

André Seiji Sunahara

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Rio de Janeiro, Brazil

Experience

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|----------------|--|
| 2023 – present | Petróleo Brasileiro S.A. – Rio de Janeiro, Brazil
Data scientist |
| 2018 – 2023 | State University of Maringá – Maringá, Brazil
Graduate student |

Education

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|-------------|--|
| 2020 – 2023 | State University of Maringá – Maringá, Brazil
Ph.D. in Physics
Mentor: Haroldo V. Ribeiro |
| 2018 – 2020 | State University of Maringá – Maringá, Brazil
M.Sc. in Physics
Mentor: Haroldo V. Ribeiro |
| 2015 – 2018 | State University of Maringá – Maringá, Brazil
B.Sc. in Physics
Mentor: Breno Ferraz de Oliveira |
| 2014 – 2015 | Nagoya University – Nagoya, Japan
Exchange student in Physics
Mentor: Ichiro Terasaki |

Research interests

complex systems, science of science, epidemiology, data visualization

Publications

- 2023 **Universal productivity patterns in research careers**
Andre S. Sunahara, Matjaž Perc, Haroldo V. Ribeiro.
[Physical Review Research 5, 043203.](#)
- 2023 **Complexity of the COVID-19 pandemic in Maringá**
Andre S. Sunahara, Arthur A. B. Pessa, Matjaž Perc, Haroldo V. Ribeiro.
[Scientific Reports 13, 12695 \(2023\).](#)
- 2021 **Association between productivity and journal impact across disciplines and career age**
Andre S. Sunahara, Matjaž Perc, Haroldo V. Ribeiro.
[Physical Review Research 3, 033158.](#)
- 2020 **City size and the spreading of COVID-19 in Brazil**
Haroldo V. Ribeiro, Andre S. Sunahara, Jack Sutton, Matjaž Perc, Quentin S. Hanley.
[PLOS ONE 15, e0239699.](#)

Technical skills

Programming languages

Python

Software and packages

L^AT_EX, git, d3.js, matplotlib, hugo

Languages

TOEFL ITP - 2021/02 - Score: 647/677 (C1)

Nouryouku Shiken (N5) - 2013/01

Kanji Kentei (10) - 2013/07