The Problem

To Inform Decisions, Public and Private Organizations Need to Work With Multiple Streams of Data.

Merging, Matching, Visualizing, & Analyzing Multiple Data Streams is Costly.

— — Automation Challenge — —

— — Analytical Challenge — —

— — Distribution Challenge — —

— — Integration Challenge — —

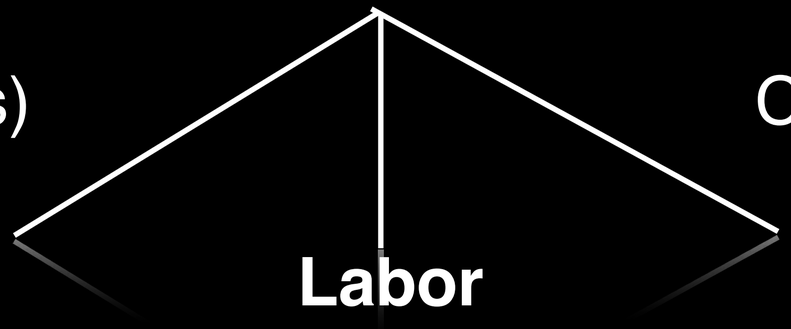
Transportation
(Dep of Transp.)

Health
(Dep. of Health,
Insurance Providers)

Economy

Demographics
(Census,
Civil Registry)

...



Trade
(Customs)

Labor
(Social Security)

Income
(Tax Authority)

State of the Art

Ministerio de Modernización
Presidencia de la Nación

DATASETS ORGANIZACIONES CON DATOS ACERCA

Datos Argentina

Ponemos a tu alcance datos públicos en formatos abiertos para que puedas usarlos, modificarlos y compartirlos. **Estos datos son tuyos.** Podés crear visualizaciones, aplicaciones y grandes herramientas con ellos.

213
DATASETS

015
ORGANIZACIONES CON DATOS

¿Qué dataset buscás?

- Agroganadería, pesca y forestación
- Asuntos internacionales
- Ciencia y tecnología
- Economía y finanzas
- Educación, cultura y deportes
- Energía
- Gobierno y sector público
- Justicia, seguridad y legales
- Medio ambiente
- Población y sociedad
- Regiones y ciudades
- Salud
- Transporte

DATA.GOV
DATA
TOPICS
IMPACT
APPLICATIONS
DEVELOPERS
CONTACT
The home of the U.S. Government's open data
Here you will find data, tools, and resources to conduct research, develop web and mobile applications, design data visualizations, and more.
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SEARCH OVER 197,575 DATASETS
Monthly House Price Indexes
BROWSE TOPICS
Agriculture
Climate
Consumer
Ecosystems
Education
Energy
Finance

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Learn more about opendata.swiss

2,350
Datasets

zurich

Categories

Administration 39
Agriculture, forestry 202
Construction and housing 188
Crime, criminal justice 9
Geography 991
Health 60
Industry and services 45
Legislation 13
Prices 15
Public order and security 17
Social security 66
Statistical basis 4

FAIL ——Automation Challenge ——

FAIL ——Analytical Challenge ——

FAIL ——Distribution Challenge ——

FAIL ——Integration Challenge ——

Transportation
(Dep of Transp.)

Health
(Dep. of Health,
Insurance Providers)

