

Seminar

Teacher: Jerry Hsu, [中原大學](#), [電機資訊學院](#), [工業與系統工程學系](#)

Email: chhsu135 AT gmail

Email subject: Seminar, your name (郵件主旨: 書報討論, 姓名)

- [Speakers](#)
- **Report due date:** Midterm 4/13, Final 6/20
- TA: 趙振宇 (Jeff), email: zz2347605 at gmail dot com
 - If you have further questions, please ask the TA. (cc (副本) teacher: chhsu135 at Gmail)
 - TA will handle your questions or concerns.
 - TA will discuss this with me if he cannot resolve the issues.
- The original scores of some students are over 100. You are responsible for showing up, asking questions, and submitting your reports on time.
- Thursday: Attendance and participation 20%
- 週三晚 (wed. night)
 - Attendance, **that is, show up on time:** 10%
 - Ask questions during the talk: 10%
 - **Please keep your questions precise and short.**
 - **Please use the school's MS team (for my class) and login to the account with student_ID@o365st.cycu.edu.tw. Please use a browser-based login instead of the application program to avoid login problems.**
 - Please **post your question** and **speaker's answer** on CYCU ilearning before each Thursday under “討論區”.
- 根據講者內容寫心得報告 (Write a summary based on the speaker's content in **Chinese or English**):
 - Please **choose 12 of 14 talks** and submit your summarization in a **(Word to) pdf file** on [CYCU ilearning/Homework \(by week\)](#).
 - Summarize with 200 words at most: Basic information (the topic), several critical points of the talk, your takeaways, and comments.
 - [翻轉教室 \(Flipped classroom\)](#): Good and bad examples of summarization.
 - [聽不懂演講時怎麼辦 \(What to do if you do not understand the content of a speech?\)](#)
 - **Weighting and Deadline:**
 - 50% for international students and (4 + 1): **Friday night** (due to the language barrier)
 - 50% for Wednesday night: **Thursday night**

- If you do not show up in a particular week, your written report will be counted as 0.
- Lifelong learning is key to your career success, so “learning from smart people” is essential. If you want to do your stuff, please sit in the back.
 - [Mark Zuckerberg](#) (founder of Facebook), 2005, [YouTube](#)
 - “I suggest that you take the hardest courses that you can, because you learn the most when you challenge yourself.”
- 期末自由挑選論文導讀，若作者是學期中的講者可額外加分。(At the end of the semester, you are free to choose [any topic in IE](#). You can get extra points if the author is a speaker during the semester.): 30%
 - Please refer to the format of [CIIE 2023 for Chinese or APIEMS2024 for English](#).
 - [How to find a paper](#)
 - All your cited papers are related to your chosen topic, e.g., AI in the supply chain or ergonomics design experiments.
 - Midterm checkpoint: Around 2 - 3 pages. Please state the main points of one English paper.
 - Please upload your English paper with your written report.
 - Final report (an extension of your midterm report): Around 5 - 6 pages.
 - Please cite at least 2 English papers using Google Scholar, one for the midterm and one for the final.
 - Please upload your 2 English papers with your written report.
 - The page number of the cited papers should be larger than ten pages.
 - You could choose the second paper that cites your first paper using [Connected Paper](#).
 - [Guides for students](#): Some tailored to my lab
 - 專題和論文的製作與報告 ([tips for the final project and your thesis](#))
 - D. S. Bernstein, [A Student's Guide to Research](#), *IEEE Control Systems Magazine*, Vol. 19, pp. 102-108, February 1999.
 - P.R. Kumar, [On graduate studies and research](#), UIUC, 2009.
 - S. Keshav, [How to Read a Paper](#), CS, University of Cambridge. ([influential](#), [two pages only](#))
 - Print it double-sided and read it carefully.
 - [Printed?](#) Check its Chinese translation and take note, rest your eyes, and look back and forth.
 - Sharon Zhou, Stanford CS236G GANs ([slide](#), [talk](#))
 - Useful tool: Grammarly

- Data science: Domain knowledge + Math/statistics + Software
 - [Data Is the New Oil of the Digital Economy.](#)
 - For IE: Process (and quality) as Domain knowledge
- Harvard Business Review, *HBR at 100: The Most Influential and Innovative Articles from Harvard Business Review's First Century*, June 14, 2022. (30 articles in 100 years) ([Chinese](#))
 - Thomas H. Davenport and D.J. Patil, [Data Scientist: The Sexiest Job of the 21st Century](#), HBR, October 2012.
 - (further information) Thomas H. Davenport and D.J. Patil, [Is Data Scientist Still the Sexiest Job of the 21st Century?](#), HBR, July 2022.
 - [Erik Brynjolfsson](#) and Andrew McAfee, [The Business of Artificial Intelligence](#), HRB, July 2017.
- Excellent background knowledge in [optimization and machine learning](#):
 - [Andrew Ng](#), [How to Build Your Career in AI](#) (free ebook)
 - "AI is the new electricity. It will transform and improve all areas of human life."
 - The Analytics Edge by MIT
 - Required course for [Master of Business Analytics](#) (10k US dollars)
 - [MIT OCW](#), [YouTube](#), [edX](#) (10–15 hours per week for studying this course)
 - Free courses at Coursera, edx
- 簡禎富, IC 之音 | [藍湖策略. 數位轉型](#) (知識含量很高的節目, 眼睛休息的時候, 可以聽一下, 以了解產業現況)
 - [For English podcast](#)
- [AI 工具系列](#), [AI 論文工具](#)
- [Mayo Clinic example](#)

post

four news articles related to four speeches in the discussion board
before the first 14 weeks