

SHUBHRAM PANDEY

I am a statistician and economic modeler working in the Modelling and Advanced Analytics team in [Parexel International](#) and driving projects on standard statistical methodologies in the health-care industry and development of economic models for various indications. I am also working as an ambassador of [3AI](#), largest platform for analytics professionals in India.

I am interested in the transformation of standard practices in the healthcare industry to the next level with the help of machine learning and artificial intelligence. Also interested in statistical Modeling – Bayesian predictive modeling, regression, Time Series forecasting, Survival Analysis

I have extensive experience in the development and deployment of automated tools including but not limited to economic models in R Shiny. Check out my recent development on [COVID19](#) available in the public domain.



EDUCATION

- 2017
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2015

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MSc in Statistics and Computation
[Banaras Hindu University, Varanasi](#)

Uttar Pradesh, India

 - Gold Medalist of the batch (CGPA 9.71)
 - Specialization in handling the various applications of statistics with the help of computation languages like R, SAS, Python, etc.
- 2015
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2012

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BSc in Statistics
[Lucknow University, Lucknow](#)

Uttar Pradesh, India

PROFESSIONAL EXPERIENCE

- Current
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2018

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Associate Consultant (Statistician & Economic Modeler)
[Parexel International](#)

Mohali, India

 - Development and customization of static and dynamic(compartmental) economic models for various indications and vaccines. Also, development and deployment of economic models and automated tools for Survival analysis, Network meta-analysis , and cost calculators in R shiny.
 - Standard parametric survival analysis, mixture models, cure fraction models, adjustment of treatment switching, adverse event analysis, utility analysis, and HCRU analysis from patient-level data or various retrospective databases.
 - Experience in conducting comparative effectiveness research projects including systematic literature reviews, meta-analysis, network meta-analysis, and various methodologies for comparative effectiveness including but not limited to MAIC and STC.
- 2018
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2017

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Analyst (Economic modeler)
[Complete HEOR Solutions](#)

Gurgaon, India

 - Customization and adaptation of economic models, validation of input parameters, literature review for inputs and technical report writing
 - Development of in house automation tools and dashboards in order to increase efficiency and productivity
 - Systematic literature review, network meta-analysis, and real-world database analysis

AWARDS AND ACHEIVEMENTS

- Current
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2012

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Awards
Professional & Academic Career

India

 - Parexel recognition for the development of economic models and R shiny related works.
 - CHEORS awards of excellence in the development of economic models, team player, handling multiple projects, performer of the month.
 - National Chess player and former district captain of the university chess team, won several gold and silver medals in chess championship competitions

CONTACT

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Contact
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[Github](#)

LANGUAGE SKILLS

R	
Excel-VBA	
Python	
SAS	

OFFICE SKILLS

Good Listener	
Team player	
Multitasker	
Eagle eye observer	
Project management	

PACKAGES

Author of R package **"comEff"** used to run meta analysis for historical control evidences.

Author of [COVID19 dashbaord](#) developed in R shiny which allows users to forecast, pan-demic height using infectious disease(SIR) modelling.

*This RESUME was developed using rmarkdown package in R v3.6.3.
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