

ENDALE B ALTAYE

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 Web Page: endalebaltaye.github.io (Detail information provided)

EDUCATION

Bowling Green State University (BGSU), Bowling Green, OH	May 2016
Master of Science in Business Analytics	
Norwegian University of Science and Technology (NTNU), Trondheim, Norway	Aug. 2010
Master of Science in Mathematical Statistics	
Hawassa University, Hawassa, Ethiopia	July 2006
Bachelor of Science in Applied Statistics	

WORK EXPERIENCE

Consultant / Coach

Center for Business Analytics, BGSU; Bowling Green, OH January – May 2016

- I had applied **text analytics** and **evaluation analytics** on the first task that I received from client. This task was followed by providing **Multivariate Multiple Linear Regression Analysis** for other client to do predictive analytics. On the most recent one, I had applied **Path Analysis** in combination with **Multivariate Analysis of Variance (MANOVA)** to meet the objectives that our client were having.

Maths and Stat Coaching Center, BGSU; Bowling Green, OH August 2014 – May 2016

- Coaching Business College students who struggle with Mathematics and Statistics (Center Coordinator Jan-May 2016)

Business Analyst

Eastman Chemical Company, Kingsport, TN May 2015 – August 2015

- Applied advanced predictive analytics including **classification**, **rare observation detection** using **local outlier factor** and **Z-score** for supporting the audit team.
- Prepared interactive platform for each reports using an open source data visualization tool, **R Shiny**.
- Training an open source **R** package for selected Auditors
- Attended webinars and Seminars on Data Visualization

Department Head of Statistics Program

Hawassa University, Hawassa, Ethiopia July 2013 - July 2014

- Had used **Advanced Analytics** to evaluate the Modular Curriculum Implementation in Hawassa University: with a focus on Intentions, Practices, Challenges and Opportunities.
- Worked on Statistical Analysis of Risk Factors Causing Road Traffic Accidents in Ethiopia, The Case of Addis Ababa - Hawassa High-way Drivers.
- Administered and Coordinated students and staff members
- Coordinated Statistical package trainings across the region

Assistant Coordinator of Mathematical and Statistical Modeling Project

Hawassa University, Hawassa, Ethiopia

Sept. 2010 - July 2014

- Collaborated with Professors from NTNU and University of Oslo
- Coordinated MSc in Mathematical and Statistical Modeling students
- Trained Master students Latex, Beamer and R software

SKILLS

- Statistical Packages expert level (R, SAS, SPSS, MINITAB and STATA)
- Data wrangling and cleansing, Data visualization and Predictive Analytics using R
- Unstructured data (Text) Analytics
- Data Visualization using TABLEAU
- Data Visualization using Power BI
- Relational Database Operation and SQL
- Basic skill Level
 - SAS Visualization
 - Python
 - jupyter notebook
 - Notepad++
 - HTML5

AWARDS & HONORS

WINNER of James A. Sullivan Award

By Department of Applied Statistics and Operation Research at BGSU in recognition for superior scholarship and demonstrated participation, leadership and service to the Department and the professions of Statistics and operations research, May 2016.

WINNER of 2015 BGSU Business Analytics Case Competition

- Over 37,000 bank client's information analysed during whole summer 2015 beginning April.
- Applied 5 Statistical and Machine learning models to predict potential subscribers.
- Applied kmean clustering to do Market Segmentation for marketing campaign.
- Nominated to be among the top 3 to present at the '2015 Best Practices in Business Analytics Symposium in October 2015 at BGSU' and finally won the competition.

Master's degree CGPA 3.85

PUBLICATION

Endale B Altaye, (2012). "Approximate Recursive algorithm for finding MAP of binary Markov random fields," Proceeding of the 8th World Congress in Probability and Statistics, Istanbul, Turkey