

# Siva Rajesh Kasa

✉ [kasa@u.nus.edu](mailto:kasa@u.nus.edu)  
📁 [kasakh.github.io](https://github.com/kasakh)

## Research Interests

High-Dimensional Statistics, Statistical Machine Learning and Bioinformatics

## Education

- 2018-202X **Ph.D.**, *School of Computing*, National University of Singapore.
- 2016-2018 **Master of Business Administration**, *Decision Sciences and Statistics*, Indian Institute of Management, Bangalore, *GPA – 3.25/4*.
- 2008–2012 **Bachelor of Technology**, *Mechanical Engineering*, Indian Institute of Technology, Madras , *GPA – 8.85/10*.

## Publications

- HD, stats Gaussian Mixture Copulas for High-Dimensional Clustering and Dependency-based Subtyping, Siva Rajesh Kasa, Sakyajit Bhattacharya, Vaibhav Rajan, Bioinformatics (Oxford University Press)
- Time Series A Test for detecting Structural Breakdowns in Markets using Eigenvalue Decompositions, Malay Bhattacharyya, Siva Rajesh Kasa, FEBS 2019

### Preprints

- HD, Stats, Clustering and Model Selection in Mixture Models for High-Dimensional Data and  
ML Misspecified Models using Automatic Differentiation, Siva Rajesh Kasa, Vaibhav Rajan
- Stats Improved Inference for Gaussian Mixture Copula Models for Clustering and Reproducibility Analysis using Automatic Differentiation, Siva Rajesh Kasa, Vaibhav Rajan

## Experience

- 2012-16 **Asst. Manager, Mechanical Engineering**, NTPC LTD.
- May - June, **Program Management Intern**, VISA INC.  
2017

## Relevant Courses

- Theory Advanced Statistical Theory, Bayesian Machine Learning, Stochastic Processes and Multi-Armed Bandits
- Application Bioinformatics, Natural Language Processing

## Skills

R, PYTHON, JULIA, MATLAB