



Meliz Yuvali

Date of Birth: 21/05/1992

Nationality: Cypriot (EU)

Email: meliz.yuvali@neu.edu.tr

ORCID ID: <https://orcid.org/0000-0002-3458-8557>

Google Scholar : <https://scholar.google.com/citations?user=8kjHFKoAAAAJ&hl=en>

OBJECTIVE

Asst. Prof. Dr. Meliz Yuvalı was born in Nicosia in 1992.

She graduated from Lefkoşa Türk High (LTL) School in 2010 and Near East University (NEU) Faculty of Engineering, Department of Biomedical Engineering in 2016.

Then, in 2018, she completed her master's degree at NEU Faculty of Medicine, Department of Biostatistics, and in 2022, she received the title of Doctor of Science by presenting and publishing her doctoral thesis on Classification comparison of machine learning algorithms using two independent CAD datasets.

In 2016, she was appointed as an assistant to the Materials Science and Nanotechnology Engineering Department and General Chemistry Laboratory at NEU Faculty of Engineering. Afterwards, she continued as an assistant at NEU Faculty of Medicine, Department of Biostatistics in 2018, and after completing her doctorate, she continues her academic career as a Physician Lecturer at NEU Faculty of Medicine, Department of Biostatistics, as of September 2022.

Dr. Meliz Yuvalı was appointed as the Deputy Coordinator of NEU Faculty of Medicine Term-II in November 2023. She serves on the NEU-Gender Research Center (TOCAM) Board of Directors and Health Science Board. She also works as a researcher at NEU Irfan Suat Gunsul Operational Research Institute.

CORE COMPETENCES

- Statistical Analysis, SPSS
- Machine Learning
- Data mining
- Project Management
- Microsoft Office
- Proofreading
- R-software (beginner)
- Turkish
- English
- Greek (A1)

EXPERIENCE

Engineering Faculty - Chemistry Lab.

- Supporting students with experimental studies for theoretical courses.

NEAR EAST UNIVERSITY , Nicosia, Cyprus 12/2018 - Present
Faculty of Medicine,Biostatistics Department.

- I teach biostatistics, research methods and health informatics in many departments within the university.
- I support students with their perspective on statistical and scientific studies, their evaluation of events, and their scientific approaches.

NEAR EAST UNIVERSITY , Nicosia, Cyprus 2023 - Present
Faculty of Medicine

Near East University Faculty of Medicine Term 2 Vice Coordinator

ACADEMIC
CURRICULUM VITAE

1. Personal Informations:

Name-Surname: Meliz Yuvalı
Date of Birth: 21 May 1992
Place of Birth: Nicosia, Cyprus (EU)
e-mail: melizyuvali@neu.edu.tr

2. Title: Assist. Prof. Dr.

3. Languages: Turkish, English, Greek (A1)

4. Educational Background:

Degree	Department/Program	University	Year
Bachelor’s	Biomedical Engineering	Near East University	2016
Master’s	Biostatistics	Near East University	2018
Ph.D.	Biostatistics	Near East University	2022
Assist. Prof. Dr.	Biostatistics	Near East University	2024

5. Master’s / PhD Thesis

5.1.Master's Thesis Title

Application of Multivariate Statistical Methods and Model Evaluation With ROC Curve Analysis on Coronary Artery Disease

5.2.PhD Thesis /Medical Specialty Thesis Title

Application of Data Mining Algorithms on Coronary Artery Disease Data for Rule Discovery and Evaluation

REFERENCES

References available on request

6. PUBLICATIONS

1. American Journal of Biostatistics : The Extent of Community Awareness Using Natural Element's Instead of Using Chemical Drugs (24.10.2017)
2. American Journal of Biostatistics :General Bearing of Students with Sustainable Satisfaction in Higher Institution of Learning (03.10.2017)
3. Biometrics & Biostatistics International Journal: Choosing statistical tests for survival analysis (2017)
4. Biometrics & Biostatistics International Journal : Influence of Residential Setting on Student Outcome (22.11.2017)
5. Biometrics & Biostatistics International Journal :Review of Prostatic Tumor Using Kaplan Meier and Cox Regression (06.12.2017)
6. Global Journal of Reproductive Medicine : Life expectancy; Factors; Malaria the Most Common Disease Affecting Pregnant Women in Africa (Nigeria and Cameroon) (06.2018)
7. Transylvanian Review: Statistical Study of Epidemiological Profile of Pulmonary Tuberculosis at Bandudu Province From 2008 to 2016, in The Democratic Republic of The Congo (2018)
8. Annals of Biostatistics & Biometric Applications: Determine Significant Factors Related to Malaria among Pregnant Women in Nigeria by Logistic Regression Analysis (2019)
9. International Conference on Theory and Application of Soft Computing, Computing with Words and Perceptions: Fuzzy Ordination of Breast Tissue with Electrical Impedance Spectroscopy Measurements (2019)
10. Annals of Biostatistics & Biometric Applications, ABBA. MS. ID: Application of Multivariate Statistical Methods of Patient Surviving ART Follow-up. Annal Biostat & Biomed Appli. 2 (1): 2019
11. ICSCCW 2019: 10th International Conference on Theory and Application of Soft Computing, Computing with Words and Perceptions - ICSCCW-2019: Fuzzy Ordination of Breast Tissue with Electrical Impedance Spectroscopy Measurements. (27.08.2019)
12. Real-Time Intelligence for Heterogeneous Networks: Classification of Solid Wastes Using CNN Method in IoT Het-Net Era. (03.09.2021) - DOI: 10.1007/978-3-030-75614-7_8
13. 11th International Conference on Theory and Application of Soft Computing, Computing with Words and Perceptions and Artificial Intelligence - ICSCCW-2021: Evaluation of HCV Infection Laboratory Test Results Using Machine Learning Methods (01.01.2022)
14. Mathematics-MDPI: Classification Comparison of Machine Learning Algorithms Using Two Independent CAD Datasets. (20.01.2022)
15. 'Classification comparison of machine learning algorithms using Spectroscopic Breast Tissues Dataset', 2023 Advances in Science and Engineering Technology International Conferences (ASET) [Preprint]. doi:10.1109/aset56582.2023.10180521.
16. "Evaluating Different Types of Treatment for Osteoporosis Using Fuzzy PROMETHEE," 2023 Advances in Science and Engineering Technology International Conferences (ASET), Dubai, United Arab Emirates, 2023, pp. 1-7, doi: 10.1109/ASET56582.2023.10180646.

