

Name: Loai Abdallah

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CURRICULUM VITAE

1. Personal Details

Permanent Home Address:

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2. Higher Education

A. Undergraduate and Graduate Studies

Period of Study	Name of Institution and Department	Degree	Year of Approval of Degree
2006-2003	Haifa University, Information Systems	B.A	2006
2006-2003	Haifa University, Mathematics	B.A	2006
2009-2006	Haifa University, Mathematics	M.A	2009
2009-2014	Haifa University, Mathematics	Ph.D	2014

B. Post-Doctoral Studies

Period of Study	Name of Institution, Department and Host	Degree	Year of Completion
201-20147	University of Haifa , Information Systems, Under Prof. Ilan Shimshoni	Post Doctorate	2017

3. Academic Ranks and Tenure in Institutes of Higher Education

Dates	Name of Institution and Department	Rank/Position
2009-2013	University of Haifa, Department of Statistics	Instructor, תלמיד מחקר המועסק בהוראה
2011- 2017	Kinneret College on the Sea of Galilee, Department of Information Systems	Lecturer, מורה מן החוץ
2012-2015	Sakhnin College for Teacher Education, Department of Mathematics and Computer Science	מורה
2015-	Sakhnin College for Teacher Education, Department of Mathematics and Computer Science	מורה בכיר
2014-2016	Zefat Academic College, Department of Community Information Systems	Lecturer
2016-	The Max Stern Yezreel Valley Academic College, Department of Information Systems	Lecturer

4. Offices in Academic Administration

2017 – IT committee member- Yezreel Valley Academic College

2017 – YUP Accelerator co-founder - Yezreel Valley Academic College

5. Scholarly Positions and Activities outside the Institution

Committee member and editorial board:

The International Journal of Journal of Integrative Bioinformatics.

The International Journal of Applied Science and Innovative Research

The International Journal of Autonomous Intelligence Office

The International Journal of Mathematics

6. Participation in Scholarly Conferences

a. Active Participation

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion
2012	International Conference on Data Warehousing and Knowledge Discovery	Austria	k Nearest Neighbor classifier using ensemble clustering.
2012	International Symposium on Health Information and Bioinformatics	Turkey	Multi One Class Classifier
2012	International Conference on Data Mining and Optimization	Malayzia	Lookahead Selective Sampling using a Distance Metric Based on Ensemble Clustering
2013	International Conference on Data Mining and Knowledge Engineering	Dubai	A Distance Function for Data with Missing Values and its Application
2014	International Conference on Data Warehousing and Knowledge Discovery	Germany	Mean Shift Clustering Algorithm for Data with Missing Values
2016	International Conference on Machine Learning and Data Mining MLDM	USA	K-Means over Incomplete Datasets using Mean Euclidean Distance
2016	International Conference on Algorithms for Computational Biology	Spain	Diabetes Predictor using Machine Learning Methods
2018	20th International Conference on Data Mining	Turkey	Decision Trees Applied on Ensemble Clustering Distance Space
2018	20th International Conference on Advances in Diabetes Research	France	Distances over Incomplete Diabetes and Breast Cancer Data Based on Bhattacharyya Distance
2018	9th International Workshop on Biological Knowledge Discovery from Data	Germany	Ensemble Clustering based Dimensional Reduction

Invited Lectures\ Colloquium Talks

Date	Place of Lecture	Name of Forum	Presentation/Comments
2009	Department of Information Systems, University of Haifa	Departmental Colloquium	Lookahead Selective Sampling using a Clustering-Based Distance Metric
2009	Department of Mathematics, University of Haifa	Departmental Colloquium	Lookahead Selective Sampling using a Clustering-Based Distance Metric
2014	Applied Materials Company, Israel.	Departmental Seminar	Mean Euclidean Distance over Incomplete Datasets and Its applications
2014	Department of Industrial and Management Engineering, Ben-Gurion University of the Negev	Departmental Seminar	Mean Shift Clustering Algorithm over Incomplete Datasets
2014	Afeka Academic College	Unsupervised Learning Seminar	Mean Shift Clustering Algorithm for Data with Missing Values
2016	The Max Stern Academic College Of Emek Yezreel	Departmental Seminar	Distance functions over supervised and unsupervised datasets.
2018	The Max Stern Academic College Of Emek Yezreel	Departmental Seminar (Economics and Management Department)	K-nearest neighbors over complete and incomplete datasets and its applications in Economics field

