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Date of Birth: July 27, 1989
Marital Status: Single

Education

M.Sc., Computer Engineering, 2013-2016.
Field: Artificial Intelligence
Isfahan University of Technology

B.Sc., Computer Engineering, 2007-2012.
Field: Software
Shahid Bahonar University of Kerman

Dissertation

M.Sc. Opinion Mining: Toward joint Sentiment and Topic Modeling from Big Time Oriented Data

In this thesis, we proposed a supervised topic model called Supervised Sentiment and Aspect Model (SSAM), for classifying reviews in different sentiment classes by reformulating the generative process of LDA and adapt it to incorporate sentiment into our proposed model so that the resulting model represent the probability distributions over words for various pairs of sentiment and aspect. SSAM is capable to consider different types of supervision such as review's sentiment label and term's sentiment label where these all supervised information are calculated in preprocessing phase of the model. SSAM is distinguished from other related sentiment and topic models in its capability of considering review's timestamp into the model and accommodating with big unlabeled corpus of reviews by implementing SSAM on the big data processing framework, Spark.

B.Sc. ACM Online Judge: Design and Implementation of ACM online judge system

This system can compile and execute code, and test them with pre-constructed data in programming contests such as ACM. This system will then return the result and have rank lists showing users with the biggest number of accepted solutions and shortest execution time for a particular problem.

Research Interest Data Mining, Text Mining, Image Processing, Big Data, Deep Learning

Teaching Department of Electrical and Computer Engineering, Isfahan University of Technology

T.A., Data Mining (M.Sc. Course), Spring 2014
T.A., Semantic Web (M.Sc. Course), Fall 2015
T.A., Text Mining (M.Sc. Course), Fall 2016

Languages Persian (Native), English (Advanced), German (Intermediate)

and Skills Programming (C, C++, Python, Scala, Matlab, R), Probabilistic Graphical Models, Deep Learning, Data Mining, Data Analysis and Text Mining (Classification, Clustering, Topic Modeling), Big Data frameworks (Spark, Hadoop), Networking (Cisco, Mikrotik), Web Programming (Php, Html, Css, JQuery), Design (Photoshop, AutoCAD), Latex, Evolutionary Algorithms, Image Processing (Algorithms and Programming), OS (Linux (Centos ,Ubuntu), Mac, Windows), Linux and Windows Server Administration

References Dr Mohamad (Mo) Saraee
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Selected Courses Data Mining (Graduate): 18.9/20
Fuzzy Methods and Systems (Graduate) : 18.3/20
Digital Image Processing (Graduate): 15/20
Text Mining (Graduate): 18.5/20
Probabilistic Graphical Models (Graduate): 19.5/20
Discrete Mathematics (Undergraduate): 17/20
B.sc. Project (Undergraduate): 20/20

Publications Zahedi E., Saraee M., "SSAM: Towards Supervised Sentiment and Aspect Modeling on different levels of labeling", journal of Soft Computing, 2017.

Zahedi E., Baniasadi Z., Saraee M., "A distributed Joint Sentiment and Topic modeling using Spark for Big Opinion Mining", 25th Iranian conference on Electrical Engineering, 2017.