

# CASA0005 Geographic Information Systems and Science - Assessment Part 1

17/10/2018

The Assessment for the GIS Module is comprised of 3 parts.

Part 1 - 20% Part 2 - 20% Part 3 - 60%

**This part, Part 1, is worth 20% of the final assignment - text should not exceed 600 words.**

## Task for Part 1

You will produce and critically compare *TWO* maps produced using 2 different pieces of software.

- One map will be created using a GUI-based piece of GIS Software, such as ArcMap or QGIS.
- One map will be produced using predominantly code-based software such as R or MapBox.

The accompanying text will evaluate both finished products and the cartographic/GIS/data science work-flows used to produce them. Images of the two maps should be embedded in an R Markdown .Rmd document titled “AssessmentPart1”. Once complete, you will upload your completed “AssessmentPart1.Rmd” file to a repo on your personal GitHub page.

**Anyone who does not record a first commit to their online GitHub repo on or before 7th Nov 2018 will receive a 5% penalty deduction on their final report grade.**

Your written evaluation may encompass (but not necessarily or indeed exclusively) aspects such as:

- An assessment of the benefits and drawbacks of GUI vs Command line generated maps
- An assessment of the data sources used in their generation
- A review of cartographic good practice and an assessment of your maps as presented
- A review of the workflows used to generate both maps
- Any other relevant considerations such as, scale, uncertainty, MAUP, “lying with Maps” – Political decisions etc.

## Marking

This part of the assessment will be marked according to the following criteria:

1. Context and relevance: Context relating to cartographic practice, software, data, and representational limitations (35%)
2. Knowledge, understanding, and reflection: Quality of the critical commentary, reference to literature or other examples of good (or bad) mapping practice. Limits imposed by different software and reflection and interpretations. (35%)
3. Communication and Overall Presentation: Quality of the maps (i.e. quality of the cartography, good practice, and potentially flirting with conventions (creativity). Quality of writing too. (30%)

## Completion Checklist

1. 2 Maps - 1 made using a GUI-based GIS and 1 made using code-based software
2. Accompanying written commentary not exceeding 600 Words
3. A first draft of the “AssessmentPart1.Rmd” document uploaded to a personal GitHub repo