豊田	 ]工業高等	 専門学校	開講年度 令和03年度 (2		授業科	目知			
科目基礎									
科目番号	-11-110	93026		科目区分	専門	/ 選択			
授業形態		講義		単位の種別と単					
		1111111	工学専攻M	対象学年	専2				
開設期後期				週時間数	2				
			TA] by Viktor Mayer-Scho:nberger & Kenneth Cul						
担当教員		西澤一	- , , , ,		,				
到達目標	<u> </u>	'							
(イ) Stud (ウ) Stud (エ) Stud (オ) Stud	lents can d lents recog lents can d lents can e	escribe thre nize the ris istinguish c	concept of big data se characteristic features of big dat ks of data-driven decision makings orrelational analysis from causation v effective examples of big data	a nal analysis					
ルーブリ	<u> </u>								
			理想的な到達レベルの目安	標準的な到達レ			未到達レベルの目安		
評価項目(ア)			Students can explain the concept of big data.	Students unde concept of big	ig data.		Students don't understand the concept of big data.		
評価項目(イ)			Students can describe three characteristic features of big data.	Students unde characteristic f data.	understand three ristic features of big		Students don't understand three characteristic features of big data.		
評価項目(ウ)			Students can explain the risks of data-driven decision makings.	Students recog data-driven de	ecognize the risks of n decision makings.		Students don't recognize the risks of data-driven decision makings.		
学科の発	到達目標項	目との関							
学習・教育 JABEE d 本校教育	育到達度目標 当該分野に 目標 ① もの	票 C2-4 「情	報と計測・制御」に関する専門知識の される専門的知識とそれらを応用する	)修得 3能力					
教育方法	去等								
technolog									
	め方・方法		dy & preparation) The students are required to read the assigned pages of the text before every write short summaries and present them to the class.  lents are expected to have receptive English skills of TOEIC 500 or higher, because all the lectures,						
注意点		discussion	ons, assignments, and tests are to	be done in Englis	sh.		,		
選択必修	多の種別・	旧カリ科	目名						
授業の属	属性・履修	を 上の区分							
□ アクテ	-ィブラーニ	ング	□ ICT 利用	□ 遠隔授業対応	5		☑ 実務経験のある教員による授業		
授業計画	 bi								
INDIE	1	週	授業内容		週ごとの到達	主目標			
後期		1週	Two examples of showing social el data (self-study & preparation) write su shifts of information analysis cause	ımmarv of three	and the second of the second o				
	3rdQ	2週	The outline of three shifts of inforr caused by big data (self-study & preparation) write suprocessing ALL data	nation analysis	understand the three shifts of information analysis				
		3週	Processing ALL data instead of sor (self-study & preparation) write su handling messy data	lata instead of some samples eparation) write summary of		understand the difference of using ALL data instead of sampled data			
		4週	ndling messy data elf-study & preparation) write summary of usality vs. correlation (part 1)		grasp the meaning of "messy" data				
		5週	Leaving causality to satisfying with (self-study & preparation) write sucausality vs. correlation (part 2)	preparation) write summary of		distinguish correlation from causality			
		6週	Leaving causality to satisfying with (self-study & preparation) write suturning data into valuable informa	n correlations Immary of tion	distinguish correlation from causality				
		7週	Datafication: turning data into valuinformation (self-study & preparation) write su Datafication		grasp the meaning of "Datafication"				
		8週	Datafication: turning data into valuinformation (self-study & preparation) write surivalrous option value of data (par	mmary of non- grasp the meaning of "Dataficatio			ng of "Datafication"		

	4thQ	9週	Value: non-rivalrous option value o (self-study & preparation) write sur rivalrous option value of data (part	n value of data write summary of non- ata (part 2)						
		10週	Value: non-rivalrous option value o	f data	understand the option value of data					
		11週	Implications: data, skills, and ideas chain (self-study & preparation) write sur chain (part 2)		know the value chain of data analysis					
		12週	Implications: data, skills, and ideas for the value chain (self-study & preparation) write summary of risks related to big data (self-study & preparation) write summary of risks related to big data			nain of data analysis				
		13/5	Risks: privacy, punishment based on the probability, dictatorship of data (self-study & preparation) write summary of controlling data		understand the risk of big data					
		14週	Control: from privacy to accountability, the algorithmist (self-study & preparation) write summary of next issues of big data		know some ideas of controlling data analysis					
		15週	Next: when data speaks, the bigger data		know the possible future of data analysis					
		16週								
モデルコ	アカリキ	ユラムの	学習内容と到達目標							
分類 分野 学習内容 学習内容の到達目標 到達レベル 授業週										
評価割合										
定期試験課題				課題		合計				
総合評価割合			40	60		100				
専門的能力			40	60		100				