



HKU COVID-19 Digital Archives

<https://covid19.lib.hku.hk>



HKU COVID-19 Digital Archives

by K. M. Ku

Library

(Project No.: KE-SI-2022/23-98)

Strategic Theme(s):

Health and Medical Technologies

Use of IT in Education



Foreword

- This project aims to collect, preserve and provide access to the digitally born records relating to the COVID-19 created by The University of Hong Kong. A designated Digital Archives that serves as a centralised repository of all HKU produced digital materials including electronic scholarly articles, publications, research data and media presentations in audio-visual formats. Other records of major HKU-sponsored activities such as the LYH Community Vaccination Centre and the LoveULoveHK initiative will also be included.
 - This project will try to cover all outputs from all departments, faculties and administrative units as extensive as possible. The final digital platform will serve as public access point and will be searchable and be accessible by local and international communities within the allowance of copyright and privacy ordinance.
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Follow HKU Warriors Footsteps

Join Their Mission
Across 50+ Locations!

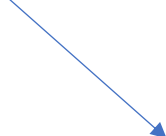
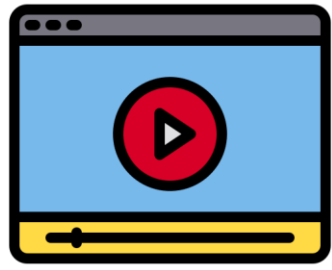


Overview

Discover HKU COVID-19 Digital Archives

Data Processing Flow Diagram

Web/data scrapping



Extract Information



Summarize text



NER

Digital Archive System



YouTube, WikiData, PubMed, DOI API

Visualization & Stories

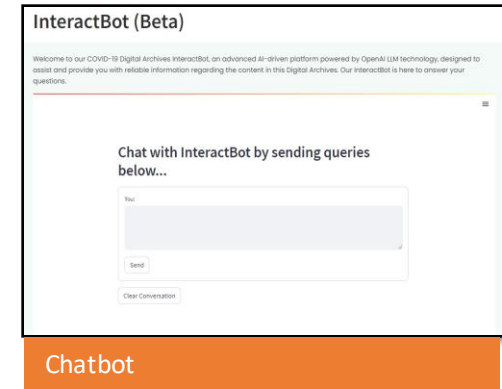
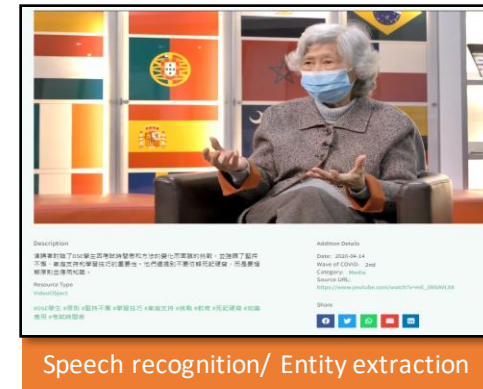


AI Approach

1 Application of Large Language Models, powered by OpenAI and Microsoft Azure

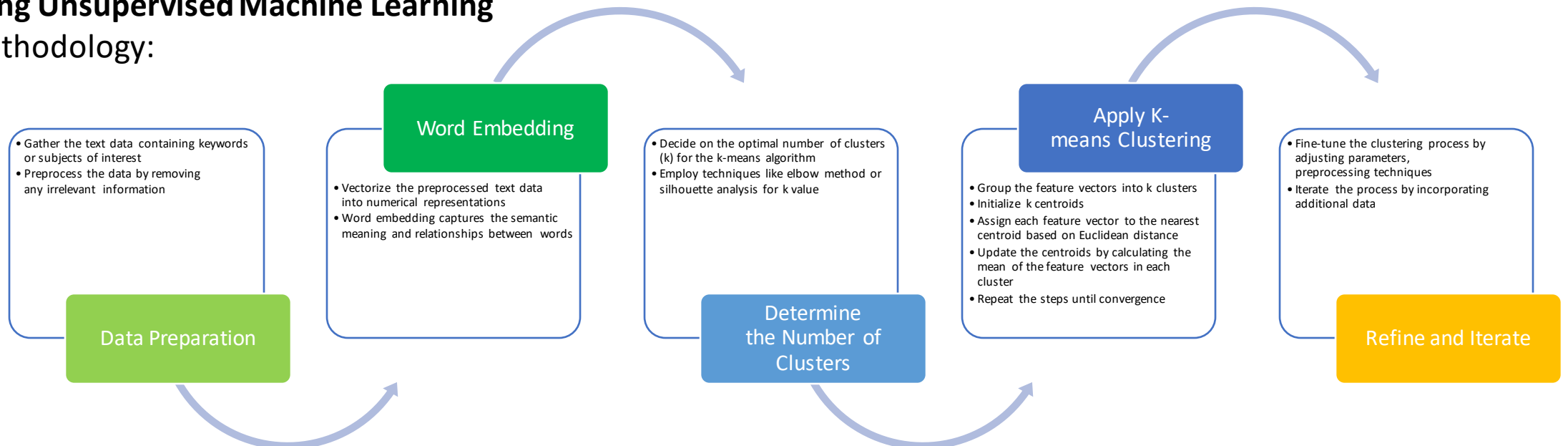
Tasks can be performed:

