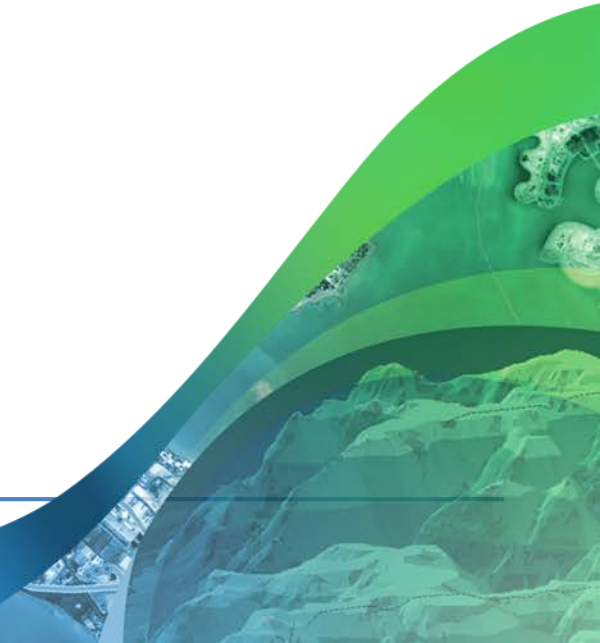# EARTH SC/ENVIR SC/GEOG 2GI3

Exercise 5: Overview

Dr. Darren M. Scott

Learning Objectives

- Learning how to further manipulate tables
- Learning how to create maps

Part A: Major Steps (1)

- Given two files:
  - Shapefile of dissemination areas (HamDA), Excel workbook containing health data for census tracts (HealthData)
- Add a new field to HamDA that is of the same data type as corresponding field in HealthData
  - Copy data from a text field into the new numeric field
- Create a census tract shapefile (HamCT) from HamDA using the Dissolve tool

Part A: Major Steps (2)

- Join HealthData to HamCT's attribute table

- Create a new shapefile called HamHealth with coordinate system of the data frame (NAD_1983_UTM_Zone_17N)

Part B: Major Steps

- Create a choropleth map that shows the rate of respiratory emergency room visits per 1000 people residing in census tracts in Hamilton

Style and Format Guidelines (1)

- Answers must be typed using MS Word, OpenOffice, or some other word-processing package; otherwise your grade = 0

- Style and format is worth 20% of your mark or 5 marks out of 23 for this exercise

- 1 mark is deducted for each unique mistake

Style and Format Guidelines (2)

- To avoid losing marks, ensure the following:
    - ❑ Title page contains the exercise number and name (Exercise 5: Tables and Layouts), your name and lab section, submission date, and your TA's name
    - ❑ Staple your submission in the upper left-hand corner
    - ❑ Use 12 point font
    - ❑ Use 1.5 spacing between lines
    - ❑ Use 1 inch borders
    - ❑ Pages must be numbered in the bottom right-hand corner
    - ❑ Correct all spelling and grammatical mistakes
    - ❑ Do not use ink or pen on the submission