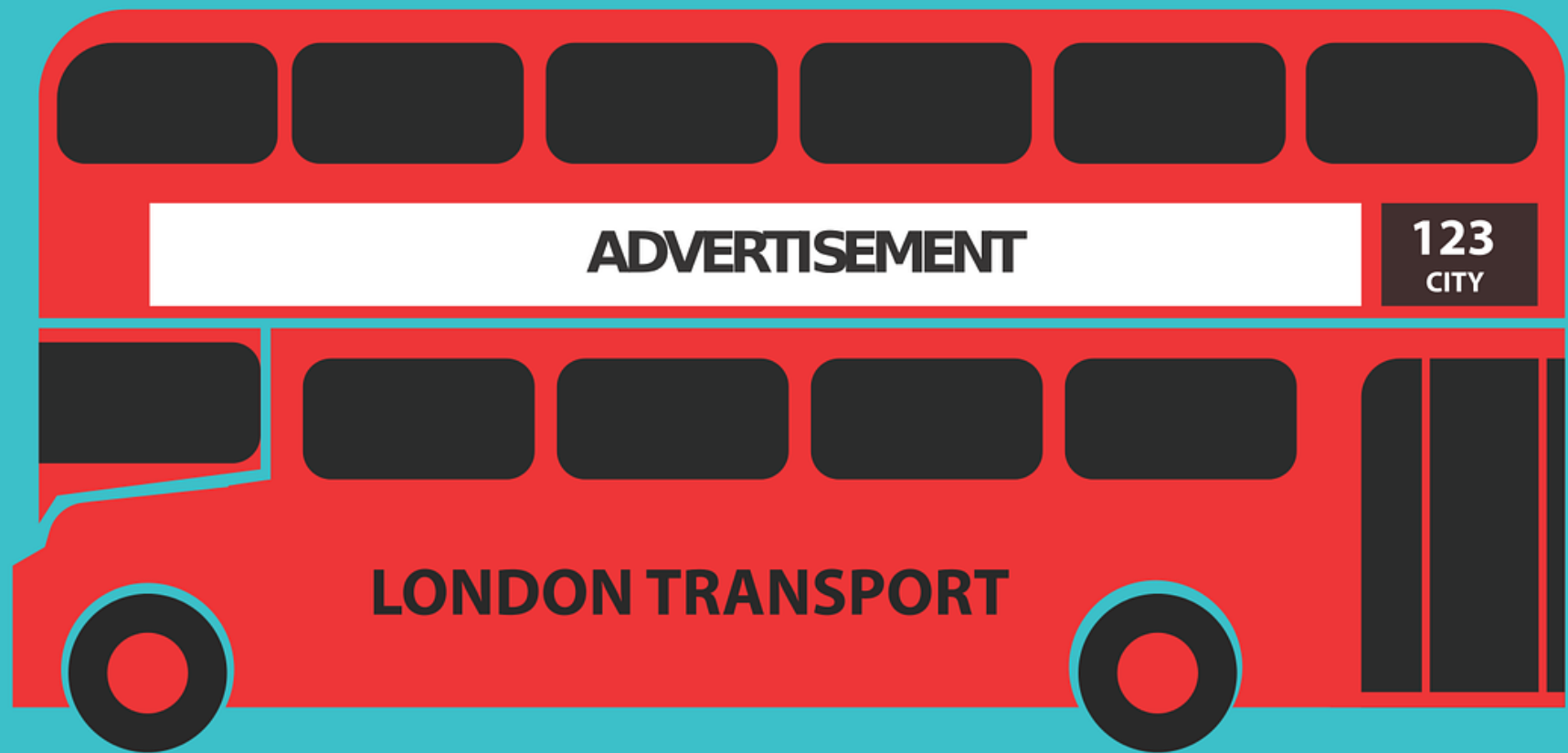


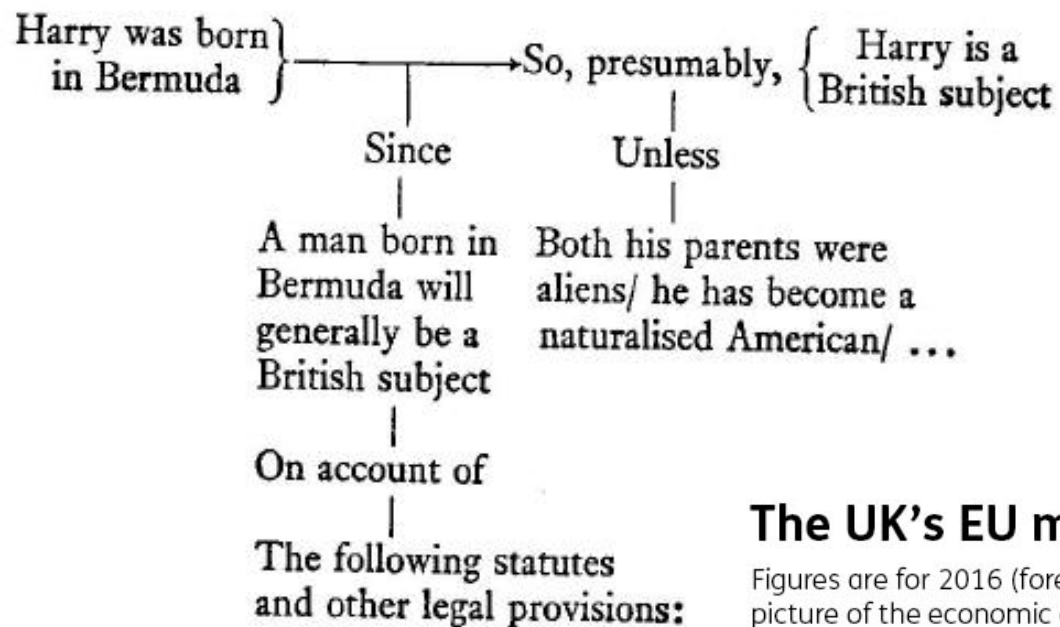
2009 Obama inauguration



2017 Trump inauguration







## The UK's EU membership fee

Figures are for 2016 (forecast). This is what we pay to be a member—it's not a complete picture of the economic costs or benefits of being in the EU.

£17bn is what **we would pay** into the EU



...but we get an instant discount, called a rebate, of £4bn.



So £13bn is **what we actually pay** into the EU as a 'membership fee'.

