Marrion Yna Macandog

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WORK EXPERIENCE

Microsoft via Troy Consulting •02/2022 - Present
People Science Research Analyst

- Deliver key insights regarding employee experience for internal stakeholders and thought leadership, as measured by 2-4 research projects per quarter and ad-hoc requests, by conducting statistical analysis, such as A/B testing, correlations, group mean differences, and linear models, on robust internal data using Python and R
- Completed 90% of analysis requests from consultants earlier than deadline by prioritizing tasks, being agile, and exhibiting self-directed project management
- Build tables for analysis using people data from over 1,000 global clients ranging from small, mid-market, and enterprise by querying large relational datasets and conducting data cleaning and manipulation on Databricks and Azure Synapse using PySpark and SQL while maintaining high data integrity through quality testing
- Collaborated with people analytics stakeholders, product teams, and consultants on question item generation on a monthly market research survey consisting of over 900 global participants, as well as led analysis and documentation and reporting

SDSU Research Foundation •07/2021 - 01/2022
Research Assistant III

- Lead over 25 field data collection events to collect, categorize, and track tobacco product waste in randomly selected blocks throughout San Diego County to supplement the center's research supporting policies to decrease tobacco product waste
- Provide weekly project updates and ad-hoc progress reports for the center's directors, develop visualizations of waste collection progress on Tableau to provide monthly updates on the website and social media
- Create, document, and adopt protocols for field data collection events, and manage over 3,000 ongoing geospatial observations collected using ArcGIS online, QuickCapture, and Survey123

EDUCATION

Master Of Science In Big Data Analytics • San Diego State University • 05/2023
Bachelor Of Arts In Psychology • California State University Fullerton • 01/2022

PROJECTS

Hospital Mortality Classification Analysis
Used data science and machine learning methods to classify patients' diagnosis severity with datasets of over 6 million observations: bdagroup10.wordpress.com
Random Dish Generator
As a food enthusiast, I created this generator to find new recipes to try. Includes recipes from popular food blogs and national dishes parsed from Wikipedia: marrionmac.github.io/project/recipegenerator.htm

SKILLS

Pyspark, ArcGIS, Python, SQL, APIs, HTML/CSS, R