

# Macroeconomics I

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## Tutorial I

Kristóf Gyódi

# General Information

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- Lectures and tutorials
  - Lectures: highly recommended and essential to pass the course
  - Tutorials: to help you with solving problems and understand the course (not to teach theory!)
- Length: 30 hours, every Tuesday
  - Whiteboard exercises and computer labs
  - Room A104 and Aula H (labs)

# About me

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- Doctoral Candidate
- Area: Gig Economy, Online Platforms, Future of Internet
- Empirical research (data science)
- Office hours: at DELab UW
  - Thursdays 09:00-10:00
  - Please contact me first
  - BUW, 1<sup>st</sup> floor

# Contact

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- [kgyodi@wne.uw.edu.pl](mailto:kgyodi@wne.uw.edu.pl)
- Website: <https://kristofgy.github.io/macro101/>
- Class materials will be uploaded there

# Rules of the course

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- Final Grade=  $0.7 * (\text{Exam Grade}) + 0.3 * (\text{Tutorial Grade})$
- Tutorial Grade:
  - Class tests (30%)
  - Project (30%)
  - Final test (30%)
  - Activity (10%)

# Passing the tutorials

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- 3 conditions:
  - Max 2 unjustified absences
  - >50% points altogether
  - >50% final test
- Examples:
- Passed:
  - Final result: 60/100, Final test: 70%
- Failed:
  - Final result: 60/100, final test: 45%

# Tutorial Grade

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## Final grade:

- > 90 points: 5
- 81-90 points: 4+
- 71-80 points: 4
- 61-70 points: 3+
- 51-60 points: 3
- **Minimum requirement to pass the class:**  
More than 50% total points, passed final test (more than. 50%),  
max. 2 unjustified absences
- **ZERO TOLERANCE FOR CHEATING**

# Resits

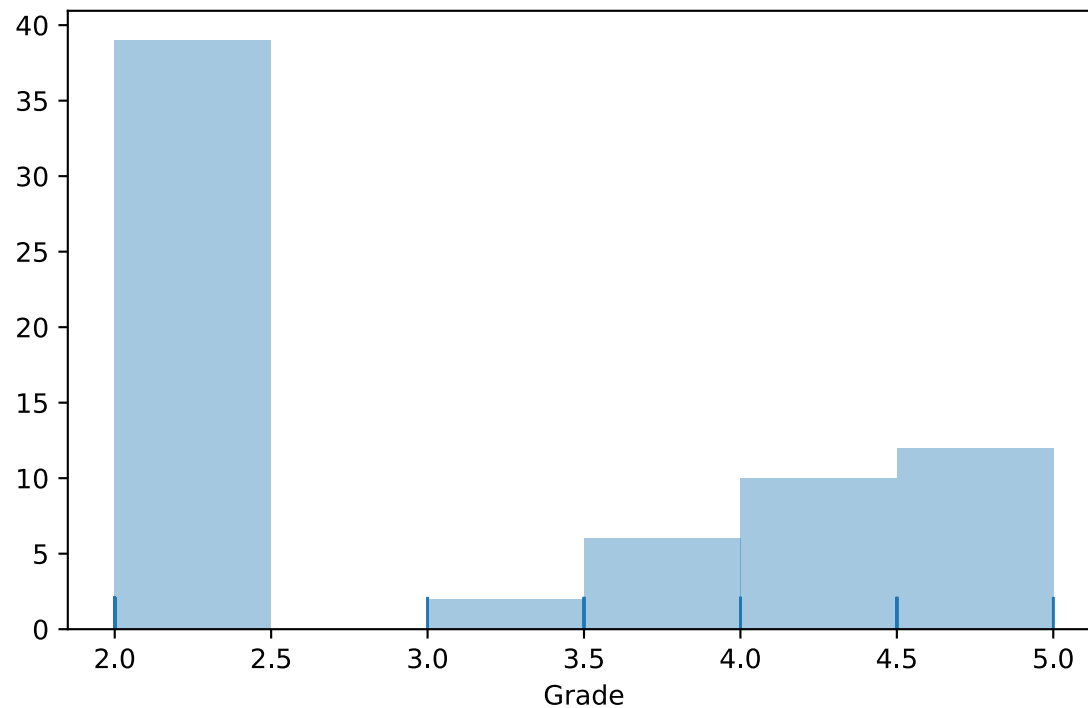
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- If you fail the tutorial, you may resit the final test in September
- Resit grade: 30% project, 70% Final test
- (Or 30% Resit Final Test + Activity/Class Tests etc)



