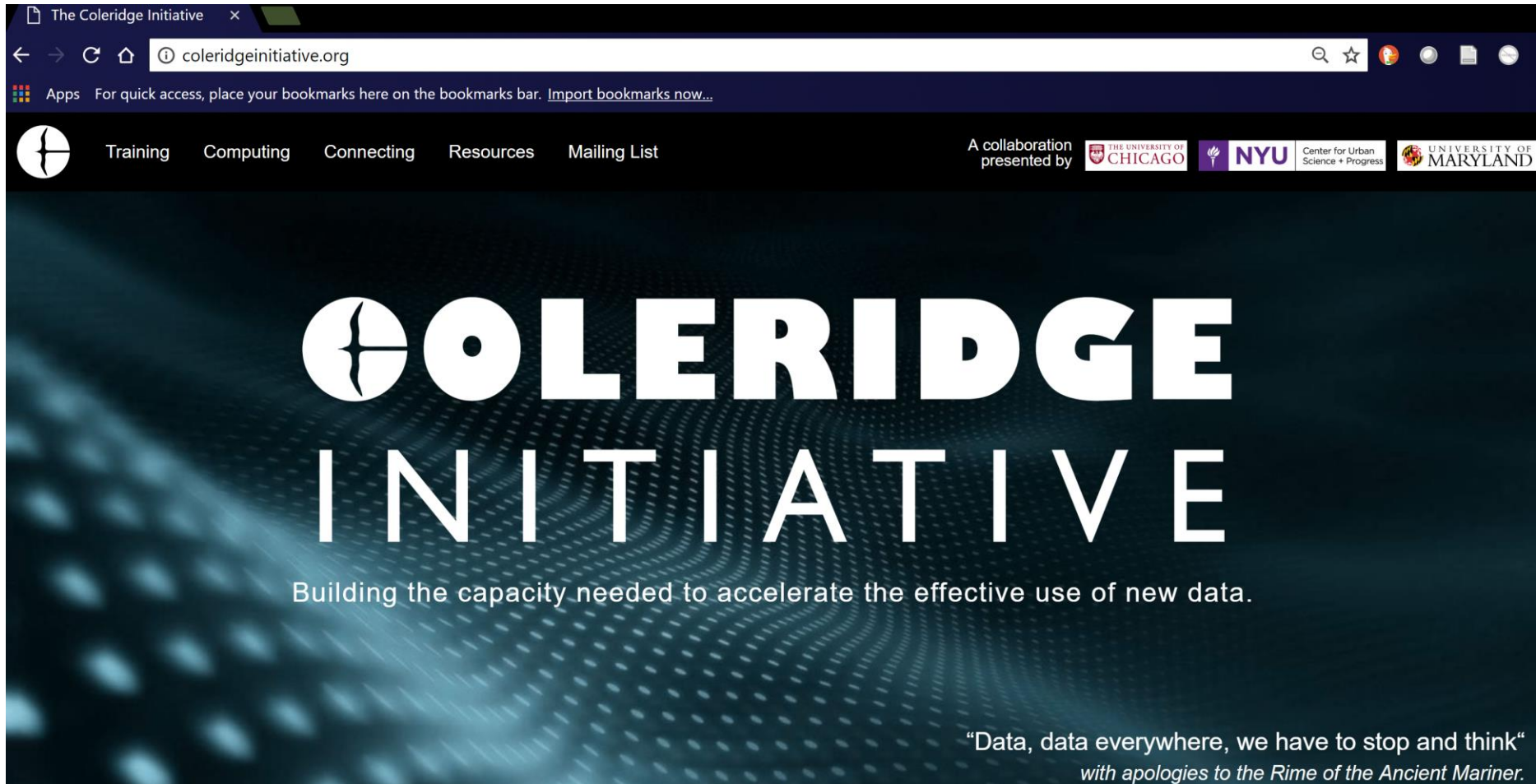# The Administrative Data Research Facility
(or, data, data, everywhere – we need to stop and think)

Julia Lane

New York University

Key ideas

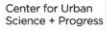## Transform Data Use

A Locally Based Initiative to Support People and Communities by Transformative Use of Data

JULIA LANE, DAVID C. KENDRICK, DAVID T. ELLWOOD

The data revolution is transforming how executives manage operations and businesses deliver goods and services. Yet when it comes to helping people escape poverty, the revolution has barely begun.

