

Michael McGee

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SUMMARY | Tenured restaurant manager with years of experience in leadership, developing cost analysis programs, tracking guest satisfaction and business financials, utilizing data from POS and inventory systems to create detailed reports. Skilled in analyzing and communicating metrics to executives, colleagues, and staff to drive operational efficiency and enhance customer experiences. Recognized for meticulous attention to detail, and the ability to manage complex projects. Certified in various data analysis courses and eager to apply my skills to drive business insights and strategic decisions.

OBJECTIVE | To leverage my extensive experience with data and leadership in a dedicated data analyst role, supporting data-driven decision-making and strategic planning in a dynamic organization. Seeking a challenging position where I can apply my proficiency in Python, R, SQL, and other analytical tools to deliver actionable insights and contribute to business growth.

SKILLS & ABILITIES | **Programming Languages:** R, Python, SQL

Data Visualization: Tableau, ggplot2, Matplotlib, Seaborn, Flexdashboard

Data Analysis: Exploratory Data Analysis (EDA), hypothesis testing, linear and logistic regression, classification algorithms, gradient boosting

Software & Tools: Github, Jupyter, VS Code, R Studio, MySQL, Shiny Apps, Numpy, Pandas, Tidyverse, Scikit-learn, XGBoost

Soft Skills: Leadership, project management, communication, teamwork, problem-solving, attention to detail

CERTIFICATIONS | **Google Advanced Data Analytics** | *Google* - Machine Learning, Statistical Modeling, Python

Google Data Analytics | *Google* – EDA, Data Visualizations, Excel, SQL, R

Data Analysis with R | *Duke University* – Statistical Analysis, Hypothesis Testing, R

Data Visualization & Dashboarding with R | *Johns Hopkins University* – Interactive Dashboards, R

PROJECTS | [Watershed-Properties-Analysis](#) 

Description: Conducted an in-depth real estate analysis to assess the potential financial impact of converting long-term rental properties into short-term rentals. Provided strategic recommendations for optimizing cash flow and profitability based on a \$500,000 initial CAPEX budget.

Tools & Process: MySQL, Tableau, Excel
Accessed and retrieved data from MySQL databases on current long-term rental properties. Created entity relationship diagrams and relational schemas to understand data structure. Performed exploratory data analysis (EDA), nightly rental forecasting, variable cost forecasting, and occupancy rate forecasting. Analyzed CAPEX, cash flow, and profit/loss projections to determine the financial viability of property conversions. Developed a comprehensive white paper and Tableau dashboards to present findings and recommendations, ensuring data-driven decision-making for property investments.

PROJECTS | [CoT-Report-Viewer](#)

Description: Developed a dynamic and customizable table to analyze 30 years of historical derivatives data from the Commodity Futures Trading Commission (CFTC), making it user-friendly and easily accessible for financial analysts and market enthusiasts.

Tools & Process: *R, Shiny, gt, tidyverse, data.table*

Aggregated data from CFTC reports, cleaned and preprocessed it using reproducible R scripts. Created dynamic report tables with the *gt* package and integrated them into a Shiny app for enhanced interactivity. Overcame challenges related to the *gt* package's newness by thoroughly studying its documentation.

[World-Bank-Demographic-Dashboard](#)

Description: Created an interactive global demographics dashboard to visualize and analyze demographic data from the World Bank, covering 217 countries from 1960 to 2021.

Tools & Process: *R, Shiny, flexdashboard, plotly, tidyverse, maps*

Collected and wrangled data from the World Bank's World Development Indicators Data Bank. Implemented Shiny and flexdashboard to develop an interactive dashboard, allowing users to navigate demographic data across different countries and years. Used plotly to create interactive visualizations such as population growth models, age group distributions, age dependency rates, and rural-urban population ratios. Ensured the dashboard was user-friendly and informative, providing valuable insights into global demographic trends.

[Behavioral-Risk-Factor-Surveillance-System](#)

Description: Analyzed data from the Behavioral Risk Factor Surveillance System (BRFSS) to answer key research questions related to health practices and risk behaviors. The study was conducted by the CDC in 2013 across all US states, the District of Columbia, Puerto Rico, and Guam, involving approximately 490,000 participants.

Tools & Process: *R, RMarkdown, ggplot2, tidyverse, HTML, CSS*

Collected and processed data from the BRFSS dataset. Conducted exploratory data analysis (EDA) and performed correlation analysis to uncover relationships between variables. Utilized conditional probabilities and Bayes' Theorem to answer research questions such as the probabilities of home ownership given income and education levels, the influence of property values on home ownership, and the correlation between seat belt usage and vehicle fatality rates. Developed an HTML report using RMarkdown with CSS to present the findings with detailed visualizations and analysis.

[IMDb-Rating-MLR](#)

Description: Conducted a comprehensive multiple linear regression analysis to predict IMDb movie ratings based on various features, providing insights into factors that influence movie popularity and ratings.

Tools & Process: *R, RMarkdown, lm, ggplot2, HTML, CSS*

Collected and cleaned movie data from IMDb, ensuring data quality and consistency. Performed exploratory data analysis (EDA) to understand data distributions and relationships. Applied multiple linear regression to model these relationships, evaluating the model's performance using residual analysis and goodness-of-fit metrics. Developed an HTML report using RMarkdown customized with CSS to present the findings with interactive visualizations, making the results accessible and easy to interpret.

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EXPERIENCE | EXECUTIVE CHEF | ASAHI RESTAURANT CORP

MAY 2020 - PRESENT

EXECUTIVE CHEF: Balanced creative menu development with practical cost controls to bring high quality unique items to guest experiences. Worked closely with team to collaborate and foster an atmosphere of pride and teamwork. Maintained profitable food costs on menu items during economic inflation by syncing invoice price fluctuations with menu cost conversions.

EXECUTIVE CHEF & BEVERAGE MANAGER | TALK OF THE TOWN RESTAURANT GROUP

DECEMBER 2018 – MAY 2020

EXECUTIVE CHEF: Trained management in inventory control and portioning, created a company-wide recipe and menu costing program. Conducted precise inventory analysis to maintain targeted food costs, utilizing data to drive operational decisions.

BEVERAGE MANAGER: Coordinated staff training with local wine representatives, analyzed sales data to optimize inventory and enhance profit margins. Implemented data-driven strategies to improve guest relationships and staff performance.

GENERAL MANAGER & PRIOR POSITIONS | SMOKEY BONES BAR & FIRE GRILL

APRIL 2014 – OCTOBER 2018

GENERAL MANAGER: Reconciled monthly P/L statements, identifying areas for financial improvement through detailed data analysis. Scheduled maintenance and inspections based on data trends to minimize operational disruptions.

BAR MANAGER: Implemented cleaning schedules and trained staff on new menu items, driving weekly alcohol variances from 8% to 1% using data monitoring, and management protocols.

KITCHEN MANAGER: Communicated all food cost control efforts as well as labor cost control action plans. Conducted weekly food cost inventory. Managed all weekly food purchase orders.

SERVICE MANAGER: Created a local sales marketing team, increasing revenues by targeting businesses using sales data to identify key opportunities.

EDUCATION | KEISER UNIVERSITY | DAYTONA BEACH, FL

BACHELOR OF SCIENCE IN FORENSIC INVESTIGATIONS | MAY 2017

ASSOCIATE OF SCIENCE IN CRIME SCENE TECHNOLOGY | JUL 2015

- Cumulative GPA: 3.82/4.0
- Honor Roll
- Dean's List
- Perfect Attendance