

Instructor : Yi-Kuan Tseng
Office : M 507
Office Hours: By appointment.
Lecture : Wed. 1:00 – 3:50

Textbook : Alan Agresti (2018). An introduction to categorical data analysis 3rd Edition, Wiley, ISBN : 978-1-119-40526-9.

Course website: <http://www.stat.ncu.edu.tw/teacher/Tsengyk/Categorical.html>

Reference book: 1. Applied logistic regression, by Hosmer and Lemeshow (2000), ISBN : 0471356328.
2. Generalized linear models 2nd Edition, by McCullagh and Nelder (1989), ISBN : 0412317605.

Topics :

1. Contingency table
2. Generalized linear model
3. Logistic regression
4. Building and applying logistic regression models
5. Multicategory logit model
6. Loglinear models for contingency table
7. Models for matched pairs

Grading Policy:	Attendance/ Homework	20%
	Midterm/ Homework	35%
	Final Exam/Final report	45%

▲ Homework may involve derivations of statistical results and computer assisted data analyses.