Han Zhu

- University: Tsinghua Univ.
- Address: 11-419 East Main Building, Tsinghua Univ., Bei Jing, 100084
- Mobile: +86 15201519155
- Email: zhuhan10@gmail.com

Education

- 2010.8-2014.7 Bachelor student at School of Software, Tsinghua Univ.
- 2014.8-2017.7 Master student at Institute of Information System and Engineering, School of Software, Tsinghua Univ.

Projects

Intern at Alibaba Inc.

I worked in Alimama, the advertising department. In the period, I took part in the OCPC project, which is the core project of the department. I implemented an algorithm called Constraint OCPC, which improved the volumn and advertising revenue of Alibaba at the same time. And the algorithm has been widely used in production environment.

Wanda box office prediction

In this project, our mission is to predict the box office of a movie in the first week of its release. We have all historical movie informations and their booking data in Wanda. I contributed to data cleaning, feature selection and algorithm design in this project. The final prediction result in APE (Absolute Percentage Errors) is 12% in testing data. The results are very instructive when arranging the film row piece volume.

Ocean plankton recognition

It's a National Data Science Bowl competition in Kaggle. In this competition, Participants are given 30,000+ images of 121 different kinds of planktons. The task is to train a classification model. I designed several deep nueron networks and the best one in which achieves an classification accuracy of 88%.

Research

Research Area

Deep Learning, Computer Vision, Transfer Learning, Data Quality

Publications

- Deep Hashing Network for Efficient Similarity Retrieval. **Han Zhu**, Mingsheng Long, Jianmin Wang and Yue Cao (AAAI 16)
- Unsupervised Domain Adaptation with Residual Transfer Networks. Mingsheng Long, **Han Zhu**, Jianmin Wang, Michael Jordan (NIPS 16)
- Constraint-Variance Tolerant Data Repairing. Shaoxu Song, **Han Zhu**, Jianmin Wang (SIGMOD 16)
- Deep Quantization Network for Efficient Image Retrieval. Yue Cao, Mingsheng Long, Jianmin Wang, **Han Zhu**, Qingfu Wen (AAAI 16)
- Probabilistic Correlation-based Similarity measure on text records. Shaoxu Song, **Han Zhu**, Lei Chen (Information Science 289, 8-24)

Skills

- Data analysis, deep learning, computer vision, transfer learning
- C/C++, Java, Python, JS, Matlab