



Yingying Cheung

Data Analyst | Building Management

PROFILE

An adaptable and self-motivated data analyst, with 6 years working experience of building utility data analytics, as well as building management in the Hong Kong government. Passionate in condensing large data into a simple to understand behind story.

Strong teamwork and dedicated to achieving the career goal. Currently seeking a position which can utilize and apply data analytics skills into the development of sustainable and green buildings.

CONTACT

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SKILLS

- Data analytics, Data visualization, Statistics modeling, ETL Process
- Tools: Python, Seaborn, Tableau, Excel, VBA, Flask, HTML, CSS, JavaScript
- Databases: PostgreSQL, MySQL, MongoDB, Git

EDUCATION

- **Boot Camp Certificate**, UC Berkeley Extension, Berkeley, CA, USA, 2022
- **Master in Housing Management**, University of Hong Kong, Hong Kong, 2018
- **B.Sc in Applied Physics**, Hong Kong University of Science and Technology, Hong Kong, 2009

PROFESSIONAL EXPERIENCE

Data Analyst, 2022

- Preprocess data in very large .csv files., Employ multiple popular Python libraries such as Pandas, Seaborn, and Matplotlib to analyze data and visualize results. The outcome of the project helps PyBer improve access to ride-services and determine affordability for underserved neighborhoods
- Using pandas to extract data from different sources such as json and csv files, then transform it into one clean data set by using regular expressions and Pandas' function, and finally load that data set into a SQL table. It provides Amazing Prime Video with a clean dataset of movies for a hackathon which asks participants to predict the popular movies

Liaison Officer, Home Affairs Department, Hong Kong, 2012-2018

- Perform building utility data analytics to support building's construction plan and energy efficiency audit
- Supervise building energy efficiency subsidy programs and respond to management assistance enquiries from building stakeholders
- Coordinate multiple parties including government, district representatives, construction companies to collect building energy consumption and utility data, as well as construction information
- Lead the public affairs team to organize seminars and educate public on improving building energy efficiency and minimizing environment impacts
- Prepare building planning and construction reports to support the decision-making of the building portfolio management for the Hong Kong government

REASERCH WORK

A Study of Sustainable Building Design and Occupants Productivity in Swire Properties, 2017

- How sustainable facility management in workplace benefit the corporation efficiency and business variability
- How can 3Ps (People, Planet, and Profit) be fitted into sustainable building design
- How sustainable building design affects the productivity
- Empirical studies on ISO14000 series, LEED (Leadership in Energy and Environmental Design), BREEAM (Building Research Establishment Environmental Assessment Method)

A Case study on sustainability performance in a public rental housing estate in Hong, 2017

- What do the Hong Kong Government do in reduction of Carbon Emission in public housing
- Environment awareness in public housing
- Suggestions in promoting electric vehicles and energy efficiency

A Case study on Building Services in a large-scale residential property and its Club House, 2017

- Mechanical Ventilation and Air-Conditioning System (MVAC)
- MVAC heat pump system for indoor swimming pool
- Electrical and extra low voltage (ELV) system
- Fire services system and plumbing and drainage system