DOWNLOAD THIS PAPER
Full Idea Paper
Summary >

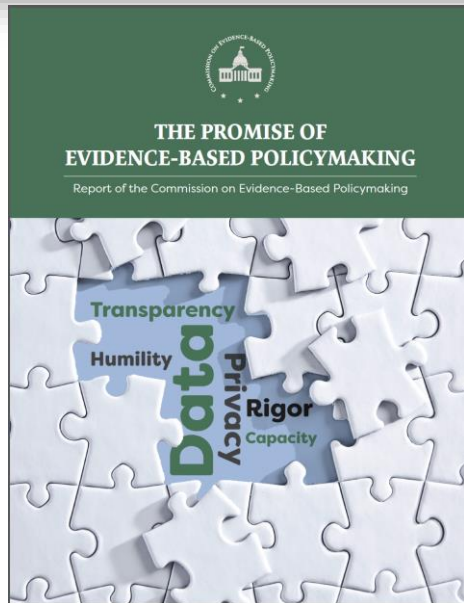SIGN UP FOR OUR NEWSLETTER

SHARE

H.R. 1831: Evidence-Based Policymaking Commission Act of 2016

Introduced: **Apr 16, 2015**
114th Congress, 2015–2017

Status: **Enacted — Signed by the President** on **Mar 30, 2016**
This bill was enacted after being signed by the President on March 30, 2016.

Law: Pub.L. 114-140

Sponsor: **Paul Ryan**
Representative for Wisconsin's 1st congressional district
Republican

Text: **Read Text »**
Last Updated: Mar 18, 2016
Length: 5 pages

THE PROMISE OF EVIDENCE-BASED POLICYMAKING

Report of the Commission on Evidence-Based Policymaking

Transparency
Humility
Data
Privacy
Rigor
Capacity

PERFORMANCE.gov

Management Priorities ⌄   Agencies ⌄   About ⌄   News

Overview
Key Performance Indicators
Key Drivers of Transformation
IT Modernization
Data, Accountability and Transparency
People - Workforce for the 21st Century
Cross-Cutting Priority Areas
Improving Customer Experience
Sharing Quality Services
Shifting From Low-Value to High-Value Work
Functional Priority Areas
Category Management
Results-Oriented Accountability for Grants
Getting Payments Right
Federal IT Spending

Leveraging Data as a Strategic Asset

Goal Leaders

Pradeep Belur,
Chief of Staff, Small Business Administration

Karen Dunn Kelley,
Under Secretary of Economic Affairs and Acting Deputy Secretary, Department of Commerce

Jack Wilmer,
Senior Advisor for Cybersecurity and IT Modernization, Office of

Goal Statement

Leverage data as a strategic asset to grow the economy, increase the effectiveness of the Federal Government, facilitate oversight, and promote transparency.

The Challenge

The use of data is transforming society, business, and the economy. Data provided by the Federal Government have a unique place in society and maintaining trust in Federal data is pivotal to a democratic process. The Federal Government needs a robust, integrated approach to using data to deliver on mission, serve customers, and steward resources while respecting privacy and confidentiality.

"If HP only knew what HP knows, we would be much more profitable"

(former CEO Lew Platt)

