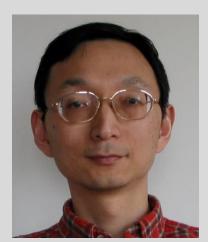


ELECTRICAL & COMPUTER ENGINEERING TEXAS A&M UNIVERSITY

Date: Friday, March 2nd Time: 2:00 – 3:00 PM Location: WEB 236C

Explaining and Improving Machine Learning Using Visualization

Visualization and machine learning are both essential tools for data mining. We argue that there is actually a close connection between the two. We start by giving a quick review of the state of the art for large graph visualization. We then look at how to use visualization technique, including graph and map visualization, to help explain machine learning techniques such as recommender systems and gender/ethnicity classifiers. Finally we look at how to use a successful technique from visualization to improve deepwalk, a machine learning algorithm.



Dr.Yifan Hu, Yahoo Research

Dr. Yifan Hu is a Senior Director of Research at Yahoo Research. Prior to joining Yahoo, he worked at AT&T Labs, Wolfram Research, and at Daresbury Laboratory. He received his B.S. and M.S. in applied mathematics from Shanghai Jiao-Tong University, and Ph.D. in optimization from Loughborough University. His research interests include data mining, applied machine learning and visualization. He is a co-author of a number of best papers, including the 2017 ICDM 10-year highest impact award paper about recommender systems.