



# Course information



Data to decisions (GB704)

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and by appointment



# Grading

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- HW (15%), midterm (35%), final (50%)
- HW assignments are due at the beginning of lecture on the due date – one per ICA group
- Midterm: September 26<sup>th</sup>, in class
- Final: October 19<sup>th</sup>



# Teaching assistants

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- Section 1: Carl Biggers
- Section 2: Kevin Cencula
- Available to help you with the material in general and the assignments in particular



# Course plan

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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



# Course Material

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



# Tools

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## 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

## 2. Math

- a) Basic algebra
- b) Notions of probability

## 3. Stata (briefly, for probits)

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# How to turn in computer tasks

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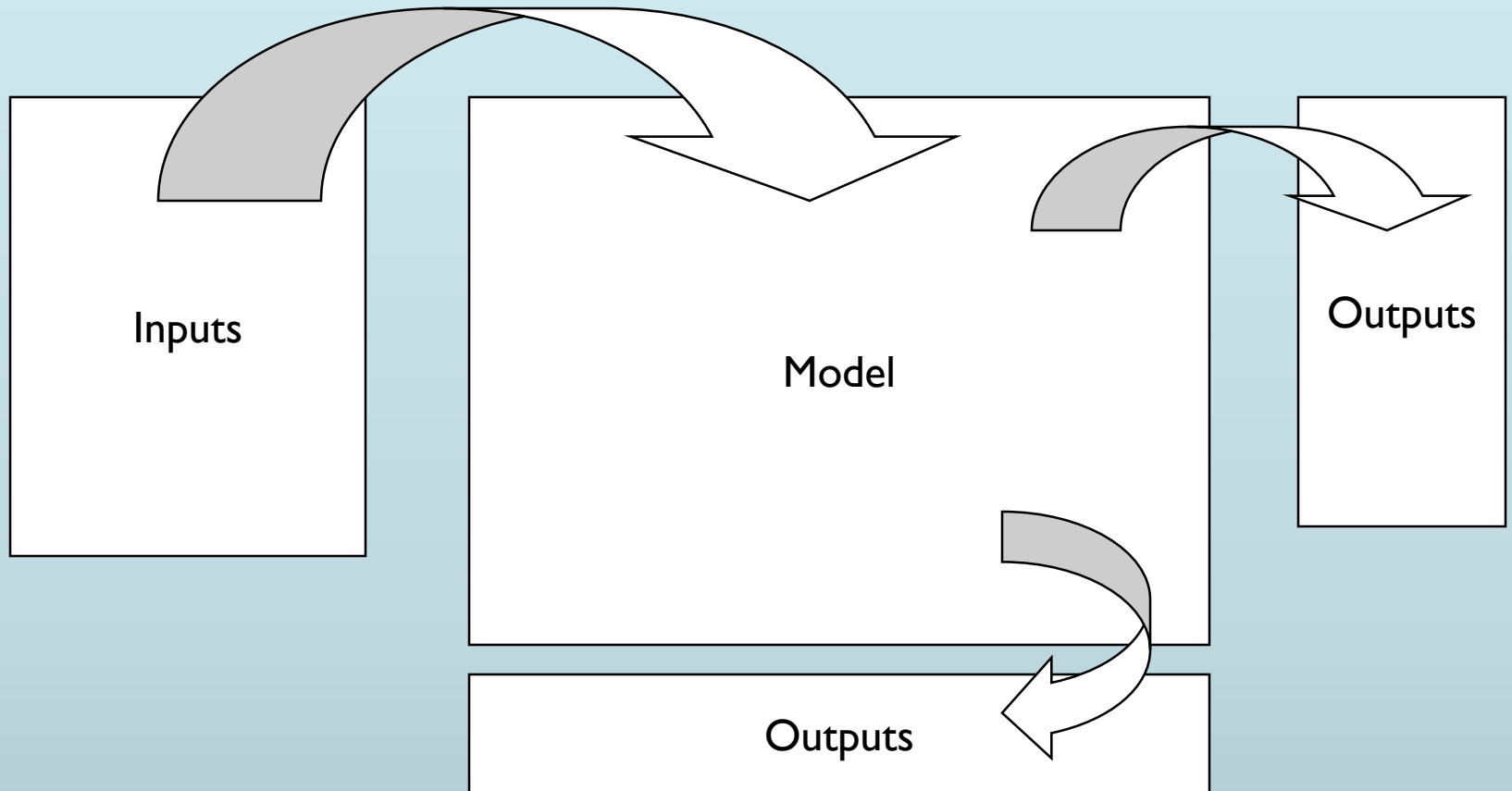
- Include print-outs of the **KEY** Excel sheets you used to derive answers
- Keep it short. Hide most data in long tables. Show me enough, but not more.





# Excel etiquette

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# Good spreadsheets

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1. Correct, clean and clear
2. As simple as possible
3. Use multiple sheets when and only when necessary



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# Questions?

