### Visual Analytics on the Pandemic Recovery Situation of Hong Kong

**Project objectives:**

**As one of the world's most significant financial centers and commercial ports, Hong Kong's recovery situation from the epidemic can, to some extent, reflect the global impact of the Covid19. To measure the recovery vitality of Hong Kong, we focused on three key indicators: office vacancy rates, public transportation ridership, and retail spending** **[1].** **By analyzing the above data, we will draw conclusions and recommendations on the recovery situation.**

**Datasets :**

1. **office vacancy rates:**
   1. **data source:** **https://data.gov.hk/sc-data/dataset/hk-rvd-tsinfo\_rvd-property-market-statistics**
2. **public transportation ridership:**

**https://data.gov.hk/sc-data/dataset/hk-td-tis\_17-monthly-traffic-and-transport-digest-csv**

1. **retail spending:**

**https://data.gov.hk/sc-data/dataset/hk-censtatd-tablechart-mrs/resource/a84f1d51-db68-4cac-b92a-7f7dc6cfbd86**

**Methodology**

**Tableau**

**Plotly and dash**

**Tasks**

1. Datasets collection and preprocessing：10.17
   1. **office vacancy rates：N**
   2. **public transportation ridership：N**
   3. **retail spending：N**
2. Dataset Integration Visual Analytics：N
3. In-class discussion preparation：10.24
4. Web dashboard：10.31
5. **Conclusions and recommendations,** demo presentation：11.19
6. Final Work & Indivdual/Group Report：11.27

[1] K. Chapple, M. Leong, D. Huang, H. Moore, L. Schmahmann, and J. Wang, "The death of downtown? Pandemic recovery trajectories across 62 North American Cities," 2022.