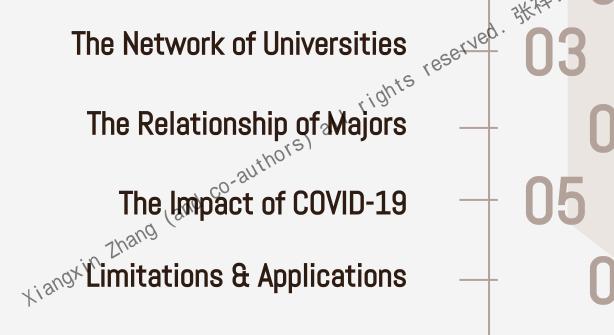


HanYuan Guo Peidong Jiang Xuemei Li Yu Rong Xinyue Zhang Xiangxin Zhang

# **Table of Content**



Data Collection & Cleansing

Background



# 1. Background

2020 vs 2021

+126%

The number of applicants consulting for postgraduate study in Hong Kang

Are there any

- Relationships between applicant's school of graduation and the school of admission in Hong Kong?
- Relationships between undergraduate and postgraduate majors?
- Changes in HK Universities' admission criteria before and after the pandemic?

# 2. Data Collection & Cleansing



### **SOURCES**

Jangxin Zhang (and co-authors) All Categorization (and co-authors)

2804 Candidates' Profiles

veen 2010





1945 Candidates' Profiles

# 2. Data Collection & Cleansing



### METHODS & TOOLS

- -Crawl Web Data
- -Develop Rules
- -Detect keywords
- -Graph via Excel &

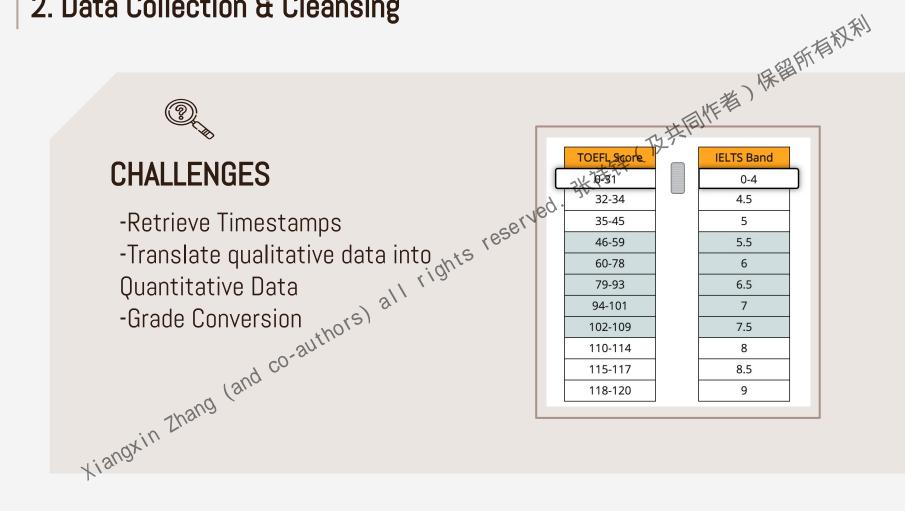
Kiangxin Zhang (and co-a)

outho'	54	
.00	5	

າຣເກຮູ	ISING REPRESENTATION OF THE PROPERTY OF THE PR									
	Majors									
1	Social Science	Philosophy	张祥藏(7)	Language						
2	Science	Science d.	Physics	Biology	Chemistry					
3	Engineering	Engineering	Computer Science	Financial Technology	Information Engineering					
154	Business	Economics	Management	Mechanical Automation	Engineering Management					
5	Medicine	Medicine	Nursing	Cardiology	Chinese Medicine					
6	Agronomy	Agriculture	Rural Development	Forest Agronomy	Desert Cultivation					

