Jiaqi Bao

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MATLAB & Python

Laboratory of Pattern Recognition and Machine Learning (PRML)

Graduate School of Information Science and Technology， Hokkaido University

Research Interests

- Semi-Supervised Learning, Robustness, Transfer Learning, Multi-Label Learning, Partial Multi-Label Learning.

Education

- **Hokkaido University** — Hokkaido, Japan
  Ph.D. in Information Science and Technology (Supervisor: Prof. Mineichi Kudo) — *Apr. 2021 – Present*
  - (Thesis title) On Robustness of Linear Generalized Regression Algorithms for Classification.
- **Shenzhen University** — Shenzhen, China
  M.Sc. in Software Engineering (Supervisor: Prof. Zhihui Lai) — *Sept. 2017 – Jun. 2020*
  - (Thesis title) Image Feature Extraction based on Robust Subspace Learning.

Submitted Manuscripts

- Bao, J., Kudo, M., et al. Robust Embedding Regression for Semi-Supervised Learning, *Pattern Recognition*. (Accepted)
- Bao, J., Kudo, M., et al. Redirected Transfer Learning for Robust Multi-Layer Subspace Learning, *Pattern Analysis and Application*. (Major Revision)

Publications & Patent

- **Journals**
  - Bao, J., Lai, Z. & Li, X. Relaxed local preserving regression for image feature extraction. *Multimed Tools Appl.* 80, 3729–3748 (2021).
  - Lai, Z., Bao, J., Kong, H. et al. Discriminative low-rank projection for robust subspace learning. *Int. J. Mach. Learn. & Cyber.* 11, 2247–2260 (2020). (Lai, Z. and Bao, J. contributed equally to this work)
- **Conferences**
  - Bao, J., Lu, J., Lai, Z., Liu, N., Lu, Y. (2019). Robust Embedding Regression for Face Recognition. In: *Pattern Recognition and Computer Vision.* PRCV 2019.
  - Kimura, K., Bao, J., Kudo, M., Sun, L. (2022). Retargeted Regression Methods for Multi-label Learning. In: *Structural, Syntactic, and Statistical Pattern Recognition*. S+SSPR 2022.
- **Chinese Patent**
  - 用于图像特征提取的松弛局部保持性回归方法. Patent No. 201910513242, 2019.

Professional Services

- Reviewer: ICPR 2022

Personal Award

- **Hokkaido University Ambitious Doctoral Fellowship** — *Apr. 2021 – Present*
- **Chinese Government Scholarship (CSC)** — *Apr. 2021*
- **Best Poster Award of The Artificial intelligence on fashion and textile Conference** — *Jul. 2018, Hong Kong*
- **Shenzhen University Academic Scholarship, First Prize** — *2017&2018&2019*