Economy

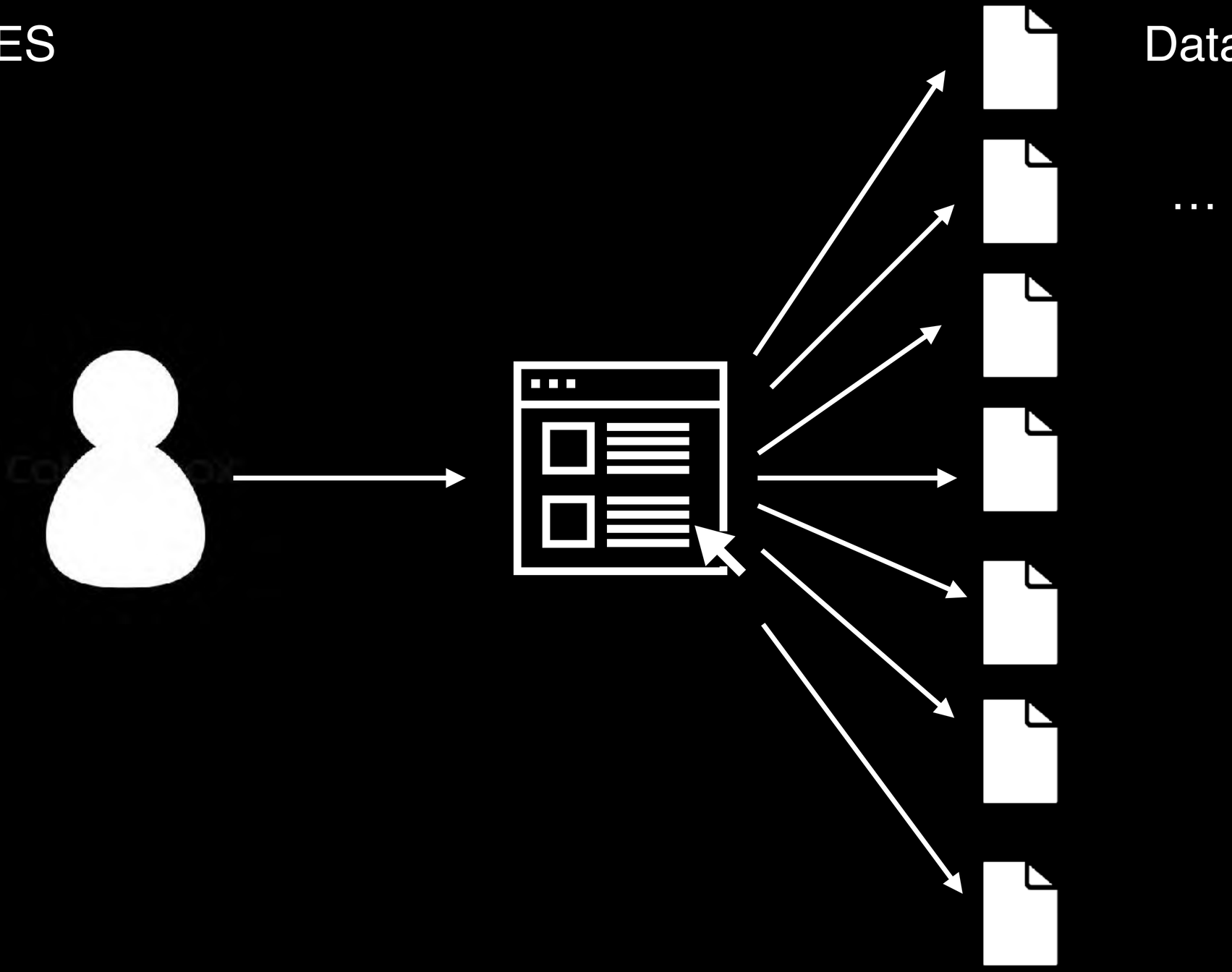
Demographics
(Census,
Civil Registry)

Trade
(Customs)

Labor
(Social Security)

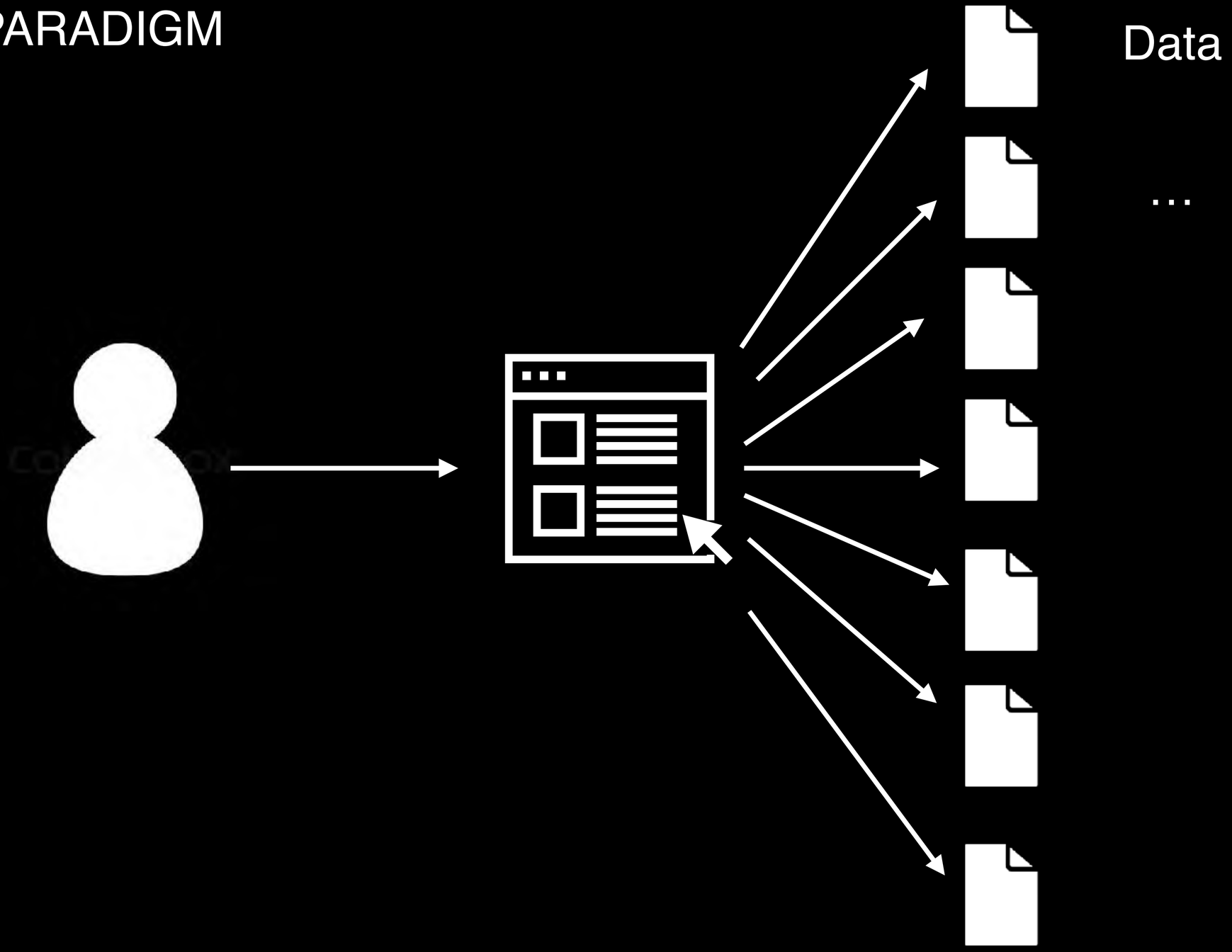
Income
(Tax Authority)

