**Haoming (Cody) Chen**

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[linkedin.com/in/haomingchen1998](https://linkedin.com/in/haomingchen1998) |[github.com/HaomingChen1998/Portfolio-Project](https://github.com/HaomingChen1998/Portfolio-Project)

**EDUCATION**

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| **Queens College** | Queens, NY |
| Bachelor of Arts in Economics | May 2022 |
| * GPA: 3.22/4.00 |  |
| * Departmental Honors | Spring 2022 |
| * SEEK Program Star Performer | March 2017 |

**SKILLS**

**Computer:** Microsoft SQL Server Management Studio, R studio, Tableau, Microsoft word, PowerPoint, Excel.

**Languages:** bilingual in Mandarin and English

**Portfolio Project**

**SQL Data Cleaning**:

* Found data source from [data.cityofnewyork.us](https://data.cityofnewyork.us/) and used “Housing New York Units By Build” data.
* Used standardize date format.
* Populated property address data based on unique columns using **ISNULL** and **SELF TABLE JOIN** because there are null values for the column “Property Address”.
* Broke out an entire address into individual columns (address, city, state) using **SUBSTRING** and **CHARIDEX**.
* Removed duplicates using **CTE** and **PARTITION** BY based on row numbers.

**SQL Exploration Query**:

* Found data source from [ourworldindata.org](https://ourworldindata.org/covid-deaths%20) and used “Coronavirus (COVID-19) Deaths” data.
* Found out global numbers (sum of total death over sum of total cases), total population vs vaccinations, death percentage, total death count, percent population infected.
* Demonstrated skills such as **TEMP TABLES**, **TABLE JOIN**, and **CTE**.

**Tableau Dashboard**:

* Transformed the above SQL exploration query into pivot tables, graphs with trendlines, and maps with darker color indicating its severity in terms of infected population percentage per country.

**Excel Dashboard**:

* Cleaned the data by removing the duplicates, then selected the data that I wanted to use for the dashboard and create pivot tables and graphs with trendlines.
* Found out the total cases per date, total death per date, and sum of GDP per date.

**R-Studio**:

* Analyzed how a person’s weight are under the influence of gender, age, standing height, waist circumference, upper arm length, and upper leg length.
* Utilized and explained concepts on assumptions of linear regression, random sampling, sample variation in the explanatory variable, zero conditional mean, F-test, and T-test.

**WORK EXPERIENCE**

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| **Consultant Intern** | Tailor-made by PAULINE | August - December 2021 |

* Formulated a dynamic pricing strategy based on the concept of screening by creating a questionnaire tailored for 9 screening inputs between the age of 20 to 48 years old.
* Collected data information with effective use of Microsoft Excel and utilizing 3 pivot tables, Excel formulas, and 3 Excel graph designs.
* Summarized and presented research outputs by leveraging Microsoft PowerPoint functions and incorporating appropriate graphs and charts to facilitate data visualization to show the relationship between the spending amount on different quality of services and age for tailored-made clothing.
* Convinced the founder of the company to use my approach for finding the pricing strategy due to the concept behind the tailored questionnaire and the potential to attract more buyers by using this information.

**ACTIVITIES**

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| Elementary School Tutor|Little Genius Academy | March - June 2015 |

* Helped 20 elementary students with their homework and provided clarification with course objectives.
* Improved students' English reading and writing skills and fostered summarizing ability within classrooms.