

ANDREW INGRASSIA

Skills

- SQL (PostgreSQL)
- Python (NumPy, SciPy, Seaborn)
- Tableau
- Microsoft Excel
- Dashboards
- Relational Databases
- Data Analytics
- Data Visualization & Storytelling

Projects

EXPLORING GLOBAL HAPPINESS – Python | Tableau

August 2023

- Cleaned, integrated, and analyzed nine years of World Happiness Report data to uncover trends and insights
- Employed Principal Component Analysis (PCA) to identify and rank key variables influencing happiness scores
- Developed and trained a linear regression model (MSE: 0.28, R2: 0.78) for accurate happiness score predictions
- Discovered that "Freedom" is the most impactful variable, accounting for 43% of the variance

INSTACART BASKET ANALYSIS – Python | Excel

July 2023

- Cleaned and merged four data sets associated with orders, products, departments, and customers
- Answered questions from marketing and sales teams (such as busiest days of the week, busiest hours of the day, most loyal customers, etc.)
- Discovered differences in user ordering habits based on various characteristics (such as region, income, family status, loyalty status, etc.)

ROCKBUSTER STEALTH – PostgreSQL | Excel | Tableau

June 2023

- Conducted data analysis for a fictional movie rental company's online video service launch
- Utilized SQL for complex queries, identifying top revenue-generating factors for strategic decision-making
- Used the results of my analysis to make recommendations to the BI department

Professional Experience

PAINTING BUSINESS OWNER – Mint – Saint Louis, MO

September 2014 - Present

- Operate a successful residential painting business, specializing in top-quality interior painting and fine finishing
- Manage end-to-end operations, overseeing sales, marketing, bookkeeping, production, and logistics to ensure seamless project execution
- Cultivate lasting customer relationships through exceptional service, resulting in a substantial 95% of business generated via word-of-mouth referrals

MEDIC – Missouri Army National Guard – Saint Louis, MO

April 2009 - April 2017

- Provided medical care and support to the members of my unit
- Awarded the "Army Service Ribbon" as well as the "National Defense Service Medal"
- Honorably discharged in 2017

Education & Certifications

DATA ANALYTICS CERTIFICATE – CareerFoundry – Berlin, Germany

September 2023

BACHELOR OF ARTS IN CHRISTIAN MINISTRY STUDIES – Lindenwood University – Saint Charles, MO

May 2011