

2018학년도 1학기 수업계획서

강의교과목	학부(신촌) BIZ3198-01		
최초등록일	2018-01-12 13:16:58	최종수정일	2018-04-10 16:42:32
교과목명	비즈니스프로그래밍	학점	3
강의실	경영B205	강의시간	수9,금9,10

교수명	최애리	소속	경영대학 경영학과
연구실		연락처	
Email 및 면담시간			

수강대상	Undergraduate Business School students																		
수업목표 및 개요	<p>1. Course Description The rapid advances in technology afford unprecedented ability to collect massive data, shifting the paradigm in which entrepreneurs make business decisions. This course is designed to provide students with analytical skills on exploring data and basic concepts of programming language (Python). More specifically, this course introduces the fundamental principles of programming language, allowing students to collect and process data with libraries provided in Python. Through this course, students will be able to effectively process and analyze data with the ability to explore and understand data structures by using programming language. The class will be accompanied by both lectures and hands-on exercises, providing opportunities for students to handle programming software. Note: All lectures will be delivered in English.</p> <p>2. Course Objectives Students will be able to:</p> <ol style="list-style-type: none"> 1. Understand basic concepts of business analytics and apply it to solve problems. 2. Use python language for data analyses. 3. Collect data and setup empirical analyses strategies. 4. Understand basics of statistics and empirical analyses. 5. Setup research questions and empirical models. 6. Interpret results from empirical analyses. 																		
선수과목(선수학습)	Basic statistics																		
강좌운영방식	Components of the course include: lectures regarding Python languages, students' hand-on exercise, and homework.																		
성적평가방법	<p>Grades will be weighted based on:</p> <p>Mid-term exam 20% Project (In-class exercise) 30% Final Exam 30% Class attendance and Participation 20% Total 100%</p>																		
교재 및 참고문헌																			
교수정보	Angela Aerry Choi																		
조교정보	No TA																		
	<table border="1"> <thead> <tr> <th>Week</th> <th>Date</th> <th>Topics</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3.2 (Fri)</td> <td>Class Introduction</td> </tr> <tr> <td></td> <td>3.7 (Wed)</td> <td>Python setup & Introduction to Python</td> </tr> <tr> <td>2</td> <td>3.9 (Fri)</td> <td>Control Flow (e.g., For, While, If..)</td> </tr> <tr> <td></td> <td>3.14 (Wed)</td> <td>Function</td> </tr> <tr> <td>3</td> <td>3.16 (Fri)</td> <td>Project I (In-class exercise)</td> </tr> </tbody> </table>	Week	Date	Topics	1	3.2 (Fri)	Class Introduction		3.7 (Wed)	Python setup & Introduction to Python	2	3.9 (Fri)	Control Flow (e.g., For, While, If..)		3.14 (Wed)	Function	3	3.16 (Fri)	Project I (In-class exercise)
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(영문) 수업계획서 Syllabus in English	4	3.21 (Wed) 3.23 (Fri)	Input and print Class, instance, init method, inheritance	
	5	3.28 (Wed)	Project II	
		3.30 (Fri)	Module, Exception	
	6	4.4 (Wed)	Reading and Writing CSV files	
		4.6 (Fri)	Dates and Times, Numpy	
	7	4.11 (Wed)	Data handling I	
		4.13 (Fri)	Review	
	8	4.18 (Wed)	Midterm	Midterm week
		4.20 (Fri)	Midterm	
	9	4.25 (Wed)	Data handling II	
		4.27 (Fri)	Hypothesis Testing I	
	10	5.2 (Wed)	Hypothesis Testing II	
		5.4 (Fri)	Regression I	
	11	5.9 (Wed)	Logistic Regression	
		5.11 (Fri)	Logistic Regression	
	12	5.16 (Wed)	Web Crawling	
5.18 (Fri)		Introduction to R		
13	5.23 (Wed)	Data Analyses with R (In-class exercise)		
	5.25 (Fri)	Data Analyses with R		
14	5.30 (Wed)	Machine Learning with R I		
	6.1 (Fri)	Machine Learning with R2		
15	6.6 (Wed)	No Class		
	6.8 (Fri)	Review		
16	6.13 (Wed)	No class		
	6.15 (Fri)	Final Exam	Final Week	
	6.20 (Wed)	Final Exam		
파일첨부				

주차	기간	수업내용	교재범위 및 과제 등	비고
1	2018-03-02 - 2018-03-08	Class Introduction Python setup & Introduction to Python		(3.2.) 개강 (3.7. - 3.9.) 수강신청 확인 및 변경
2	2018-03-09 - 2018-03-15	Control Flow (e.g., For, While, If..) Function		(3.7. - 3.9.) 수강신청 확인 및 변경
3	2018-03-16 - 2018-03-22	Project I (In-class exercise) Input and print		
4	2018-03-23 - 2018-03-29	Class, instance, init method, inheritance Project II		
5	2018-03-30 - 2018-04-05	Module, Exception Reading and Writing CSV files		(4.3. - 4.5.) 수강철회
6	2018-04-06 - 2018-04-12	Dates and Times, Numpy Data handling I		(4.9.) 학기 1/ 3선
7	2018-04-13 - 2018-04-19	Review Midterm		(4.18. - 4.24.) 중간시 험
8	2018-04-20 - 2018-04-26	Midterm Data handling II		(4.18. - 4.24.) 중간시 험
9	2018-04-27 - 2018-05-03	Hypothesis Testing I Hypothesis Testing II		
10	2018-05-04 - 2018-05-10	Regression I Logistic Regression		(5.5.) 어린이 날



11	2018-05-11 - 2018-05-17	Logistic Regression Web Crawling		(5.16.) 학기 2/3 선
12	2018-05-18 - 2018-05-24	Introduction to R Data Analyses with R (In-class exercise)		(5.22.) 석가 탄신일
13	2018-05-25 - 2018-05-31	Data Analyses with R Machine Learning with R I		
14	2018-06-01 - 2018-06-07	Machine Learning with R2 No Class		(6.6.) 현충일
15	2018-06-08 - 2018-06-14	Review No class		(6.8. - 6.21.) 자율학습 및 기말시험
16	2018-06-15 - 2018-06-21	Final Exam		(6.8. - 6.21.) 자율학습 및 기말시험

