(SYLLABUS)

1.   (*)

(Year)	2016	(Semester)	2
(Instructor)		(Course Title)	
(Course No.)	2150687901	(Class)	01	(Course Classification)	
(Open to)		(*) (Credit)	3	(Class hour per week)	3
(*) (ABEEK Classification)		(*) (ABEEK Requirement)		(Department)	
(Office)	522	(Telephone)		(e-mail)	
(*) (Teaching Assistant)	(02-824-3408, hlli@soongsil.ac.kr)	(*) (Office Hour)	13:00-17:00
(Course Description)	- . , , , . . R , .		
(Course Objectives)			
(Lecture Type)	(90 %) (00 %) (10 %) (00 %)		
(Course Grading)	1 (30%), 2 (30%), (30%), (10%)		
(Required Texts)	* /An Introduction to Statistical Learning with Applications in R/Gareth James 3 /Springer/2013/		
(*) (Bulletin Board)			
(*) (Prerequisite Courses)			

2.

(Week)	(Keyword)	(Description)	(Texts)	(Note)
1	,	- ( ) - ( )	1 , 2.1	9. 1
2	-	- ( ) - ( )	2.2	9. 8
3		- ( )	3.1	9. 15 ( )
4		- ( ) - ( )	3.2	9. 22
5		- ( ) - ( )	3.3	9. 29

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(Week)	(Keyword)	(Description)	(Texts)	(Note)
6		- ( )	4.1-3	10. 6 (1)
7		- ( ) - Linear Discriminant Analysis ( )	4.4-5	10. 13
8		- Linear Discriminant Analysis ( ) - Resampling ( )	5.1-2	10. 20
9	Lasso	- Resampling ( ) - Shrinkage ( )	6.1-2	10. 27
10		- Shrinkage ( ) - ( )	6.3-4	11. 3
11		- ( )	8.1	11. 10 (2)
12	Bagging Random Forests Boosting	- ( ) - ( )	8.2	11. 17
13	Principal Components	- ( ) - Principal Components Analysis ( )	10.1-2	11. 24
14	K- Means	- Principal Components Analysis ( ) - K- Means ( )	10.3.1	12. 1
15		- K- Means ( ) - ( )	10.3.2-3	12. 8
16		-		12. 15 ( )

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3.   (*)

1	' ' ( ) '				
2					
3					