

Han Bao

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Profile

Han Bao is a graduate student at the University of Tokyo, pursuing master course in computer science. My research interests are weak-supervised learning (statistical learning from weaker and noisy inputs, e.g., semi-supervised learning), statistical learning theory, and large-scale machine learning.

Education

2017- **The University of Tokyo**, M.Sc. in Computer Science
Supervisor: Masashi Sugiyama
Research Field: Machine Learning

2013-2017 **The University of Tokyo**, B.Sc. in Information Science
Supervisor: Masashi Sugiyama
Research Field: Machine Learning

Publication

3. **Bao, H.**, Niu, G., and Sugiyama, M. Classification from Pairwise Similarity and Unlabeled Data. In *Proceedings of International Conference on Machine Learning (ICML2018)*, PMLR 80:461–470, 2018.
2. **Bao, H.**, Sakai, T., Sato, I., and Sugiyama, M. Convex Formulation of Multiple Instance Learning from Positive and Unlabeled Bags. *Neural Networks* 105:132–141, 2018.
1. **Bao, H.**, Usui, T., and Matsuura, K. Improving Optimization Level Estimation of Malware by Feature Selection (in Japanese). In *Proceedings of the 32nd Symposium on Cryptography and Information Security*, 2015.

Employment

Apr 2017 - Present RIKEN AIP
Research Assistant
Research on learning paradigm under limited information. Belong to Imperfect Learning Team led by Masashi Sugiyama.

Apr 2017 - Present Preferred Networks
Engineer / Researcher
Make Chainer (deep learning framework) faster and more scalable on the distributed environment, especially working on model-parallel deep learning.
Skills: C++, MPI, Python, Chainer
Project Page: <https://github.com/chainer/chainermn>

Aug 2016 - Preferred Networks

Sep 2016 *Internship*

Research on automatic generation of motions for 3D-avatars.

Skills: Python, Chainer, OpenGL, GLSL

Awards & Funding

2017-2018 AIP Challenge Program: 1st place among 40 researchers

A research funding for excellent young researchers sponsored by JST.

10K USD for half a year.