

WILSON KAM KAI YIP

Data analyst with code-based experiences. Fluent in both `Python` and `R`. Fast learner. Exploring opportunities in the UK, does NOT require visa sponsorship.

EXPERIENCE

Feb, 2021-
Jan, 2022

City University of Hong Kong

Research Assistant (Data Analytics)

- Perform **NLP analytics** to fit **topic models** and summarise collections of documents.
- Analyse the relationships and correlations from the ***n*-gram networks**.
- Data extraction from various sources using **Selenium** and various **APIs** (including Google APIs).
- Apply various machine learning model including **logistic regression**, **random forest**, **k-means**, **neural network** and more.
- Perform **imputation** on missing values and **outliers detection**.
- **Data visualisation** of the analytics result using **ggplot**, **plotly**, **shiny**, **matplotlib**, **seaborn**, and more.

Sept, 2017-
Current

HKJC Centre for Suicide Research and Prevention, HKU

Research Assistant (Data Analytics)

- Writing **Packer** *template files* to deployed **virtual machines** on **Azure** and setting up **MongoDB** and various applications on **Linux servers**.
- **Extract, transform, and load** data from various sources into the in-house databases.
- Design **API specifications** for vendors.
- Perform statistical analysis, including ***t*-test**, **χ^2 -test**, **ANOVA**, **linear regression**, **PCA** and more.
- Applying regression model for count data, including **poisson regression** and **negative binomial regression** models.
- Carry out **network analysis** on the ecosystem of social enterprises, identify the **centralities** of the nodes and conduct **community clustering** on the ecosystem.

ACADEMIC PUBLICATION

2019

Co-Creation of a Suicide Prevention Video and Its Impacts.

Cheng, Q., Shum, A.K.U., Ip, F.W.L., Wong, H.K., **Yip, W.K.K.**, Kam, A.H.L., Yip, P.S.F.

<https://doi.org/10.1027/0227-5910/a000593>

EDUCATION

2014-
2017

University of Hong Kong

Bachelor of Science

Major: Mathematics/Physics

Minor: Computational and Financial Mathematics

CONTACT INFO

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🌐 <https://github.com/wilsonkkyip/>

SKILLS

Data Analytics

Python 🐍 ●●●●○

R 📊 ●●●●○

TensorFlow ⬆ ●●●○○

MATLAB ⬇ ●●●○○

Infrastructure As Code

Chef Infra 🍳 ●●●○○

KitchenCI 🍳 ●●●○○

Vagrant 🐘 ●●●○○

Packer 📦 ●●●○○

Cloud Service

Azure 🍀 ●●●○○

AWS 🍀 ●●●○○

Miscellaneous

Linux Bash 🐧 ●●●○○

Ruby 📌 ●●●○○

JavaScript 📄 ●●●○○

Google Script 📄 ●●●○○

VBA 📄 ●●●○○

Administrative

Microsoft Office 📄 ●●●●○

Markdown 📄 ●●●●○

L^AT_EX ●●●●○

LANGUAGES

English: Fluent

Cantonese: Native

Mandarin: Fluent