AY2016 Interactive Evening Lounge – Proposal/Report

Please fill out the proposal and submit **one month prior** to the IEL.
After the IEL, please fill out the report and re-submit the revised version.
The report will be posted on the "Activity report" page in the GSDM official website.
http://gsdm.u-tokyo.ac.jp/gsdm/?cat=23

Proposal

Date/Time	2016 年 7 月 22 日（金）　18 時から 20 時 2016, 22nd of July (Fri)　18pm-20pm
Place	東京大学工学部 8 号館 5 階 GSDM 学生室 GSDM students room (Univ of Tokyo, Engineering department, 8th building, 5th floor)
Title	"The Introduction of Data Analysis Cases and the Workshop for Discussing Data Utilization toward Data-driven Society" データ駆動型社会に向けたデータ活用事例の紹介とデータ利活用方法検討ワークショップ
Organizer	提案者 Teruaki Hayashi　　　Department of Systems Innovation, School of Engineering Seonwoo Kim　　　　Department of Mechanical Engineering, School of Engineering 共同提案者 Koki Muraoka　　　　Department of System Engineering, School of Engineering Yuta Yamauchi　　　Department of Statistics, School of Economics Naoki Nonaka　　　　Department of Technology Management for Innovation, School of Engineering Masaaki Imaizumi　　Department of Statistics, School of Economics Kensaku Matsunami　Department of System Engineering, School of Engineering Lee Hee Woon　　　　School of Public Policy
Summary	保有するデータや分野を横断したデータの利活用によって新事業を創出することに対する企業の期待が高まっている。そして、行政や研究機関においては、データによって生み出される様々な知見や価値を社会に活かしていけるような環境及びプラットフォームの整備、すなわちデータ駆動型社会に向けた様々な取り組みが行われるようになってきた。 　しかし、プライバシーや個人の識別性などの問題から、データに関する情報でさえ入手が困難である。また、データに関する情報だけでなく、データの分析方法や活用に関する知識は十分に浸透、あるいは入手可能な状態にあるとは言いがたい。 　そこで本 IEL では、データ駆動型社会に向けた政策立案と意思決定支援のための知識共有及びデータマネジメント手法の開発の一環として、Student Initiative Project の進捗報告とデータ利活用方法をワークショップ形式で議論する検討会（Innovators Marketplace on Data Jackets）を行う。 前半の SIP 報告では、イギリスの REF data (the social report of Research Excellence Framework of UK cases in 2014)を用いた学術研究の社会へのインパクトの可視化と評価方法について紹介する。後半では、データ駆動型社会に向けた当該技術の応用可能性に関するデータ利活用方法検討ワークショップを開催する。IEL グループ外や GSDM 外の学生を招くことで、分野を横断した社会課題の表出化とデータ利活用による解決案について議論する。本ワークショップはすでに各方面で実施されてきた実績のある手法であり、本 IEL 参加者だけでなく、GSDM において

	も興味深い結果を導けると期待できる。 　　Private sectors' expectation on creating new business by utilizing the pre-exist data and interdisciplinary data, is getting higher day by day.　In addition, both Public and Academic sectors are concentrating on the provision of platform and environment which could take advantage of the diversity of knowledge and values extracted from the data, toward data-driven society. 　　However, there are still significant obstacles to obtaining information of data itself, because of the privacy and individual recognition issues. Furthermore, not only information about data, but also related knowledge, such as the analysis methods or utilization of data, is not in available form as well. In our IEL, as a part of the development of knowledge sharing and data management for policy making and decision making toward data-driven society, we hold the progress report of Student Initiative Project (SIP) and Review Session on the data utilization methodology using the form of the workshop. First half of the SIP report will introduce the visualization of societal impact and assessment methodology over Academic researches, processed from the REF data (the social report of Research Excellence Framework of UK cases in 2014) in the UK. Later half will be a gamified workshop for discussing the social issues and possible combinations of data/tools among participants (Innovators Marketplace on Data Jackets). As inviting the students and personnel outside of the IEL group and GSDM, participant of this IEL would be expected to draw out the interdisciplinary social issue and, hopefully, discuss the possible solutions. The methodology has already proved its effectiveness with achievements in various fields. Thus, this IEL workshop will benefit not only the participants of this IEL but also the GSDM program itself.
Budget	0 円

GSDM

Report

(English only)

Number of participants	35 participants (17 GSDM students, 3 faculty members of GSDM, 15 external audiences)
Reporter	Teruaki Hayashi Department of Systems Innovation, School of Engineering Seonwoo Kim Department of Mechanical Engineering, School of Engineering
Impressions /Comments	We held our IEL on 22nd July as a part of the development of knowledge sharing and data management for policy making and decision making toward data-driven society. 35 participants joined our IEL in total (17 students from GSDM, 3 faculty members of GSDM, and 15 external audiences), which was one of the biggest IELs in GSDM. We realized the participants' strong interests about multidisciplinary data utilization and data-driven society. In the first half of this IEL, we presented the result of the on-going data-driven project, which tackles attractive data of research impacts, assessing the quality of researches in the UK higher education institutions by HEFCE (Higher Education Funding Council for England), called REF data. We reported how classical bibliometric analysis provides unfair evaluation weighting heavily on specific fields. We also suggested that research impact should be fairly evaluated in different ways such as our new framework using REF data. Although some audiences were unfamiliar with this topic, we used a variety of figures to illustrate how to evaluate research impact using data. Through this IEL, we expect that participants understood both the result of this project and the importance of data-driven society. The second half of the IEL, we conducted a gamified workshop called Innovators Marketplace on Data Jackets (IMDJ) for discussing the social issues and possible combinations of knowledge elements (data, tools, knowledge, skills, and ideas). Some participants submitted us the information about their interests as knowledge elements in advance. We summarized and visualized their information as a scenario map. We set the main theme of this workshop as "Data Utilization for Policy Making and Creation of Business toward Data-driven Society". Participants stated their requirements and created solutions using the elements visualized on the map for about 1 hour. Finally, we got 76 requirements, 49 solutions, and 20 additional information. These outputs are expected to help activate data-driven society. In the future, we are going to create analysis scenarios and conduct actual data analysis. We would like to send gratitude from our heart to Dr. Yarime for leading us to have fruitful discussion deepening our understanding. Also, we thank Prof. Nishizawa, Dr. Hanai, and Dr. Orsi for supporting our IEL.