

Case Study

Applying artificial intelligence and data science to food systems

giCentre

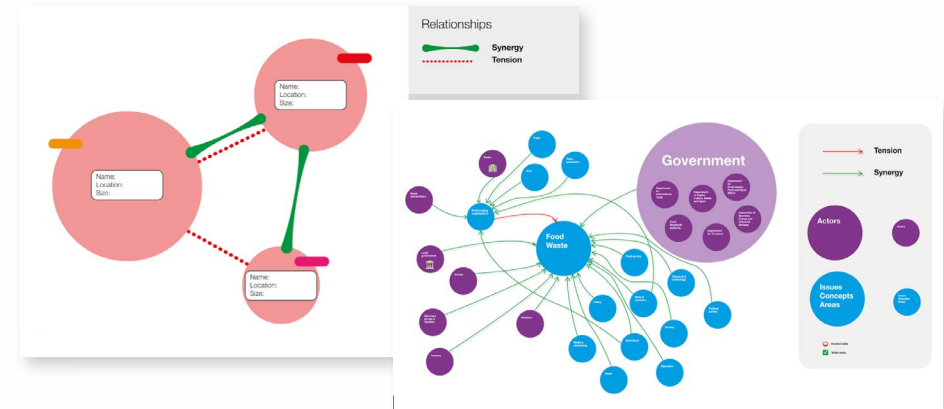
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CREATIVE FOOD SYSTEMS CONSULTANCY



Think.Create.Act

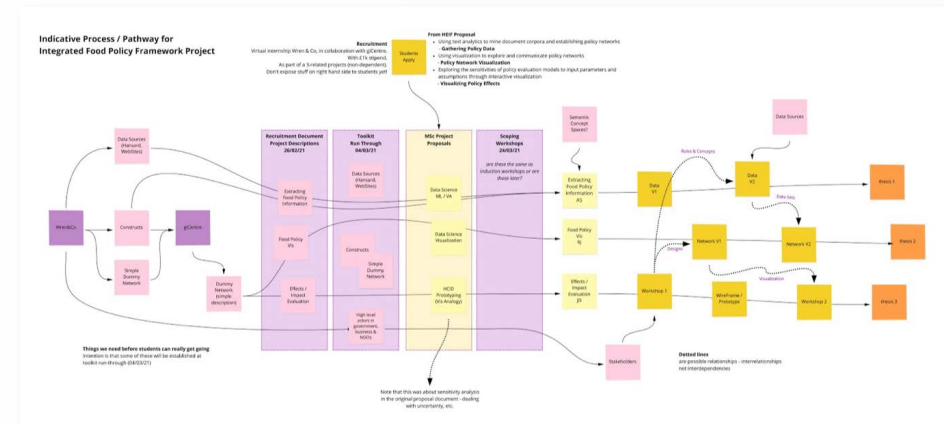
What was the problem?

Uses of artificial intelligence and data science to collect, visualise and model food policy data are in their infancy. Existing models for the use of data science with food systems are scarce and limited, with limited literature on the subject. Demonstrations of their value and impact for food systems actors across the policy landscape is unknown.



What was the solution?

To create an interdisciplinary project using food systems research from the Centre for Food Policy to inform a team of data scientists working in the giCentre at City, University of London. Securing funding provided the resources to support development of prototypes that explore the effectiveness of data science applications within food systems.



How we did it

Successfully winning a seed funding bid to provide resources that support three MSc data science students to build prototypes for the automated collection of food policy data, visualisation of food systems networks and mapping of effects in these networks. Developments in these projects will be demonstrated with non-academic partners from business, policy and NGO sectors to ensure impact and efficacy.



Our impact

Cutting edge use of AI and data science with demonstrable efficacy across academia, business, policy and NGO sectors, alongside prototype products which can inform the future of food systems modelling



- Funding data science research in food systems
- Co-ordinating interdisciplinary research projects
- Building effective real-world applications for academic research