DR. RUCHI UPADHYAY

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SKILLS AND EXPERTISE

- Proficiency to work on Microsoft office, SPSS, STATA and collect primary and secondary data, compile and interpret data to develop reports and presentation.
- Able to Work in R, Python for different algorithm and statistical analysis, Data cleaning, manipulation and visualization
- Use SQL Database tools and technique for large set data analysis, charts, graphs and infographics.
- Expertise in development economics, financial economics, qualitative analysis and Ability to apply theoretical research to practical policy recommendations
- Create and maintain spreadsheet, manages data as well as to balance different projects simultaneously
- Able to be thinking critically, writing proficiently, and communicating effectively

EXPERIENCE

- Taught face to face classes as an Adjunct Lecturer at UNCP in 2017 Economic and social issue, Micro and Macro Economics 3 credit hours undergraduate level.
- Work as data analyst in Samarth Enterprise in 2014 to 2016.
- Research Associate in 2011-2013 (ICSSR) under the guidance of Prof. Indira Dutta, Central University of Gujarat,
- **Key achievement** Published total 9 research articles in national and international journals and 5 international and 3 national conference presentations.

PROJECTS

- **Ph.D. Project on Analysis of microfinance: A group-based credit program** • The research aim to analysis the trends and patterns of microfinance programmes and its impact on empowerment. The study reveals that microfinance programme has been successful in diversifying the economic activities.
  Technology, Statistics, and econometrics tool used - Descriptive statistics, Hypothesis test, multistage Sampling, classification, multiple regression model, parametric and non-parametric tests like, ANOVA, Chi-Square test, t-test, z-test, sign test.
- **The research project on 'An Evaluation of Development Policies for Tribal in Andhra Pradesh and Gujarat, India.'** The report is an in-depth study of the economic scenario, the problems faced by the tribal and critical analysis of government development policies in tribal areas in India.
  Technology and software used MS Excel, and SPSS and STATA, Classification.
- **Bank Loan Risk Analysis** • This project aims to develop a basic understanding of risk analytics in banking & financial services. I was able derive insights using the data to

minimize the risk of losing customers / business while increasing profit. • Performed EDA on large unstructured data.

Technology used python, EAD, Data Visualization Data Cleaning
Libraries Used: Pandas, NumPy, Seaborn, Matplotlib

- **Income Prediction Using Census Data** • This project aims to predict an adult income based on census data.
Technology used: Python, EDA, Feature Engineering, Feature Selection, Model Selection (XGBoost, SVC, Logistic Regression, Random Forest, KNN, AdaBoost)
libraries used:Pandas, NumPy, Seaborn, Matplotlib, scikit-learn

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EDUCATION AND CREDENTIALS

CENTRAL UNIVERSITY OF GUJARAT, Gandhinagar, Gujarat, India   Dec 2016
M.Phil.- Ph.D. in Economics

MAHARAJA SAYAJIRAO UNIVERSITY, Vadodara, Gujarat, India   May 2010
Master's in Economics course included mathematical economics, qualitative methods, econometrics, banking and finance, insurance, micro and macroeconomics, Development Economics, international trends, and public finance.

GUJARAT UNIVERSITY, Ahmedabad, India   May 2008
Bachelor's in Economics, Minor Statistics

PROFESSIONAL DEVELOPMENT AND TRAINING

- Naresh IT – Data Science ML/AI 2021
- Udemy – SQL Bootcamp • Udemy – Tableau 2020
- ICSSR Training for SPSS, STATA, Statistical analysis, Research methodology and Computer Application in 2011
- Academic writing, critical strategy and publication workshop in 2015

TEQNICAL SKILLS	OTHER SKILLS
PROGRAMMING LANGUAGES PYTHON SQL R **FRAMEWORKS & LIBRARIES** PANDAS NUMPY, MATPLOTLIB , SEABORN SK LEARN **ANALYTICAL TOOLS** - MICROSOFT EXCEL, SPSS, STATA, TABLEAU	- Multi Project Management - Analytical Thinking and Writing - Active Learning - Teamwork - Machine learning - Leadership skill