Robert F. Nicholson

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Motivated and experienced data and financial analyst helps organizations solve data and financial problems. Analytical thinker with the ability to mine hidden gems. Capable of turning dry analysis into an exciting story that drives business-critical decisions. Proven strengths of improving, enhancing and building world class financial operations will contribute to a company's increased profitability. Extensive experience in financial modeling, business case analysis, analysis, business process improvement, and risk management.

TECHNICAL SKILLS

- Python Programming, Matplotlib, Pandas
- RESTful APIs using Python Requests
- Tableau, Power BI & JavaScript library for visualizations and reporting
- Data mining & web data scraping
- Advanced Microsoft Excel , VBA
- Machine learning
- Risk management and analysis including sensitivity analysis and Monte Carlo simulation

- SQL, NoSQL, Mongo, PostgreSQL, pgAdmin
- Extract, Transform & Load (ETL) process
- Web data scraping using Chrome Developer Tools, Beautiful Soup, Splinter & Mongo
- Front-end web data visualization & geo-mapping
- Intermediate Statistics
- SAP, Oracle & Right Angle training and experience

PROJECTS

- **Employee Database**: Built employee database using SQL by applying data modeling, engineering and analysis skills. I prepared an entity relationship diagram (ERD) Used PostgreSQL and pgAdmin to write SQL scripts to build tables, add joins between tables, import data from CSV files, and write custom reports.
- **World Weather Analysis:** Used Python, Jupyter Notebook and the city PI module to get data on more than 700 cities then requested on the open weather map API and retrieved the JSON weather data from these cities. Added the weather data to the Panda's dataframe. Used Matplotlib to create a series of scatter plots to show key relationships. Completed a series of statistical calculations. Exported the data, cleaned it and used the weather data to choose the best cities for a vacation and mapped these.
- **School District Analysis**: Used Python, Anaconda, Jupyter Notebook, and Pandas library. Created and activated a development environment for the project. Inspected csv files containing data on the school district; cleaned the data; created and merged dataframes; filtered the data for specific analyses; and developed reports for the school board.
- **PyBer Analysis**: Using Python, Panda's libraries, Jupyter Notebook and Matplotlib performed exploratory data analysis, created visualizations, wrote scripts to create a variety of charts to tell a compelling story about the data.
- **Movies ETL**: Implemented the data pipeline process Extract, Transform and Load (ETL) to provide a clean data set for my team. Extracted the data sets from two sources, transformed it into one clean data set and loaded that data into a SQL database. Used Python and Pandas to perform data wrangling, and PostgreSQL to store the finished data.
- **NYC Bikesharing**: Used Tableau to create powerful analytical dashboards that are visually appealing and easy for a non-technical audience to understand. This was for potential investors for a similar service in another city.
- **Credit Risk Analysis**: Used supervised machine learning models from Imbalanced-learn and Scikit-learn libraries and Python to predict credit risk. I employed different techniques to train and evaluate models with unbalanced classes.
- **MechaCar Statistical Analysis**: Used R and RStudio to perform multiple linear regression analysis; collect summary statistics; ran t-tests; and designed a statistical study.

PROFESSIONAL EXPERIENCE

COOPER TIRE & RUBBER COMPANY, Findlay, Ohio   **Feb 2021 - Present**
Senior Financial Analyst – Financial Planning & Analysis
Consolidate & report operations data from all plants globally, capex reporting & analysis from all business units, assist with the authorization request (AR) process including reviews & lookbacks, and the operations page of the Cooper scorecard. Also support the Transformation Management Office.
- Complete weekly and monthly reporting of global plant operations to the Executive Leadership Team (ELT).
- Complete monthly consolidation of global capex actuals and reporting to ELT and assist in forecasting.
- Provide review and recommendation of ARs to Finance Leadership Team & CFO prior to Project Review Board and represent Finance on the AR Review Committee, providing feedback on each AR.
- Coordinate the AR lookback process including review of analysis and recommendations.

