

TAKAHASHI Takashi(高橋 昂)

Assistant professor
The University of Tokyo
[Institute for Physics of Intelligence](#)

PERSONAL DETAILS

Birth February 16, 1990
Address Tokyo 152-8552, Japan
Mail takashi-takahashi@g.ecc.u-tokyo.ac.jp
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EDUCATION

Ph.D. 2017-2020
Dept. of Mathematical and Computing Science, Tokyo Institute of Technology
Advisor: [Yoshiyuki KABASHIMA](#) (榊島 祥介)

M.A. Degree 2013-2015
Graduate School of Arts and Sciences, University of Tokyo
Advisor: [Koji HUKUSHIMA](#) (福島 孝治)

B.A. Degree 2008-2013
Department of Basic Science, University of Tokyo

WORK EXPERIENCES

Postdoc Researcher 2020-
Institute for Physics of Intelligence, The University of Tokyo, Full-time

Postdoc Researcher 2020-
Institute for Physics of Intelligence, The University of Tokyo, Full-time

Research Intern 2018-2019
Toyota InfoTechnology Center Co., Ltd., Part-time

Technology Consultant, Software Engineer 2015-2017
Kozo Keikaku Engineering Inc., Full-time

AWARDS

Japan Society for the Program of Science Research Fellowships for Young Scientists (DC2) 2019-2021

¥200,000/month + research grant(Grant-in-Aid for JSPS Fellows) ¥1.7million

Outstanding Graduate Student Award

2015

PUBLICATIONS

4. **T.Takahashi** and Y. Kabashima,
"Semi-analytic approximate stability selection for correlated data in generalized linear models",
J. Stat. Mech. (2020) 093402.
3. **T.Takahashi** and Y. Kabashima,
"Macroscopic Analysis of Vector Approximate Message Passing in a Model Mismatch Setting",
2020 IEEE International Symposium on Information Theory (ISIT) (pp.1403-1408).
2. **T.Takahashi** and Y. Kabashima,
"A statistical mechanics approach to de-biasing and uncertainty estimation in LASSO for random measurements",
J. Stat. Mech. (2018) 073405.
1. **T.Takahashi** and K.Hukushima,
"Evidence of a one-step replica symmetry breaking in a three-dimensional Potts glass model",
Physical Review E **91**, 020102(R) (2015).

SKILLS

Coding Julia, C, C++, Python, R, L^AT_EX