Our approach

Secure **computing & analytics** platform

Analytics **training** programs

SAFE DATA STRATEGY

Safe People
approved, trained researchers

Safe Settings
only access data in a secure environment

Safe Projects
approved projects consistent with agency mission

Safe Outputs
review to limit disclosure before data are released

Result in Safe Data

UPCOMING TRAINING PROGRAMS

Spring 2018
Kansas City, MO
Application Closed

Summer 2018
Chicago, IL
Apply by May 18, 2018

Fall 2018
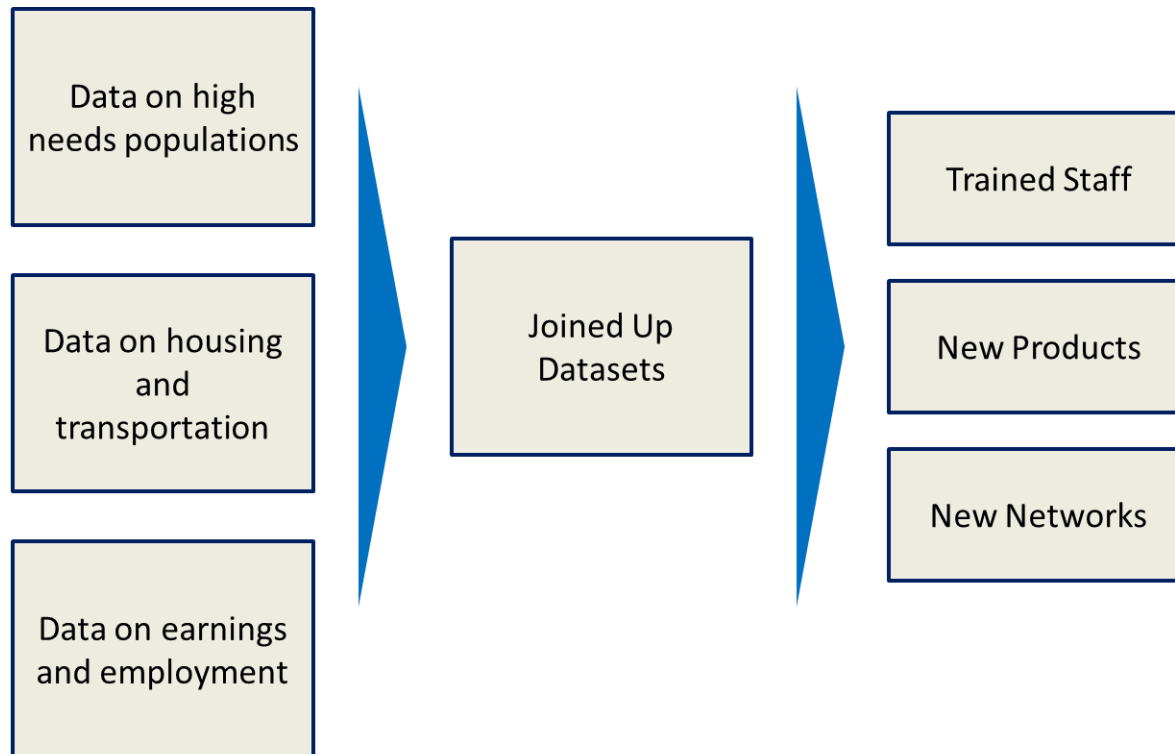Washington, D.C.
Apply by August 31, 2018

Winter 2019
New York, NY
Apply by November 30, 2018

Specifics

Data on high needs populations

Data on housing and transportation

Data on earnings and employment

Joined Up Datasets

Trained Staff

New Products

New Networks

Networks: >90 govt agencies; >200 participants

Q4 - How has your participation in the program changed your work in the last year?

Are there skills that could be added to the course? If so, which skills?

Surprisingly (to me), it was the networking within the class that had the most impact. My organization is currently involved in a project with two other classmates (from two separate organizations), and getting to know them in the class environment was very helpful. We also hired a third classmate into our agency based upon her performance in class; she has had a noticeable impact on our project.

Understanding of techniques and programs that I previously had no visibility on.

It's something that I said before, but hearing the topics in the class taught by experts felt as though a veil was lifted.

I can speak more eloquently about data science, but haven't changed my day to day use of SPSS. I do hope in the next year I'll be able to merge some new data we just collected with other public datasets using the skills learned in this class.

