



CIV8760 - Laboratory 02

Agenda

- Tips and feedback on PA1
- Tutorial on QGIS
- Teamwork time

General

- If you haven't already done so, go and read the documentation on Moodle!
- SQL will only be covered next week → SO NOT REQUIRED.
- For the time being, perform the manipulations on the tool you want.

Part 1

Example of spatial analysis:

Exemples d'indicateur

Cartographie des activités stationnaires
Parc Berczy, Toronto
Par 8-80 Cities, 2021



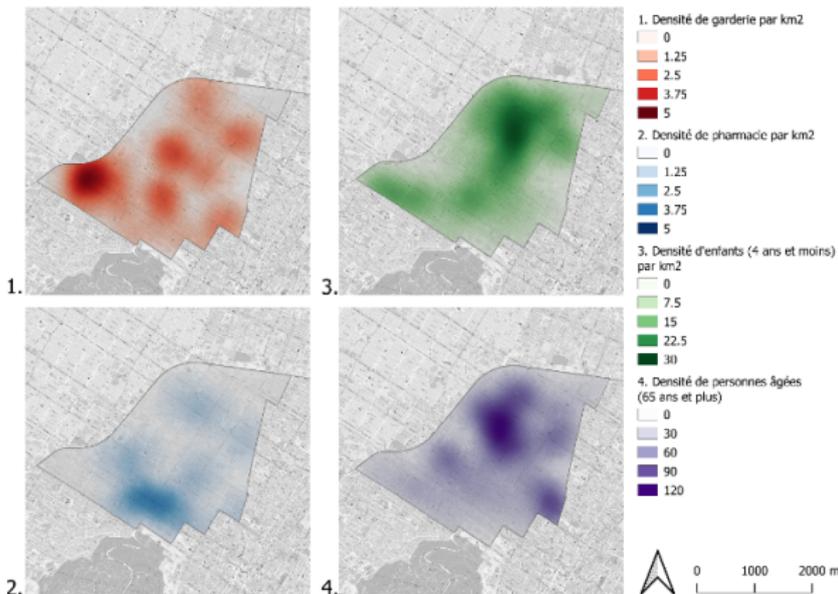
Crédit: 8 80 Cities

Crédit: Cormier + Associés

Activity mapping

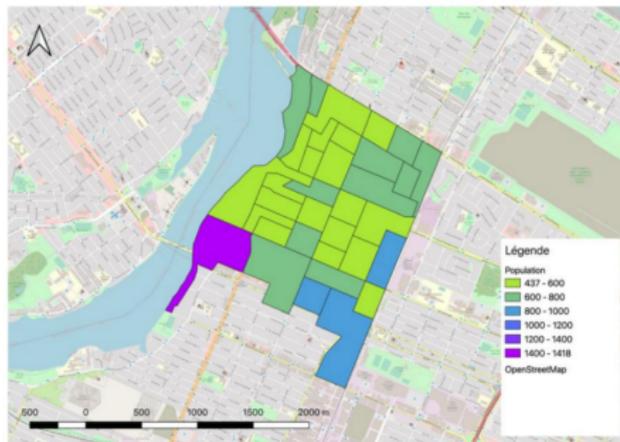
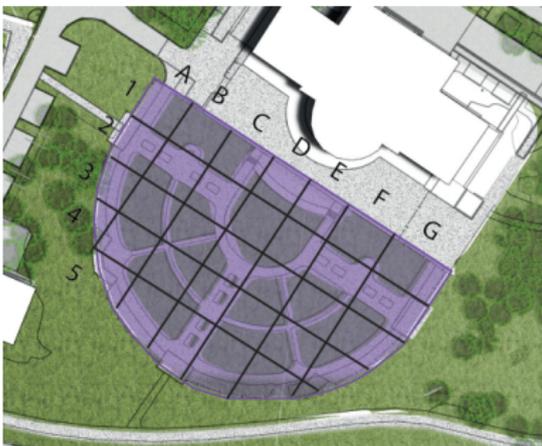
Part 1