# 2. Data Collection & Cleansing

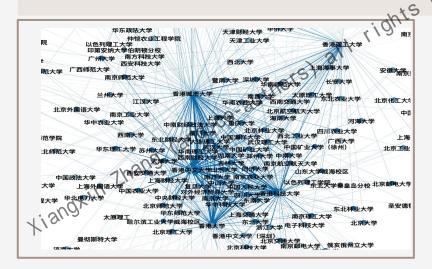


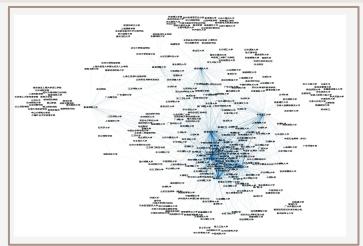


## 3.1 The network of universities

HK Top 3 ace in applicants' origins while the last 3 are at the edge.

- More students from top schools (985 & QS Top 50) are defitted to Top 3
   HK universities compared to lower-tier schools
- The institutions of applicants to HKBU, Linguish U, and EduHK are hardly related to other 5 universities in Hong Kong





# 3.2 The network of universities

City U sent most offers. HK is strongly attracting talents from Greater Bay Area

> Some applicants may take City U as the guaranteed offer. While EduHK and

are more interconnected.

33 125 11 11 11 11 11 11 香港城市大学 City U 香港中文大学 **CUHK** 香港大学 香港理工大学 香港科技大学 HKUST 111 香港浸会大学 **HKBU 107** 香港教育大学 EdUHK 51 Lingnan 29 Out-Degree

In-Degree

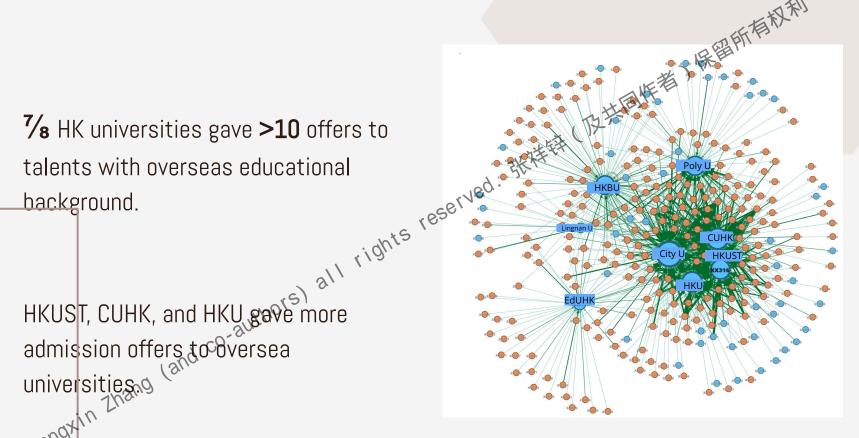
Label



### 3.3 Offers Given to Mainland China VS Overseas Talents

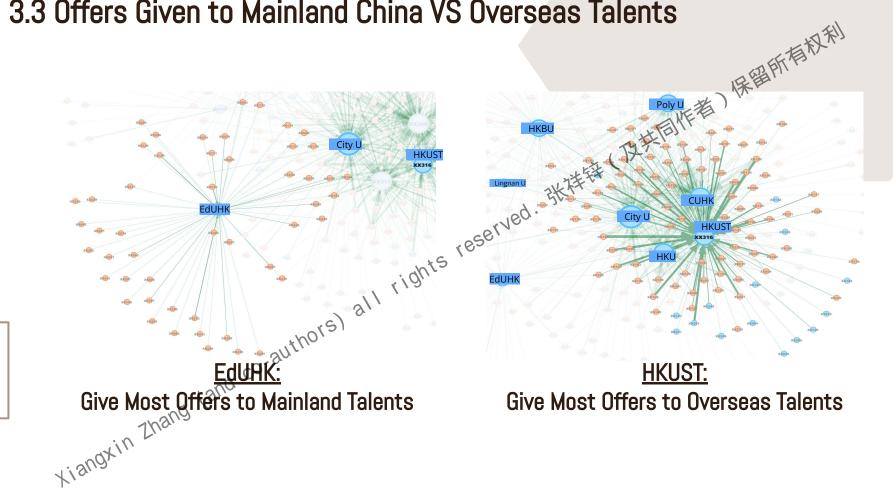
• 7/8 HK universities gave >10 offers to talents with overseas educational