17. Ozsahin, I. *et al.* (2024) ‘Bi-rads-based classification of Breast Cancer Mammogram dataset using six stand-alone machine learning algorithms’, *Artificial Intelligence and Image Processing in Medical Imaging*, pp. 195–216. doi:10.1016/b978-0-323-95462-4.00008-x.
18. David, L.R. *et al.* (2024) ‘Evolving radiographic practice: Identifying possible skill requirements for future radiographers practicing in the United Arab Emirates (UAE)’, *Journal of Medical Imaging and Radiation Sciences*, p. 101393. doi:10.1016/j.jmir.2024.02.018.
19. Dalah, E.Z., Yuvalı, M. and Ozsahin, D.U. (2024) ‘Machine learning techniques reveal the most effective and influencing gender-based scan acquisition parameters that contribute to patient dose undergoing enhanced CT abdomen and pelvis examinations’, *2024 17th International Conference on Development in eSystem Engineering (DeSE)*, pp. 593–598. doi:10.1109/dese63988.2024.10911907.
20. EZ Dalah, M Yuvalı, DU Ozsahin - 2024 17th International Conference on Development in ..., Machine Learning Techniques Reveal the Most Effective and Influencing Gender-based Scan Acquisition Parameters that Contribute to Patient Dose Undergoing Enhanced CT abdomen and pelvis examinations (2025).
21. S Shetty, M Yuvalı, I Ozsahin, S Al-Bayatti... - International Dental Journal, 2025.

7. Administrative Responsibilities

Near East University Faculty of Medicine Term 2 Vice Coordinator

8. Memberships in Scientific and Professional Organizations

KKTMMOB- Chamber of Electrical Engineers: Member and Vice Chairman of the Biomedical Committee

NEU - DESAM Health Operations Center: Researcher

NEU - Gender Research and Application Center (TOCAM) Health Science Board and Board Member

9. Software programs used

SPSS, Datamining Programs, ML Programmes, R-software, & Microsoft Office (Powerpoint, Excel, Word)

10. Undergraduate and Graduate Courses Taught in the Last Two Years

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2021 - 2022	FALL	HEM341- SAĞLIK BİLİŞİMİ	3	-	138
	FALL	BIS401-SAĞLIK BİLİŞİMİ	3	-	20
	FALL	TMG311- BİYOİSTATİSTİK	3	-	9
	FALL	SBL301- SAĞLIK BİLİŞİMİ	3	-	2
	FALL	ERG409- SAĞLIK BİLİŞİMİ	3	-	12
	FALL	MBG311-BIOSTATISTICS	3	-	7
	FALL	NUR341- HEALTH INFORMATICS	3	-	93
	FALL	FHS401- HEALTH INFORMATICS	3	-	19

	SPRING	HIN302- HEALTH INFORMATICS	3	-	16
	SPRING	SBF302-SAĞLIK BİLİŞİMİ	3	-	42
	SPRING	SBF-302/303 SAĞLIK BİLİŞİMİ	3		17
2022 - 2023	FALL	TMG311- BİYOİSTATİSTİK	3	-	7
	FALL	ERG409-SAĞLIK BİLİŞİMİ	3	-	14
	FALL	HEM341-SAĞLIK BİLİŞİMİ	3	-	159
	FALL	BIS301-BIOSTATISTICS	3	-	65
	FALL	MBG311- BIOSTATISTICS	3	-	10
	FALL	FHS301- BIOSTATISTICS	3	-	20
	FALL	NUR341- HEALTH INFORMATICS	3	-	72
	SPRING	DTC400- BIOSTATISTICS	3	-	58
	SPRING	SBF302- SAĞLIK BİLİŞİMİ (ORTAK)	3	-	3
	SPRING	SBF302-SAĞLIK BİLİŞİMİ	3	-	50
	SPRING	NUR306-RESEARCH METHODOLOGY	3	-	97
	SPRING	HIN302-HEALTH INFORMATICS	3	-	11