I have been trying to shift my work from sinmple reporting to more complex analytics to provide better insights, propose solutions, and help improve organizational performance.
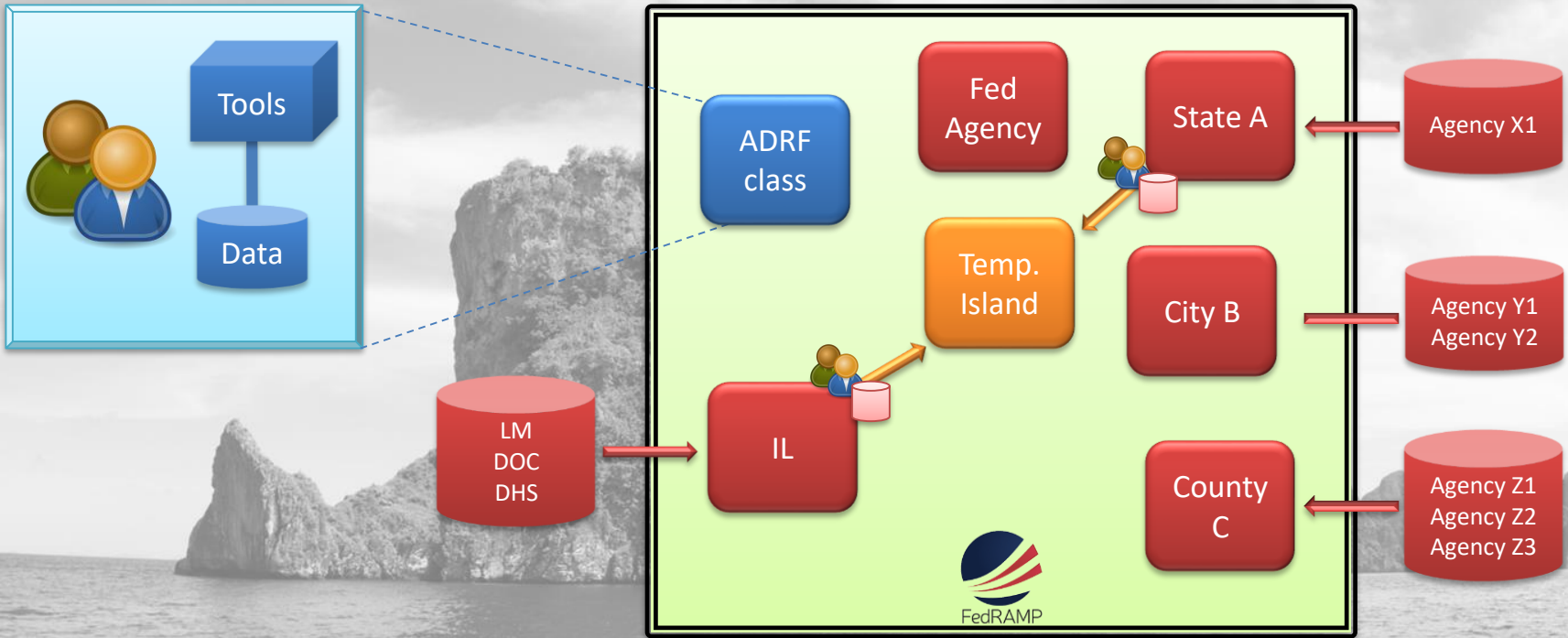
ADRF

Products: Corrections and Employment

Figure 2 Cluster Analysis: Five clusters were identified from the trajectories.

Table 1 summarizes the median time spent in different states for each cluster.

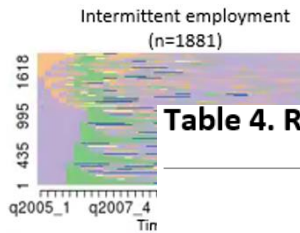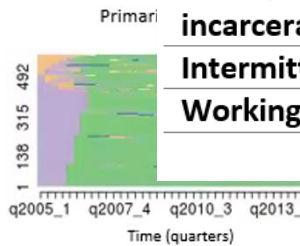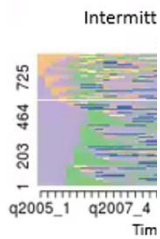**Table 1. Median Time Spent in Each State by Cluster**