admission offers to oversea universities o



81.65% Mainland / 18.35% Overseas

### 3.3 Offers Given to Mainland China VS Overseas Talents



# 4.1 The Relationship of Majors

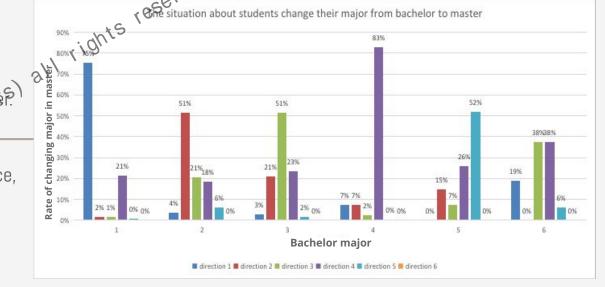
Q1: the most popular major for Bachelor							
Major	No. of students choose the Single major	No. of students choose double majors	sum	No. of students change their major	No. of students change their major(rate)		
1	406	11	417	103	25%		
2	172	13	185	90	49%		
3	690	7	697	339	49%		
4	744	26	770	131	17%		
5	26	1	27	13	48%		
6	16	0	16	16	100% 24		
		22	2112		٠٨. ،		

major introduction as their bachelor.

The most popular major is commerce both in Bachelor and Master.

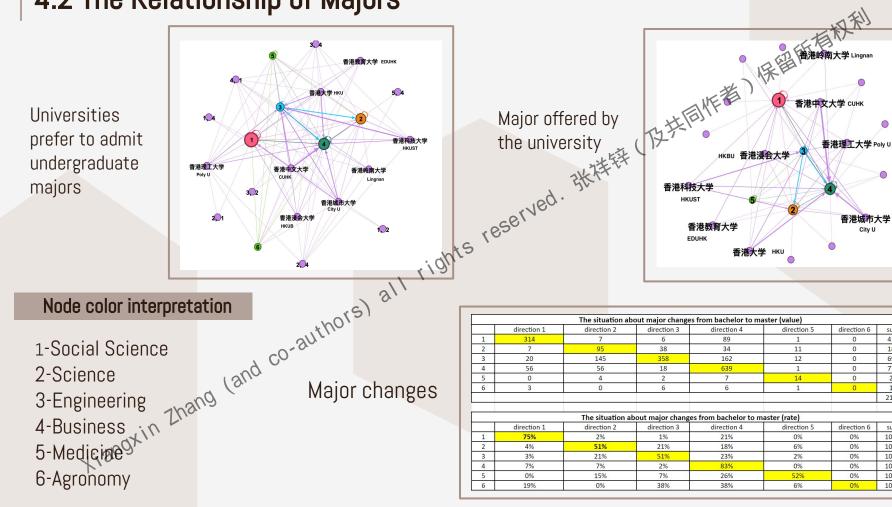
Nobody chooses agriculture in Master?

