



# Applied Research Methods (MULT30018)

Tutorial 1

Nhan La

- W1. Introduction
- W2. Descriptive statistics
- W3. Crosstabs and correlations
- W4. Regression 1
- W5. Regression 2 (In-class test - don't miss)
- W6. Experiments
- W7. Counterfactuals (In-class test - don't miss)
- W8. Mixed methods
- W9. Group presentations (In-class test - don't miss)
- W10. Final assignment workshop

- Get to know one another
- Review of course administration
- Appreciate the value of rigorous quantitative research
- Understand the difference between quantitative and qualitative approaches

Get to know your peers

Name

Major

Topics you care about

Questions about the subject

- Structure and attendance
  - Seminars
  - Online lectures
  - Tutorials
- Assessment
  - First assignment (15%)
  - In-class tests (15%)
  - Group presentation (20%)
  - Final assignment (50%)

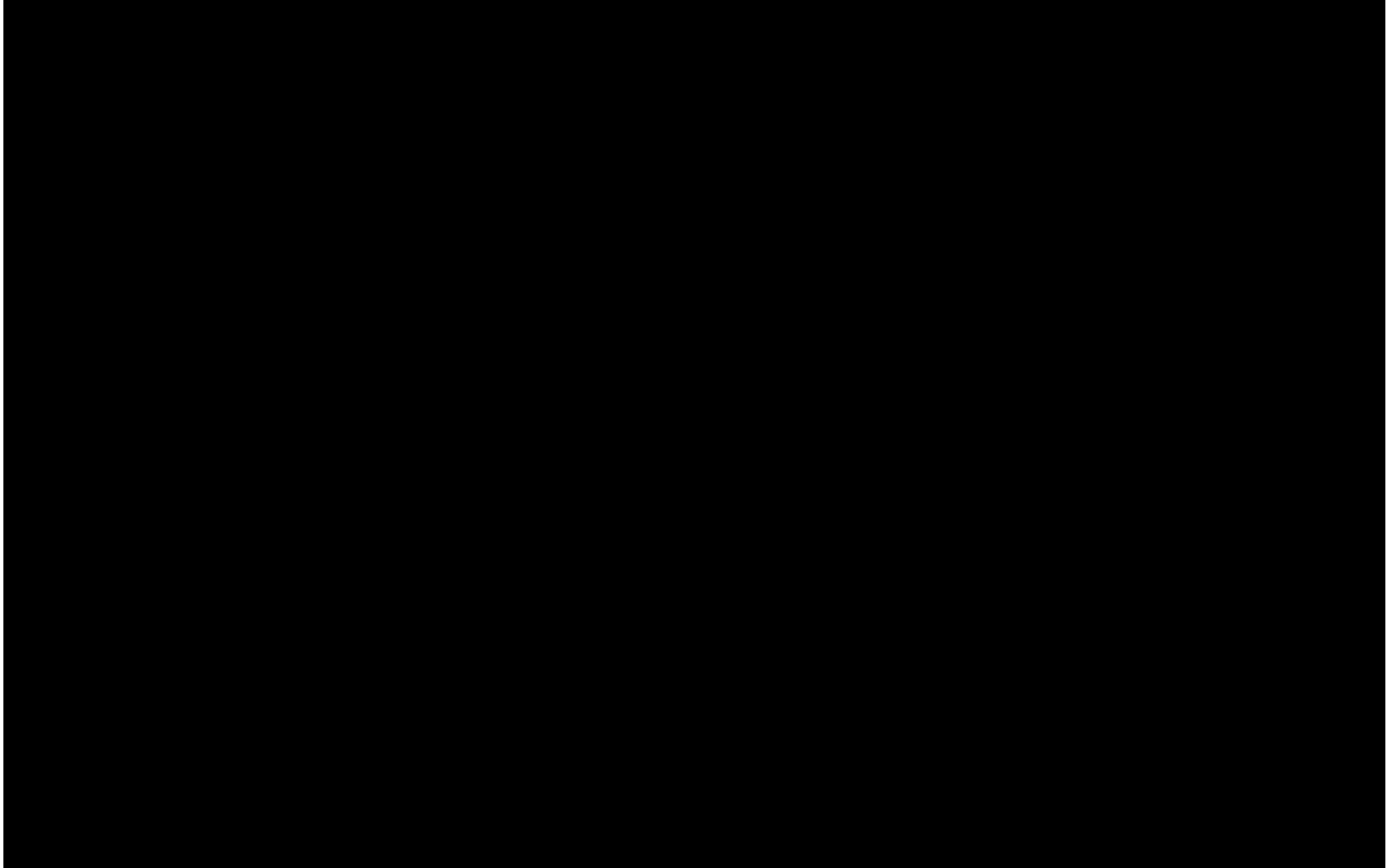
## - Recommendations

- Keep on top of online lectures
- Be consistent and learn throughout
- Difficulty will build up over time
- Combine both thinking and doing

## Communication

Consultation hours: Friday 2-3pm, 5.46 FBE Building  
Email

# How attentive are you?



- How many anomalies did you observe? What were they?
- This bias conceivably prevents us from making valid inference about the world
- There are many others:
  - Confirmation bias
  - Ease of retrieval bias
  - Representativeness



## Think-Pair-Share

- Think about the biases you have and note them down
- Pair up with a peer
- Share your biases in pairs

- Share your observations with class and discuss the following:
  - How do we form biases?
  - Where do you find biases?
  - How can we reduce biases?

Rank the following sources by the validity, reliability and scientific rigor

- Widely cited academic monograph
- Peer-reviewed journal paper
- Paper in a university repository
- Paper in an open access repository
- University website
- Academic's blog
- Academic's YouTube video
- Wikipedia article
- Documentary TV channel
- Newspaper article
- Political party manifesto
- Activist's website
- Drug company website
- Advertiser 's direct email

- Why do we need quantitative methods?
- What are the main differences between quantitative and qualitative methods?
- Why do we need theory?
- Why should we empirically test theory? How can we test theory?
- Are all theories testable? Can you think of examples?

## Qualitative vs. quantitative methods

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