

GGRA30 – Assignment 1

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- i. What are the average size (square km), minimum size (square km) and maximum size (square km) of the neighborhoods? What is the name of the largest neighborhood? (.25 each =1 mark)

Average size: 4.5235 sq km

Min size: 0.4 sq km

Max size: 37.6 sq km

Name of largest neighborhood: Rouge

- ii. How many neighborhoods are there that are 5 sq. km or larger? (1 mark)

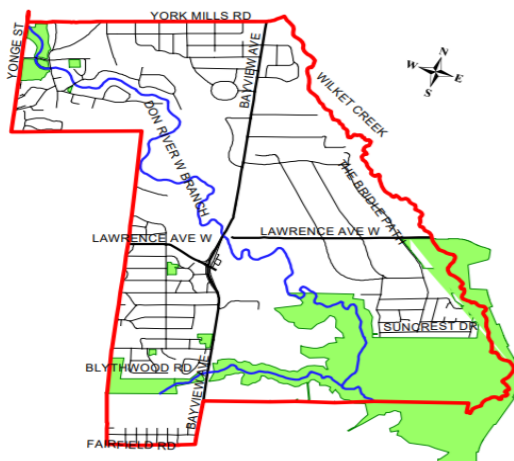
46 neighborhoods are 5 sq. km or larger

- iii. Fill out the table from below (3 marks):

	Average	Min	Max
Percentage of tenants in Toronto neighborhoods	17.96%	1.58%	50.14%

- iv. Which neighborhood has the lowest/smallest percentage of tenants? Where is it located? Get a screenshot of the map from the link above and write a short description (i.e. it is located downtown. One major intersection is Front Street and Yonge street)? (2 marks)

Neighborhood 41 (Bridle Path-Sunnybrook-York Mills) have the smallest percentage (1.58%) of tenants. It is located in central Toronto, with the major intersection being Bayview Ave and Lawrence Ave W. The neighborhood is bordered by Yonge St, York mills Rd, Wilket Creek and Farfield road.



- v. How many neighborhoods have a tenant percentage equal to or greater than 25%? (1 mark)

24 neighborhoods have a tenant percentage equal to or greater than 25%

- vi. Which *neighborhood* has the population $\geq 25,000$ and contains tenants $\geq 25\%$? (**1 mark**)

Waterfront Communities- the Island (neighborhood 77) and **Annex (neighborhood 95)** has a population of less than equal to 25,000 and contains tenants greater or equal to 25%.

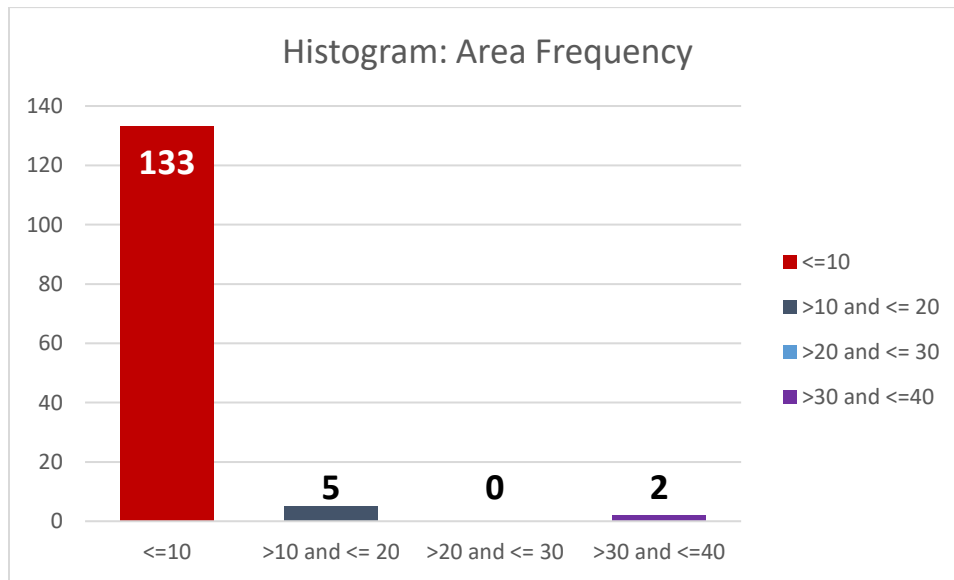
- vii. Pivot table: What is the average percentage of tenants in the balanced neighborhoods? (t marks). Print excel sheets showing a pivot table to hand over with the submission.

Total Average percentage in a balanced neighborhood is **17.0031342%**

Average of TenentsPercentage	
Neighbourhood Type	Total
Balanced	17.00313423
Owner Centric	6.157280427
Tenants Centric	32.96647496
Average of TenentsPercentage	17.95788809

viii. Using the “Area_SqKm” field, create a frequency distribution-based histogram showing number (**count**) of *Neighborhood Size Groups*.

a. **Print** the histogram on the same page where your pivot table was printed from above (vii). **(3 marks)**



b. How many neighborhoods are there in the size range of 10 to 20 sq. km? **(1 mark)**

5 neighborhoods are between the sizes of 10 to 20 sq Km.

c. What is the difference between the histogram and the pivot table? **(2 marks)**

A histogram displays visually the number of items that fall into each interval such as the area frequency while a pivot table is a tool that allows you to reorganize and summarize selected columns and rows of data in a spreadsheet.