Table 4. Recidivism Rates by Cluster

|	At least one incident of recidivism	At least one technical violation	Technical violations as a percent of recidivism
Full cohort	53%	31%	60%
Primarily incarcerated	41%	26%	65%
Intermittent employment	66%	39%	58%
Unemployed after initial incarceration	23%	14%	61%
Intermittent incarceration	99%	66%	67%
Working after incarceration	43%	21%	49%

Tailored and Customizable Metrics
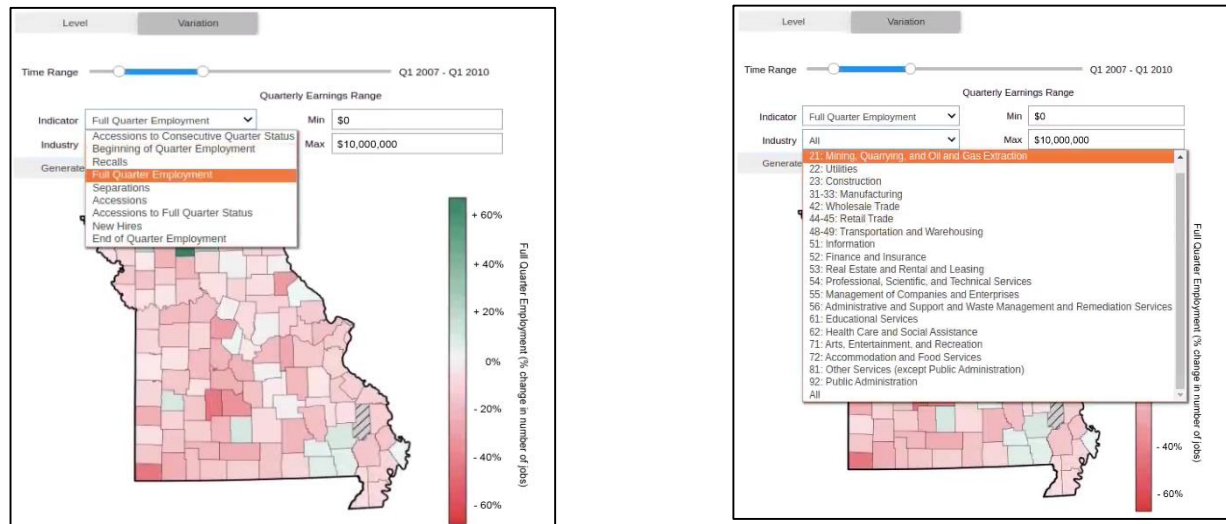
Fig. 2: Dashboard metrics (left) and industry subsets (right)