DATA AS FILES



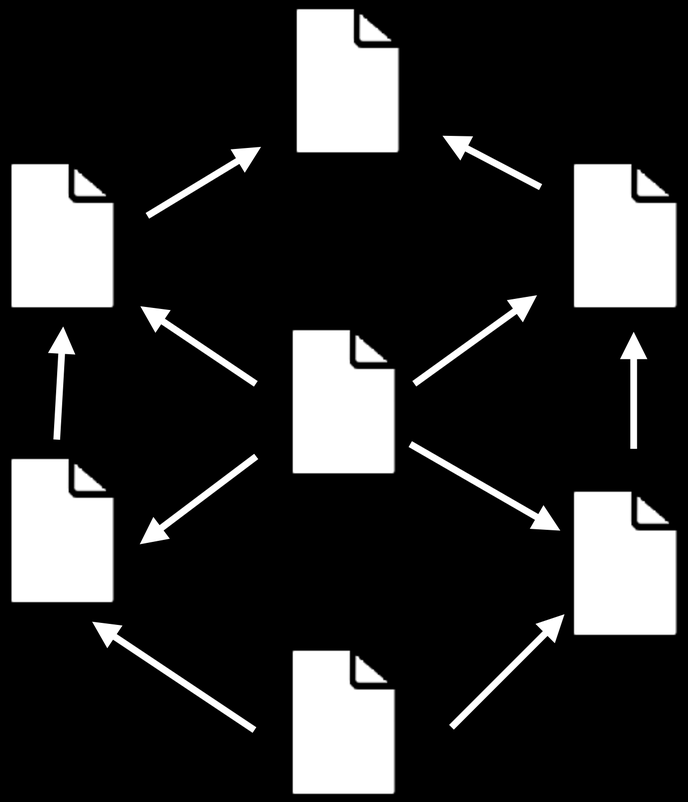
DATA AS STORIES

CHANGING PARADIGM



DATA STORIES PARADIGM

Integrate Data

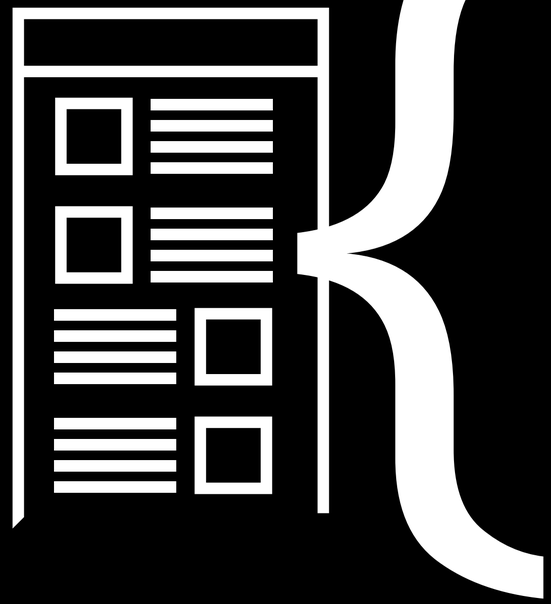


Extract and Match Entities and Indicators

Entities
(Los Angeles, Valparaiso, Engineer, Coal Mining, etc)

