

SALFO BIKIENGA, PhD

Data Scientist at Antuit.ai Inc.

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PhD in Statistics and in Economics with advanced knowledge of Natural Language Processing. Strong background in economics, econometrics, and statistics. 7+ years of experience working with data, teaching statistics at undergraduate and graduate levels; and working as a Data Scientist for a consulting firm. Deep theoretical and practical knowledge of descriptive and predictive modeling.

RESEARCH AND PROFESSIONAL EXPERIENCE

- (1) Developed web applications and visualization tools that tell a “story” focused on insights conducive to forecasting models improvement.
- (2) Applied topic modeling to demonstrate that political leaders’ consistency over economic issues predict positive economic outcome.
- (3) Applied Variational Bayes methods to create a Supervised Topic Modeling Algorithm that improves topics predictive power.

PROJECTS

- (1) Maintain a blog: <http://www.salfobikienga.rbind.io/>
- (2) Built Shiny Web Applications for exploratory data analysis:
 - (1) <https://bbr-cba-unl-human-capital.shinyapps.io/MyShiny/>; (2) https://salif.shinyapps.io/topic_context/
- (3) Built a big data missing values and outliers detection tool, combined with a missing data imputation method, for time series data.

TECHNICAL SKILLS

Machine Learning: Classification, Clustering, Natural Language Processing...

Statistical Methods: Design of Experiments, Latent variables models such as: Principal Component Analysis, Factor Analysis, Canonical Correlation Analysis, Structural Equation Modeling, Partial Least Squares Modeling.

Econometrics: Time Series Analysis, Panel or Longitudinal Data Analysis, Quasi-Experiment Methods, Regression Methods such as: OLS, Logistic Regression, Quantile Regression...

Software and Programming Languages: R programming, Python, SAS, SQL

EDUCATION

University of Nebraska-Lincoln

- PhD in Economics and in Statistics

Fall 2010-Fall 2018

Thesis Topics: Leadership and Economic Growth: A text Analytics Approach

Community College of Allegheny County – University of Pittsburgh

- Non-Degree training

Fall 2007-Spring 2010

University of Ouagadougou

- Master of Science in Economics – 2006
- Bachelor’s in business administration with a minor in Economics – 2004

Fall 2000-Spring 2006

Coursera Certifications:

Using Databases with Python, Using Python to Access Web Data, Introduction to Big Data...

TEACHING

- Introduction to Statistics for Business Students (6 Semesters)
- Math Bootcamp for Graduate Students (2 sessions)
- Applied Multivariate Statistical Analysis (1 semester)

LANGUAGES

Write, read, speak fluently in English and French.

REFERENCES

Professor Matthew Cushing (PhD advisor in economics); email: mcushing1@unl.edu; phone: 402-472-2323

Professor Kent M. Eskridge (PhD advisor in Statistics); email: keskridge1@unl.edu; phone:

402-472-7213