

ADRIENNE

MOK

SENIOR DATA ANALYTICS SPECIALIST



CONTACT

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SKILLS

LANGUAGES

SAS, SQL, R, Python, C++,
HTML/CSS, JavaScript, VBS, DAX

VISUALIZATION TOOLS

SAS Viya, Power BI,
Tableau, ArcGIS/ESRI

DATABASE SYSTEMS

SAP, HANA, Hadoop, Azure

OFFICE

Excel, Access, Visio, PowerPoint,
Word, Outlook

EDUCATION

JOHNS HOPKINS

MS - Data Science
2018 - 2022

UNIVERSITY OF CALIFORNIA, LOS ANGELES

BS - Mathematics of Computation
2014 - 2018

PROFILE

Highly motivated and detail-oriented individual with over 7 years of experience in data analytics. Experience working closely with stakeholders to understand their business needs and help them make data-driven decisions operationally. Adept at providing innovative solutions to translate big data into actionable insights through the use of data visualization and various programmatic approaches (SAS, R, Python, HANA, etc.).

EXPERIENCE

SENIOR DATA ANALYTICS SPECIALIST SOUTHERN CALIFORNIA EDISON | 2020 - PRESENT

Integrated business knowledge and technical expertise to translate business requirements into actionable insights using programming languages, such as SAS, R, Python, and SQL and visualization tools, such as SAS Viya and Power BI

- Led the adoption of Power BI as a new visualization tool, advising on best practices and acting as a subject matter expert
- Developed a seamless interface between Power BI and HANA that leverages dynamic M query parameters to pass the user's input into a direct query of HANA tables with results refreshed instantaneously
- Decreased processing time of large datamarts by migrating queries to HANA
- Created the concept of a "Chart Builder" functionality in dashboards that advances the vision of self-service analytics by allowing users to customize insights to fit their needs
- Increased efficiency in reporting by developing fully automated programs using a combination of SAS, R, Python, and SQL
- Eliminated pain points in covered conductor reporting by establishing the first datamart that consolidates information from various systems of record, effectively transforming a manual and time-consuming process prone to error to an entirely automated process that refreshes daily

PREDICTIVE ANALYTICS/DATA SCIENCE SPECIALIST SOUTHERN CALIFORNIA EDISON | 2018 - 2020

Devised innovative solutions to create efficiencies in workflow processes and mobilized the idea of advanced analytics in the workplace

- Developed complex R scripts to query data directly from REST APIs, granting individuals access to weather data every 10 minutes and allowing them to make critical decisions during Public Safety Power Shutoff events
- Conducted spatial analyses by visualizing data in ArcGIS/Esri
- Created interactive dashboards in SAS Visual Analytics and Power BI to allow the business to easily interpret the results from various predictive models
- Incorporated statistical analyses into dashboards, including forecasting, trend analyses, correlation analyses, regression, and control charts, to allow the business to understand key drivers behind performance

TECHNICAL SPECIALIST SOUTHERN CALIFORNIA EDISON | 2018

Developed complex SQL queries to efficiently manipulate large datasets with millions of rows

- Decreased processing time by over 99% by developing a completely automated stored process that accepts input from users

ANALYTICS & REPORTING INTERN SOUTHERN CALIFORNIA EDISON | 2017 - 2018

Streamlined reporting by developing automated processes using VBScripts and SAS programs, eliminating the manual nature of monthly reporting and allowing users to access reports daily

SUPPORT ASSISTANT NGUYEN & MOK MEDICAL GROUP | 2010 - 2014

Helped clinic manage its daily operations using Access, R, and Excel by assisting with record management/data validation and creating informative visuals to help drive decisions