

Omar Nadeem

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GitHub: <https://github.com/omadeem-models>

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Education

- MS in Data Science, University of Illinois Urbana-Champaign - Thesis: Agent-Based Models in Epidemiology
- BS in Mathematics, University of New Mexico

Experience

- Data Science Intern, MedInsight Analytics (2023)
- Modeled patient risk profiles using clustering and PCA
- Designed simulation framework for disease progression
- Intern, State Department of Health (2022)
- Built basic Markov models for resource allocation scenarios

Projects

- GitHub: <https://github.com/omadeem-models>
- ABM-Sim: Clean code and documentation for simulating epidemic spread
- MarkovTools: Initial implementation of dynamic programming techniques
- Sparse but clearly mathematically informed work

Strengths

- Solid theoretical grasp of modeling and dynamical systems
- Still developing real-world coding chops and robustness
- Highly coachable; needs structured challenges to flourish