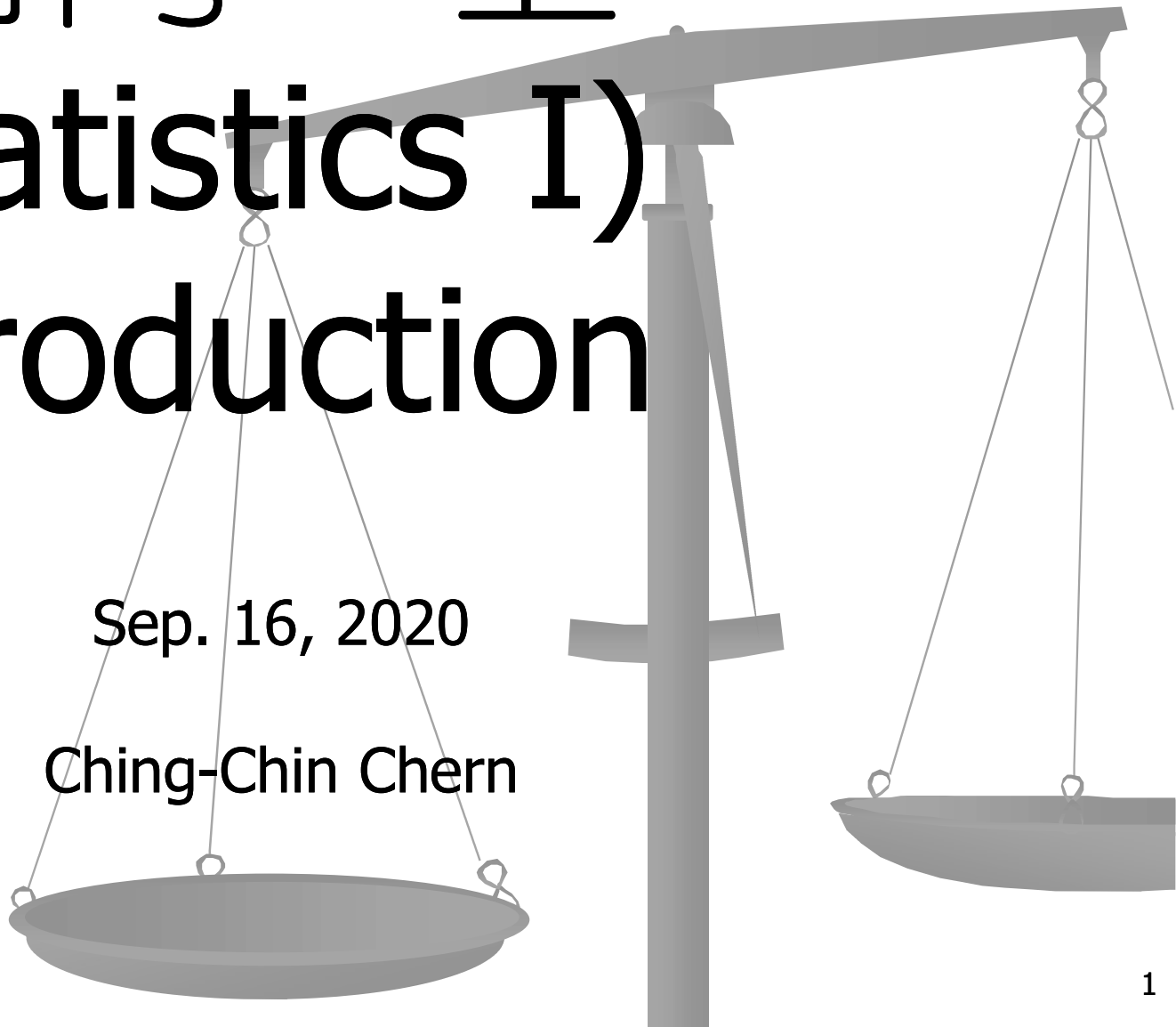


# 統計學—上 (Statistics I) Introduction

Sep. 16, 2020

Ching-Chin Chern



# Course Description

- Solving statistical problems begins with **problems** and **data**. This class emphasizes on **applications** and **fundamental concepts** of statistics as well as provides a practical orientation to **identify** the correct method, **calculate** the statistics, and properly **interpret** the results in the context of the question or the decision at hand.

