**Introductory GIS for Planners (1/2 day in length)**

This session is intended for graduate students in Planning with little or no GIS experience and will develop a working knowledge of GIS and relevant software. We will begin with a brief overview of foundational GIS concepts including map projections, spatial data and databases, and editing data. We will apply these techniques through an example workflow: obtaining data from Statistics Canada, joining to geographic data, and producing an informative map. Content and specific techniques can be modified to better suit participants; email [mquick@uwaterloo.ca](mailto:mquick@uwaterloo.ca) with requests.

1) Title Slide

2) Objectives

3) What can we do with GIS?

4) GIS Software

5) Map Projections

6) Spatial Data Types

7) Spatial Databases (every item has attributes: what it is, how much money, etc.)

8) GIS: Getting Started

9) File types and file management

10) Getting familiar with the interface

11) Creating a point

12) Creating a line

13) Creating a polygon

14) Looking at sample data (two types: points, areas)

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14) Example project

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