# Invest on the Asian restaurant in Canberra

1. **Introduction**
   1. **Description**

In this document I would like to review the opportunity of opening a new Asian restaurant in Canberra city center (Australia) and recommend the best location.

* 1. **Why Canberra**

**Canberra** is the [capital city](https://en.wikipedia.org/wiki/Capital_city) of [Australia](https://en.wikipedia.org/wiki/Australia). Founded following the [federation of the colonies](https://en.wikipedia.org/wiki/Federation_of_Australia) of Australia as the seat of government for the new nation, it is Australia's largest inland city and the [eighth-largest city overall](https://en.wikipedia.org/wiki/List_of_cities_in_Australia_by_population). The city is located at the northern end of the [Australian Capital Territory](https://en.wikipedia.org/wiki/Australian_Capital_Territory); 280 km south-west of [Sydney](https://en.wikipedia.org/wiki/Sydney) and 660 km north-east of [Melbourne](https://en.wikipedia.org/wiki/Melbourne).

On 1 January 1901, federation of the colonies of Australia was achieved. Section 125 of the new [Australian Constitution](https://en.wikipedia.org/wiki/Constitution_of_Australia) provided that land, situated in [New South Wales](https://en.wikipedia.org/wiki/New_South_Wales) and at least 160 km from [Sydney](https://en.wikipedia.org/wiki/Sydney), would be ceded to the new [federal government](https://en.wikipedia.org/wiki/Government_of_Australia). Following discussion and exploration of various areas within New South Wales, the [Seat of Government Act 1908](https://en.wikipedia.org/wiki/Seat_of_Government_Act_1908) was passed in 1908 which specified a capital in the Yass-Canberra region. The land was transferred to the Commonwealth by New South Wales in 1911, creating the [Australian Capital Territory](https://en.wikipedia.org/wiki/Australian_Capital_Territory), two years prior to the capital city being founded and formally named as Canberra in 1913.

It is unusual among Australian cities, being an entirely [planned city](https://en.wikipedia.org/wiki/Planned_community) outside of any state, similar to [Washington, D.C.](https://en.wikipedia.org/wiki/L%27Enfant_Plan) in the United States or [Brasília](https://en.wikipedia.org/wiki/Bras%C3%ADlia) in Brazil. Following an international contest for the city's design, a blueprint by American architects [Walter Burley Griffin](https://en.wikipedia.org/wiki/Walter_Burley_Griffin) and [Marion Mahony Griffin](https://en.wikipedia.org/wiki/Marion_Mahony_Griffin) was selected and construction commenced in 1913. The Griffins' plan featured geometric motifs such as circles, hexagons and triangles, and was centred on axes aligned with significant topographical landmarks in the Australian Capital Territory. The city's design was influenced by the [garden city movement](https://en.wikipedia.org/wiki/Garden_city_movement) and incorporates significant areas of natural vegetation.

As the seat of the [government of Australia](https://en.wikipedia.org/wiki/Government_of_Australia), Canberra is home to many important institutions of the federal government, national monuments and museums. This includes [Parliament House](https://en.wikipedia.org/wiki/Parliament_House,_Canberra), the official residence of the monarch's representative the [Governor-General](https://en.wikipedia.org/wiki/Governor-General), the [High Court](https://en.wikipedia.org/wiki/High_Court_of_Australia) and numerous government departments and agencies. It is also the location of many social and cultural institutions of national significance such as the [Australian War Memorial](https://en.wikipedia.org/wiki/Australian_War_Memorial), the [Australian National University](https://en.wikipedia.org/wiki/Australian_National_University), the [Royal Australian Mint](https://en.wikipedia.org/wiki/Royal_Australian_Mint), the [Australian Institute of Sport](https://en.wikipedia.org/wiki/Australian_Institute_of_Sport), the [National Gallery](https://en.wikipedia.org/wiki/National_Gallery_of_Australia), the [National Museum](https://en.wikipedia.org/wiki/National_Museum_of_Australia) and the [National Library](https://en.wikipedia.org/wiki/National_Library_of_Australia). The city is also home to many important institutions of the Australian Defence Force including the [Royal Military College Duntroon](https://en.wikipedia.org/wiki/Royal_Military_College,_Duntroon) and the [Australian Defence Force Academy](https://en.wikipedia.org/wiki/Australian_Defence_Force_Academy). It also hosts the majority of foreign embassies in Australia as well as regional headquarters of many international organisations, not-for-profit groups, lobbying groups and professional associations.