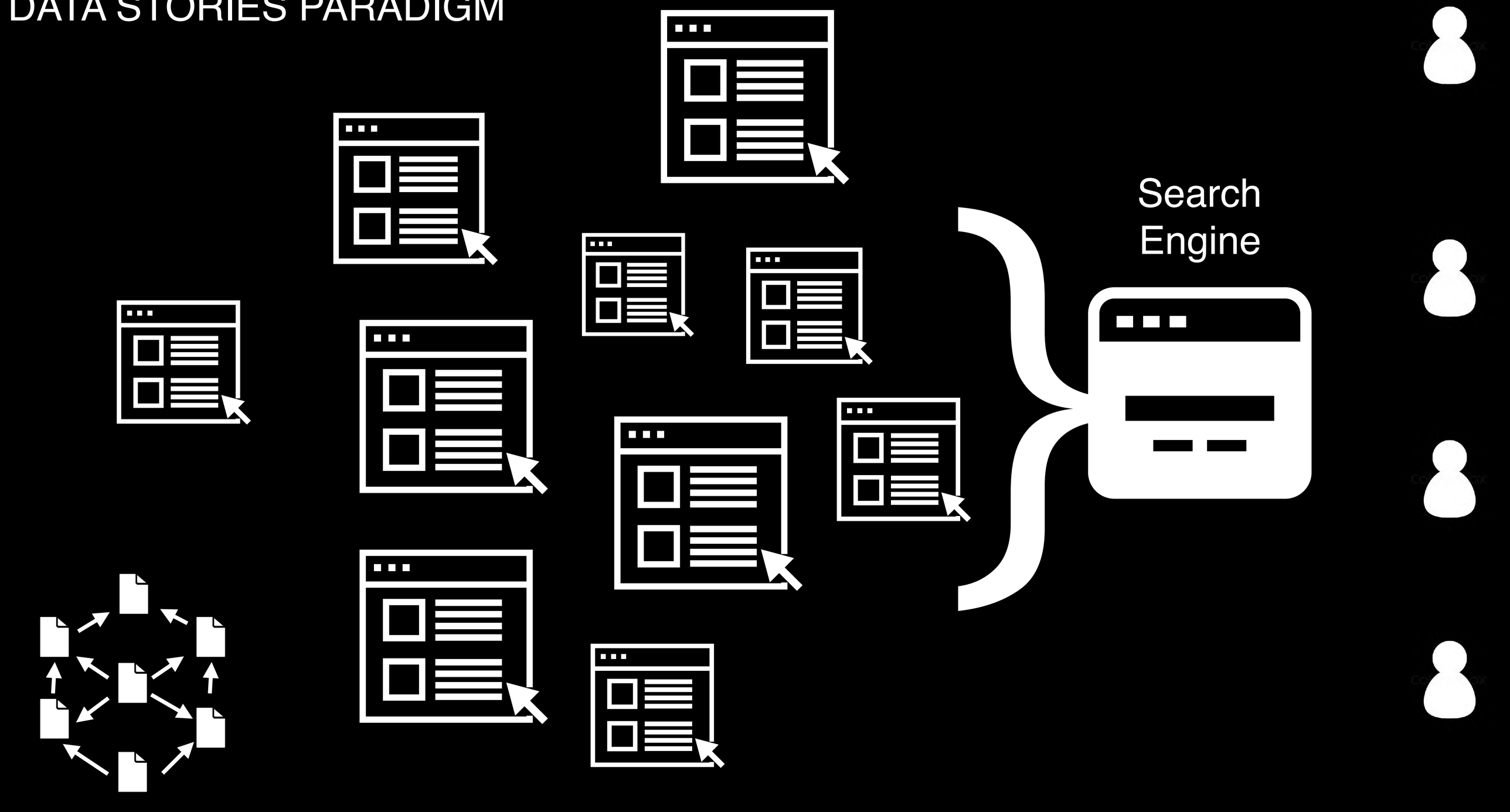
Variables
(Exports, Income, Employment, University Admission Scores, Health Insurance Cost & Coverage)

Build Integrated Stories



Economy
-Trade
-Income
-Employment
-Industries
-Opportunities
Education
-Quality
-Enrollment
Health
-Disability
-Insurance
-Conditions
-Causes of Death
Housing
-Size
-Materials
-Distance to Amer
Demographics
-Diversity
-Immigration
-Languages
...