- Text and entity extraction, text summarization
- Speech recognition
- Chatbot



2 Application of K-means clustering for keyword/subject clustering using Unsupervised Machine Learning

Methodology:



Video on Facebook, Instagram and Web sites



HKU rose to the challenge

via Research, Teaching & Public services

00:29 / 02:39

Reach to general public



1,286 views 433

138 likes 135



https://www.instagram.com/reel/CwFIU3Sv1_x

<https://www.facebook.com/hkulib/videos/273199135452566/?mibextid=zDhOQc>

Users

600

Event count

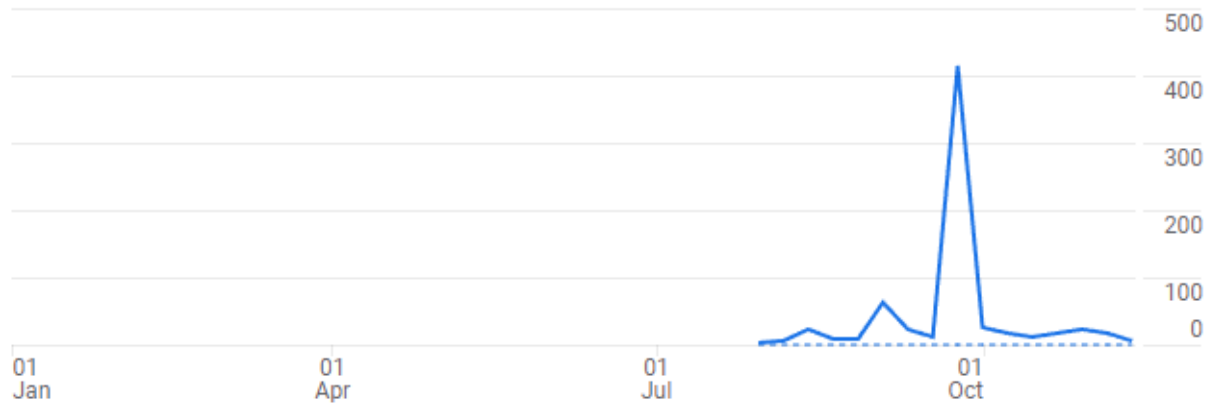
22K

Conversions

0

Views

9.3K

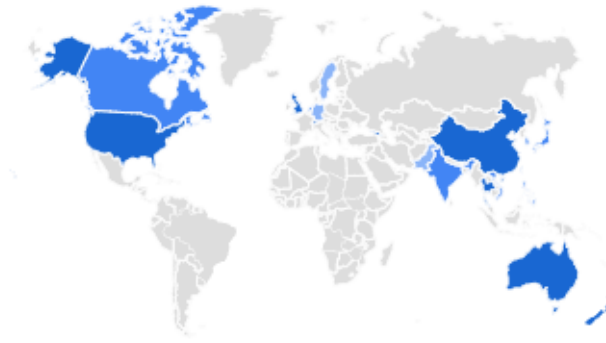


— This year (Jan - Today) - - Preceding period

This year (Jan - Today) ▾

[View reports snapshot](#) →

Users ▾ by Country ID ▾



COUNTRY	USERS
Hong Kong	520
United States	23
China	14
Australia	8
United Kingdom	6
Thailand	5
Switzerland	3

Last 12 months ▾

[View countries](#) →

(Knowledge Exchange activities record and photos)



