A. MIR

CONTACT DETAIL

E-mail: mir-am@hotmail.com
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Linkedin profile: linkedin.com/in/mir93
Website: www.mirblog.me
GitHub profile: github.com/mir-am

EDUCATION

Islamic Azad University Feb. 2016 - Present
M.Sc in Computer Science
Minor in Artificial Intelligence & Machine Learning

Thesis subject: Robust Twin Support Vector Machine for Noisy Data
Overall GPA: 3.41 out of 4
Courses: Introduction to Artificial Intelligence, Machine Learning, Statistical Pattern Recognition, Evolutionary Computation, Image Processing, Computer Vision, Natural Language Processing, Game Theory, Research Methodology

WORK EXPERIENCE

Iranian Research Institute for Information Science and Technology July 2017 - Present
Research Asistant at Machine Learning and Text Mining Lab *Tehran, Iran*

Achievements and Contributions

- Designed and implemented machine learning algorithms in C++ and Python.
- Published a refereed machine learning research paper in the Journal of Applied Intelligence.
- Developed LightTwinSVM program for the research and classification tasks.

PUBLICATION

Journals

- A. Mir and Jalal A. Nasiri. Knn-based least squares twin support vector machine for pattern classification. *Applied Intelligence*, 48(12):4551–4564, Dec 2018
- Jalal A. Nasiri, A. Mir, and Somayeh Fatahi. Classification of learning styles using behavioral features and twin support vector machine. *Journal of Technology of Education*, November 2018 [**in Persian**]

Conferences

- A. and Mir. Automatic opinion mining of movie reviews using robust twin support vector machine. In *4th Iranian Conference on Computational Linguistics*. Institute for Humanities and Cultural Studies, February 2018 [**in Persian**]
- A. Mir, Somayeh Fatahi, and Jalal A. Nasiri. Prediction of personality models in e-learning environments using twin support vector machine. In *2nd International Conference on Knowledge-Based Research in Computer Engineering and Information Technology*. Allameh Tabataba'i University, September 2017 [**in Persian**]
- A. Mir, Jalal A. Nasiri, and Somayeh Fatahi. Sentiment analysis of movie reviews using least squares twin support vector machine. In *1st Conference on Participles of Electrical and Computer Engineering*. Payame Noor University, July 2017] [**in Persian**]

SOFTWARE PROJECTS

LightTwinSVM https://github.com/mir-am/LightTwinSVM
Simple and fast implementation of standard TwinSVM classifer

- A simple console program for running TwinSVM classifier
- The clipDCD algorithm was improved and implemented in C++ for solving optimization problems of TwinSVM.
- Linear, RBF kernel and Rectangular are supported.
- Binary and Multi-class classification (One-vs-All & One-vs-One) are supported.
- It supports grid search over C and gamma parameters.
- Detailed classification result will be saved in a spreadsheet file.

TECHNICAL SKILLS

Programming Languages	Python, C, Modern C++,
Operating Systems	Linux (Ubuntu), Windows
Databases	MySQL, Microsoft SQL
Source Control	Git, GitHub
Typesetting	LaTeX

RESEARCH INTERESTS

- Machine Learning
- Pattern Classification
- Natural Language Processing

LANGUAGES

- English
- Persian