Influence factors personal preference, employment chvironment, Covid-19.



about students change their major from bachelor to master

# 4.2 The Relationship of Majors

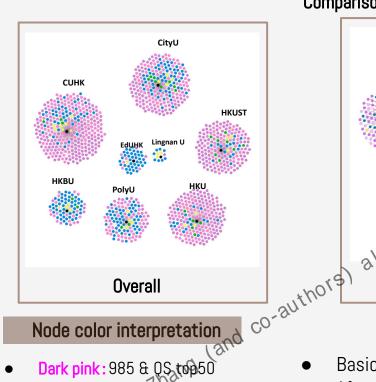




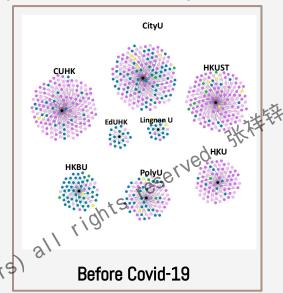
The situation about major changes from bachelor to master (value)								
	direction 1	direction 2	direction 3	direction 4	direction 5	direction 6	sum	
1	314	7	6	89	1	0	417	
2	7	95	38	34	11	0	185	
3	20	145	358	162	12	0	697	
4	56	56	18	639	1	0	770	
5	0	4	2	7	14	0	27	
6	3	0	6	6	1	0	16	
							2112	

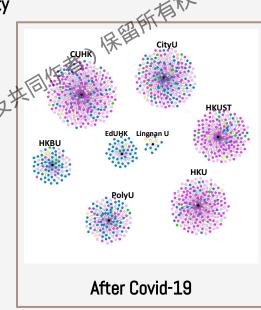
	The situation about major changes from bachelor to master (rate)								
	direction 1	direction 2	direction 3	direction 4	direction 5	direction 6	sum		
1	75%	2%	1%	21%	0%	0%	100%		
2	4%	51%	21%	18%	6%	0%	100%		
3	3%	21%	51%	23%	2%	0%	100%		
4	7%	7%	2%	83%	0%	0%	100%		
5	0%	15%	7%	26%	52%	0%	100%		
6	19%	0%	38%	38%	6%	0%	100%		

## 5.1 The Impact of COVID-19



Comparison dimension: Undergraduate university

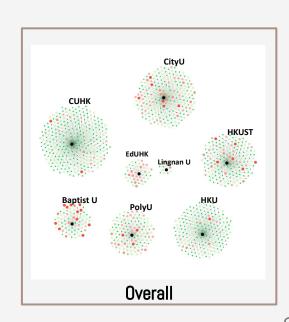




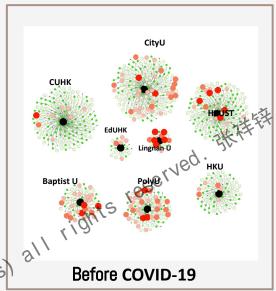
- Light pink: 211, 8108 50-100
- Blue: Non-985/211 & QS 100-200
- Greeh QS 200-400
- **fellow:** After QS 400

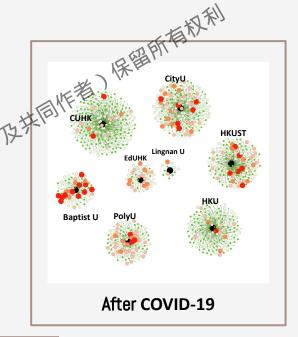
- Basic preferences remain with some minor changes
- After COVID-19, offer holders from non-985/211 and post-qs 100 universities increased. (especially PolyU)
- Poly U & CityU's offer holders have a diverse undergraduate background

## 5.2 The Impact of COVID-19



### Comparison dimension: GPA



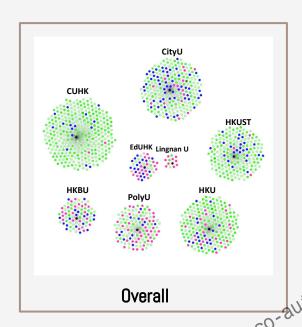


### Node color interpretation

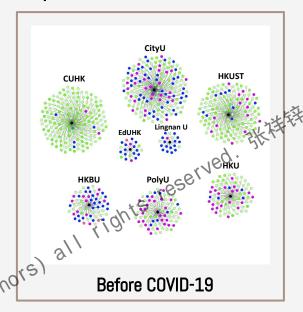
- Green: GPA≥80 (The greener the color, the higher the GPA)
- Red: GPA < 80 (The redder the color, the lower the GPA)
- The larger the point, the lower the GPA we can find which university the big red nodes (offer holder with low GPA) are concentrated in

