



PORTFOLIO.

Stephanie Sadowski

Senior Statistical Data Analyst | Learning-Driven Problem Solver

About Me

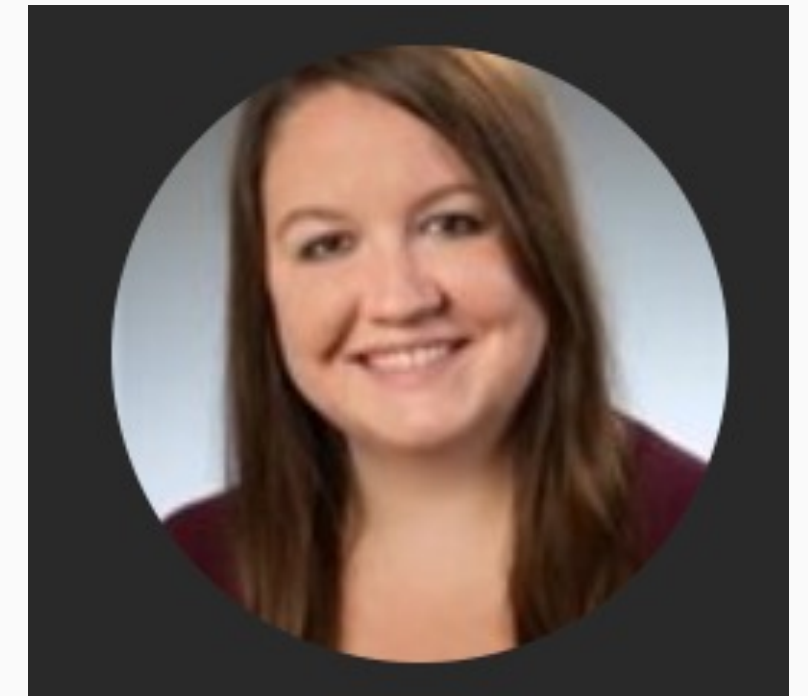
Data Enthusiast | Family-Oriented | Adventure Seeker

I live in **Oberlin, Ohio** with my **husband** and our **two dogs**, who keep us entertained when we're not planning our next travel adventure. There's nothing quite like exploring new places and experiencing different cultures – it feeds my curiosity in the same way that diving into complex datasets does.

When I'm not analyzing data: You'll find me **crocheting** (there's something satisfying about creating patterns with yarn that appeals to the same part of my brain that loves statistical patterns), binge-watching **movies** with my husband, or spending time with family, especially my **nieces and nephews** who always keep me laughing and remind me what's truly important.

What energizes me: Whether I'm untangling a complex statistical problem at work or teaching my nephew a new card game, I'm driven by **curiosity** and the joy of **discovery**. I approach both data analysis and life with the same enthusiasm – always eager to learn something new, solve the next puzzle, or plan the next adventure.

My balance: The combination of **analytical challenges** during the day and creative, **family-focused activities** in the evening keeps me grounded and energized for whatever comes next.



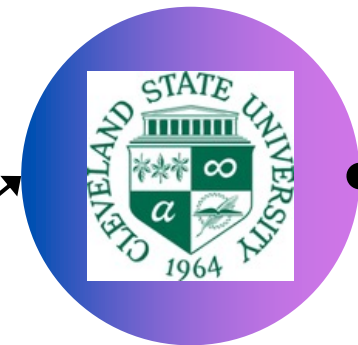
Career Path



2010
Bowling-Green University
*Bachelor of Science in
Biology*



2011 – 2015
Sherwin-Williams
Technician I & II



2014 – 2018
Cleveland State
University
Master of Science
in Chemistry

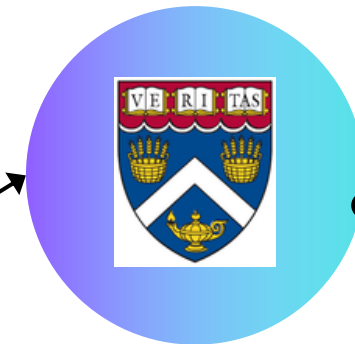


2015 – 2023
Sherwin- Williams
**Associate Chemist &
Chemist I**
*Developing analytical
expertise*

*Design for Six Sigma
Green Belt Certificate*

Chemist II
*Advanced Analytical
Skills*

Senior Chemist
*Expert-level Analytics
Application*



2023 – 2027
Harvard University
*Data Modeling &
Ethics Certificate*

*Master of Science
in Data Science*



**2023 – 2025 &
Beyond!**
Sherwin – Williams
Staff Chemist
*Leading Statistical
Analysis Initiatives*

*Continued Success
& Learning*

Achievements

1

Percy Neyman Award for Outstanding Innovation

8

Figure Cost Reductions

15+

Years Progressive Growth

25+

Professionals Mentored

45+

Analytical Product Improvement Projects

300+

Product SKUs supported by my predictive modeling framework identifying optimization potential

Key Analytical Projects

● Predictive Risk Assessment Platform

Timeline: 2019-Present

Challenge: Need to evaluate risks across multiple product prototypes and prevent costly development issues

Solution: Developed comprehensive risk assessment framework using statistical analysis and predictive modeling

Impact: Enabled proactive risk identification and strategic decision-making for executive leadership

● Real-Time Executive Dashboard System

Timeline: 2022-2024

Challenge: Executive decision-making delayed by days of manual analysis

Solution: Built automated Tableau dashboards providing real-time production and performance metrics

Impact: Transformed decision-making speed from days to instant insights, enabling proactive problem-solving

● Formula Optimization Initiative

Timeline: 2015-Present

Challenge: Optimize product formulations for enhanced performance while reducing costs

