

# Quantitative Methods (I)

Fall 2025

PhD Program in Business, CYCU

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Week	Date	Contents	Remarks
1	9/11	Introduction Review of basic statistics concept (1)	Chap 1
2	9/18	Review of basic statistics concept (2), ANOVA The simple linear regression model (1)	Chap 2
3	9/25	The simple linear regression model (2)	Chap 2
4	10/02	Hypothesis testing (1)	Chap 3
5	10/09	Hypothesis testing (2)	Chap 3
6	10/16	Goodness-of-fit and modeling issues (1)	Chap 4
7	10/23	Goodness-of-fit and modeling issues (2)	Chap 4
8	10/30	The multiple regression model (1)	Chap 5
9	11/06	Mid-term report	
10	11/13	The multiple regression model (2)	Chap 5
11	11/20	Further inference in multiple regression model (1)	Chap 6
12	11/27	Further inference in multiple regression model (2)	Chap 6
13	12/04	Using indicator variables (1)	Chap 7
14	12/11	Using indicator variables (2)	Chap 7
15	12/18	Heteroskedasticity (1)	Chap 8
16	12/25	Heteroskedasticity (2)	Chap 8
17	1/01	No class	
18	1/08	Final Report	

Texts: Hill, Griffiths and Lim, *Principles of Econometrics*, 5<sup>th</sup> 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* 5<sup>th</sup> 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