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 healthcare 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 | 2015

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 | 2012

BSc in Statistics
Lucknow University, Lucknow 📍 Uttar Pradesh, India
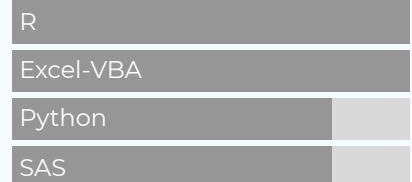
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💼 INDUSTRY EXPERIENCE

Current | 2018

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.

CONTACT & LINKS

✉ Contact
🔗 shubhrampandey.com
in LinkedIN
🐦 Twitter
⚙ Github

LANGUAGE SKILLS

R
Excel-VBA
Python
SAS

OFFICE SKILLS

Good Listener
Team player
Multitasker
Eagle eye observer
Project management

This CV was developed using rmarkdown package in R v3.6.3. Last updated on May 20, 2020.

2018 | 2017

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 data-base analysis

2015

Intern
Sigma research and consulting Pvt. Ltd.   📍 Delhi, India

- Data handling and statistical analysis
- Report writing

🏅 AWARDS AND ACHEIVEMENTS

Current | 2012

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

📖 ABSTRACTS

Current | 2020

ISPOR
📍 USA

- Prediction of breast cancer using k-nearest neighbor: a supervised machine learning algorithm
- Bayesian network meta-analyses of overall survival: application of different parametric and fractional polynomial methods

Current | 2019

ISPOR
📍 USA

- Estimating the burden of salivary gland cancer in Nordic countries: A predictive analysis using time series analysis methods
- Value assessment of proportional hazards testing in oncology HTA submissions for pd-1/pd-l1 inhibitors - a NICE perspective

✳️ CERTIFICATIONS

Current | 2020

Coursera
Credential ID: DHP6QHLJ4PNG

- Aritificial Intelligence for Medical Diagnosis
- See certification here

Current
|
2019

NASBA

Credential ID: 140940

· Creating Interactive Presentations with Shiny and R

Current
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2019

NASBA

Credential ID: 140940

· Artificial Intelligence Foundations: Machine Learning

BLOGS

Current
|
2020

[website](#)

· Prediction of nCov cases in India using infectious disease modelling
· What is R0: parameter to measure contact ratio.

ASSOCIATIONS

Current
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2018

Member of:

· [3AI-Largest analytics professionals community](#)
· [European R User](#)
· [International data visualization society](#)

R WORK

Current
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2020

comEff

📍 Github

· Author of R package ["comEff"](#) used to run meta analysis for historical control evidences.

Current
|
2020

COVID19 Monitor

📍 Github

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