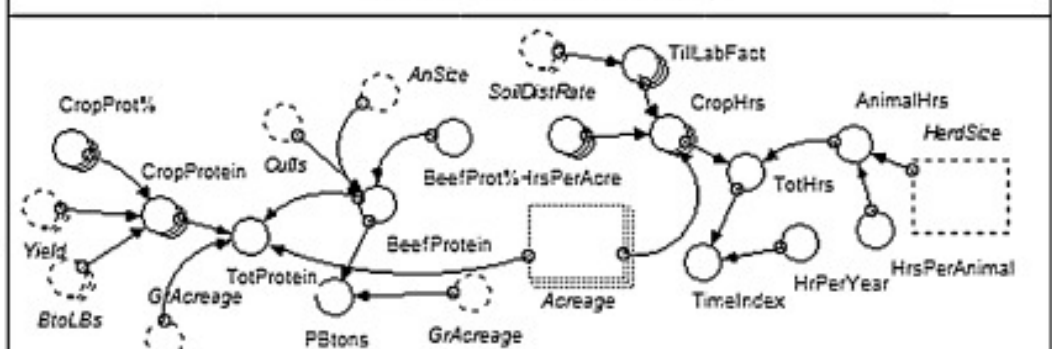
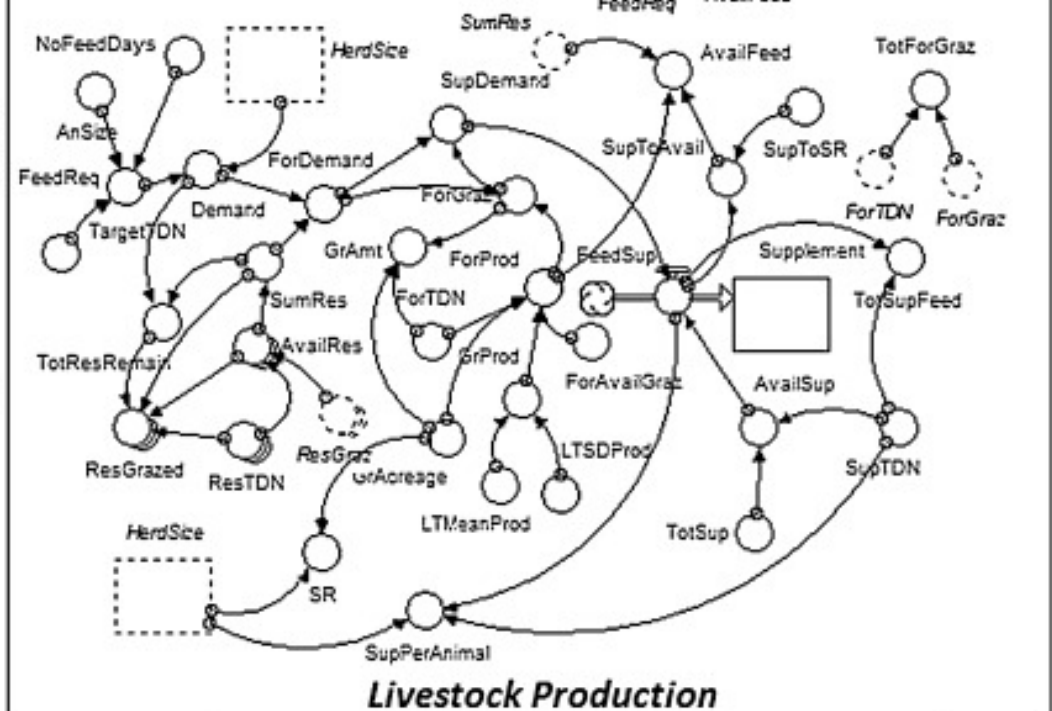
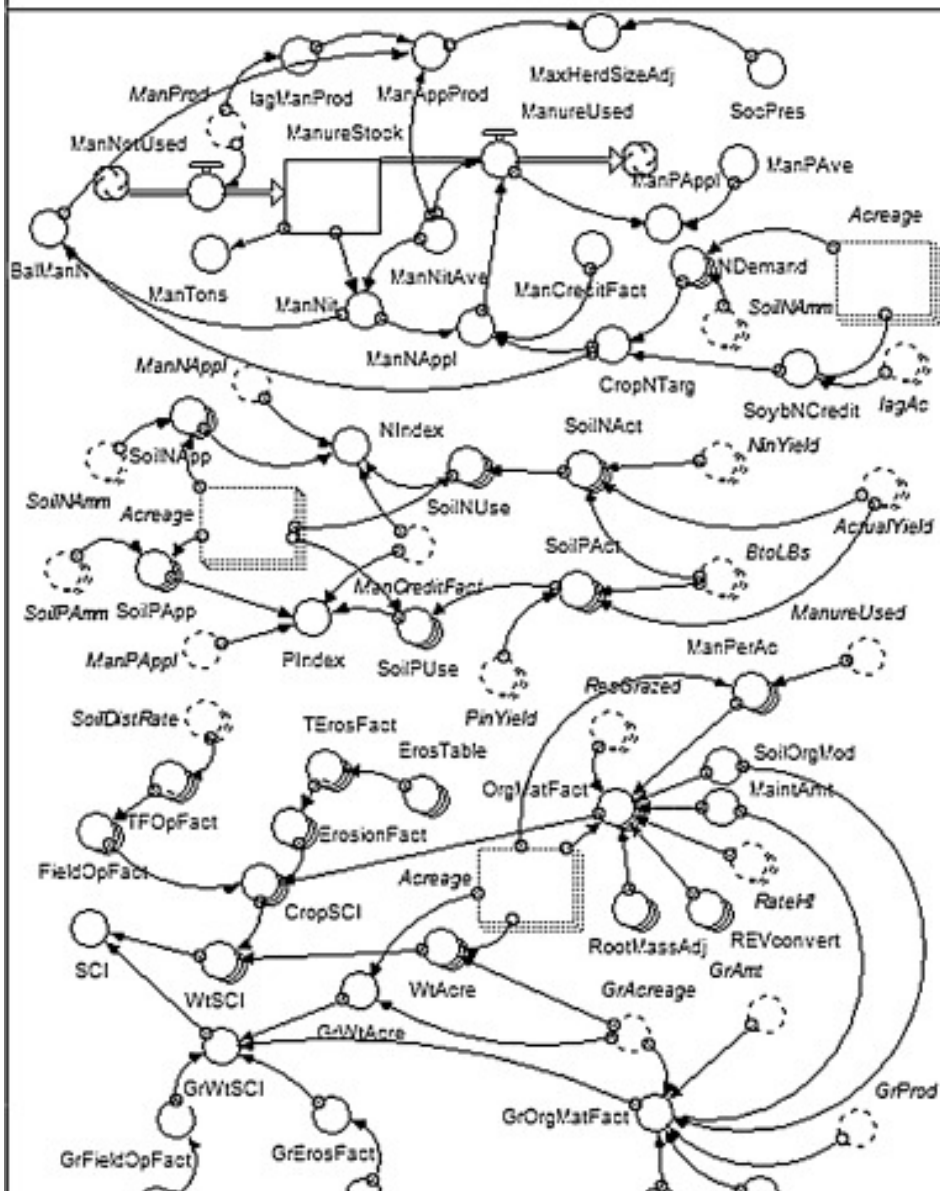