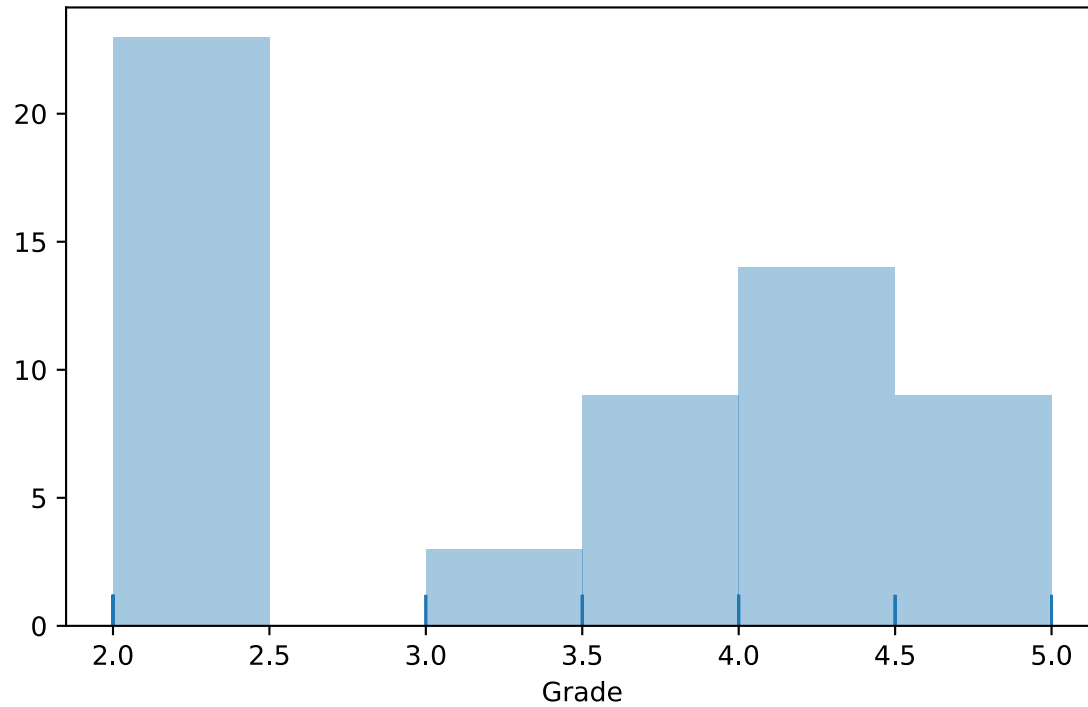
# Tutorial grades 2018

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# Tutorial grades 2018

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# Project Assignment

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- Based on the tutorials prepare an empirical analysis of a selected OECD country
- Aim: to present and explain economic processes using what you have learnt
- Details will be available on the website
- Contents:
  - Introduction: location, population, political system, importance in global economy
  - SNA: GDP, GNP, GDP per capita etc.
  - Labour Market
  - Inflation, Money Supply
  - Exchange Rates, Balance of Payments, International Trade
  - Conclusions

# Team work

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- Teams of maximum 3
- Empirical analysis with own graphs and figures prepared in Excel (Python, R is also welcome)
- Interpretation of the figures, not a description of data
- Comparison to other countries (e.g. EU28 average, OECD average, top and low performers) is suggested

# Evaluation of the project

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- Report (MS Word, LateX):
  - Formal requirements: tables and figures with appropriate titles and sources, bibliography
  - Creativity in selecting the information you analyse (various data available)
  - Text and graphical presentation
- Presentation at the end of the term
  - Presentation slides and style will be evaluated

# OECD countries

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- OECD.org
- 34 countries: all groups have to choose different countries in all 3 groups!
- A google sheet is available on the website
- Next class: deadline for final decision

# Macroeconomics

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- Macroeconomics analyses the joint effects of economic agents' activities
- Not individual firms, households etc. (micro), but the aggregate level
- Analysis of public policy
- Models help us to explain reality: but assumptions are key factors
- Multiple models: different outcomes for the same problem