MARATHON PETROLEUM COMPANY LP (NYSE: MPC), Findlay, Ohio   **Jul 2013 – Oct 2020**
<u>**Senior Financial Analyst – Investment Analysis & Leasing**</u>   Aug 2015 – Oct 2020

Developed and/or reviewed financial analysis for major capital projects, contractual commitments, and acquisitions. Prepared greater than $5 million capital and commitment authorization requests for senior management and board of directors (BOD). Engaged with operating organizations and business development to thoroughly evaluate opportunities and provide appropriate sensitivities to decision makers.

- Delivered results in taking assumptions from business partners and translating those into financial models that provided consistent project economics using discounted cash flow models and other valuation methods.
- Prepared authorization requests for senior management and BOD approval that encompassed all lines of business including acquisitions, divestitures, expansions, and major internal capital expenditures.
- Business partners included Refining, Marketing, Light Product Supply & Logistics, Crude Oil Supply & Logistics, Business Development, Midstream Logistics & Storage, and Asset Development.
- Became subject matter expert on Crystal Ball / Monte Carlo analysis, using the tool for risk and project analysis.
- Developed MPC cash flow forecasting model using Monte Carlo analysis to improve risk management.
- Completed Tableau training and using SQL and Tableau developed reporting for process improvements.

<u>**Senior Financial Analyst – Commercial Credit**</u>   Jul 2013 – Aug 2015

Executed effective risk management activities to protect MPC's investment in accounts receivable (AR) and minimize bad debt losses. This included all credit related activity for the bulk, cargo sales and export of refined products, crude oil and feedstock trading, and derivatives classes of trade and worked with appropriate business units to manage our corporate risk with our customer base. Managed AR to ensure account balances are accurate and current.

- Responsible for over $400 million in average AR including reviewing customer financial statements at least annually, recommending and implementing credit lines, resolving disputes, and collecting past dues.
- Incurred no bad debt losses. Further, took action on key risk accounts including rescission of credit lines and obtaining additional security to properly manage risk.
- Part of the export sales team that grew exports by 38% compound annual growth.
- Assisted on Project Endeavor as Subject Matter Expert for Commercial Credit for ERP Right Angle implementation for crude oil, natural gas and LPGs.
- Developed reports using SQL and Power BI to lead business improvement, root cause analysis and cost reductions.
- Best in class practices team completed and presented our review. This included current and industry trends, benchmarking/peer comparison and recommendations.
- Developed and implemented process improvements including a security tracking system and fundamental report from multiple legacy systems that provided credit lines and exposure prior to ERP implementation.

COOPER TIRE & RUBBER COMPANY, Findlay, Ohio   **Dec 2007 – Jul 2013**
<u>**Divisional Credit Manager**</u>

Executed effective risk management activities to protect the company's investment in AR and minimize bad debt losses. Worked directly with Customers and Sales Group in the development of new and existing accounts to manage our corporate risk while maintaining the prompt collection of AR. Managed AR portfolio that exceeded $110 million.

- Consistently achieved annual best in class DSO and past due percentages (0.62% in 2012).
- Developed and standardized an underwriting model for establishing and maintaining credit lines that the Credit team used across all North America customers.
- Awarded the Chairman's Award in 2009, the highest company award, for improving cash collections.
- Achieved National Association of Credit Management's Certified Credit Executive (CCE) distinction in 2011.

<u>**PROFESSIONAL DEVELOPMENT**</u>

Tableau Training 2019   Delivering Powerful Presentations, 2017
Oracle Crystal Ball – self-trained 2016-2017   Moody's Credit Training at IECA, 2013
AMA's Effective Executive Speaking, 2012   Crucial Conversations, 2011

<u>**EDUCATION**</u>

- **Certificate⸺Data Analytics Boot Camp, May 2022,** The Ohio State University, College of Engineering
- **Master of Business Administration**, Finance, The Ohio State University, Fisher School, Columbus, Ohio
- **Bachelor of Science in Business Administration**, Economics, University of Dayton, Dayton, Ohio