DATA STORIES PARADIGM



AUTONOMOUS GOVERNMENTS

Customs

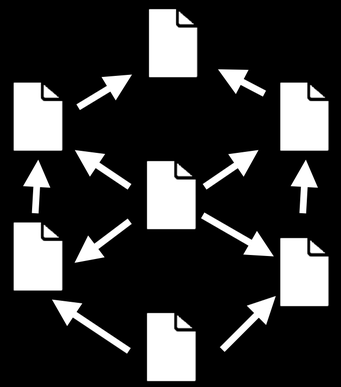
Education

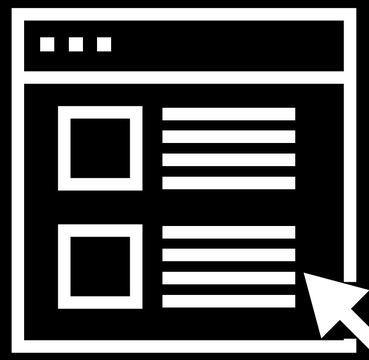
Income

…

Housing

DATA STORIES PARADIGM

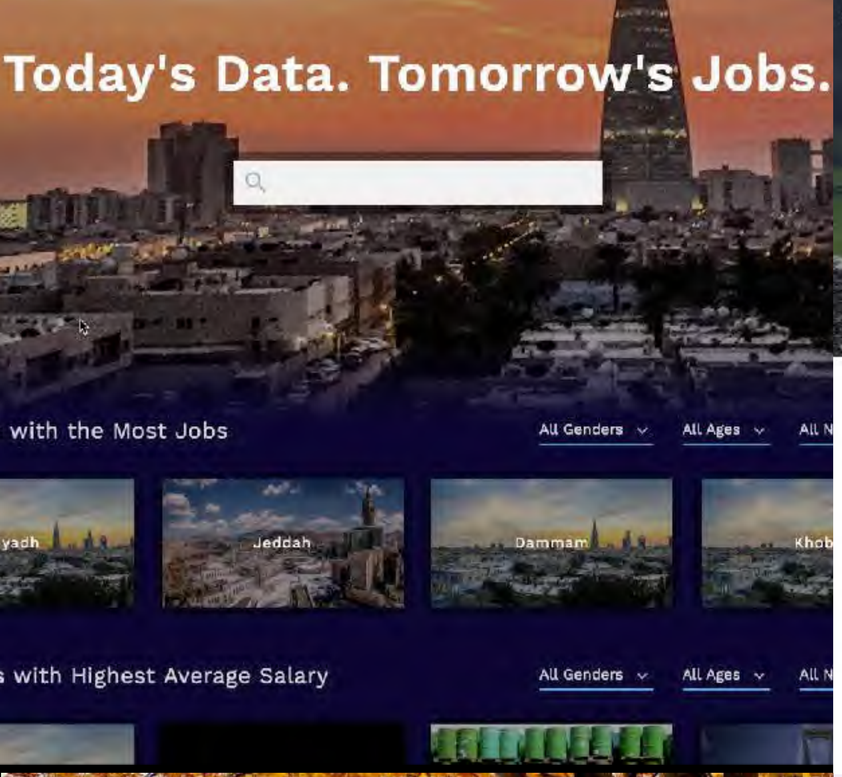




Automated Reporting

AI Decision Making

Data Driven Managemen



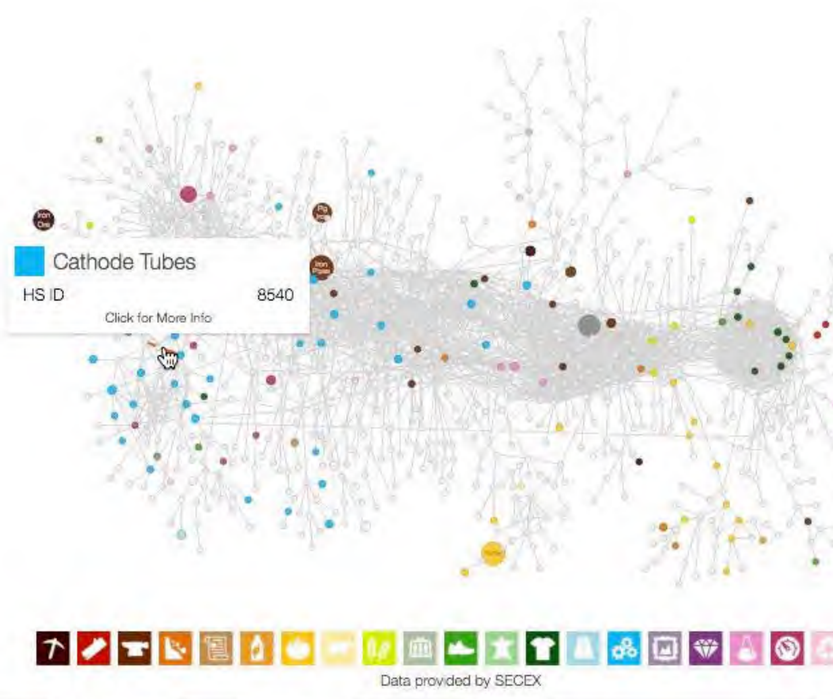
Visualizations

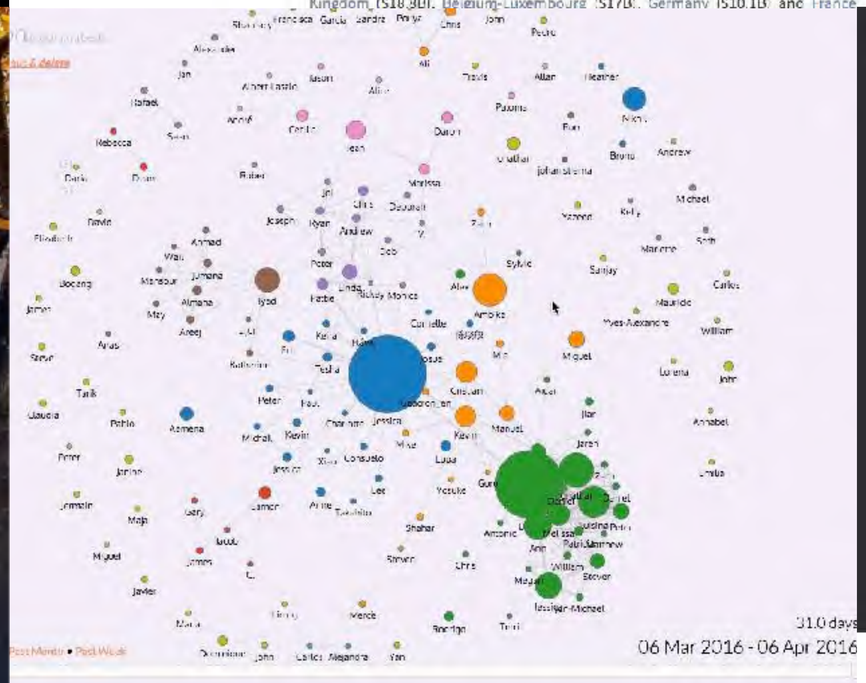
- Exports
- Imports
- Trade Balance
- Destinations
- Origins
- Product Space
- Economic Complexity Ranking
- DataViva
- Pantheon