 **Senate Library Committee**
on 31-Oct

 **HKDI Sharing**
on 19-Dec-2023

 **Sharing session for HKLA members**
on 23-Feb-2024

Members of VTC Group VTC 成員



HKDI & IVE(LWL)
Learning Resources Centre
學習資源中心

AI UNVEILED: UNDERSTANDING THE ESSENCE AND IMPACT OF ARTIFICIAL INTELLIGENCE

DECEMBER 19, 2023
TUESDAY

3:30pm - 5:00pm

STUDIO INFINITY
(C714D, Inside LRC)
Hong Kong Design Institute

SPEAKER :
DR. KU KAM MING

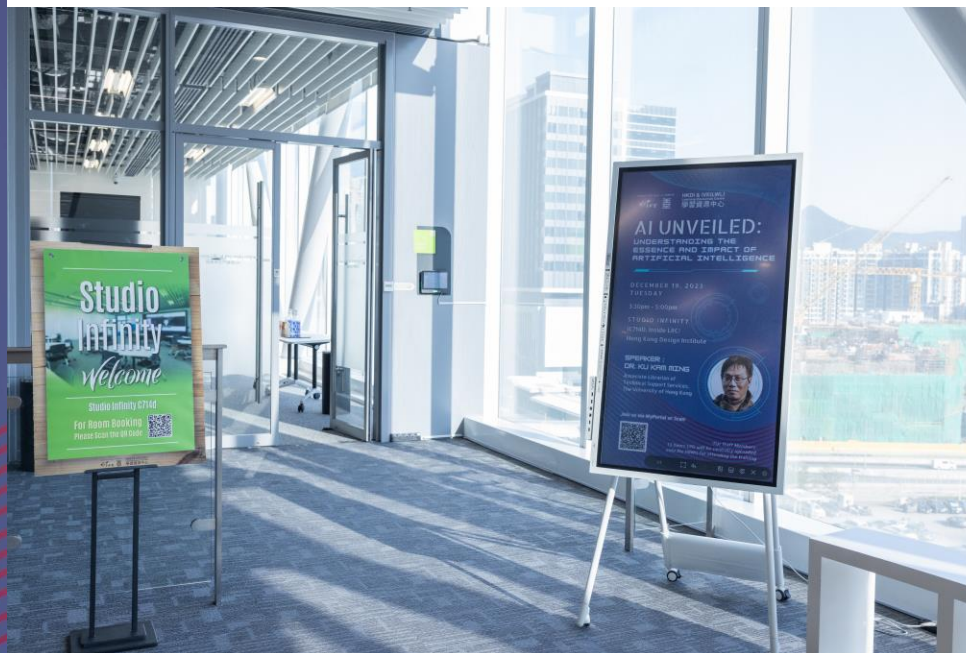
Associate Librarian of
Technical Support Services,
The University of Hong Kong



Join us via MyPortal or Scan:



**For Staff Members:
1.5 hours CPD will be centrally uploaded
onto the HRMIS for attending the training*





Hong Kong
Library Association

CONSTRUCTING HKU COVID-19 DIGITAL ARCHIVES: HARNESSING AI FOR BUILDING COMPREHENSIVE RESEARCH COLLECTION

The speakers will discuss HKU Libraries' journey in constructing a digital archive capturing works from HKU researchers during the pandemic. Despite limited resources, they leveraged technology to curate a comprehensive collection in six months.



