Srshti Putcha

STOR-i Centre for Doctoral Training, Faculty of Science and Technology,
Lancaster University, Lancaster, LA1 4YR
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Publications	Aicher, C.; **Putcha, S.**; Nemeth, C.; Fearnhead, P.; Fox, E.B.. *Stochastic Gradient MCMC for Nonlinear State Space Models.* ArXiv (in submission), 2019. [Link]

Education

PhD in Statistics and Operational Research Lancaster University Pending	September 2018 - present
MRes in Statistics and Operational Research Lancaster University Distinction	September 2017 - August 2018
MSc in Statistics (Research) London School of Economics and Political Science Distinction	September 2016 - August 2017
BSc in Mathematics and Economics London School of Economics and Political Science First Class Honours	September 2013 - July 2016

Research Experience

PhD Candidate STOR-i Centre for Doctoral Training, Lancaster University	September 2018 - present

Project: Scalable Monte Carlo for the general big data setting
Supervised by: Chris Nemeth (Lancaster), Paul Fearnhead (Lancaster) and Emily Fox (University of Washington)

- Currently working on scalable Bayesian inference for big data problems, with a focus on stochastic gradient Markov chain Monte Carlo
- Particularly interested in developing methodology for dependent data settings
- Currently manage and run weekly, student-focused "coffee sessions" for STOR-i PhD students
- Attended the Machine Learning Summer School (London) in July 2019

MSc Candidate Department of Statistics, London School of Economics and Political Science	September 2016 - August 2017

- Spent three months completing an original Masters' dissertation
  Project: Feature screeening in ultra-high dimensional data
  Supervised by: Dr. Xinghao Qiao (LSE)

	Research Intern	July 2015 - September 2015
	STOR-i Centre for Doctoral Training, Lancaster University	

- Conducted a research project focused on locally stationary time series
- Produced an academic presentation and project poster to summarise findings

Posters

Stochastic Gradient MCMC for Nonlinear State Space Models June 2019
Research Students' Conference in Probability and Statistics, University of Exeter

Non-uniform Subsampling for Stochastic Gradient MCMC January 2020
BayesComp 2020, University of Florida

Awards and Grants

Travel Grant, BayesComp 2020, University of Florida January 2020
Travel Grant, Graduate School Travel Grant January 2020
Travel Grant, Hausdorff School on MCMC, Bonn March 2020

Professional Accreditation

Graduate Statistician, Royal Statistical Society January 2018

Skills

Programming: R, Python, C, MATLAB and HTML 5
Computing: LaTeX, Microsoft Office
Statistical Software: Stata, SPSS
Other: Mental Health First Aider (October 2018)

Other Academic Activities

RSS Lancashire and Cumbria Local Group, *Secretary* November 2019 - present
RSS Lancashire and Cumbria Local Group, *Committee* January 2018 - presemt
STOR-i Schools Programme, *Participant* October 2018 - present

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Work Experience

Graduate Teaching Assistant October 2018 - present
Department of Mathematics and Statistics, Lancaster University

- Teaching first and second year undergraduate Maths courses introductory calculus, probability, statistics, and linear algebra
- Teaching postgraduate level courses in Bayesian inference and computational methods

Academic Tutor September 2017 - January 2018
MyTutor, TutorHunt

- Worked part-time as a Maths tutor offering sessions to A-level and GCSE students both in-person and online
- 30+ tutorials completed

Website https://lancaster.ac.uk/~putchas
LinkedIn www.linkedin.com/in/splse