

# Nelson Kwan

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**Data Analyst - Financial Analyst - Business Analyst**

SQL - Business Economics - Data Visualization

## EXPERIENCE

### Business Immigration Analyst

April 2022 – May 2023

*Fragomen, Del Rey, Bernsen and Loewy LLP*

*San Francisco, CA*

- Implemented streamlined data collection strategies and conducted rigorous data cleaning and validation procedures to uphold the accuracy and integrity of immigration data sets, leading to a significant 27% improvement in processing time
- Conducted in-depth data analysis and A/B test evaluations to identify user behavior trends, optimize reporting strategies, and provide actionable business insights while upholding data security and confidentiality standards
- Collaborated with cross-functional teams including analysts, attorneys and business stakeholders to translate data requirements into scalable BI solutions, enhancing data accessibility and reporting accuracy
- Generated comprehensive reports and summaries of immigration cases for the collaboration of internal and external stakeholders, emphasizing key metrics such as business objectives achievement, challenges faced, and processing time analysis

### Desktop Technician

Sept. 2021 – Feb. 2022

*Sutter Health*

*San Francisco, CA*

- Leveraged advanced Microsoft Excel to track and manage Windows 10 software deployment across the Bay Area Sutter Network, ensuring accuracy and efficiency in system rollouts

## PROJECTS

### Excel to Power BI : YouTube Portfolio Project 2024 | source from <https://www.kaggle.com/datasets>

- Leveraged SQL Server Management Studio (SSMS) for comprehensive data cleaning and testing of the Top 100 USA YouTuber dataset, including row and column count checks, data type consistency checks, and duplicate elimination, ensuring data quality and integrity
- Designed and developed interactive dashboards using Power BI, incorporating DAX measures, data tables, color-coded tree maps, bar charts, and scorecards to visualize engagement metrics and enhance self-service data exploration
- Validated findings through Excel analysis workbooks and SQL queries, including total subscriber analysis, total video analysis, total views analysis, and net profit analysis, ensuring accuracy and consistency across platforms
- Provided actionable insights to stakeholders by analyzing KPI metrics, engagement rates, potential audience reach, and ROI projections for various campaign types, supporting data-driven decision-making

### Toman Bike Share - Data Project 2024 | source from <https://www.kaggle.com/datasets>

- Performed data validation protocols using advanced SQL techniques such as UNION, aggregate functions, IN statements, CASE statements, CAST, SUBSTRING, and GROUP BY
- Designed and developed interactive dashboards using Power BI, incorporating DAX measures, data tables, color-coded tree maps, bar charts, slicers, matrix visuals, line and clustered column charts, and scorecards to visualize engagement metrics and enhance self-service data exploration
- Designed a comprehensive dashboard displaying revenue and profit distribution, sales metrics, revenue trends, demographic insights, seasonal patterns, and lifetime trends
- Conducted exploratory data analysis (EDA) to uncover hidden patterns, correlations, and outliers, contributing to more informed decision-making and feature engineering

### SQL and Tableau Data Exploration for Covid Data 2024 | source from <https://ourworldindata.org/covid-deaths>

- Conducted in-depth analysis of a COVID death dataset, evaluated death percentages (min, max, and avg values) and calculated infection rates aggregated by location and date. Demonstrated expertise in advanced SQL techniques such as PARTITION BY, joins, CTEs, views, date functions, and regular expressions
- Revamped SQL datasets to build an interactive Tableau dashboard with dynamic bar charts, graphs, trendlines, and geospatial maps, incorporating comprehensive data visualization elements such as mortality and vaccination rates, alongside a sophisticated forecasting model highlighting infection severity across countries with color-coded clarity

## EDUCATION

### University of California, Davis

Davis, CA

*Bachelor of Science in Managerial Economics w/ an Emphasis in Business Economics*

*2020*

## SKILLS AND ACCOMPLISHMENTS

### Certifications

- Google Data Analytics Professional Certificate
- Brandon Southern Analytics Mentor

### Technical Skills/Tools

- SQL, PostgreSQL, MySQL, Microsoft SQL Server, SQL Server Management Studio (SSMS), Google Cloud SQL, Tableau, Power BI, Microsoft Excel, Python, Pandas, NumPy, Matplotlib, Seaborn, Google Sheets, R