

基本情報

時間割コード / Course Code	
開講区分(開講学期) / Semester	Fall and Winter Term
曜日・時間 / Day and Period	Tue4
開講科目名 / Course Name (Japanese)	日本社会とビッグデータ
開講科目名(英) / Course Name	Japan; Society and Big Data
教室 / Room	
定員 / Capacity	
ナンバリング / Course Numbering Code	
必修・選択 / Required / Optional	
授業形態 / Type of Class	演習科目
単位数 / Credits	2
年次 / Student Year	
分野 / Field	
担当教員 / Instructor	Ioku Tomohiro
メディア授業科目 / Course of Media Class	

※メディア授業科目について

授業回数の半数以上を、多様なメディアを高度に利用して教室等以外の場所で行う授業を「メディア授業科目」としています。

学部学生が「メディア授業科目」を卒業要件に算入できるのは60単位が上限です。

なお、非該当の場合であっても、メディアを利用した授業を実施する場合があります。

詳細情報

授業サブタイトル / Course Subtitle	
開講言語 / Language of the Course	English
学習方法 / Learning Method	聴講・視聴,発表
授業の目的と概要 / Course Objective	This course is designed to equip students with knowledge and understanding of how big data analysis can be applied to deciphering various societies, with a particular focus on Japan. It explores the potential of big data in advancing the field of social sciences, especially in the realm of psychology. Through theoretical discussions and practical examples, students will gain insights into the ways big data can contribute to the understanding and development of social science research.
履修条件・受講条件 / Requirement / Prerequisite	
出欠席及び受講に関するルール / Attendance and Student Conduct Policy	
教科書・指定教材 / Textbooks	Woo, S. E., Tay, L., & Proctor, R. W. (Eds.). (2020). Big data in psychological research. American Psychological Association.
参考図書・参考教材 / Reference	
成績評価に関する補足情報 / Additional Information on Grading	Attendance and Participation 30% Reflection Sheets 20%(4 sheets × 5%)
合理的配慮 / Reasonable Accommodation	
特記事項 / Special Note	
オフィスアワー / Office Hour	
実務経験のある教員による授業科目 / Course conducted by instructors with practical experience	

成績評価詳細情報

学習目標(1) / Learning Goal(1)	Describe the conceptualization and discourse of big data within the field of psychology and other relevant disciplines.
学習目標(2) / Learning Goal(2)	Provide specific examples of how big data can be employed in data collection and analysis methodologies.
学習目標(3) / Learning Goal(3)	Explain the significant findings and insights revealed through the utilization of big data.
学習目標(4) / Learning Goal(4)	Identify and discuss issues pertaining to big data, such as privacy, security, and reproducibility.
学習目標(5) / Learning Goal(5)	Suggest effective approaches for deciphering societies by leveraging the potential of big data.

学習目標 / Learning Goal	評価方法				
	学習への参加度	その他(振り返りシート)	発表	レポート・論文	
学習目標(1) / Learning Goal(1)	○	○	○	○	
学習目標(2) / Learning Goal(2)	○	○	○	○	
学習目標(3) / Learning Goal(3)	○	○	○	○	
学習目標(4) / Learning Goal(4)	○	○	○	○	
学習目標(5) / Learning Goal(5)	○	○	○	○	
評価割合(%) / Grade Breakdown	30%	20%	20%	30%	%

授業計画

回 / Time	題目 / Title	内容 / Content	授業時間外学習 / Independent Study Outside of Class
第1回	Introduction	Learn about the role of big data in the social sciences.	Reading assignment: Chapter 1 (2 hours)
第2回	Sources of Big Data	Learn about the sources of big data.	Reading assignment: Chapter 2 (2 hours) Preparation: Final presentation (2 hours)
第3回	Web Data and Health, Economic, and Financial Markets	Predict health, economic and financial markets from web data.	Reading assignment: Chapter 3 (2 hours)
第4回	Public Network Camera Data and Movement, Conversation, and Crime	Monitor movement, conversation and crime from public network camera data.	Reading assignment: Chapter 4 (2 hours)
第5回	Text Mining	Find features of big data through text mining.	Reading assignment: Chapter 5 (2 hours) Preparation: Final presentation (2 hours)
第6回	Big Data in Education	Use big data to visualise learning activities.	Reading assignment: Chapter 6 (2 hours)
第7回	Big Data in Social Psychology	Use textual information from the web to understand culture, emotions, etc.	Reading assignment: Chapter 7 (2 hours)

第8回	Big Data in Medicine	Share and manage electronic medical records.	Reading assignment: Chapter 8 (2 hours) Preparation: Final presentation (2 hours)
第9回	Big Data in Cognitive Science	Decipher language activities from corpus data.	Reading assignment: Chapter 9 (2 hours)
第10回	Big Data in Developmental Psychology	Use panel data to understand individual developmental processes.	Reading assignment: Chapter 10 (2 hours)
第11回	Big Data in Management	Use operational data to improve the workplace.	Reading assignment: Chapter 11 (2 hours)
第12回	Ethical Principles in Big Data	Learn about the ethical issues involved in big data.	Preparation: Final presentation (7 hours)
第13回	International comparisons of Big Data (1)	Explore big data from Japan and other countries and present what they can learn.	Preparation: Final presentation (7 hours)
第14回	International comparisons of Big Data (2)	Explore big data from Japan and other countries and present what they can learn.	Preparation: Final presentation (7 hours)
第15回	International comparisons of Big Data (3)	Explore big data from Japan and other countries and present what they can learn.	Report assignment (11 hours)
第16回			

授業担当教員

教員氏名 / Instructor Name	ふりがな / Name (hiragana)	所属・職名・講座名 / Affiliation, Title, Course	居室 / Office	内線 / Extension	e-mail / E-mail
IOKU Tomohiro	いおく ともひろ	Center for International Education and Exchange			