23 Feb, 2024
at 6:30pm - 8pm



**Digital Interactive Lab,
2/F Main Library, HKU**

This seminar will be conducted in English and supplemented with Cantonese

SPEAKER



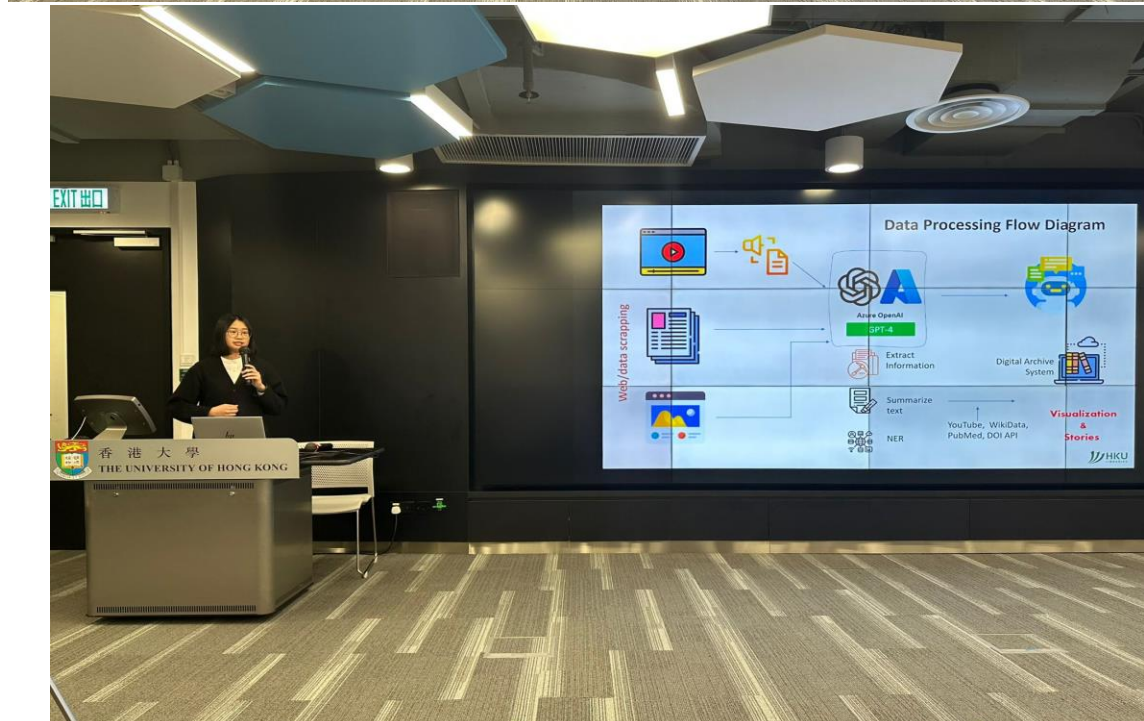
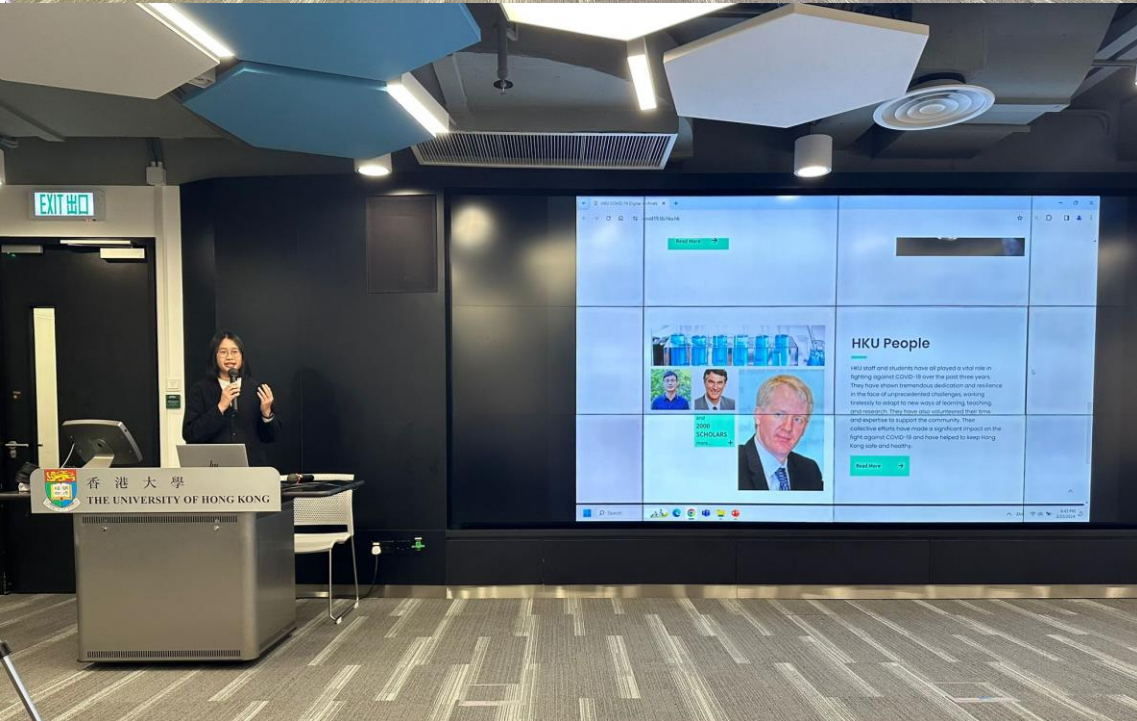
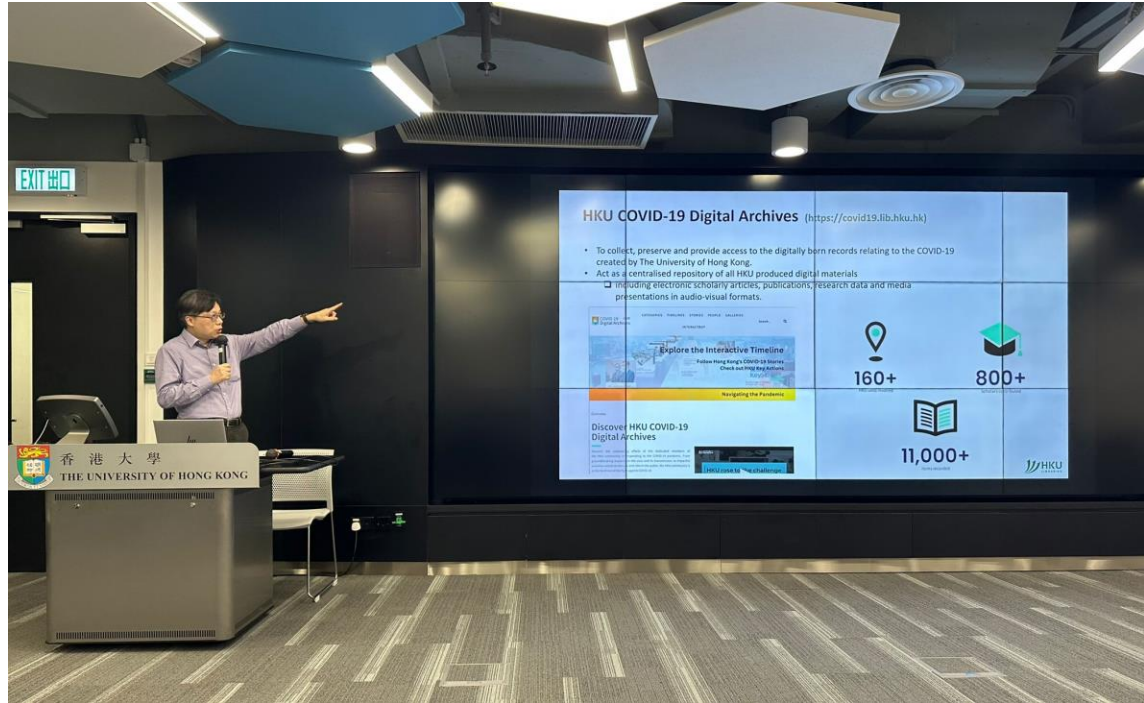
**Kam Ming
KU**



