

RISHI RAJ POUDYAL

+1(405)780-5232|rishi.poudyal@okstate.edu|<https://linkedin.com/in/rishi-poudyal>|<https://public.tableau.com/profile/poudyal>
<https://github.com/menukarishi>

SUMMARY:

- Proficient in using R, Python, SAS, Tableau to help businesses to make data-driven decisions
 - Enjoy working in a team in a collaborative environment
 - Always looking for new challenges and solving them giving 100% effort
-

EDUCATION

Master of Science: Management of Information System
Oklahoma State University, Stillwater, OK

Expected Graduation May 2020

Grade: 3.9/4

Master of Science: Physics

Graduation Dec. 2008

Tribhuvan University, Kathmandu, Nepal

Grade: 3.2/4

Bachelor of Science: Physics, Mathematics and Chemistry

Graduation Oct 2006

Tribhuvan University, Biratnagar, Nepal

Grade: 3/4

TECHNICAL SKILLS

Languages: English, Nepali, Hindi

Programming languages: Java, SQL, R, Python, SAS

Analytic Modules: Tableau, MS Excel, NumPy, Pandas, SciPy, Scikit-learn, Stata

Data Tools: SQL Developer, SQL Server, MySQL, Oracle, SAS Studio, SAS Enterprise Guide, SAS Enterprise Miner

Software/OS: Visual Studio, PowerPoint, Jupyter Notebook, Windows, Mac OS, KNIME

PROFESSIONAL EXPERIENCE

Teaching Assistant/Research: Spears School of Business, Oklahoma State University

Aug 2019-May 2020

- Assist Professor by doing descriptive analysis of survey data collected from employees working for different companies in Vietnam about the use of the Internet of Things (IoT) using visualization tool, Tableau.

- Graded students' work, and proctored their exams

Data Analyst: United Academy, Kathmandu, Nepal

Feb 2010-Aug 2015

- Kept students' progress reports. Helped to make business decisions

Physics lecturer: Living Stone Higher Secondary School, Kathmandu, Nepal

Jun 2014-Jul 2015

- Taught Physics to undergraduates, assigned homework, graded assignments, and instructed and graded lab work

Managing Director: Peace Point Higher Secondary School, Kathmandu, Nepal

Jun 2009-Sept 2015

- Performed different activities like a mid-term, final-term, graduation ceremony, parents-teacher interaction, different curriculum activities, cultural programs and so many as indicated in the school's calendar

- Made students' progressive report biannually and reported to the board of directors
-

RESEARCH AND PROJECTS

Predict Injury Severity Using Risk Factors in Automobile Crashes.

Oct 2019-Dec 2019

- Developed six machine learning models (Decision Tree, ANN, SVM, NB, LR and RF) in KNIME platform
- Vehicle age, body type, and airbag seemed to cause the most effect in risk of high severity
- Odds of getting high injury severity was 5.4 times more if the car had disabling damage

Employee Turnover Rate (HR Analytics)

Jun 2019-Aug 2019

- Using Qualtrics Surveyed 100 employees by setting a questionnaire about their intention to leave and analyzed their responses

- Found a proper amount of paid time off could help to reduce the turnover rate of the employee

- Found significant differences in intention to leave between married and unmarried employees

Suicide Rate Overview From 2010-2015

Jan 2019-May 2019

- Using Tableau, visually analyzed the data of Suicide Rate Overview worldwide from 2010-2015

- Studied which demographic groups were mostly affected by Suicide, visually

Predicting the severity of traffic accidents

Jan 2019-May 2019

- Created the algorithm in R for severity prediction using Ordinal Logistic Regression Model and Decision Tree

- Studied the severity of traffic accidents by weather, road conditions, and seasons of the year

CRM for Wellness and Recreation Center:

Sept 2018-Nov 2018

- Constructed a normalized database for CRM system using E-R modeling and Normalization technique

- Implemented the database constructed, using SQL Server, MySQL. Manipulated database and developed reports using SQL Server Reporting Services