

KALYANI SONAWANE

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EDUCATION

M.Sc. in Statistics

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

2023 – 2025

Persuing

B.Sc. in Actuarial Science, CGPA - 9.84

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

2020 – 2023

HSC (Science), Percentage - 77.08%

Arts, Science and Commerce College, Chopda

2018 – 2020

RELATED COURSEWORK

- Financial Mathematics, Life Contingency, Survival Models, Credibility theory and Loss Distribution, Statistical Process Control and Total Quality Management, Probability Distribution, Stochastic Process
- Distribution Theory, Mathematical Methods, Sampling Theory and Statistics for National Development, Advanced R Programming and Numerical Methods, Statistical Computing with Python, Data Mining, etc.
- **Inferential Statistics:** Hypothesis testing, regression analysis, ANOVA

INTERNSHIP

- **On Job Training:** Social Justice and Special Assistance Department, Jalgaon
Study on Development and Impact of Special Component Plan

PROJECT

- **Applications of Generalized Linear Models to Actuarial Problems** *Working..*
 - Contributing to an ongoing project aimed at fitting Generalized Linear Models (GLMs) to actuarial problems, such as claim frequency and severity. Utilizing R and Python to apply Poisson and Gamma distributions, improving the precision of actuarial predictions and pricing strategies.

TECHNICAL SKILLS

- **R Programming:**
libraries: ggplot2, plotly, dplyr, tidyr, data.table, lattice
- **Python:**
libraries: numpy, pandas, matplotlib, seaborn, scipy.stats, sympy, sklearn
- **SQL Matlab Minitab SAS**

CERTIFICATION

- Data Analytics with Python - NPTEL Online Certification Course

REFERENCES

- **Prof. K.K.Kamalja**
Professor,
Department of Statistics, School of Mathematical Sciences, KBC NMU, Jalgaon
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- **Mr. M.C.Patil**
Assistant Professor,
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