Hedyeh Mobahi

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Education

2018-2024	Ph.D. in Health Services Research (Concentration in knowledge discovery and Health Informatics), College of Public Health, George Mason University, Fairfax, VA.
2016-2018	M.Sc. in Health Informatics, College of Health and Human Services, George Mason University, Fairfax, VA.
1999-2004	B.A. in Italian Language and Literature, University of Tehran, Tehran, Iran.

Employment

2016-current	Graduate Research Assistant (System and data administrator)

Teaching and Material Development

Spring 2019	Selected sections of HAP 436 “Electronic Health Record Configuration and Data Analysis” course. Material preparation for HAP 720 “Health Data Integration” course.

Hard Skills

- Machine Learning and Data Science:
  - Scikit-learn
  - Pandas
- Database/Server:
  - Postgres
  - My SQL
  - SQL Server
- Data Visualization:
  - Matplotlib
- Survey Analysis
- Conference Presentation

Technical Skills

- Programming Language:
  - Python
  - SQL
- Operating System:
  - Linux
  - Windows
- Health Informatics:
  - Electronic Health Records (EHR) systems
  - HL7 standard
- Online Teaching Platforms:
  - Blackboard
- Scientific Writing and Publishing
- Technical Writing

Soft Skills

- Team Collaboration
- Mentorship
- Adaptability

Languages

- Persian (Native)
- English (Advanced Proficiency)

- German (Intermediate Proficiency)
- Italian (Basic Proficiency)

Papers and Publications

1. Min, H., Mobahi, H., Vukomanovic, S., Irvin, K., Krasniqi, I., Avramovic, S. and Wojtusiak, J., "Applying an Ontology-guided Machine Learning Methodology to SEER-MHOS Dataset,", Orlando, FL, Bio-Ontologies SIG, 2016.

2. Min, H., Mobahi, H., Irvin, K., Avramovic, S. and Wojtusiak, J., "Predicting activities of daily living for cancer patients using an ontology-guided machine learning methodology," Journal of Biomedical Semantics, 8(1), 39, 2017.

3. Wojtusiak, J., Min, H., Elashkar, E. and Mobahi, H., "Guiding Supervised Learning by Bio-Ontologies in Medical Data Analysis," Artificial Intelligence for Knowledge Management. AI4KM, 518, Springer, 2018.

4. Wojtusiak, J., Bagchi, P., Durbha, S., Mobahi, H., Mogharab Nia, R. and Roess, A., "COVID-19 Symptom Monitoring and Social Distancing in a University Population," IEEE International Conference on Healthcare Informatics (ICHI), November, 2020.

5. Wojtusiak, J., Bagchi, P., Durbha, S., Mobahi, H., Mogharab Nia, R. and Roess, A., "COVID-19 Symptom Monitoring and Social Distancing in a University Population," Journal of Health Informatics Research, 2021.

6. Min, H., Mobahi, H. and Wojtusiak, J., "Application of Synthetic Datasets across Courses in Health Informatics Education," International Conference on Healthcare Informatics (ICHI), Houston, Texas, 2023.

Posters

1. Min, H., Oz, T., Vukomanovic, S., Mobahi, H., Irvin, K., Krasniqi, I. and Wojtusiak, J., "Applying Machine Learning Methods to Predict Activities of Daily Living for Cancer Patients," Poster at AMIA Annual Symposium, November 2016.

2. Min, H., Oz, T., Vukomanovic, S., Mobahi, H., Irvin, K., Krasniqi, I. and Wojtusiak, J., "Visualizing the Effects of Cancers on Relationships Between Comorbidities and Activities of Daily Living," Poster at American Medical Informatics Association Annual Symposium, November 2016.

3. Mobahi, H., Asadzadehzanjani, N. and Wojtusiak, J., "Data-driven Categorization of Opioid Abuse Trajectories," Poster at AMIA Informatics Summit, San Francisco, CA, March 2019.

4. Mobahi, H., Min, H. and Wojtusiak, J., "Synthetic Data for Teaching Data Integration in Informatics Graduate Program," Poster at AMIA Annual Symposium, Washington D.C., November 2019.

5. Durbha, S., Mobahi, H. and Wojtusiak, J., "Data Integration for Enhanced Movement Behavior Analysis," Poster at AMIA Annual Symposium, San Francisco, CA, November 2024.

Awards and Honors

- **Health Services Research for Scholarly Excellence and Impact Award**
  George Mason University, April 2024.