**Jessica
LEE**



<https://hkla.org/announcement/constructing-hku-covid-19-digital-archives-harnessing-ai-for-building-comprehensive-research-collection/>



KE outcomes and impact

The University of Hong Kong (HKU) has been at the forefront of battling the virus, and their contributions and efforts have been captured and showcased in the COVID-19 digital archives which serves as a testament to the impact and outcome of HKU's response to the pandemic.

The archives showcasing HKU's battle against COVID-19 has had several significant impacts:

1. **Awareness and Understanding:** It has increased public awareness and understanding of the university's efforts in combating COVID-19.
2. **Knowledge Dissemination:** It serves as a platform for sharing knowledge and insights gained from HKU's research and experiences.
3. **Inspiration and Empowerment:** By sharing the challenges, successes, and lessons learned, HKU has provided a blueprint for others to navigate the pandemic and overcome its challenges.
4. **Global Impact:** By sharing HKU's research findings and expertise, our collaborative approach has helped to shape the global response to the pandemic.
5. **Community Support:** It highlights HKU's commitment to supporting its community during the pandemic.
6. **Institutional Reputation:** It has enhanced HKU's reputation as a leading institution in the battle against COVID-19.

Overall, the project has had far-reaching impacts, ranging from increased awareness and understanding to global collaborations and the empowerment of individuals and institutions.



知識交流的成果和影響

香港大學（HKU）一直站在抗擊病毒的前沿，他們的貢獻和努力已收錄和展示在COVID-19數字檔案庫中，引證了HKU對疫情的回應所帶來的成果和影響如下：

1. 意識和理解：它提高了公眾對HKU在抗擊COVID-19方面努力的認識和理解。
2. 知識傳播：它作為一個平台，分享了從HKU的研究和經驗中獲得的知識和見解。
3. 啟發和賦權：通過分享挑戰、成功和經驗教訓，HKU為他人在應對疫情和克服困難方面提供了藍圖。
4. 全球影響：通過分享HKU的研究成果和專業知識，並和其它機構合作方法有助於塑造全球應對疫情。
5. 社區支持：它凸顯了HKU在疫情期間對支持社區的抗疫貢獻。
6. 機構聲譽：它提升了HKU作為領先機構在抗擊COVID-19方面的聲譽。

總的來說，這個項目產生了廣泛的影響，從提高意識和理解到全球合作和個人機構的賦權。



Acknowledgements

A heartfelt thank you to the people who contributed to the success of this project