Example of spatial analysis:

*Heatmap*

Part 1

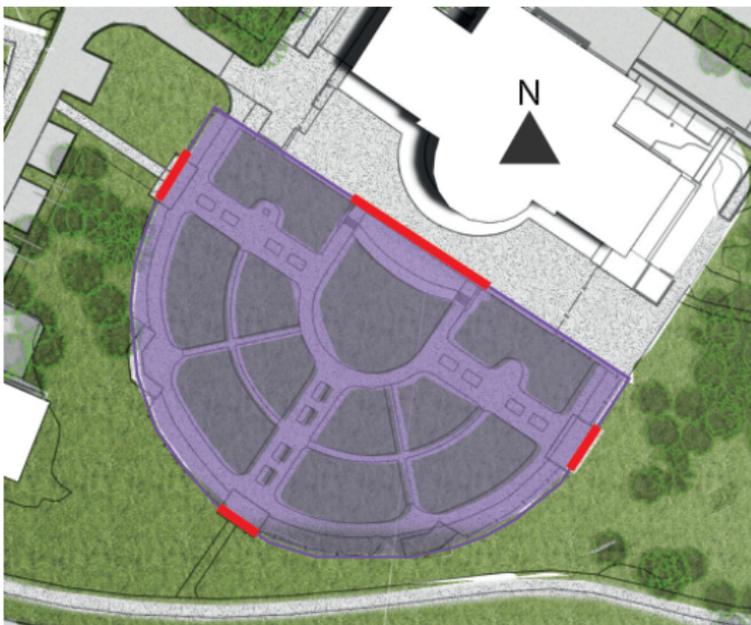
Example of spatial analysis:



Analysis by "Chessboard" subspace

Part 1

Example of spatial analysis:

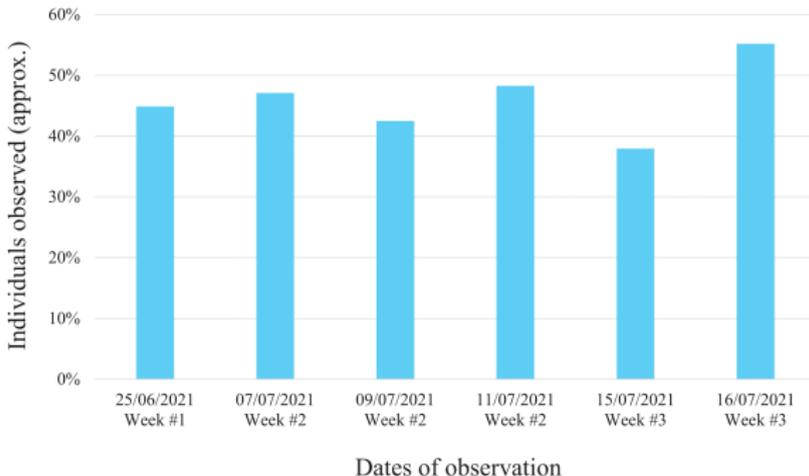


Analysis by access (in a table linked to the figure)



Part 1

Example of temporal analysis:

