

wbs

WARWICK BUSINESS SCHOOL
THE UNIVERSITY OF WARWICK

For the Problem Solvers

Ty Hayes

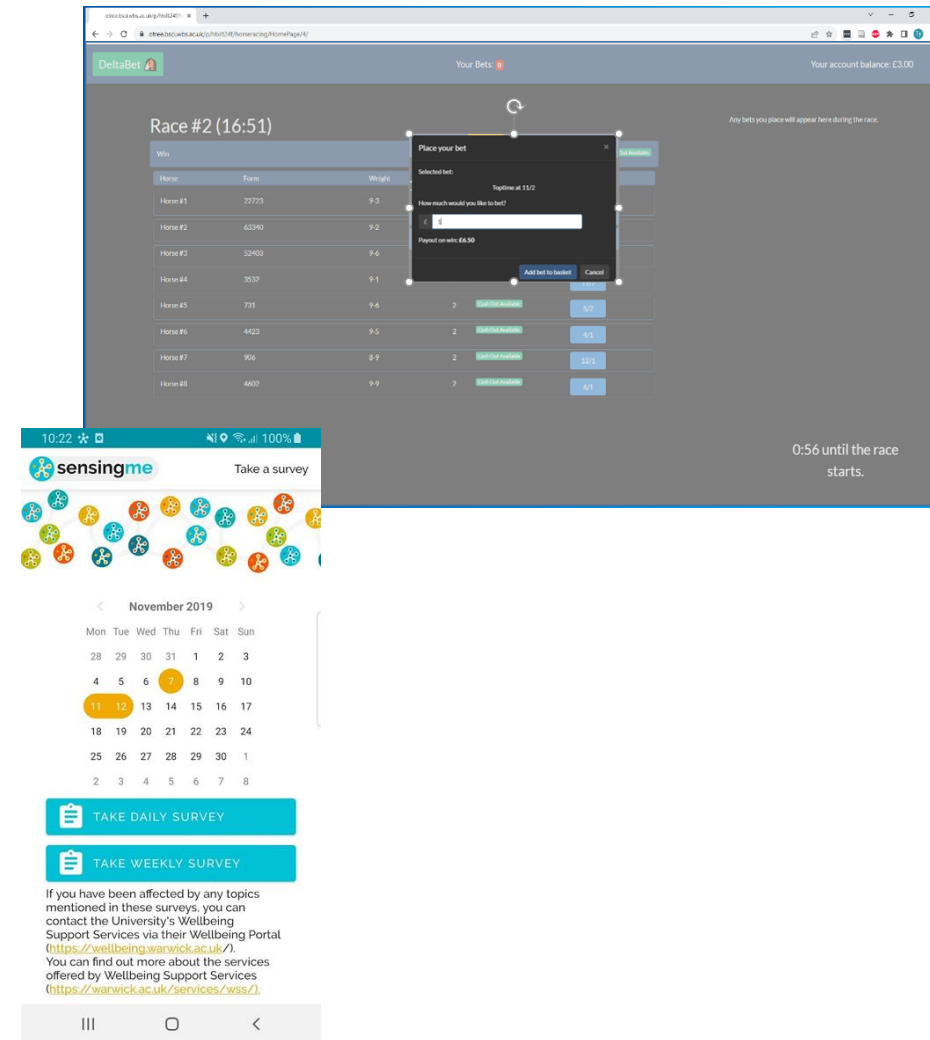
Senior Research Software Engineer
Behavioural Science Group, WBS

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Research Software Engineering at Warwick Business School

What we do at WBS

- Supporting a range of research in the Social Sciences
 - Experimental work on human participants
 - In dedicated labs
 - Multiple participant computer lab
 - Observation room with multiple cameras and sound recording
 - Eye tracking lab
 - Online
 - Big data from a range of data sources
 - “Online” processing in real time
 - “Offline” post-hoc analysis
 - Simulations of models
 - Decision making behaviour
 - Stock Prices
 - AI





[Link to online version](#)

How we work at WBS

Historically

- Embedded within Behavioural Science Group
 - Good working understanding of the field
- Consultation
 - Experiment/Research Project Design
 - Logistical and practical problems
- Experiment implementation & debugging
 - One-off advice to self-programmers
 - Coaching of Research Students & ECRs
 - Full development
 - Code review
- Overseeing and troubleshoot live' experiments
- System and Process Development

Current Projects and Moving Forward

- Dissemination
 - Workshops, taught courses and papers
 - Running experiments online
 - Coding for experiments with human participants
- Sean supporting school more widely
- Developing RSE support request/prioritisation process
- Processing and monitoring for AWS
- CSC services for simulation and AI research
- Wearables Data – (retrieval with OAuth)
- GenAI as a research tool

Thanks for listening