



Cartogram Studio: A Tool for Manual Cartogram Construction and Refinement

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Date/Time: Friday, 4 October 2019, 3.30pm
Place: AS2 #02-03

Abstract

Cartograms are a mathematically idealized map form for visualizing human geographies, but their appearance can be obscure and difficult to interpret. In this talk, I will introduce Cartogram Studio software for manual cartogram construction, which aims to address the cognitive and perceptual elements of cartogram design. The guiding principle behind Cartogram Studio is that two-way interaction between computer algorithms and manual cartography is necessary to solve cartographic challenges that are both computational and inherently human (cognitive, perceptual) in nature. The talk will discuss the development of Cartogram Studio, demonstrate its usage, describe some preliminary lessons learned and explore potential workflows for integrating manual and automated approaches to cartogram construction.

About the Speaker



Barry Kronenfeld is Associate Professor of Geography and Coordinator of the Professional Science Master's degree program in GIScience at Eastern Illinois University. His research focuses on cartographic modelling to tame big geographic data and enable broader access to geovisual and analytic techniques. Whereas typically a high level of detail is prioritized in the modern technology arena, Dr. Kronenfeld's work is grounded in the search for appropriate methods of abstraction and generalization. Cartogram Studio software is available for free download at:
<http://ux1.eiu.edu/~bjkronenfeld/cartogramstudio.html>

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