

# Jeanne Reppert

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[jeannereppert.com](http://jeannereppert.com) | [github.com/jeannereppert](https://github.com/jeannereppert)

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## OBJECTIVE

Accomplished professional, effective communicator, team player, and lifelong learner seeking to leverage my strong problem-solving skills to start a new career as a data analyst.

## EDUCATION

### University of North Carolina, Greensboro

Master of Science in Informatics and Analytics  
August 2019 – May 2021 | GPA: 4.0  
Honors: Phi Kappa Phi Honor Society

### North Carolina A&T University, Greensboro

Post Baccalaureate Studies in Elementary Education  
August 2004 – December 2005 | GPA: 4.0

### Westminster Theological Seminary, Philadelphia

Master of Arts in Religion  
August 1990 – May 1994 | GPA: 3.6

### University of North Carolina, Chapel Hill

Bachelor of Arts in Music and Religious Studies  
August 1984 – May 1988 | GPA: 3.04

## SKILLS

- Programming Languages: R, Python, SQL, and SAS
- SAS Enterprise Miner and Enterprise Guide
- Shiny Dashboard and Power BI
- Statistical programming including univariate and multivariate analysis, functions, loops, data manipulation, and simulations
- Machine learning and analytics in Python utilizing pandas, numPy, seaborn, scikit-learn, and PySpark packages
- Strong team leadership, project management, and communication skills
- Descriptive and predictive analytics with regressions, decision trees, random forest, k-means clustering, neural networks, natural language processing, and sentiment analysis
- Web page development (HTML and CSS)

## PROJECT HIGHLIGHTS (for more project details see [jeannereppert.github.io](https://jeannereppert.github.io))

### Capstone Project: Misinformation and Covid-19 in Popular Health Websites

- Created case study by analyzing web and social media content from three alternative health websites
- Scraped all 2020 articles from websites with rselenium and rvest
- Collected tweets from Massmine, Facebook posts from CrowdTangle, and web traffic data from Semrush
- Performed data cleansing, text mining and sentiment analysis in R for more than 7000 articles, tweets and posts
- Visualized the results with ggplot, wordcloud, igrph, and plotly in R

### Internet of Things Project with Power BI

- Programmed sensors in Arduinos to collect data to send to google sheets with IFTTT applets
- CSV files merged, cleaned, and transformed using in R and visualized with Power BI Dashboard

### World Happiness Data with Shiny Dashboard

- Utilized three datasets from the UN World Happiness survey to clean and visualize resulting data with Shiny Dashboard

### MySQL Project – Animal Rescue Database

- Designed ER diagram for database and used SQL to create database and perform queries on data

### World Happiness Regression Analysis with SQLite3 and Spark

- Cleaned data with pandas, normalized and transformed data with scikit-learn, and visualized results in plotly and seaborn
- Used SQLite to create a database with 6 datasets containing environmental, fiscal, and demographic data for 155 countries
- Used PySpark for regression analysis to determine which variables within the dataset best predicted World Happiness scores

## EXPERIENCE

<b>Graduate Assistant, UNCG, Informatics and Data Analytics Program   Greensboro, NC</b> <ul style="list-style-type: none"><li>Assisted in research in social media and web page analytics</li><li>Scraped, cleaned, analyzed, and visualized data for projects and publications</li><li>Participated in a research group investigating Covid-19 misinformation using case studies and machine learning applications</li><li>Assisted with program development, outreach, and website maintenance</li></ul>	<b>August 2019 – May 2021</b>
<b>Academic Dean and Teacher, Hope Academy   Greensboro, NC</b> <ul style="list-style-type: none"><li>Served as 5<sup>th</sup> – 8<sup>th</sup> grade Humanities teacher and curriculum facilitator</li><li>Held position of Academic Dean in final year</li><li>Tracked, reported, and created visualizations of student performance data</li><li>Trained, mentored, and supervised teaching staff</li><li>Developed and implemented organizational policies</li><li>Designed and implemented curriculum for 5<sup>th</sup> – 8<sup>th</sup> grade core and elective classes</li><li>Selected and supervised assessments in all grades and subjects</li></ul>	<b>August 2012 – August 2019</b>
<b>Classical Conversations Director   Jamestown, NC</b> <ul style="list-style-type: none"><li>Taught Logic, Latin, Literature, Science, Debate, Mock Trial, and Algebra to 8<sup>th</sup> grade homeschool students</li><li>Taught English grammar and writing to 4<sup>th</sup> grade home school students</li><li>Managed all aspects of business processes and student recruitment</li><li>Substitute Teacher for Foundations Classes</li></ul>	<b>August 2007 – May 2012</b>
<b>Teacher, Jones Elementary   Greensboro, NC</b> <ul style="list-style-type: none"><li>Served as interim 4<sup>th</sup> grade English teacher</li></ul>	<b>December 2005 – June 2006</b>
<b>Private Music Instructor   Greensboro, NC</b> <ul style="list-style-type: none"><li>Self-employed piano and violin teacher</li><li>Managed all aspects of business processes and student recruitment</li></ul>	<b>August 1999 – June 2011</b>
<b>Assistant Manager and Buyer, Westminster Seminary Bookstore   Philadelphia, PA</b> <ul style="list-style-type: none"><li>Supervised employees</li><li>Developed database program for store inventory and sales</li><li>Developed and maintained web page and store catalog</li></ul>	<b>August 1990 – August 1995</b>
<b>Clerk, UNC Hospitals   Chapel Hill, NC</b> <ul style="list-style-type: none"><li>Provided clerical support for PT and OT departments and Emergency Department</li><li>Assisted with preparations for JCAHO certification</li><li>Represented department during insurance audits</li><li>Maintained department database for patient billing</li></ul>	<b>June 1988 – August 1990</b>

## VOLUNTEER WORK

<b>Board Member, Hope Academy   Greensboro, NC</b>	<b>August 2019 – Present</b>
<b>Board Member, Early College at Guilford PTA   Greensboro, NC</b> <ul style="list-style-type: none"><li>Served as PTA President for 2012/2013 school year</li></ul>	<b>August 2010 – May 2013</b>
<b>Board Member, Early College Robotics Team   Greensboro, NC</b>	<b>August 2012 – May 2013</b>
<b>MathCounts Coach, Guilford Home Educators   Greensboro, NC</b>	<b>August 2008 – May 2011</b>
<b>Coordinator, Piedmont Regional Science Fair for Non-Public Schools   Greensboro, NC</b> <ul style="list-style-type: none"><li>Supervised and coordinated annual science fair for an 11-county region</li></ul>	<b>August 2009 – May 2012</b>
<b>Board Member, Ayuda Community Center   Philadelphia, PA</b> <ul style="list-style-type: none"><li>Founding member of the Board of Directors</li><li>GED teacher, supervised college and high school interns</li></ul>	<b>August 1992 – May 1995</b>