

# 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 <b>Indian Institute of Technology Delhi, India</b> BTech in Computer Science & Engineering GPA: 8.969/10 Thesis: Causal Computational Models for Gene Regulatory Networks	2018 – present 2012 – 2016
PROFESSIONAL EXPERIENCE	<b>Wyss Institute for Biologically Inspired Engineering at Harvard University</b> Postbaccalaureate Fellow in Computational Biology <b>Xerox Research Center India</b> Research Intern in Multimedia Analytics	August 2016 – July 2018 May – July 2015
RESEARCH INTERESTS	Network science, Bayesian modeling, statistical inference, computational social science, public health statistics, computational cognitive science, computational & systems biology	
PUBLICATIONS	<ul style="list-style-type: none"><li>• Loomba, S., &amp; Jones, N. S. (In prep). Geodesic statistics for random network families.</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>• 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. (2021, July). Geodesic statistics for random network families. Oral presentation at <i>Networks 2021 (Joint Sunbelt and NetSci Conference)</i>.</li><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. Talk at <i>CMPH Seminar, Imperial College London</i>.</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 –