10. Teaching

a. Courses Taught in Recent Years

Year	Name of Course	Type of Course	Degree	Number of Students
2013-2009	Calculus B	Lecture	Undergraduate	80
-2011today	Probability	Lecture	Undergraduate	30
-2011today	3D Geometry	Lecture	Undergraduate	30
-2011today	2D Geometry	Lecture	Undergraduate	30
-2011today	Introduction to Algorithms	Lecture	Undergraduate	30
2015-2011	JAVA OOB	Lecture	Undergraduate	20
2012,2015,2016	Statistics	Lecture	Undergraduate	20
2015	Introduction to Logics	Lecture	Undergraduate	20
2016-2011	Management Information Systems	Lecture	Undergraduate	20
201-20137	Machine Learning	Lecture	Undergraduate	15
2016	Business Intelligence	Lecture	Undergraduate	30
2016	Data Structures	Lecture	Undergraduate	30
2016-2015	Introduction to Computer Science	Lecture	Undergraduate	30
2016-2019	Entrepreneurship	Lecture	Undergraduate	70
2017-2019	Big Data	Lecture	Undergraduate	90
2017-2019	Data Mining	Lecture	Undergraduate	50
2018-2019	Advanced Machine Learning	Lecture	Undergraduate	30

PUBLICATIONS

A. Ph.D. Dissertation

Unsupervised Distances over Complete and Incomplete Datasets and their Applications.

Year: 2014

Institute: Department of Mathematics, University of Haifa.

Advisor: Prof. Ilan Shimshoni, and Prof. Raphael Yuster.

B. Books

AbdAllah, L. 2015. "Unsupervised Distances over Complete and Incomplete Datasets. *Scholars*. ISBN: 9783639764376

C. Articles in Refereed Journals

Published

1. **AbdAllah, L. and Shimshoni I.** 2013. "An Ensemble Clustering Based Distance Metric and Its Application." *International Journal of Business Intelligence and Data Mining*, Vol. 8, No. 3, 264-287. **IF. 0.67**
2. **AbdAllah, L. and Shimshoni I.** 2013. "A Distance Function for Data with Missing Values and its Application". *International Journal of Computer, Information, Systems and Control Engineering*, Vol. 7, No. 10, 664-669.
3. * **Yousef M., Khalifa W., and AbdAllah L.** 2014. "Computational Approaches for Biomarker Discovery". *International Journal of Intelligent Learning Systems and Applications*, Vol. 6, No. 4, 153-161. **IF. 1.42**
4. * **AbdAllah, L. and Shimshoni I.** 2016. "Lookahead Selective Sampling for Incomplete Data". *International Journal of Applied Mathematics and Computer Science*, Vol. 26, No. 4. **IF. 1.15**
5. * **Yousef M., Khalifa W., and AbdAllah L.** 2016. "Ensemble Clustering Classification Compete SVM and One-Class Classifiers Applied on Plant microRNAs Data". *International Journal of Integrative Bioinformatics*, Vol. 13, No. 5. **IF. 0.81**
6. * **AbdAllah L., Khalifa W., Louise C.Showe., and Yousef^c M.** 2017. "Selection of Significant Clusters of Genes based on Ensemble Clustering and Recursive Cluster Elimination (RCE)". *International Journal of Proteomics & Bioinformatics*, , Vol. 10, No. 8., **IF. 1.57**
7. * **Yousef M., Dawit N., AbdAllah L.** 2017. "Automatic Categorization of PubMed microRNA Target Abstracts Based on Text Classification Techniques". *Journal of Applied Bioinformatics & Computational Biology*, Vol: 6 Issue: 3 **IF. 1.00**
8. * **AbdAllah L., and Kaiyal M.** 2018. "Distances over Incomplete Diabetes and Breast Cancer Data Based on Bhattacharyya Distance". *International Journal of Medical, Health Science*. Vol. 12, No. 8., **IF. 3.51**
9. * **Yousef M., AbdAllah L., Allmer J.** 2019. "maTE: Discovering Expressed MicroRNA - Target Interactions". *Journal of Bioinformatics..* **IF: 5.481**

Review process

10. * Yousef M, **AbdAllah L.** 2019. "Decision Trees Constructing Based on K-Means Clustering Algorithm". *Asian Journal of Research in Computer Science*.