As at June 2018 the population of Canberra was 420,960, having grown by 2.2% over the preceding 12 months. As the city has a high proportion of public servants, the Commonwealth Government contributes the largest percentage of gross territory product and is the largest single employer in Canberra, although not the majority employer. Compared to the national averages, the unemployment rate is lower and the average income higher; tertiary education levels are higher, while the population is younger.

Canberrans are relatively young, highly [mobile](https://en.wikipedia.org/wiki/Population_mobility) and well educated. The median age is 35 years and only 12.7% of the population is aged over 65 years. Between 1996 and 2001, 61.9% of the population either moved to or from Canberra, which was the second highest mobility rate of any Australian capital city.[[202]](https://en.wikipedia.org/wiki/Canberra#cite_note-202) As at May 2017, 43% of ACT residents (25–64) had a level of educational attainment equal to at least a [bachelor's degree](https://en.wikipedia.org/wiki/Bachelor%27s_degree), significantly higher than the national average of 31%.

Canberra is one of the highest average income in Australia

So as result make it attractive for me to do my research on this city.

* 1. **Data description**

To be able to provide the recommendation I have used the following data and sources

### Income information

* Data.gov.au
* <https://www.abc.net.au/news/2019-12-30/are-you-one-of-the-average-australians-politicians-refer-to/11831700>
* <https://en.wikipedia.org/wiki/Median_household_income_in_Australia_and_New_Zealand>
* Australian Bureau of Statistics

### Restaurant location and information

* Forsquare API
* Data.gov.au
* <https://www.latlong.net/category/cities-14-15.html>

### Methodology

### GitHub as a repository to save all result and reports

### Folium library to visualize geographic details of Canberra

### Canberra map withou any venue

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### mark all venues on Canberra map

### 

### Mark all restaurants in canberra map

### 

### Mark Asian restaurants in canberra map

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### Geocoder to identify the Latitude and longitude for Canberra city center

### Foursquare API to explore the restaurant with the limit as 1000 venue and the radius 1000 meter for Canberra from their given latitude and longitude informations. Here is a head of the list Venues name, category, latitude and longitude informations from Forsquare API.

### Data collection

### I extract data from Json file and filter wanted data to the correct format

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### Data cleansing

### In this case I need to identify all the venue in the radius of 1000 meters this list will incude all venues from sport centre to restaurant as following

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### Extract all restaurants total number 22 to be used in my analysis.

### Extract only Asian restaurants total number 12 to be used in my analysis.

### In this process I grouped the restaurant and deleted unidentified information

### I did analysis on both options (all restaurants and Asian restaurant in area)

### All restaurant as they will impact overall decision based on the total number of population

### Total number of restaurants are 22

### 

### Asian restaurant only as identify where are they located and how we can identify the density of restaurants

### Total number of restaurants are 12

### 

### Analytical

### I grouped the data and used K\_Means to cluster the restaurant to 3 clusters to grouped the data to three groups to identify the density and locations of each restaurant

### all resturants

### 

### asian restuarants

### 

### Conclusion

### As a result of the data output

### Number of the restaurants

### Papulation

### Government present in city

### Location of government department

### Location of restaurants and number of restaurants

### Average incomes

### Canberra is a very good place to invest and open the restaurant the best place to open Asian restaurant is Braddon.

### Refrences:

### Government data from Data.gov.au

### ABC news (multiple resources)

### Australian Burue of Stat

### Wikipadia

### Google search

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