Yang Zhou

Contact Information

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Education

Ph. D. in Computer Science, *Hong Kong Baptist University (HKBU)*   **Apr. 2015 - Jan. 2019**

  - **Thesis**: Studies on Probabilistic Tensor Subspace Learning

M. Eng. in Computer Technology, *East China Normal University (ECNU)*   **Sep. 2012 - Mar. 2015**

  - **Dissertation**: Discriminant Analysis Based on Tangent Space Intrinsic Manifold Regularization

B. S. in Computer Science and Technology, *Tianjin University of Technology*   **Sep. 2008 - Jun. 2012**

Research Interests

- Probabilistic Tensor Subspace Learning, HKBU   **Apr. 2015 - Present**
- Manifold Learning, Dimensionality Reduction, ECNU   **Sep. 2012 - Mar. 2015**

Publications

Journal Papers

[J1] **Yang Zhou** and Yiu-ming Cheung, Bayesian Low-Tubal-Rank Tensor Factorization with Multi-Rank Determination, *IEEE Transactions on Pattern Analysis and Machine Intelligence*, DOI: 10.1109/TPAMI.2019.2923240, 2019.

[J2] **Yang Zhou**, Haiping Lu, and Yiu-ming Cheung, Probabilistic Rank-One Tensor Analysis with Concurrent Regularizations, *IEEE Transactions on Cybernetics*, DOI: 10.1109/TCYB.2019.2914316, 2019.

[J3] **Yang Zhou** and Yiu-ming Cheung, Probabilistic Rank-One Discriminant Analysis via Collective and Individual Variation Modeling, *IEEE Transactions on Cybernetics*, DOI:10.1109/TCYB.2018.2870440, 2018.

[J4] **Yang Zhou** and Shiliang Sun. Manifold Partition Discriminant Analysis, *IEEE Transaction on Cybernetics*, 47(4), pp. 830-840, DOI: 10.1109/TCYB.2016.2529299, 2016.

[J5] **Yang Zhou** and Shiliang Sun. Semi-supervised Tangent Space Discriminant Analysis. *Mathematical Problems in Engineering Special Issue on Machine Learning with Applications to Autonomous Systems*, DOI: 10.1155/2015/706180, 2015.

[J6] **Yang Zhou** and Shiliang Sun. Local Tangent Space Discriminant Analysis, *Neural Processing Letters*, 43(3), pp. 727-744, DOI: 10.1007/s11063-015-9443-4, 2015.

Conference Papers

[C1] **Yang Zhou**, Haiping Lu, and Yiu-ming Cheung. Bilinear Probabilistic Canonical Correlation Analysis via Hybrid Concatenations. *in Proceedings of the 31st AAAI Conference on Artificial Intelligence*, pp. 2949-2955, 2017.

[C2] **Yang Zhou** and Haiping Lu. Probabilistic Rank-One Matrix Analysis with Concurrent Regularization. *in Proceedings of the 25th International Joint Conference on Artificial Intelligence*, pp. 2428-2434, 2016.

Honors & Awards

Research Performance Award, *HKBU* **2017**

Excellent Teaching Assistant Award, *HKBU* **2015, 2016, 2017**

Computer Science Department Entrance Scholarship, *HKBU* **2015**

Three-year Full Ph. D. Studentship, *HKBU* **2015**

Outstanding Postgraduate Student, *ECNU* **2015**

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