

GEOG 2017E
Applied Cartography and Introduction to GIS
Term Project

You will create a mini-atlas of a selected Economic Region (ER) of in Ontario. The Economic Region will be mapped at the Census Subdivision (CSD) level. You can choose any ER in Ontario. ERs are a level of census geography between the Census Division Level and the Province.

Select **five (5) census variables** from Population Profiles of Census Subdivision including:

1. **2006 Population** (100% sample) and **land area** - both required to derive (calculate) a new variable: Population Density.
2. **Three (3) other variables of your choice.** (to calculate rates/proportions/percents, additional variables may be needed. Eg. To calculate % aboriginal identity you would need Total Population by Aboriginal Identity and total population of Aboriginal Identity

The atlas will include:

1. A dot density map for population (as a raw count)
2. One choropleth map of population density (population per square kilometre)
3. Three (3) other types of thematic maps of the student's choice. These can include choropleth or dot density maps

All the maps will be marked for cartographic elements and design (8 points per map = 40 points).

Analysis and Discussion (10 marks per map = 50 points total)

1. You will briefly describe each variable and the distribution seen
2. You will then explain rationale for the classification scheme you chose
3. You will describe cartographic challenges that were met and how they were addressed (e.g. extremely small areas that required an inset map)

This is a mini "Atlas." Therefore, it should be formatted with an appropriate title page, table of contents, and section title for each map, analysis and discussion. **The layout of your entire document as a whole will be judged for ease of use, clarity, unity, etc. (10 points)**

Total possible points = 100