



Aritra Biswas

Curriculum Vitae

Education

- 2017 **M.Sc. (Statistics)**, *University of Delhi, Delhi, India.*
2015 **B.Sc. (Statistics)**, *Presidency University, Kolkata, India, 46.5%.*

Current Academic Project

- Title *Server based interactive programming in R to visualize maximum likelihood*
Supervisors Dr. Kapil Kumar, Department of Statistics, Delhi University
Description Simulating a data for a given probability distribution by user as input (i.e. family or distribution name and parameter space). This program uses Shiny server to visualise the log-likelihood of the simulated data and estimates the various population parameter associated with the distribution of the simulated data. for details click here

Independent Projects

- Jan-2013 **Case study with Minitab**, *A comparative study of OLS and multiple linear regression.*
This case study shows the basic differences between OLS and multiple linear regression. Similarity and difference between these two methods. Conducts a series of statistical test for regression assumption in R. Also, it validates various assumptions of linear regression with the help of residual analysis. for details click here
- July-2015 **YouTubeR**, *An R based interface to access and analyse YouTube API.*
YouTubeR is an interface in R to access YouTube data API. It gets real time data from Youtube data API and google plus API. It also converts the complex data structures, nested lists from JSON file to class S3 object, missing value treatment, graphically analysis, sentiment analytics. Utility associated with sentiment analysis in this package is the modification of various functions from Syuzhet, TM and openNLP packages in R. (Details mentioned in the package vignette)
 - Dealing with complex data structure, sparse data, nested list, large missing values;
 - Web scraping unstructured text data and creating structured lists in R:
 - (a) rvest package;
 - (b) Application of rjson, jsonlite, RJSONIO package;
 - (c) Application of tidyr, dplyr and data.table package;
 - Data visualization with base graphics, ggplot2, ggvis, lattice and htmlwidgets in R.for details click here
- April-2016 **Exploratory data analysis with R.**
Validating regression assumptions by graphical and statistical tests, Multivariate data visualisation and feature selection. for details click here

Languages

English	Proficient	<i>Speaking and writing</i>
Hindi	Fluent	<i>Speaking and writing</i>
Bengali	Fluent	<i>Native speaker</i>

Computer Skills

Programming Languages:	R, C, GW-BASIC	Statistical Softwares:	Minitab, Excel, SPSS
Markup Languages:	LaTeX, Markdown, HTML	Web Services:	AWS, Rstudio Server, Shiny Server
R Developer:	YouTubeR, WebMap	Others:	SQL, WordPress, Joomla

DL 13/5, Sector II, Salt Lake, Kolkata, India

☎ +91 9540747437 • ☎ +91 9051237918 • ✉ aritra.biswas.stats@gmail.com
🌐 www.aritrabiswas.in • in [itheta](#) • 🐦 [Ariztotal](#) • 🌐 [itheta](#)

Interests

- Blogging
- Reading
- Cooking
- Photography

Technical Skills

Machine Learning	Classification, Regression Analysis, Support Vector Machine, Natural Language Processing
Statistical Methods	Hypothesis Testing, Resampling Techniques, Dimensionality Reduction, Principal Component Analysis, Nonparametric Methods
Selected Coursework	Probability Theory, Statistical Inference, Linear Algebra, Statistical Computing, Data Analysis (till Semester I and II), Generalized Linear Models, Multivariate Analysis, Econometrics and Time Series Analysis, Advanced Statistical Computing and Data Mining, Bayesian Inference, Operational Research (in upcoming Semester III and IV)

Online courses and certifications

- Statistical Learning, Stanford Online (with distinction)
- Predictive Analytics, IIMB, edX (Certified)
- Introduction to Machine Learning, NPTEL
- Applied Multivariate Analysis, NPTEL
- DataCamp
- Data Science Specialization, JHU

Extracurricular activities and responsibilities

- General secretary of photography club
- Web admin (Milieu, Presidency College)
- Guest blogger at PriceJugaad
- Graphic designer of college annual magazine
- Member, Millieu organizing committee
- Guest blogger at ifitry.com

Publications

- [1] John Doe. Title, year.
- [2] John Doe. Title, year.
- [3] John Doe and Author 1. *Title*. Publisher, edition edition, year.
- [4] John Doe and Author 2. *Title*. Publisher, edition edition, year.
- [5] John Doe and Author 3. Title, year.

Company, Inc.
123 somestreet
some city

Dear Sir or Madam,

Hello,

I'm Aritra Biswas. I'm currently perusing my post-graduation course in statistics from Department of Statistics, University of Delhi. I've done my graduation from Presidency College, University of Calcutta. I've come to know about the from As a keen observer of analytics industry, the have grabbed my eyeballs. I believe with my specific skill sets I can try to make better than others in the field of data science. With the I've been informed about the position of a data scientist in I found the job quite exciting, challenging, which made me to apply for this position. For this position I can offer:

- Skills in various programming languages (i.e R, C, SQL, LaTeX, Markdown). I'm a native R programmer with specialization in statistical leaning and advanced multivariate data visualization. (For details, see resume)
- Academic course work in Statistics and application of mathematics.
- Familiar with cloud computing such as AWS, GCE.
- Passion for data science and interest in development in the field of statistical computation.

In the past graduate school seemed to be the only option for doing this. Now I believe that I can disseminate my knowledge and passions more effectively through as a data scientist. I would love to learn more about the responsibilities of aData Scientist, and I can be reached, My ultimate goal is to help grow the world's knowledge and to make it more accessible to a wide.

Yours faithfully,

Aritra Biswas

Attached: curriculum vitae

Aritra Biswas

DL 13/5, Sector II, Salt Lake, Kolkata, India

☎ +91 9540747437 • ☎ +91 9051237918 • ✉ aritra.biswas.stats@gmail.com
🌐 www.aritrabiswas.in • in [itheta](#) • 🐦 [Ariztotal](#) • 🌐 [itheta](#)