SEMINARIO

Conjunto ACGO y Matemáticas Discretas

EXPOSITOR

Cesar Hidalgo
(The MIT Media Lab)

TITULO

Macro Connections

Abstract

The rise of computational methods has generated a new natural resource. That new natural resource is data. While it is not clear if Big Data will open up trillion dollar markets, what it is clear is that making sense of visualizations are essential meaning out of. The capacity to create data visualizations, however, is not widespread. To help develop this capacity I have been working on the creation of Data Vizualization Engines, which are tools that allow people quickly visualize any portion of a large dataset and construct visual narratives from which they can draw insight. In this talk I will present five big data visualization engines we created at the MIT Media Lab's Macro Connections group and will show how to use them to improve our understanding of the development of economies, cultures and cities. The data visualization engines I will demo include (i) the Observatory of Economic Complexity (atlas.media.mit.edu), which is the most comprehensive tool for exploring international trade data to date; (ii) DataViva (dataviva.info), which is a tool we created to open up data for the entire formal sector economy of Brazil, including data on all of the working force, municipalities, industries, and occupations of Brazil; (iii) Pantheon (pantheon.media.mit.edu), a dataset and visualization engine we created to explore global patterns of cultural production; (iv) Immersion (immersion.media.mit.edu), a tool that inverts the email interface, by focusing it on people rather than messages; and (v) Place Pulse and StreetScore (pulse.media.mit.edu streetscore.media.mit.edu), which are crowd-sourcing and machine learning tools we have developed to help understand the aesthetic aspects of cities and their evolution.

Host: Marcos Kiwi
Date: Thursday December $18, 2014 - 16:00$. Place: Sala $B204$