Solution: Applied Python and DOE methodologies to systematically improve formula efficiency

Impact: Delivered 8-figure cost reductions while maintaining quality standards across global markets

● Cross-Functional Analytics Program

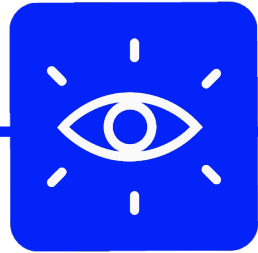
Timeline: 2020-Present

Challenge: Improve data accessibility and talent development across departments

Solution: Championed FAIR data practices and mentored 25+ professionals in statistical methods

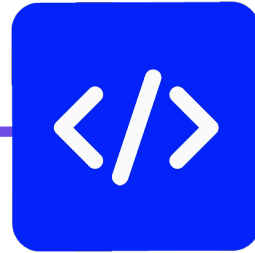
Impact: Enhanced analytical capabilities for 200+ cross-departmental users, standardizing data practices

Technical Expertise & Tools



Visualization

- Tableau
- Power BI
- ggplot2
- Matplotlib/Seaborn
- Excel
- Charts/Pivot Tables
- Dashboard Development
- Data Storytelling
- Executive Reporting
- Self-Service Reporting



Programming & Analytics

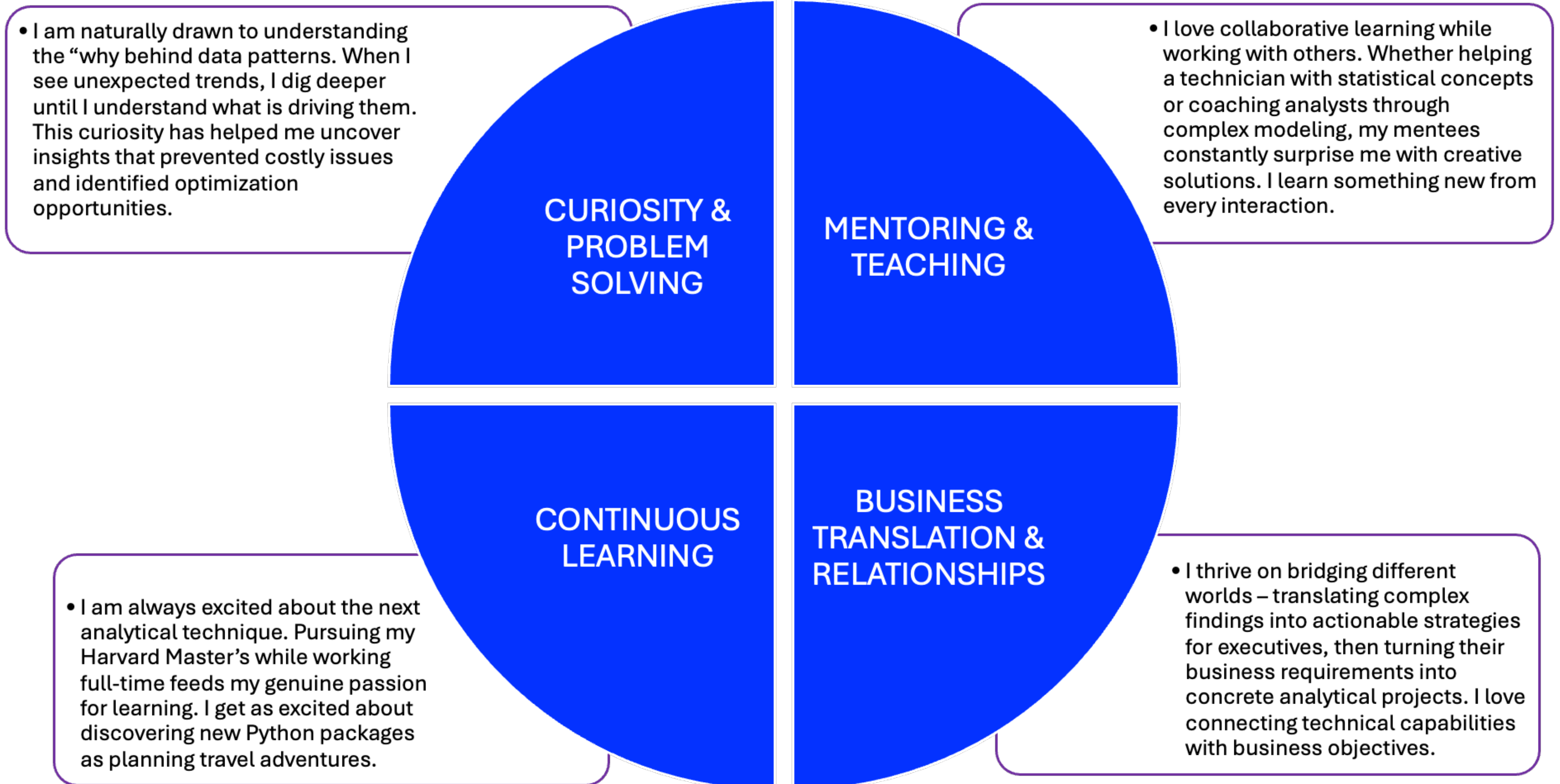
- Python/Pandas/NumPy
- R/dplyr/tidyr
- Scikit-learn/caret
- SQL/SAS
- VBA Programming
- VLookup
- randomForest
- Dataiku
- Minitab



Statistical Methods

- Design of Experiments (DOE)
- Regression Analysis
- Machine Learning
- Time Series Analysis
- Hypothesis Testing
- Bayesian Analysis
- ANOVA
- Six Sigma

Strengths & Proficiencies



Contact Me

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