Justin De Angel

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- https://github.com/jpdeangel

EDUCATION

EASTERN UNIVERSITY – St. David, PA
Master of Science in Data Science
Projected Graduation – December 2023

WESTERN GOVERNORS UNIVERSITY – Salt Lake City, UT
Bachelor of Art in Special Education
February 2021

SKILLS

Programming: (Python, R, SQL)
Software: (Excel, MATLAB)
Visualization: (Tableau, D3.js, Bokeh, gglplot, PowerBI)
Databases: (MySQL)
Analytical Techniques: (Machine Learning, Regression Analysis, Clustering, Data Modeling, Data Querying, Statistical Methods (t-test, ANOVA test, linear regression), Database Design)
Other: (Big Data Technologies/Environments – Hadoop, Spark)

EXPERIENCE

CENTER FOR ASSESSMENT AND LEARNING   **Burlingame, CA (Remote**
Education Therapist/Psychometrist   *January 2022 – Current*

- **Assisted in scoring 200+ standardized assessments, contributing to the timely diagnosis and treatment of students.**
- **Participated in 3 large-scale projects involving data collection and analysis, impacting over 1,000 students across multiple districts.**
- **Cleaned and prepped datasets comprising 10,000+ data points for analysis, reducing errors by 25%.**
- **Created 15+ data visualization reports, improving the accessibility of findings for educators and policy-makers.**

EPISCOPAL DAY SCHOOL OF SAN MATEO   **San Mateo, CA**
Learning Specialist   *September 2022 - June 2023*

- **Collaborated with administration on 20+ cases regarding student accommodations, contributing to 15% improvement in individual student performance.**
- **Analyzed and interpreted psycho-educational evaluations for over 50 students, leading to personalized academic support.**
- **Conducted training sessions for 10+ faculty members on interpreting psycho-educational evaluations, improving overall faculty effectiveness by 20%.**
- **Engaged with students of 5+ diverse backgrounds, effectively supporting an inclusive educational environment.**
- **Served as a liaison between the school and 6 external service providers, ensuring seamless communication and support for students.**

AMPLUS ACADEMY   **Las Vegas, NV**
Special Education Teacher   *February 2021 - January 2022*

- **Independently developed and implemented instruction plans for 20+ high school students with Autism, leading to an average of 15% improvement in academic skill assessments.**
- **Facilitated the integration of 5 students into resource classrooms, improving social skills and academic performance.**
- **Conducted 10+ vocational assessments and provided targeted instruction, contributing to a 30% increase in student vocational skills.**
- **Led whole-class instruction in a general education elementary classroom for 3 months, maintaining an average class performance increase of 15%.**

PROJECTS

SQL Project: Analysis of Bitcoin Data Trends (2014-2022)

https://github.com/jpdeangel/bitcoin_data/blob/main/bitcoin_data.sql

December 2022

- **Objective**: Conducted comprehensive analysis of Bitcoin data spanning from April 2014 to December 2022 to uncover key metrics and trends.
- **Data Management**: Created a structured database table from a CSV file containing variables like transaction date, price in USD, code size, number of transactions, and more. Validated and confirmed data integrity, ensuring it was clean and ready for analysis.
- **Key Queries & Insights**: Calculated the significance of code size relative to the number of transactions to understand mining difficulty trends. Analyzed the daily cost of transactions based on median transaction fees. Compared average transaction value to median transaction value for insights into the distribution of transactions. Calculated the average Bitcoin price from 2014 to 2022, revealing long-term price trends. Computed the total number of transactions over the study period for a broad market activity snapshot. Isolated the maximum market capitalization of Bitcoin to date. Determined the average daily number of tweets about Bitcoin to gauge public interest.
- **Technologies Used**: SQL for data querying, CSV for initial data storage.
- **Results**: Generated actionable insights for understanding market behavior, transaction costs, and public interest in Bitcoin. Derived metrics including average price, total transactions, maximum market cap, and average daily tweets.