	日工業高等	専門学校	開講年度		2017年度)	授業科目	知識工学		
科目基础					•		·		
科目番号		93026			科目区分	専門 /	専門 / 選択		
授業形態		講義	講義		単位の種別と単位	立数 学修単	学修単位: 2		
開設学科		電子機械工学専攻E			対象学年	専2			
開設期		後期			週時間数	2			
			ATA] by Viktor May	A」by Viktor Mayer-Scho:nberger & Kenneth Cukier (John Murray) ISBN978-1848547926					26
担当教員		西澤一							
到達目	標								
(イ)Stud (ウ)Stud (エ)Stud	lents can de lents recogr lents can di	escribe thre nize the risl stinauish c	concept of big data se characteristic fea ks of data-driven de orrelational analysis v effective examples	ecision makings s from causation					
レーブ!	リック								
			最低限の到達レベ	いの目安(可)					
評価項目(ア)			Students can ex concept of big d	ata					
評価項目(イ)			Students can de characteristic fe data	scribe three atures of big					
評価項目(ウ)			Students recogn data-driven deci	nize the risks of ision makings					
	到達目標項	目との関	係						
教育方法	法等								
概要 from dail and not y dataflow			neers working in the ily dataflow from the well-defined conce w. It is different from ing power on recent intends to summari	ne society, and me pt but a naming n well-establishe t computers, and	nay be used in im of a series of pro ed processing me I has large benef	nportant decis ocessing ideas othods in the l ots along with	ion makings. Big and methods ha ast century, depe serious risks to	data is a andling si	recent uch huge
受業の進	め方・方法								
注意点		discussi	dents are expected ons, asignments, ar d pages of the text	nd tests are to be	e done in Enalish	<ul> <li>The student</li> </ul>	s are also require	ed to rea	d the
選択必任	修の種別・	旧カリ科	l目名						
授業計画	画								
		週	授業内容			週ごとの到達目	]標		
		1週	Two examples of showing social effect from big						
		2週	data (p 1-12)  The outline of three shifts of information analysis caused by big data (p12-18)						
		3週	Processing ALL data instead of some samples (p19-31)						
	3rdQ	4週	Handling messy data (p32-49)						
後期		5週	Leaving causality to satisfying with correlations (p50-72)						
		6週	Leaving causality to satisfying with correlations (p50-72)						
		7週	Datafication: turning data into valuable information (p73-97)						
		8週	Datafication: turning data into valuable information (p73-97)						
		9週	Value: non-rivalrous option value of data (p98-122)						
		10週	Value: non-rivalrous option value of data (p98-122)						
		11週	Implications: data, skills, and ideas for the value chain (p123-149) Implications: data, skills, and ideas for the value						
		1 4 73 11+1	chain (p123-149)  Risks: privacy, punishment based on the						
	4thQ	12週	Risks : privacy, pui	nishment based	on the				
	4thQ	13週	Risks : privacy, pur probability, dictato	nishment based ership of data (p1	.50-170)				
	4thQ	13週	Risks: privacy, pur probability, dictato Control: from priva algorithmist	nishment based rship of data (p1 acy to accountab (p171-184)	.50-170) ility, the				
	4thQ	13週 14週 15週	Risks : privacy, pur probability, dictato Control: from priva	nishment based rship of data (p1 acy to accountab (p171-184)	.50-170) ility, the				
モデル		13週 14週 15週 16週	Risks: privacy, pui probability, dictato Control: from priva algorithmist Next: when data s (p185-197)	nishment based orship of data (p1 acy to accountab (p171-184) peaks, the bigge	.50-170) ility, the				
モデル <u>.</u> 分類		13週 14週 15週 16週	Risks: privacy, pui probability, dictato Control: from priva algorithmist Next: when data s (p185-197) 学習内容と到達	nishment based orship of data (p1 acy to accountab (p171-184) peaks, the bigge	.50-170) ility, the r data		到记	幸レベル	授業週

	定期試験	課題	合計
総合評価割合	40	60	100
専門的能力	40	60	100