# Course Objective

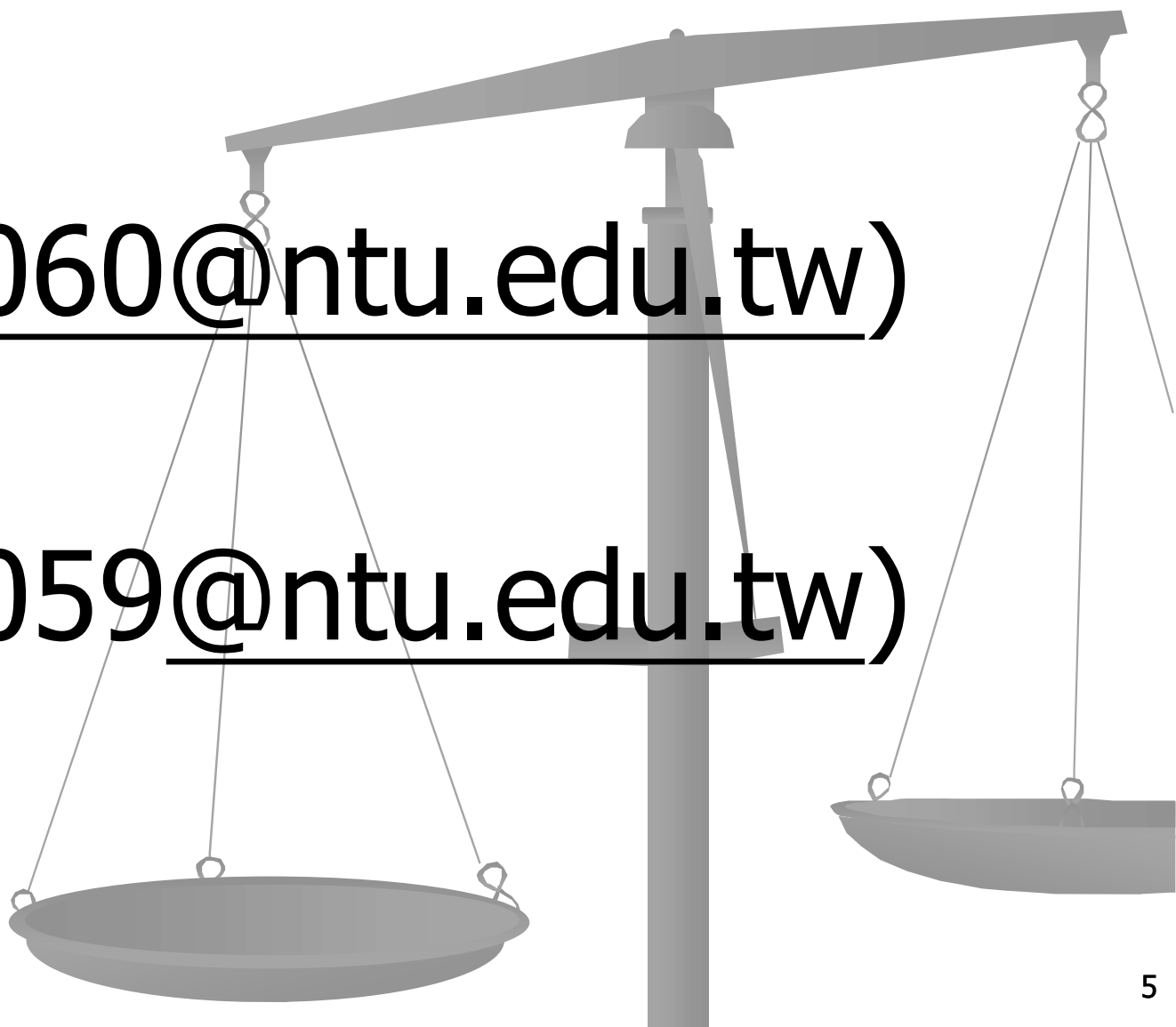
- The students will learn not only the fundamental concepts and techniques used to solve related problems, but also the **real-world applications** that adopt these methods. The students are encouraged to **utilize computers** in every respect of this class.

# Instructors

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# Teaching Assistants

- 黃瀚陞  
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# Textbook

- Statistics for Management and Economics by Gerald Keller (11th Edition)

東華書局/新月圖書

Tel: (02) 2311-4027

# Course Web Sites

- Ceiba:

[https://ceiba.ntu.edu.tw/1091MGT2001\\_09](https://ceiba.ntu.edu.tw/1091MGT2001_09)

- NTU COOL:

<https://cool.ntu.edu.tw/courses/3103>

# Grading

- Homework 15%
- Project (**Jan. 6**) 15%
- Mid-term Exam (**Nov. 11**) 35%
- Final Exam (**Jan. 13**) 35%

Both Mid-term and Final exams are held in the **Computer Rooms**



# Homework

- Students should complete their homework using Python (Version 3) and Jupyter Lab. They should submit their files (\*.ipynb) to NTUCOOL. The submission should contain code and results. Homework assignments are due the following week before the class begins (i.e. 2:20 pm). Plagiarism will be harshly punished. Students are allowed to discuss homework questions with each other. The discussion, however, should be about a specific concept or detail instead of the complete answers for a given question. Sharing your answers with other students is strictly prohibited.