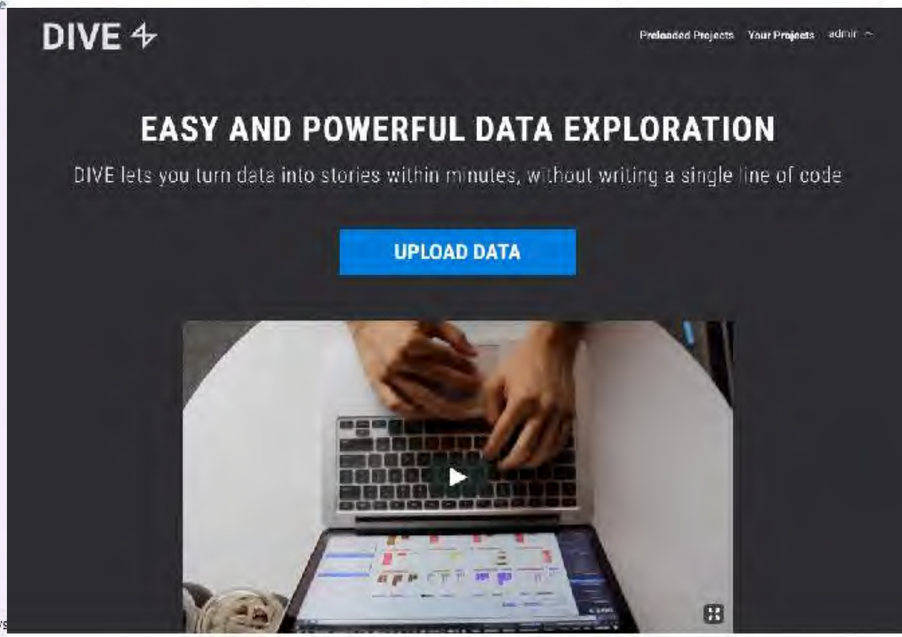
Ireland is the 35th largest export economy in the world and the 15th most complex economy according to the Economic Complexity Index (ECI). In 2013, Ireland exported $134B and imported $69.2B, resulting in a positive trade balance of $65.3B. In 2013 the GDP of Ireland was $232B and its GDP per capita was $45.7k.

The top exports of Ireland are Nitrogen Heterocyclic Compounds ($19.4B), Packaged Medicaments ($19.1B), Scented Mixtures ($7.03B), Human or Animal Blood ($6.51B) and Computers ($5.36B), using the 1992 revision of the HS (Harmonized System) classification. Its top imports are Refined Petroleum ($4.41B), Packaged Medicaments ($3.65B), Planes, Helicopters, and/or Spacecraft ($2.4B), Computers ($2.29B) and Crude Petroleum ($2.25B).

The top export destinations of Ireland are the United States ($22.2B), the United Kingdom ($18.9B), Belgium-Luxembourg ($17B), Germany ($10.1B) and France







Google Search I'm Feeling Lucky

Where's Waldo? Find out on Google Maps

Google offered in: Español (Latinoamérica)

OEC
COUNTRIES
PRODUCTS
VISUALIZATIONS
RANKINGS
PUBLICATIONS
RESOURCES
API
TREE MAP
STACKED
COUNTRY
Exports
Imports
Export Destinations
Import Origins
PRODUCT
Exporters
Importers
BILATERAL
Exports to Destination
Imports from Origin
Exports by Product
Imports by Product
NETWORK
RINGS
GEO MAP
SCATTER
PARTNER
All
PRODUCT
Cars
TRADE FLOW
Export
DATASET
HS92
YEAR
2013
BUILD VISUALIZATION
Which countries export Cars? (2013)
2011
Germany
22%
United Kingdom
6.0%
Spain
4.3%
France
3.3%
Italy
1.6%
Hungary
Poland
0.91%
Czech Republic
2.2%
Belgium...
3.5%
Slovakia
2.1%
Romania
Portugal
SVN
Sweden
Austria
Japan
15%
South Korea
6.4%
Thailand
Turkey
1.1%
1.1%
India
IDN
0.82%
Chile
Brazil
Argentina
United States
8.3%
Canada
6.8%
Mexico
4.9%
South Africa
Depth
Continent
Country
Show All Years
Color
Category
Share
Download

