Tyson Biegler, MSDA

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PROFESSIONAL SUMMARY

Data analyst with expertise in payroll management, financial reporting, and data-driven process optimization. Recently graduated with a Master's in Data Analytics, skilled in advanced Excel, statistical analysis, and generating actionable insights to support business decisions.

WORK SAMPLES

Western Governors University - MSDA Portfolio   **View MSDA Portfolio**
- SQL, Python, R, Tableau, Linear & Logistic Regression, Time Series modeling, Sentiment Analysis.

Real Estate Market Data - Python, SQL, Google Sheets   **View Project**
- Used Python to scrape data from Realtor.com
- Cleaned Data with **Google Sheets** and **SQL**
- Developed KPIs to determine most profitable zip code for investment

Bike Rental Forecasting – R, Meta's Prophet Framework Time Series Modeling   **View Project**
- Built two forecasting models using Prophet to predict Capital Bikeshare rentals in Washington, D.C.
- Enhanced model with temperature, humidity, and holiday variables significantly reduced RMSE
- Recommended integrating weather and holiday data into bike allocation strategy for improved operational efficiency

EDUCATION

- **Western Governors University Master's of Science in Data Analytics - 05/2025**
  - Utilized storytelling techniques to effectively influence, inform, or motivate target audiences.
  - Developed modular scripts using Python and R.
  - Manipulated data effectively using structured query language (SQL) statements, facilitating data retrieval, manipulation, and analysis.
  - Proposed innovative data analytics approaches for resolving complex problems, leveraging data-driven insights to inform decision-making and achieve desired outcomes.
  - Applied logical reasoning skills to address real-world problem-based inquiries.
  - Engineered efficient and scalable data pipeline solutions.
- **Washington State University Bachelor's of Science in Psychology - 06/2014**

TECHNICAL SKILLS

● Advanced Excel	● Tableau	● Statistics
● SQL	● Power Bi	● Python &

WORK EXPERIENCE

Life Discover Counseling

Payroll Administrator / Wordpress Admin - 04/2023 - Present
- Oversee all payroll aspects for three distinct companies, using data analysis to **optimize processes and improve efficiency**.
- Created and maintained numerous complex spreadsheets with **advanced Excel** and **Statistical** formulas, showcasing strong analytical skills and **attention to detail**.
- Developed and deployed automation scripts.
- Regularly generate both scheduled financial reports and **ad hoc** reports, providing valuable insights to company owners and administrative managers through data analysis.
- Track employee performance and implement compensation changes per contractual agreements, requiring careful **data management** and interpretation.

Oregon DHS Stabilization and Crisis Unit

Direct support crisis specialist - 02/2018 - 08/2021
- Facilitated problem-solving techniques with persons affected by a crisis.
- Data and insights were obtained and incorporated into the EHR system.
- Created, maintained, and analyzed an Excel-based inventory system, using **trend analysis** to advise on goods ordering, showcasing my proficiency in data analysis and **forecasting**.

Western Psychological and Counseling Services

Office Support Lead Staff - 06/2016 - 02/2018
- Managed onboarding of clinicians and training of front-office workers.
- Handled large-scale **data entry**, converting paper documents to digital.
- Developed an Excel dashboard to track **KPIs**, improving intakes by 30%.