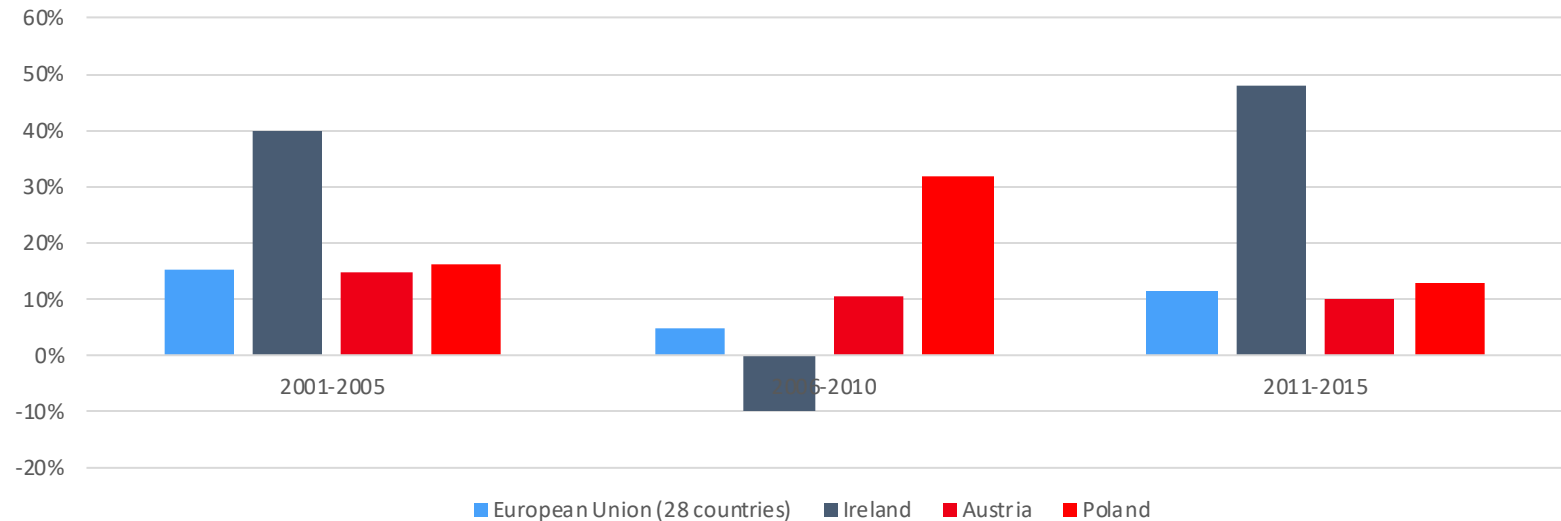
# Databases

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- Eurostat: <http://ec.europa.eu/eurostat>
- World Bank: <http://data.worldbank.org>
- OECD: <https://data.oecd.org>

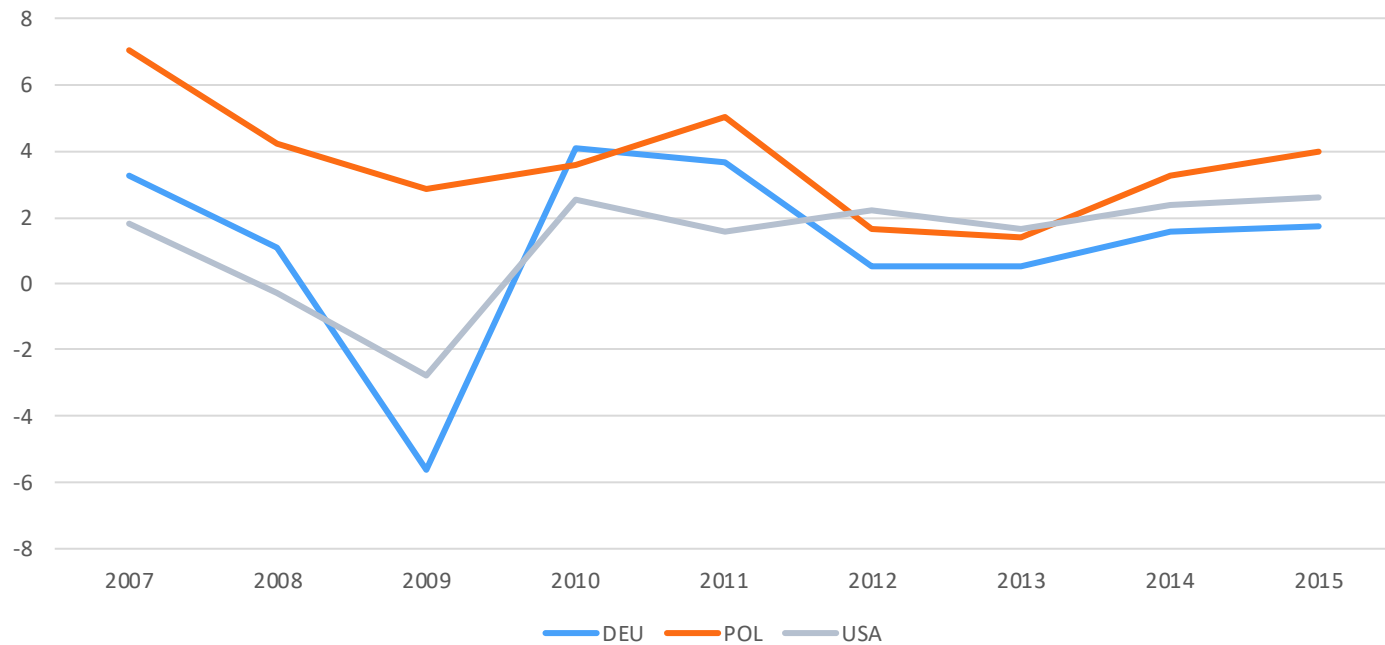


- Example: % Change in GDP in different time periods



# World Bank

## ■ Annual GDP Growth Rates



# OECD

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- Net trade flows, 2014 (mln USD)