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Advanced
Data
Rankings
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pt
Which occupations make Fruit Juice?
Examine the common industries for a product.
Minas Gerais, Iron Ore, Leather Tanning, etc.
Quick Links
NEW
NEW
NEW
2013
Top Exporting Municipalities
1. Parauapebas
USD 7.62B
2. Rio de Janeiro
USD 7.49B
3. São Paulo
USD 7.32B
4. Angra Dos Reis
USD 5.84B
5. São José Dos Campos
USD 4.6B
6. Santos
USD 4.36B
7. Paranaguá
USD 4.3B
8. Itajaí
USD 3.92B
9. São Bernardo do Campo
USD 3.59B

PROFILES
LOCATIONS
INDUSTRIES
OCCUPATIONS
EDUCATION
STORIES
MAPS
DATA
ABOUT
DATA USA
THE MOST COMPREHENSIVE
VISUALIZATION OF U.S. PUBLIC DATA
2016
Chic
All
Search
Chic
PLAC
Chic
Metro Area
METR
Chicag
ghts, IL
PLACE
Chical, NM
PLACE
Chicago Ridge, IL
SHOW ALL RESULTS (5 MORE)
PROFILE
ECONOMY
STATE
PROFILE
ECONOMY
PLACE
PROFILE
EMPLOYMENT
DETAILED OCCUPATION

DATA AFRICA

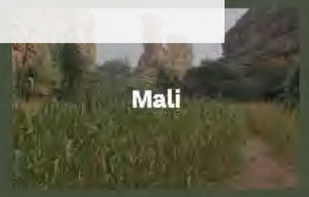
Search Map

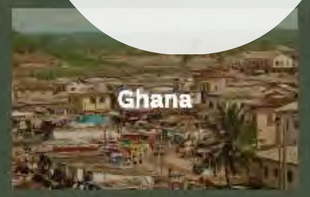
Data Africa is an open source agriculture, climate, poverty, and health visualization engine.

