



Course information



Data to decisions (GB704)

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Office hours: TBA, and by appointment



Grading

- HW (15%), midterm (35%), final (50%)
- HW assignments are due at the beginning of lecture on the due date – one per ICA group
- Midterm: TBA, in class
- Final: TBA



Teaching assistants

- Section 1: TBA
- Section 2: TBA
- Available to help you with the material in general and the assignments in particular



Course plan

1. Preliminaries
 2. From probability to statistics, and back
 3. Hypothesis testing
 4. Regression analysis: a primer
 5. Regression analysis for categorical variables
 6. Model selection
 7. Time series analysis
 8. Data mining/Machine learning
 9. Monte-carlo simulations
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Course Material

1. Power Point slides
2. Recommended reading and watching are detailed in [syllabus](#)



Tools

1. Excel

- a) Basics
- b) Math and statistical functions (SUM, AVERAGE, ...)
- c) Logical functions (IF...)
- d) Goal seek
- e) Data analysis toolpak (regressions, RAND...)
- f) Data-mining add-in, time permitting

2. R

- a) We will redo all our Excel calculations in R...
- b) ... but you won't be tested on it



Questions?

