**Fahzy Abdul Rahman**

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QUANTITATIVE ANALYST | STATISTICIAN

Highly analytical data analyst with in-depth knowledge of statistics; database; research methodologies; complex survey; and data capture, curation, and manipulation. Relied on as an expert in report mechanization and automation, survey development, predictive modeling, and statistical modeling.

PROFESSIONAL EXPERIENCE

**AT&T, Dallas, TX**  11/2016 – present

*Advanced Analytics Analyst*

Global Marketing Organization (GMO)

* Providing comprehensive analytic marketing research for groups in marketing and business planning for brand loyalty & awareness and global brand projects.
* Analyzing data from various sources, including primary survey research, internal business information, and external data sources.
* Setting up SAS Enterprise Miner, Teradata, R, data API, stratified sampling file, shared network, SharePoint, and other software programs for data collection, manipulation, analysis, and reporting.
* Designing complex, large-scale data sets used for modeling, data mining, and research - by data searching and merging.

**AT&T, Dallas, TX**  07/2014 – 10/2016

*Research Fellow*

External and Legislative Affairs (E&LA) Organization

* Data Cleaning Mechanization
* Contributed to the (Corporate) Giving Data (about 20K transactions) surpassing the goal of reducing Giving Data “review process by 50%” - the team achieved 85% - with improved accuracy. This greatly speeds up the transaction review process from 2-3 weeks to 2-3 days. This was achieved by incorporating data matching to historical giving data, logical conditions, statistical predictive analysis, macro-like SQL functions, and SSRS reporting.
* Conducted predictive analysis using Logistic Regression to predict correct coding in R with data in the SQL Server. Predictive success rates for different models range from 90% to 99.5%.
* One-Masterfile Data Utilization
* Transitioned Philanthropic and Corporate Giving datasets in various Excel and SQL files to one Giving Data Masterfile in SQL server for a one-source data reference, space saving, and more efficient reporting.
* Championed the ODBC to (SQL) Server utilization from Excel and R for Pivot tables, dashboard reporting, and statistical analysis.
* Efficient and Thorough Corporate Giving Reporting: Provided Board of Director's Report vetting support and compliance.
* Extracted queried data and producing reports from complex, large data sets using Pivot Table, VLOOKUP, Excel Data Mining, SQL Server Management Studio and SAP BW.
* Designed and implemented automation of data gathering and mining.

**New Mexico State University, Las Cruces, NM** 03/2009 – 07/2014

*Family Resource Management Extension Specialist*

* Promote family financial wellness programs for county educators to adopt
* Conducted statistical analyses on health and wealth programs
* Develop surveys and evaluate programs. E.g. Google Analytics.

**The Ohio State University, Columbus, OH** 03/2006 – 02/2009

*Research Associate I*

Center for Human Resource Research

Main Project: Consumer Finance Monthly (CFM) Survey

* Maintained a complex survey on consumer financial wealth and behaviors
* Conducted statistical analysis while incorporating complex survey properties using SAS, Stata, and Excel
* Communicated with interviewers on improvements of interviewing styles

**The Ohio State University, Columbus, OH** 06/2004 – 08/2004

*Data Analyst*

Student Wellness Center

Main Projects: (a) Assessment and Evaluation of Wellness Programs and (b) Grant Application

* Improved statistical methods on the effectiveness of prevention programs
* Secured a $2,000-grant from the National Association of Student Personnel Administrators, (with C. Boehm)

**The Ohio State University, Columbus, OH** 09/2002 – 03/2006

Department of Consumer Sciences

* Taught *Consumer Behavior* course for four quarters
* Graded assignments for *Retirement Planning & Employee Benefits* course

EDUCATION

**Nanodegree, Data Analyst, Udacity, 2018**

**Ph.D., Consumer Economics, Ohio State University (OSU), 2008 GPA: 3.71/4.0**

Dissertation: *The Demand for Physical Activity: An Application of Grossman's Health Demand Model to the Elderly Population*

**M.P.H., Biostatistics, Ohio State University, 2005 GPA: 3.56/4.0**

Practicum: *Alcohol and Tobacco Prevention Program in OSU*

Report Title: *Analysis of Gasoline and Gasohol in Iowa*

**M.S., Economics, Minor: Economics, Iowa State University, 2001 GPA: 3.51/4.0**

Report Title: *Analysis of Gasoline and Gasohol in Iowa*

**B.Sc., Psychology, Economics (double major), Iowa State University, 1999 GPA: 3.64/4.0**

COMPUTER SKILLS

* Statistical and visualization tools: SAS, Stata, SPSS, R, SQL, Excel, Python, Tableau
* Survey Management: Qualtrics, SurveyMonkey, Google Form, Qualtrics, Survey Suite
* Website Management: HTML
* Geospatial: Google Maps, GIS ArcView
* Social Media: Google Analytics, Facebook, Twitter

MODELING & ANALYSIS

|  |  |
| --- | --- |
| * Linear Regression Model * Logistic Regression Model * Multinomial Logistic Analysis * Survival Analysis * Tobit Regression Model | * Longitudinal Analysis * Simultaneous-Equation Model * Complex Survey Statistical Analysis * Simulation and Imputation Techniques * Econometrics (Intermediate) |