The dashboard can visualize different metrics (left) – including QWI metrics developed in in the context of the Census LEHD program –, subsetting the data by different industries (right).
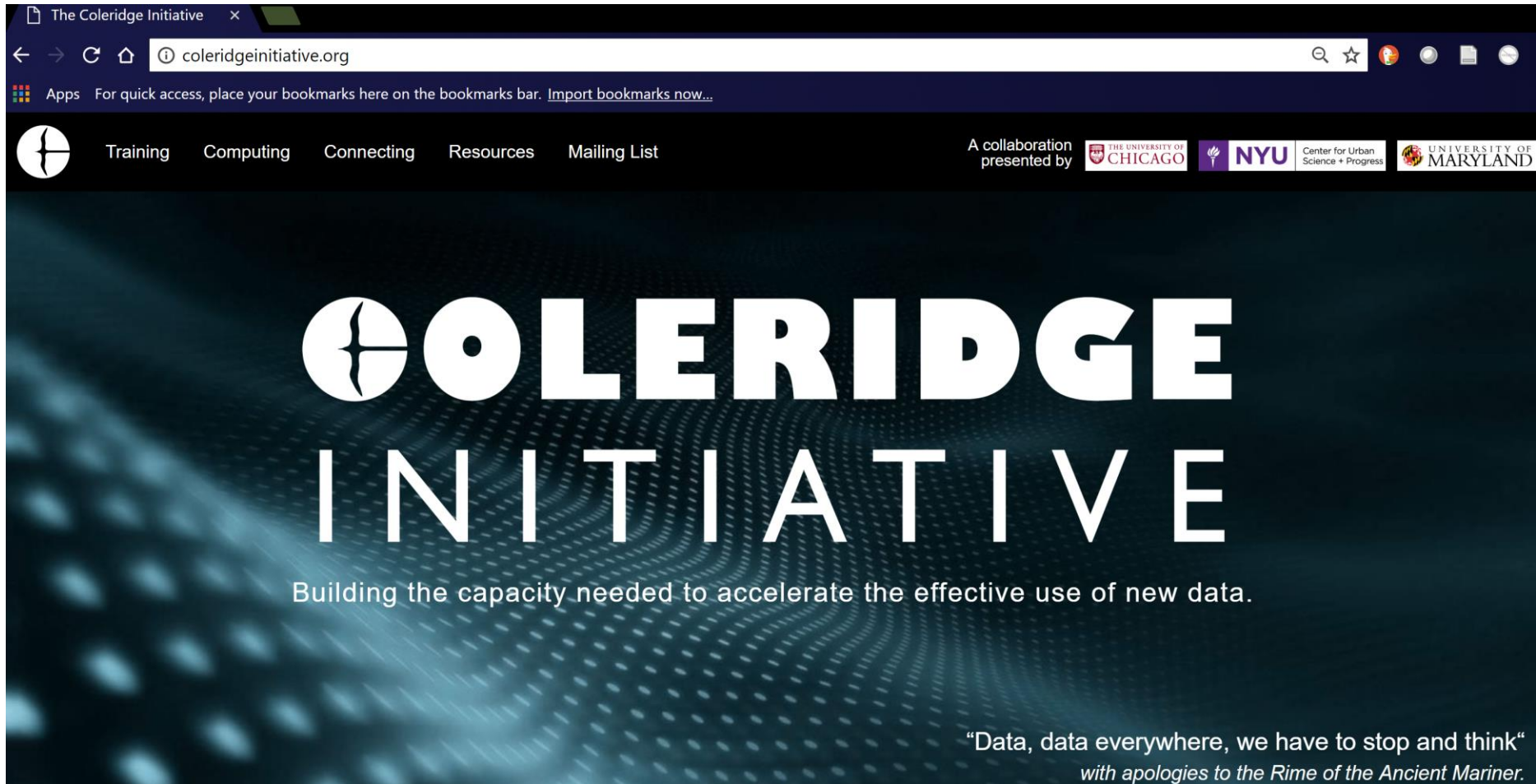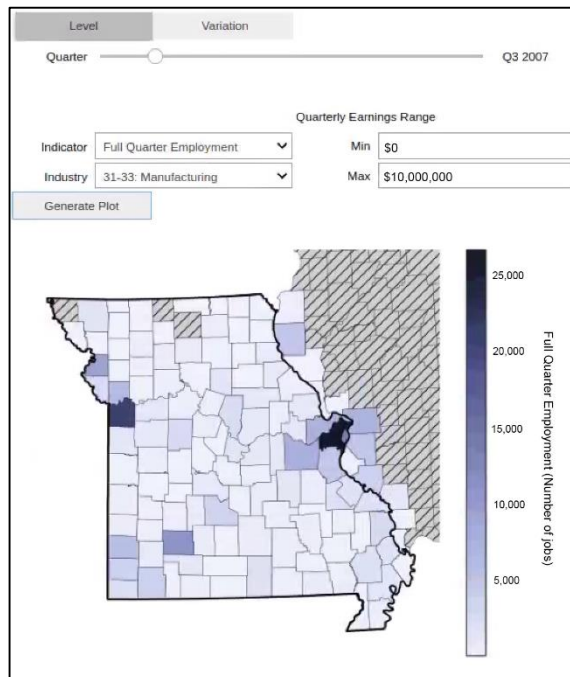
Comparing Employment Dynamics Across Borders

Fig. 3: Comparing total earnings with Illinois border counties

The dashboard can include border counties from the states that provide data to the ADRF.

Key ideas

Comments welcome

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- Julia.lane@nyu.edu