In process

11. **AbdAllah L., Yousef M.,** 2019. "Clustering Span based Classification".
12. **AbdAllah, L. and Shimshoni I.** 2019. "Batch Lookahead Selective Sampling for Nearest Neighbor classifier".

D. Articles in refereed Book Chapters

1. **Abdallah L.** and Shimshoni, I. 2018, "Clustering Algorithms for Incomplete Datasets". Recent Applications in Data Clustering, IntechOpen, 265-278.

E. Articles in Conference Proceedings

Published

1. **Abdallah L. and Shimshoni, I.** 2012, "k Nearest Neighbor classifier using ensemble clustering." 14th International Conference on Data Warehousing and Knowledge Discovery (DaWak), Austria, 265-278.
2. **Abedallah L. Badarna M., Khalifa W., and Yousef M.** 2012, "Multi One Class Classifier." 7th International Symposium on Health Information and Bioinformatics (HIBIT), Turkey.
3. **Abdallah L. and Shimshoni I.** 2012, "Lookahead Selective Sampling using a Distance Metric Based on Ensemble Clustering." 4th International Conference on Data Mining and Optimization (DMO), Malaysia.
4. **Abdallah L. and Shimshoni I.** 2013, "A Distance Function for Data with Missing Values and its Application." 12th International Conference on Data Mining and Knowledge Engineering (ICDMKE), Dubai.
5. * **Abdallah L, and Shimshoni I.** 2014, "Mean Shift Clustering Algorithm for Data with Missing Values." 16th International Conference on Data Warehousing and Knowledge Discovery (DaWak), Germany, 426-438. (acceptance rate $31\% \frac{34}{109}$)
6. * **Abdallah L, and Shimshoni I.** 2016, " K-Means over Incomplete Datasets using Mean Euclidean Distance". 13th International Conference on Machine Learning and Data Mining (MLDM), USA, 113-127. (acceptance rate $33\% \frac{58}{169}$)

7. * **Abdallah L**, and Yousef M. 2018, "Decision Trees Applied on Ensemble Clustering Distance Space ". 20th International Conference on Data Mining (ICDM), Turkey (Best paper presentation award). (acceptance rate 12%)
8. * **Abdallah L**, and Yousef M. 2018, "Ensemble Clustering based Dimensional Reduction". 9th International Workshop on Biological Knowledge Discovery from Data (BIOKDD), Germany.
9. * **Abdallah L**, Badarna M, Khalifa W, and Yousef M. 2019, "Ensemble Clustering based Dimensional Reduction". 10th International Workshop on Biological Knowledge Discovery from Data (BIOKDD), Austria.

F. Other Scientific Publications

Published

1. **Abdallah L**, and Shimshoni I. 2014, "A Distance Function for Data with Missing Values and its Application." Poster at the 2nd Annual Conference of the 450mm Consortium, Israel.
2. **Abdallah L**, and Shimshoni I. 2015, "Selective Sampling over Incomplete Datasets" Poster at the 3rd Annual Conference of the 450mm Consortium, Israel.
3. * **Abdallah L**, and Shimshoni I. 2016, "Selective Sampling over Big Datasets" Poster at the 4rd Annual Conference of the 450mm Consortium, Israel.
4. * **Abdallah L**, and Yousef M. 2016, "Diabetes Predictor using Machine Learning Methods" Poster at the 3rd International Conference on Algorithms for Computational Biology.
5. * Lavi Y, **Abdallah L**. 2019, "Diabetes Predictor using Machine Learning Methods" oral presentation at the 13th Israel Conference of Association Information.
6. * **Abdallah L**. 2019, " Euclidean Distance over Incomplete Datasets" oral presentation at the 2nd International Conference on Mathematical and Related Sciences, Turkey.