

# **CURRICULUM VITAE**      **Mirai Igarashi**



## **PERSONAL INFORMATION**

Name: Mirai Igarashi  
 Date of Birth: February 9, 1994  
 Gender: Male  
 Citizenship: Japan  
 Position: Postdoctoral Fellow at Faculty of Business Science, University of Tsukuba  
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## **EDUCATIONAL BACKGROUND**

Tohoku University	B.A. of Economics	2016
Tohoku University	M.A. of Management	2018
Tohoku University	Ph. D. of Management	2021

## **EMPLOYMENT BACKGROUND**

2018/4 – 2021/3	The Japan Society for the Promotion of Science	Research Fellow (DC1)
2021/4 – Present	The Japan Society for the Promotion of Science	Research Fellow (PD)

## **WORKING EXPERIENCE**

2019/8 – 2020/1	Robert H. Smith School of Business (Univ. of Maryland)	Visiting Scholar
2017/4 – 2018/3	Marketing Modeling for Big Data (Tohoku Univ.)	Research Assistant
2016/12 – 2017/3	Asset Management (Tohoku Univ.)	Administrative Assistant
2016/12 – 2017/3	Tohoku Water Industry Innovation Project (Tohoku Univ.)	Administrative Assistant
2016/6 – 2016/9	Nature and Environment (Tohoku Univ.)	Teaching Assistant

## **AWARDS**

総長賞 東北大学 (2021 年)  
 優秀論文賞 財団法人経和会 (2021 年)

日本マーケティングサイエンス学会 審査員特別賞 (2018 年)  
新しい経済産業指標開発コンテスト 優秀賞 (2017 年)

## **REFEREED ARTICLES (International)**

**Mirai Igarashi**, Nobuhiko Terui (2020), “Characterization of topic-based online communities by combining network data and user generated content,” *Statistics and Computing*, 30, 1309-1324.

## **REFEREED ARTICLES (Domestic)**

五十嵐未来, 照井伸彦 (2021), “ソーシャルメディア上のテキスト情報を考慮した社会ネットワーク分析モデル—次数異質性モデルへの拡張—,” *統計数理*, 69(1).

五十嵐未来, 李銀星, 石垣司, 照井伸彦 (2018), “Twitter 上の口コミ情報を利用した売上予測モデルの構築と実証分析,” *流通情報*, 49(6).

## **WORKING PAPERS**

**Mirai Igarashi**, P.K. Kannan, and Nobuhiko Terui (2020), “Customer Review Analysis Using Word Embedding Model Considering Text Topics,” *Data Science and Service Research discussion paper*, 115.

五十嵐未来, 照井伸彦 (2020), “ソーシャルメディア上のテキスト情報を考慮した社会ネットワーク分析モデル,” *Data Science and Service Research discussion paper*, J-6.

**Mirai Igarashi**, Aijing Xing, and Nobuhiko Terui (2020), “Interpretable Perceived Topics in Online Customer Reviews for Product Satisfaction and Reader Helpfulness,” *Data Science and Service Research discussion paper*, 112.

**Mirai Igarashi** and Nobuhiko Terui (2019), “Identifying Topic-based Communities by Combining Social Network Data and User Generated Content,” *Data Science and Service Research discussion paper*, 97.

## **ORAL PRESENTATIONS (International)**

“A Dynamic Topic Model for Social Influence of User Generated Contents on Social Media,” *Webinar of Bayesian Econometrics*, Online via Zoom, November 2020.

“Beyond the Bag-of-words: Customer Review Analysis Using Word Embedding Model Considering Text Topics and Sentiments,” *42nd ISMS Marketing Science Conference*, North Carolina, June 2020.

“A Model for Social Influence on Topic of Users Contents Generating Behavior,” *International Workshop on Marketing and Data Science*, Sendai, December 2019.

“Identifying Topic-based Communities by Combining Social Network Data and User Generated Content,” *Marketing Dynamic Conference*, Maryland, June 2019.

“A model for community detection considering user-generated-contents and allowing the mixed membership,” *Tohoku-UAE Joint Workshop*, Sendai, Japan, March 2019.

“A Model for Detecting Influencers in Social Media,” *40th INFORMS Marketing Science Conference*, Philadelphia, June 2018.

“Network Analysis of Social Media and Detection of Influencer,” *International Workshop on Bayesian Econometric Analysis*, Tokyo, Japan, November 2017.

### **ORAL PRESENTATIONS (Domestic)**

“Topic Model with Dynamic Hierarchical Structure Considering Social Influence,” 第21回ノンパラメトリック統計解析とベイズ統計, オンライン開催, 2021年3月.

“トピックモデルによるソーシャルネットワーク分析,” 統計関連学会連合大会, 東京, 2018年9月.

“ソーシャルメディア上のテキスト情報を考慮したインフルエンサー検出モデル,” 日本マーケティングサイエンス学会, 大阪, 2018年6月.

“ソーシャルメディアを利用したインフルエンサー検出モデル,” ノンパラメトリック統計解析とベイズ統計, 東京, 2018年3月.

“ソーシャルメディアを用いた経済指標開発,” 高次元・高頻度データのベイズ計量経済分析, 仙台, 2017年2月.

### **POSTER PRESENTATIONS (International)**

“Characterization of Topic-based Online Communities by Combining Network Data and User Generated Content,” *6th CWRU-Tohoku Joint Workshop*, Cleveland, August 2019.

“A Model for Detecting Influencers and Understanding Their Connections,” *2nd Tohoku U-NYU Symposium on Interdisciplinary AI and Human Studies*, Sendai, Japan, November 2018.

“A Topic Model Using Text Information on Social Media for Social Network Analysis,” *5th CWRU-TOHOKU Joint Workshop*, Sendai, Japan, August 2018.

“A Model for Detecting Influencer in Social Media,” *International Kick-off Symposium of Graduate Program in Data Science*, Sendai, Japan, February 2018. → Poster Presentation Award

### **SKILLS, INTERESTS**

- ・ **Programing Language:** R, Python, C++, TeX/ LaTeX, Markdown
- ・ **Domains:** Marketing Science, Consumer Behavior, Statistical Modeling (Bayesian Modeling), Big Data Analysis, Machine Learning (Deep Learning, Topic Modeling, Support Vector Machine)