

Syllabus

Statistical Data Analysis I

Course Name	Course type (credit/hours)	전선(3/3)		Course code		
	Target students Division/major/grade	/		Opening semester	2019년 2학기	
	Class time and classroom					
Reference to this course	Related basic courses					
	Recommended concurrent courses					
	Related advanced courses					
Instructor	Name (title/division)					
	Office Room Number		Office phone Number	2560	e-mail	shahn@ajou.ac.kr
	Office hours		Homepage address			
Teaching Assistant	Name (title/division)					
	Office Room Number		Office phone Number		e-mail	

1. Introduction

Pre-requisite: probability and statistics, Mathematical Statistics, matrix theory

2. Course Objectives

3. Class types and activities

4. Teaching Method

강의식 (R 실습)

5. Knowledge and ability required for taking this course

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6. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance			
midterm exam			
final exam			
quiz			
presentation			
discussion			
homework			
etc			

시험 2회 및 과제

7. Textbooks

Main/Sub	Title	Writer	Publisher	Publication year
부교재	Categorical Data Analysis	Alan Agresti	Wiley	

8. Lecture Schedule

Week	Lecture contents	Lesson type	Remark
1	Introduction: Categorical Data		
2	Contingency Tables Analysis: one-way tables		
3	Contingency Tables Analysis: two-way tables		
4	Contingency Tables Analysis: two-way tables		
5	Contingency Tables Analysis: three-way tables		
6	Generalized Linear Model (GLM)		
7	Generalized Linear Model (GLM)		
8	Test		
9	Logistic Regression		
10	Multinomial Logistic Regression		
11	Poisson Regression		
12	Log-Linear model		
13	Generalized Estimating Equations (GEE)		
14	Test		

9. Others

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