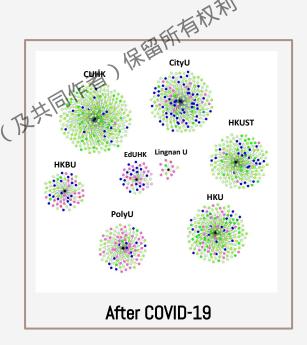
- The GPA of most offer holders from 8Us in HK is above 80
- HKU and CUHK have highest requirements for GPA, followed by HKUST and CityU, and other universities have relatively lower requirements
- After Covid-19, offer holders with GPA lower than 80 have increased, especially in HKUST and CityU, but HKU and CUHK still maintain high requirements for GPA

## 5.3 The Impact of COVID-19



### Comparison dimension: IELTS score



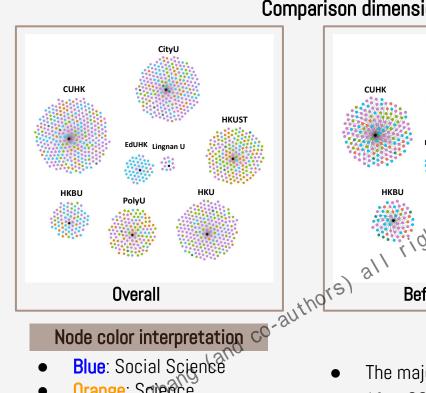


# Node color interpretation nd

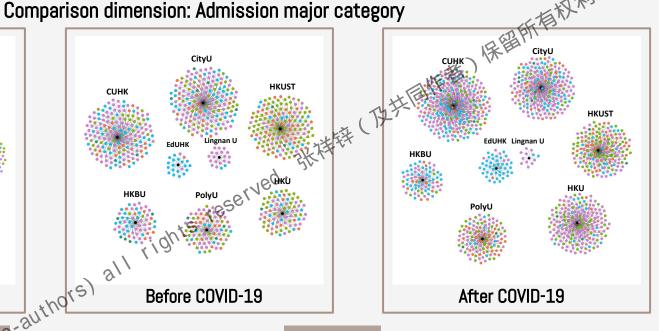
- Blue: no IELTS score
- Purple: Jess than 6.5
- Green: greater than 6.5

- CUHK has particularly strict requirements for IELTS scores.
- After COVID-19, universities in HK have reduced the requirements for IELTS.
- After COVID-19, students who completed their undergraduate degrees in HK or aboard is increasing. (especially HKU/HKUST)

## 5.4 The Impact of COVID-19



Before COVID-19



- Orange: Science
- Grassigreen: Engineering
- **Purple**: Business
- Dark green: Medicine

- The major settings in HKUST and PolyU are more balanced.
- After COVID-19, business has become the most popular major. (take HKU/CUHK/CityU for examples)

# 6. Applications

- If applicants want to apply for Postgraduate in CUHK and HKU, they should have a significantly higher GPA and language test scores at the rumor that "City U is a guaranteed offer applicant".
- ... a guaranteed offer is actually true to a guaranteed offer is actually true to switch majors after enrollment, universities that have diverse majors may make their lives easier.

  A guaranteed offer is actually true to a guaranteed of a guaranteed offer is actually true to a guaranteed offer is actually true to a guaranteed of a guaranteed of a guaranteed of actually true to a guaranteed of The rumor that "City U is a guaranteed offer" is actually true to some applicants

  For applicants who may want to switch majors after enrollment, choosing

### 6. Limitations

- Data are geographically concentrated in Mainland China.

  might oversimplified data of candidat carved.
- Applicants having multiple majors are recorded as single-major applicants.

  Applicants having multiple majors are recorded as single-major applicants.

