



Imperial College  
London

# Data Dive/Hackathon

Queen's University Belfast

22 January 2020



**QUEEN'S  
UNIVERSITY  
BELFAST**

MRC

Medical  
Research  
Council

09:00 – 09:15	Welcome	Nathan Green
09:15 – 10:00	Projects and Team Forming	
10:00 – 10:30	Introduction to Git and Git Hub	
10:30 – 11:00	Group Work	
<i>Coffee Break</i>		
11:30 – 12:00	Group Work	
12:00 – 12:30	Shiny in R	
12:30 – 13:00	Group Work	
<i>Lunch</i>		
14:00 – 15:00	Group Work	
<i>Coffee Break</i>		
15:30 – 16:45	Group Work and Present Findings	
16:45 – 17:00	Close of Day 2	

# Outcomes

- Capacity building.
- Kick-start early-stage collaboration among academics, government and industry.
- Set-up new networks to promote the exchange of ideas, information sharing, best practice, and other research goals.
- Strengthen existing and establish new communities of interest.
- Propose future collaboration and projects.
- Establish a hackathon format for future events around other economic evaluations themes.
- Specific outcomes include:
  - Packages published on public code repositories GitHub/CRAN.
  - Papers accompanying R packages and their applications (Journal of Scientific Computing, Medical Decision Making, Journal of Open Software)
  - Conference contributions

# Health Economics Hackathon 2019

- Imperial College London
- <https://github.com/HealthEconomicsHackathon>

Hacking is *creative problem solving*.

- Get involved, speak up, ask questions
- Be curious
- Be open-minded
- Have fun!

# Problem themes

Three broad areas:

- Data cleaning, munging, pre-processing
- Modelling
- Plotting, visualisation