

# Stanford

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## Giovanni Malloy

Ph.D. Student in Management Science and Engineering, admitted Autumn 2017

### Bio

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#### BIO

Research Area: Health Policy

I develop computational models to improve decision-making in health policy. Specifically, I utilize complex networks, machine learning, data analytics, and economic modeling in my methodology. Applications include emerging, zoonotic, neglected, and sexually transmitted communicable infectious diseases that pose a risk as a result of naturally occurring emergence or biological attack.

#### HONORS AND AWARDS

- Charles and Katherine Lin Fellowship, Department of Management Science & Engineering, Stanford University (July 2019)
- Lee B. Lusted Student Prize in Health Services, Outcomes, and Policy Research, Society for Medical Decision Making (October 2019)
- Excellence in Undergraduate Research Award, Purdue Policy Research Institute (May 2017)

#### EDUCATION AND CERTIFICATIONS

- BS, Purdue University, Industrial Engineering

### Publications

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#### PUBLICATIONS

- **Estimation of COVID-19 Basic Reproduction Ratio in a Large Urban Jail in the United States.** *Annals of epidemiology*  
Puglisi, L. B., Malloy, G. S., Harvey, T. D., Brandeau, M. L., Wang, E. A.  
2020

#### PRESENTATIONS

- Predicting the Effectiveness of Interventions for Infectious Disease Control: The Role of Model Structure - SMDM North American Meeting