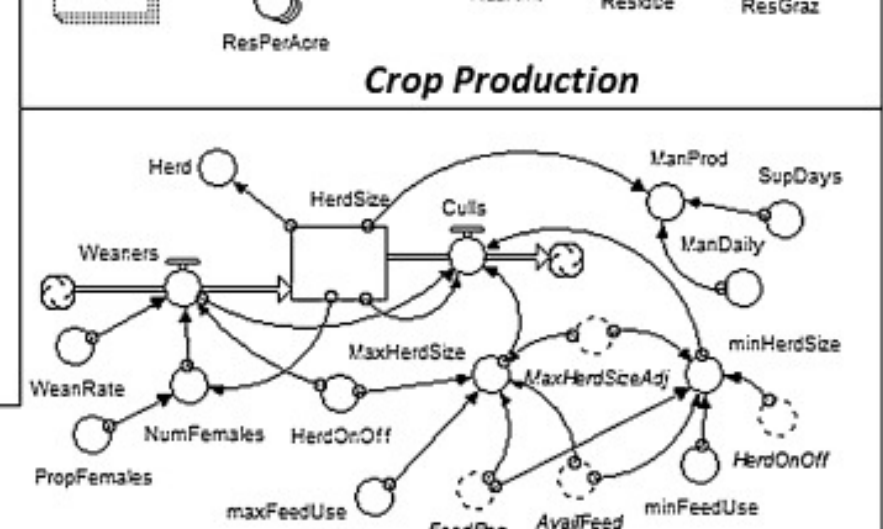
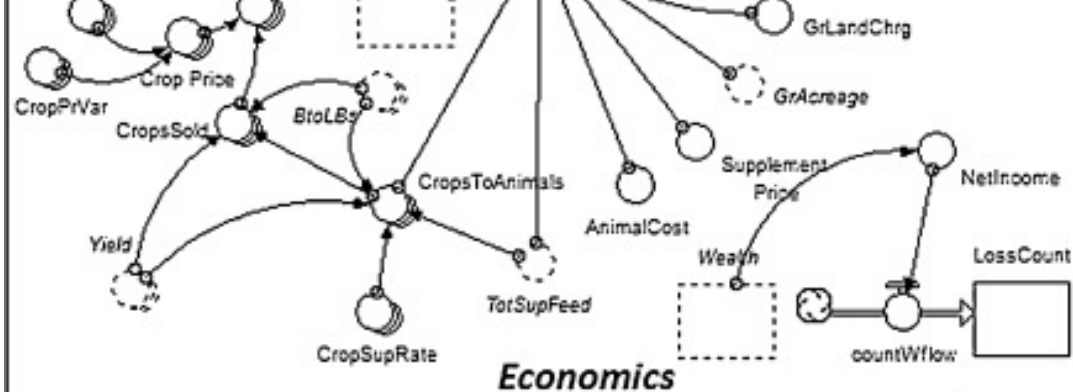


