



# SHO SAKAI

Ph.D. Student / High-Dimensional Statistical Analysis

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🌐 <https://shoshohh.github.io/>

🌐 <https://www.linkedin.com/in/ssakai0403/>

## ABOUT ME

I am a Ph.D. student at the University of Tsukuba, focusing on high-dimensional statistical analysis. My research extends from theoretical methods to real-world data applications, with an emphasis on bridging academic findings and practical implementations. Beyond research, I have experience organizing study groups and seminars, as well as producing the “Data Science LG” podcast to foster a community for statistics and data science enthusiasts.

## EDUCATION

2025 - University of Tsukuba	<b>Ph.D. in Mathematics</b> Researching high-dimensional statistical analysis and decision-making processes Aoshima Laboratory
2023 - 2025 University of Tsukuba	<b>M.Sc. in Mathematics</b> Researching high-dimensional statistical analysis and decision-making processes Aoshima Laboratory
2019 - 2023 Kagoshima University	<b>B.Sc. in Mathematics and Informatics</b> Learning Mathematics and Informatics Yoshida Laboratory (2022 – 2023)

## EXPERIENCE

2023 - 2024 University of Tsukuba	<b>Research Assistant</b> <ul style="list-style-type: none"><li>• Conducted high-dimensional data analyses using R/Python</li><li>• Managed GitHub repositories for collaborative code development</li></ul>
2023 - 2025 University of Tsukuba	<b>Teaching Assistant</b> <ul style="list-style-type: none"><li>• Assisted courses in Statistical Exercises, Computer Exercises, Computer Mathematics, and Linear Algebra</li></ul>
2024 – Nospare Inc.	<b>Intern</b> <ul style="list-style-type: none"><li>• Planned and hosted seminars on statistics and data science</li><li>• Collaborated with cross-functional teams to create educational content</li></ul>
2024 – Nospare Student Community	<b>Community &amp; Podcast Organizer</b> <ul style="list-style-type: none"><li>• Organized student study groups and data science meetups</li><li>• Produced the “Data Science LG” podcast for knowledge-sharing in statistics, ML, and career development</li></ul>

## SKILLS

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- Programming: R, Python, C
- Data Analysis: Statistical modeling, Machine learning
- Tools: GitHub, VS Code, Jupyter, LaTeX
- Languages: Japanese (native), English (TOEIC 735)

## REFERENCES

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**Aoshima Lab, University of Tsukuba**

HP: <https://www.math.tsukuba.ac.jp/~aoshima-lab/index.html>