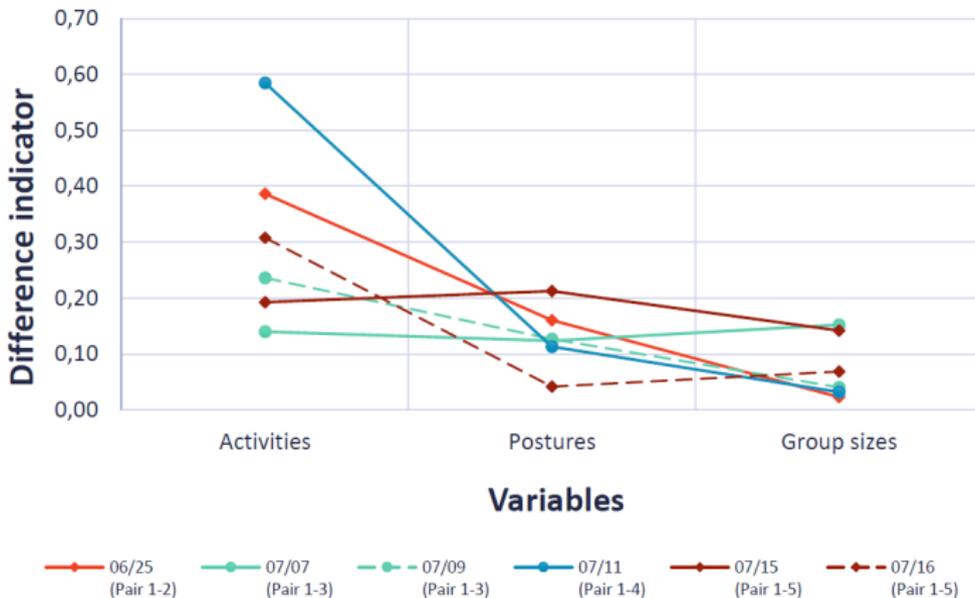


Individuals observed at lunchtime versus after lunch (over 1 hour of observation)

Other examples: Depending on the day of the week, peak periods, etc.

Part 1

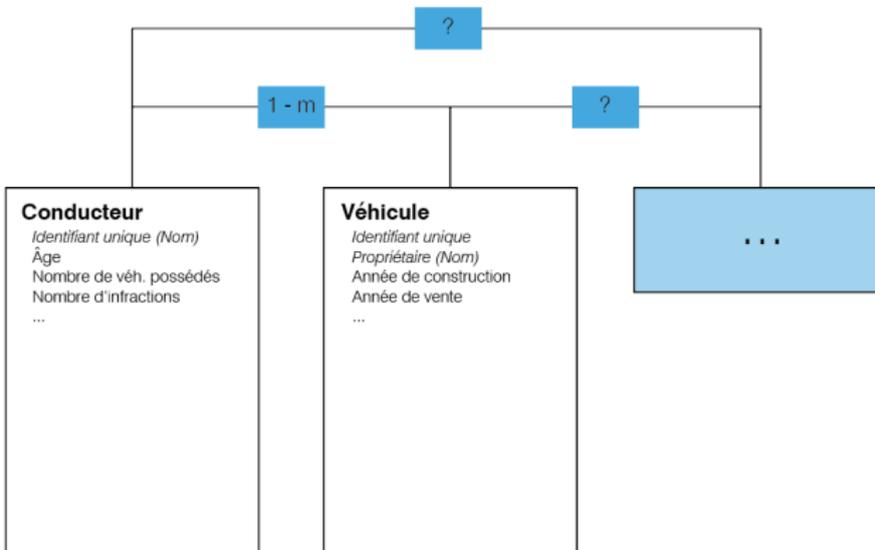
Example of multivariate analysis:



Difference indicator

Part 1

Data model : I want an Entity-Association schema

*Entity-Association schema*

Part 1

"Groupe": How to go from categorical to decimal?

"Moins de 4" = 1 ?... 2 ?... 2.5 ?...

Part 2

You must give me details about:

- Site, problematic, hypothesis(es) and objective
- Presentation of the methodology (why? links with other aspects of the study?)
- Variables (why? links with other aspects of the study?)

Part 2

Summary analysis: Rely on the first part for examples

Normally, you should present/utilize each variable, if not, are they really useful to your study?

Mapping/spatial analysis?

General

Reminder of terms and conditions:

- Format: PDF or Word (via Moodle)
- Not to exceed 30 pages
- Due: October 5, 2023, at 11:59 p.m.
- 5% granted to the editor

QGIS Tutorial

Lab demonstration:

- Opening and projection
- Creating a point layer
- Heat map
- Zone creation
- Layout

You can access a QGIS tutorial [here](#).

Teamwork time

LET'S GO!