We also get money coming back due to EU spending in the UK. Last year the EU spent over £4bn, mostly on payments to farmers and poorer regions of the UK.



Source: HM Treasury, "European Union Finances 2016"





# Explorable Explanations

- Discover ideas for yourself.
- Engage with complex data.
- Challenge the author's assumptions, and build things the author never even thought of.
- Instead of consuming knowledge, actively construct knowledge.

<https://projects.propublica.org/graphics/gdp>

# Three proposals



At last you do come to a dead end in the passage. Nada feels around for the secret door. "We have to be ready for anything," she whispers. "Flatten yourself against the wall on the other side of the door. When I open it, I'll jump back on this side. We'll see if anything is waiting for us."

You cross to the wall on the other side. Nada swings the door open quickly, then jumps away from it. Light pours in through the opening.

You wait for five, ten, fifteen minutes. Nothing happens. You don't hear a sound. Carefully you and Nada move to the door and through it to a stone courtyard. Lying face down in the middle of the courtyard is the corpse.

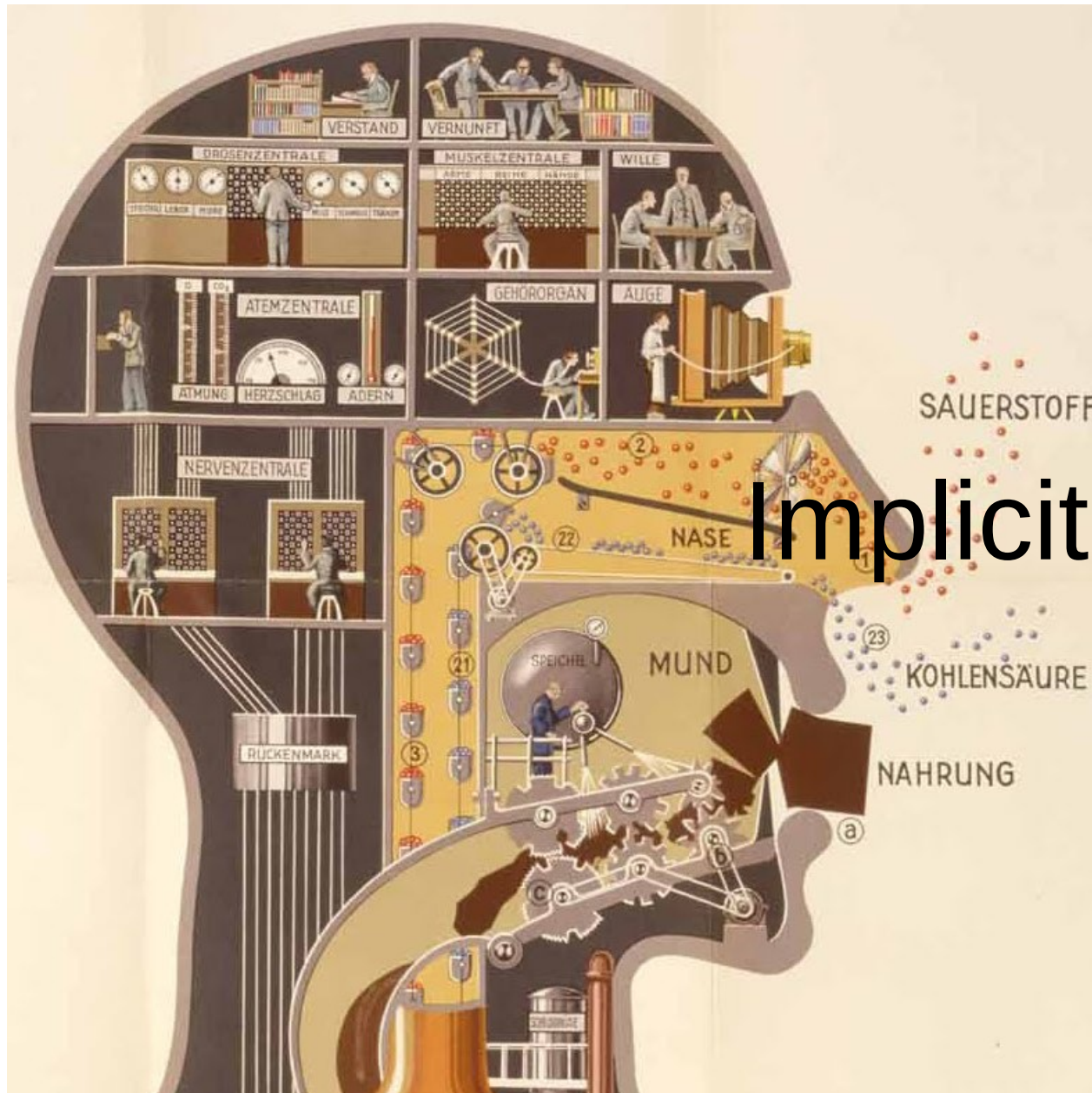
# Agency

*If you decide to look at the corpse,  
turn to page 88.*



*If you think you should tell Nada it's time  
to talk to Mr. Hatama about the bizarre events,  
turn to page 124.*





# Implicit Models



Local perspective

Demo



# Next

- Finish functionality and presentation.
- Record reader interaction (which factors, what kind of predictors) and present it to the reader.
- Allow readers to suggest new variables & aggregations.
- Editor for writing these sorts of interactions.

I am looking for stories and/or data to present in this style!