

# Quantitative Methods (I)

Fall 2025  
PhD Program in Business, CYCU

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Week	Date	Contents	Remarks
1	9/10/2025	Introduction Review of basic statistics concept (1)	Chapter 1
2	9/17	Review of basic statistics concept (2), ANOVA The simple linear regression model (1)	Chapter 2
3	9/24	The simple linear regression model (2)	Chapter 2
4	10/1	Hypothesis testing (1)	Chapter 3
5	10/8	Hypothesis testing (2)	Chapter 3
6	10/15	Goodness-of-fit and modeling issues (1)	Chapter 4
7	10/22	Goodness-of-fit and modeling issues (2)	Chapter 4
8	10/29	The multiple regression model (1)	Chapter 5
9	11/5	Mid-term report	
10	11/12	The multiple regression model (2)	Chapter 5
11	11/19	Further inference in multiple regression model (1)	Chapter 6
12	11/26	Further inference in multiple regression model (2)	Chapter 6
13	12/3	Using indicator variables (1)	Chapter 7
14	12/10	Using indicator variables (2)	Chapter 7
15	12/17	Heteroskedasticity (1)	Chapter 8
16	12/24	Heteroskedasticity (2)	Chapter 8
17	12/31	Regression with time series data	Chapter 9
18	1/7/2026	Final report	

Texts: Hill, Griffiths and Lim, *Principles of Econometrics, 5th Edition*, 2018, Wiley, 滄海書局代理 [www.wiley.com/college/hill](http://www.wiley.com/college/hill)

Griffiths, Hill and Lim, *Using EViews for Principles of Econometrics 5th Edition*, 2018, Wiley, 滄海書局代理

Grading:      Class Participation      20%  
                 Homework                      45%  
                 Final Report                          35%

Q&A:          Monday 10:30 – 12:00  
                 Tuesday 13:00 – 15:00