# Lab

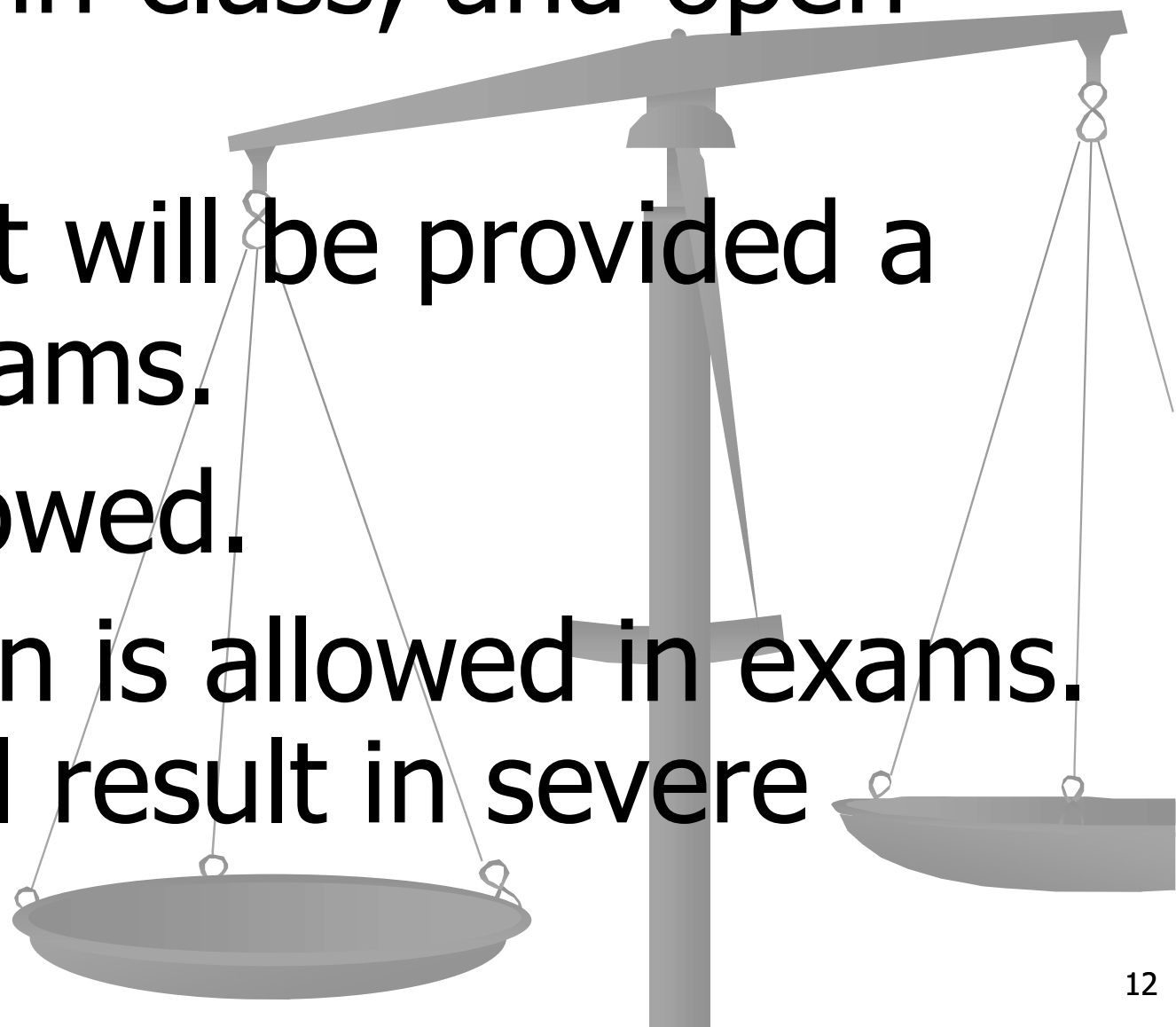
- The teaching assistants will conduct a lab session the next week after a homework assignment. The procedures for answering homework questions will be demonstrated in the lab sessions.
- Any questions regarding the homework (including grades) will be resolved in the labs.

