

課程名稱	健康測量問卷之實作 Practice in health-related assessments	
時間/地點	W6 PM3-7	
開課學期		
先修科目	無；no pre-required course	
學分數	2 credits	
開課老師 Teachers	林宗瑩 (Chung-Ying Lin; CY Lin)	
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課程概述	This course will describe commonly used statistics in validating health-related assessments. In addition, this course will guide the students to summarize the statistical findings in different forms, including table, figure, or main text. Some skills or techniques related to questionnaire design or questionnaire translation will be provided in the course and the students are requested to design or translate a questionnaire through the semester. The students also need to present their questionnaire with related psychometric testing orally as a training for disseminating their academic findings.	
教學目標	<ol style="list-style-type: none"> 1. Have the ability to interpret the psychometric findings. 2. Have the ability to summarize the statistical results in table, figure, or text forms. 3. Have the ability to design a questionnaire. 4. Have the ability to perform several statistical methods taught in the course. 	
課程要求	class presentation; assignments; participation	
評量方式	<ol style="list-style-type: none"> 1. Written project: 30% 2. Oral presentation: 30% 3. Course participation: 40% 	
Week 1 2023/09/09	Course introduction; Basic principles in questionnaire design	CY Lin/ IH Chen (陳奕樺) 線上
Week 3 2023/09/23	Questionnaire translation and practice	CY Lin/ IH Chen (陳奕樺) 線上
Week 5 2023/10/07	Validity and reliability; Choosing a Quality of life measure for your study: psychometry, validity, reliability & responsiveness, item response theory	CY Lin/ EC Chiu (邱恩琦) 台北
Week 7 2023/10/21	Item generation and practice	CY Lin/ EC Chiu (邱恩琦) 台北

Week 9 2023/11/04	Rasch analysis and practice	CY Lin/ EC Chiu (邱恩琦) 台北
Week 11 2023/11/18	Factor analysis and practice	CY Lin
Week 13 2023/12/02	Structural equation modeling and practice	CY Lin
Week 15 2023/12/16	Presentation and course evaluation (I)	CY Lin
Week 17 2022/12/30	Presentation and course evaluation (II)	CY Lin

Assignment:

1. Four to five students in a group to design or translate a questionnaire in health field. The student should also use data to conduct psychometric testing taught in the class and interpret the results.
2. Four to five students need to present their questionnaire and psychometric testing at the semester end. Accordingly, the students should lead some discussions in the class. The total presentation plus Q&A time will be about 30 minutes for each group.
3. All students are required to read and present the assigned readings. Critical and active thinking and inputs are also required during class discussion.
4. The students are expected to attend every class. If any student has any reasons be absent in a class, please notify the instructor **before** class via e-mail.