

## Sahil Loomba

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CONTACT INFORMATION	301A Sir Ernst Chain Building Imperial College London, South Kensington London SW7 2AZ, UK	+44 7721 538305 s.loomba18@imperial.ac.uk <a href="https://sloomba.github.io">https://sloomba.github.io</a>
EDUCATION	<b>Imperial College London, United Kingdom</b> PhD in Applied Mathematics, 2018 – present <b>Indian Institute of Technology Delhi, India</b> BTech in Computer Science & Engineering, 2012 – 2016 GPA: 8.969/10	
PROFESSIONAL EXPERIENCE	<b>Wyss Institute for Biologically Inspired Engineering at Harvard University</b> Postbaccalaureate Fellow in Computational Biology, August 2016 – July 2018	
RESEARCH INTERESTS	Network science, computational social science, computational cognitive science, computational and systems biology, Bayesian statistics, probabilistic deep learning	
PUBLICATIONS	<ul style="list-style-type: none"><li>• Loomba, S., &amp; Jones, N. S. (In prep). Geodesic statistics for complex random networks.</li><li>• Loomba, S., de Figueiredo, A., Piatek, S. J., de Graaf, K., &amp; Larson, H. J. (2021). Measuring the impact of COVID-19 vaccine misinformation on vaccination intent in the UK and USA. <i>Nature Human Behaviour</i>, 5(3), 337-348.</li><li>• Duffy, S., Loomba, S., Cartwright, M., Dimitrakakis, N., Scott, J., McCarty, A., Shapiro, N. I., Super, M., &amp; Ingber, D. (In prep). Application of MALDI-TOF mass spectrometry for the rapid identification of PAMPs in blood culture negative septic patients using FcMBL-coated magnetic beads.</li><li>• Gandhi, A., Biswas, A., Shrivastava, K., Kumar, R., Loomba, S., &amp; Deshmukh, O. (2016, March). Easy Navigation through Instructional Videos using Automatically Generated Table of Content. In <i>Companion Publication of the 21st International Conference on Intelligent User Interfaces</i> (pp. 92-96). ACM.</li></ul>	
ORAL AND POSTER PRESENTATIONS	<ul style="list-style-type: none"><li>• Loomba, S., &amp; Jones, N. S. (2020, July). Scalable statistics for social networks of entire societies. Oral presentation at <i>Sunbelt XL Conference</i>.</li><li>• Loomba, S., &amp; Jones, N. S. (2020, March). Stochastic block models as a social connectivity kernel. CMPH Seminar, Imperial College London. Networks of Entire Societies</li><li>• Loomba, S., Hoffmann, T., &amp; Jones, N. S. (2019, July). Social Access Statistic: Linking Social Connectivity to Health Outcomes. Poster presentation at <i>5th International Conference on Computational Social Science</i>.</li><li>• Loomba, S., &amp; Garrod, M. (2019, July). How Far Would You Go? Comparing Urban Access in 10 Global Cities. Poster presentation at <i>NetMob 2019</i>.</li><li>• De Figueiredo, A., Loomba, S., &amp; Jones, N. S. (2018, November). National and sub-national vaccine coverage and confidence analytics. Poster presentation at <i>Launch of Imperial Network for Vaccine Research (INVaR)</i>.</li></ul>	
GRADUATE TEACHING EXPERIENCE	Methods for Data Science (Years 3 & 4, MSc) Mathematical Computation in Python (Year 1) Probability and Statistics II (Year 2)	October – December 2019 January – March 2019 October – December 2018
REVIEWING	Physical Review E Nature Scientific Reports New Journal of Physics 2	2019 – 2019 – 2021 –