

GIS for Beginners



CLAUDIA ENGEL

**Academic Technology Specialist and Lecturer
Department of Anthropology, Stanford University**

The study of cultural and social phenomena as for example migration urbanization, land use, resource management, historical landscapes, and many more, all bring to light the importance of space and spatial analysis, that is, an analysis where results are dependent on the locations of the objects being analyzed.

The workshop will provide an introduction to those interested in spatial analysis and curious about how to go about learning and using Geographical Information Systems (GIS). I will provide a basic overview of the primary components of a GIS, a brief glimpse at some typical GIS operations, address questions of GIS data types and formats and how spatial data might be collected and brought into a GIS system. We will take a look at some of the available tools their pros and cons, and how one might go about getting started with a GIS project.

Claudia Engel is Academic Technology Specialist and Lecturer at the Department of Anthropology. She is co-founder of the Stanford interest group in GIS, serves as GIS consultant with the Institute for Research in the Social Sciences, is a member of the Stanford Spatial Social Science Lab and affiliate of the Stanford Center on Longevity and the Urban Studies Program. She also serves as a co-manager of the Academic Technology Specialist Program. The toolset for her work includes R, Qgis, GRASS, postGIS, ArcGIS, mySql, php, Gephi, Python, and JavaScript.

MONDAY

**February 24, 2014, 12:00-1:05 pm
Conference Room, Building 50, Room 51A**



ANTHROPOLOGY

BROWN BAG FORUM

<http://anthropology.stanford.edu>