





## CONTACT

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 [github.com/tdk2c/GitHub\\_Tpolk.git](https://github.com/tdk2c/GitHub_Tpolk.git)

## EDUCATION

**ENTITY Academy x Woz U**  
Data Science Certificate  
2023

**Middle Tennessee State University**  
Bachelor's Degree, Marketing & Business Administration  
2007

## SKILLS

- Statistics
- R
- Data Wrangling & Visualization
- Machine Learning & Modeling
- Data Entry/Database Management
- Python
- MySQL
- NoSQL
- Hadoop
- Tableau
- Looker
- Segment
- Amplitude
- R Studio
- Jupyter Notebook

# Tasha Polk

## CAREER PROFILE

Aspiring data analyst with training in all aspects of collecting, translating, visualizing, and drawing insights from complex sets of data to help solve organizational problems and challenges.

## DATA SCIENCE PROJECTS

**ENTITY Final Project: Video Games and Mental Health** – This project sought to answer the question of whether or not video games have a positive effect on gamer's mental health? The data analysis found positive correlations suggesting people with high levels of social phobia were able to perform everyday tasks easier if they were a gamer.

## WORK EXPERIENCE

**Provider Network Specialist**  
United Healthcare

**July 2019 to Present**

- Uses pertinent data and facts to identify and solve a range of problems encompassing medical claims, and client contracts.
- Investigates and reconciles non-standard requests and problems.
- Provides explanations and information to others on topics such as claims processing issues and complex resolution tactics.

**Provider Network Specialist**

**August 2018 to June 2019**

Healthscope Benefits

(acquired by United Healthcare in July 2019)

- Created and maintained provider contracted rates and demographics for both internal and external PPO networks; reconciled discrepancies.
- Utilized Microsoft Excel/Access to format incoming data files based on internal standards.
- Collaborated with IT and Provider Relations to load, research, and update internal provider network data utilizing Cactus and HealthAxis systems.

**Insurance and Pricing Coordinator**

**April 2015 to January 2017**

American HomePatient

- Maintained the insurance payer master file for the organization and updated management weekly on progress of work plan action items.
- Evaluated payment trends to determine accuracy of reimbursement and pricing files.
- Communicated discrepancies and worked with respective parties to reconcile differences.
- Developed IT requirements to implement or improve processes with Accounts Receivable Manager to increase productivity overall.

**Provider Service Representative/  
Eligibility Analyst**

**January 2015 to April 2015  
September 2014 to January 2015**

Cigna Healthspring

- Developed and maintained relationships with assigned healthcare providers in a database of over 50,000 providers and maintained associated data.
- Researched reasons behind denied/delayed claims processing; Provided details and tracking for claims reimbursement.
- Researched recouped payments and provided detailed reasons for recoupment with 95% accuracy.
- Maintained member demographic updates/eligibility and membership revalidations in a timely manner.
- Researched and responded to eligibility inquiries by working the MAS Mailbox and Call Tracker/MSM requests.
- Ensured all enrollment eligibility was reconciled and maintained to business and legal standards.



# DATA SCIENCE PROJECT SAMPLES

## ANALYSIS RESULTS



## DATA WRANGLING

The raw data was loaded into Python via Jupyter Notebook. Before I could analyze the data, the data needed to be wrangled.

There are over 50 columns. I didn't need every column to analyze the data.

I decided to measure/analyze the data listed under these columns:

**GADE** (The ability to game and do normal tasks like going to work),  
**GAD\_T** (Level of Anxiety), **Hours** (Hours Played),  
**SWL\_T** (Life Satisfaction), & **SPIN\_T** (Social Phobia)

## ANALYSIS RESULTS

- Independent Chi-Square Analysis
- Steps to get my data ready:
  - I recoded my columns into categorical variables, dropped any columns not used in my analysis, removed any missing data, and conducted a contingency table.
  - After conducting the Chi-Square for 4 different variable scenarios:
  - All 4 tests have values that are less than 0.05, I will accept the Hypothesis

## QUESTION?

Do video games have a **positive** effect on mental health symptoms?

OR

Do video games have a **negative** effect on mental health symptoms.

To answer this question, I will conduct an analysis using the raw data from the site below.

ORIGINAL STUDY BELOW:

<https://www.kaggle.com/datasets/divyansh22/online-gaming-anxiety-data>

<https://osf.io/vnbxk/>