Instruction of the website of China’s Airports   
Network and Passengers’ Volume

# Website Address

The address of this website is:

https://xudong-zh.github.io/China's%20Airports%20Network%20and%20Passengers'%20Volume.html

# Aim of Building this Website

The website tries to show how China’s airports connected with each other in 2014. This work could be used for detecting the complex structure of airline network in the future. It could also be beneficial for researchers to understand the hierarchy of the China city network, from the perspective of transport connectivity.

# Design and Technical Approach

The content of this website could be regarded as three parts of analyses: map of airlines among China’s cities, annual passengers’ volume of top 15 airports, and the competition of passenger number’s growth among top 15 airports. The map used *folium map* to visualize the distribution of airlines. The degree of each airport and some airports’ annual growth rate graphs were added in the markers. The line chart of passengers’ volume was made by using the tool from *D3 library*, and the main part of code was from group mini project week 4 practical (CASA0003 4.2 Interactive Charts Practical 202021). The graph of bar chart race mainly used the technical from *flourish* and the interface of this graph, such as layout, font size and color scheme, was done on this platform. All of these analyses were integrated into this website by using *bracket*. What’s more, the overall page of this website could be categorized into three parts: cover photo, analysis part, and announcement of copyright.

# Data

The world airline dataset (2014) was collected from openflights.org/data. To look deep into China’s airlines distribution, China part of data was extracted from the whole dataset. This airline dataset mainly contains six columns: IATA number, source and destination airport’s name, cities that airports belong to, longitude and latitude of all airports. Also, annual passengers’ volume of top 15 airports (2001-2019) was collected from website of Civil Aviation Administration of China.

# Copyrights of Elements Used in this Website

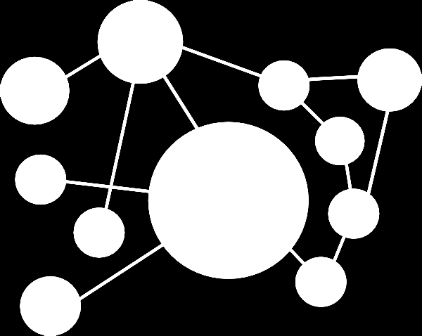
## Cover’s photo



This element was downloaded from https://wallpaperscraft.com/download/airplane\_buildings\_skyscrapers\_sky\_120051/3840x2160

And the size of image was edited to fit this website.

## Logo



The logo was collected and edited from

https://docplayer.es/161049702-Cripto-moneda-una-perspectiva-de-la-uif.html (page 12)

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# References (heading 1)

Text