# Project

- Form each group with 5-8 persons. Select a research question that allows you to tell a story using the techniques you learned in this course. Your group should conduct a 12-minute presentation and turn in your slides, codes, and datasets to NTUCOOL within 24 hours after your presentation.

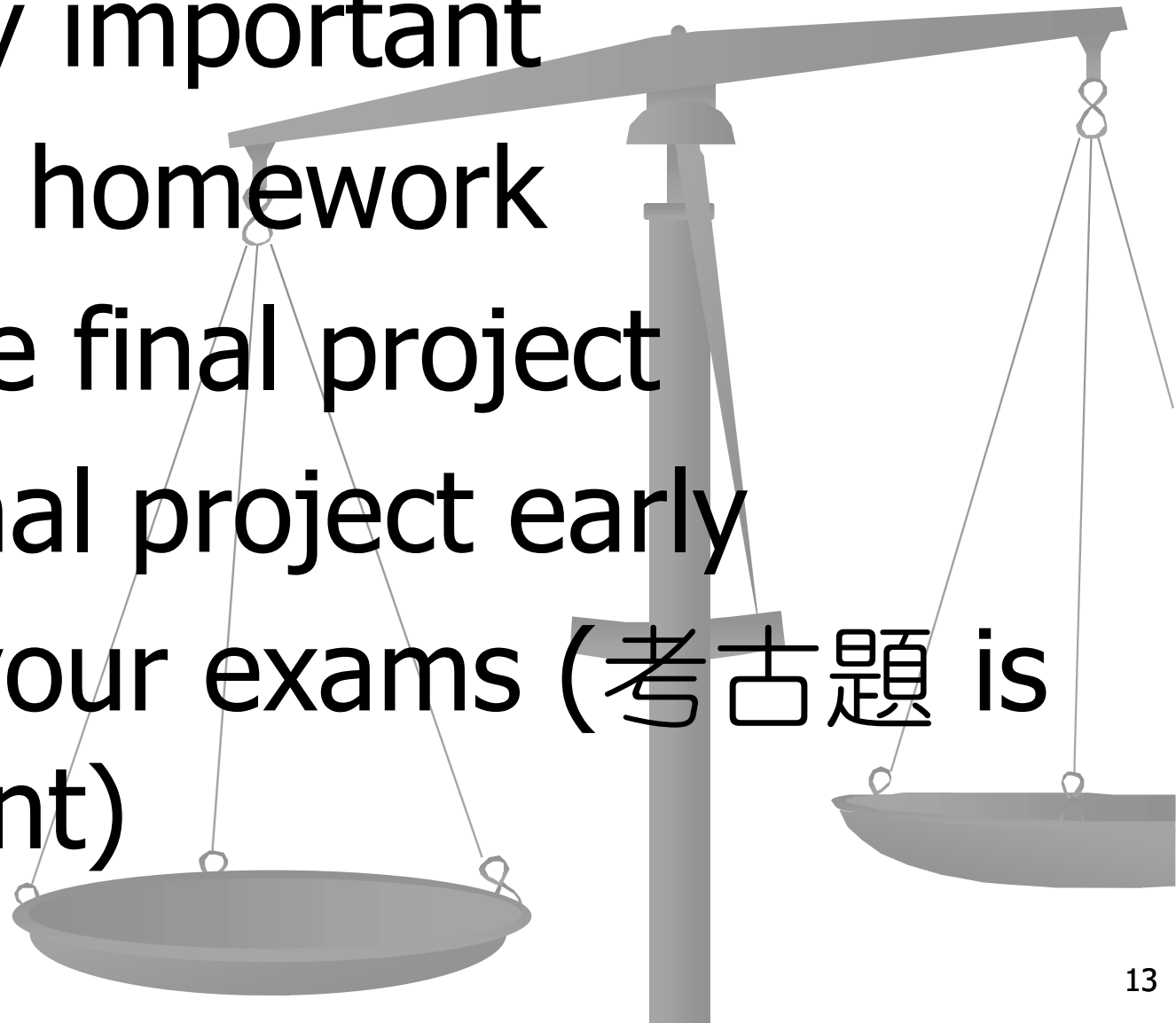
# Exams

- Three-hour, in-class, and open-book.
- Each student will be provided a PC in the exams.
- No NB is allowed.
- No discussion is allowed in exams. Cheating will result in severe penalty.



# Tips

- Labs are very important
- Do your own homework
- Involve in the final project
- Start your final project early
- Prepare for your exams (考古題 is very important)



Wish we all have a  
great learning  
semester!