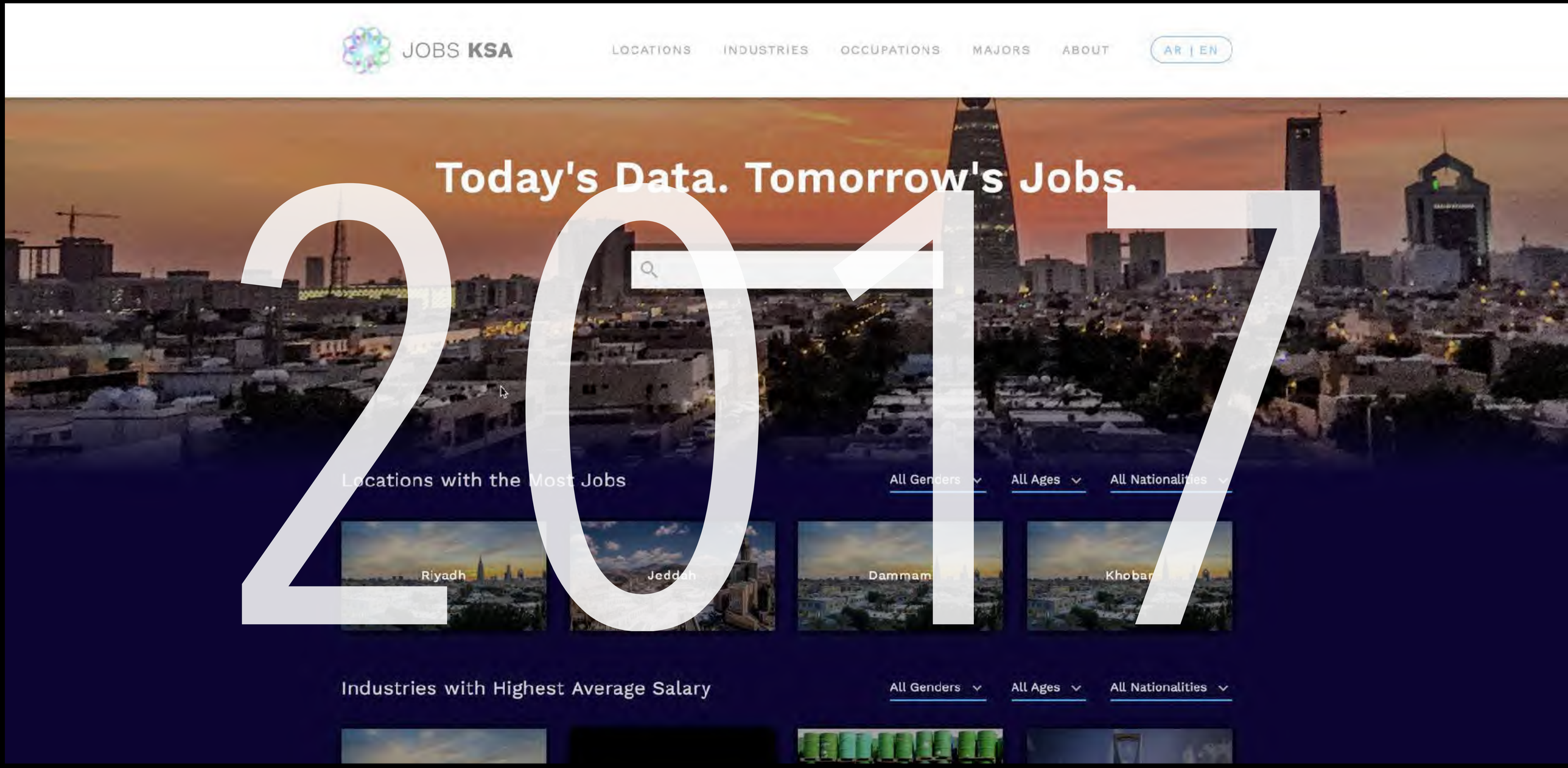
Enter a location

EXPLORE COUNTRIES

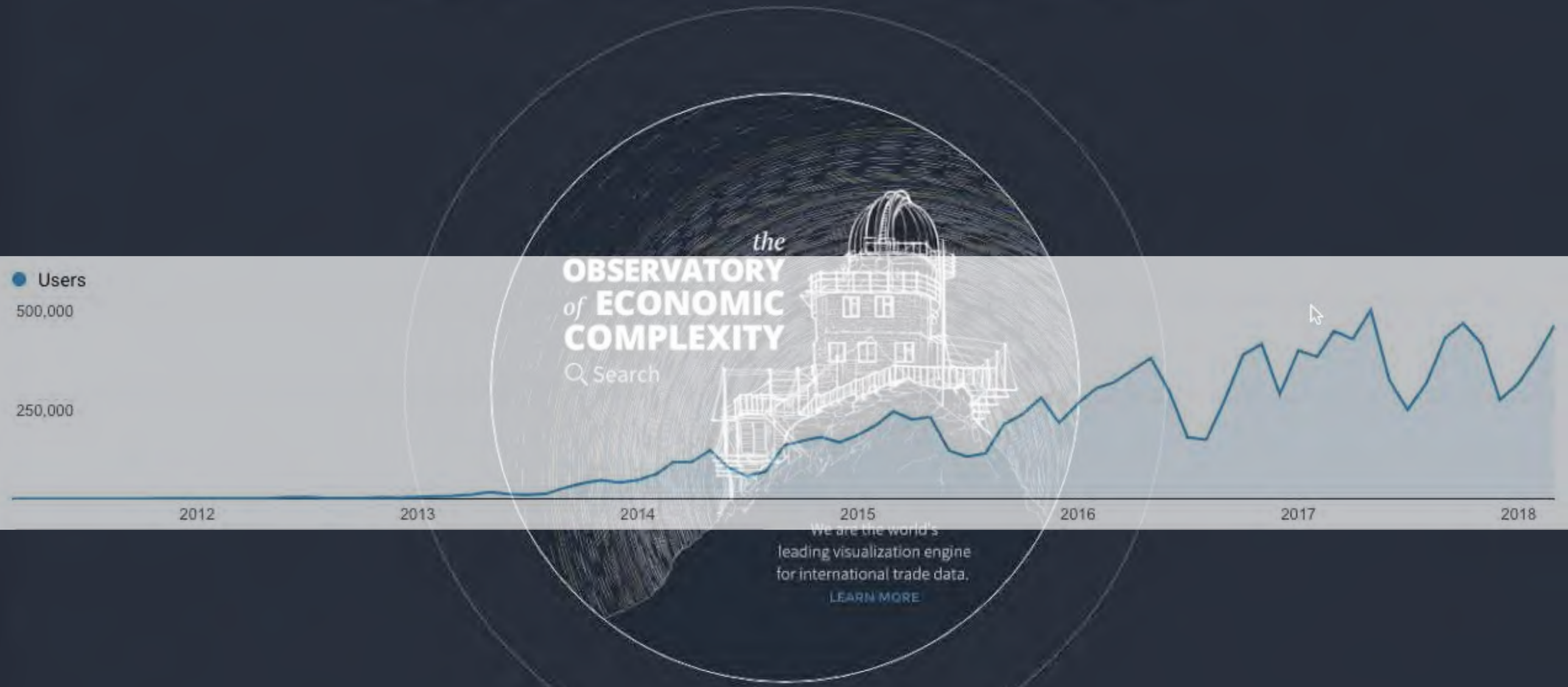
2017






JOBS KSA
LOCATIONS
INDUSTRIES
OCCUPATIONS
MAJORS
ABOUT
AR | EN
Today's Data. Tomorrow's Jobs.
2017
Locations with the Most Jobs
All Genders
All Ages
All Nationalities
Riyadh
Jeddah
Dammam
Khobar
Industries with Highest Average Salary
All Genders
All Ages
All Nationalities

DataChile
beta
El esfuerzo más completo para integrar y visualizar los datos públicos de Chile
Busque ligares, industrias, productos
EXPLORAR PERFILES
2018
GEOGRÁFICO
PAISES
PRODUCTOS
INDUSTRIAS
CARRERAS
INSTITUCIONES



the OBSERVATORY of ECONOMIC COMPLEXITY

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ex: California Hospitals Graphic Design

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NEW

OPIOID OVERDOSE DEATH RATE (AGE-ADJUSTED) BY STATE

NEW YORK, NY

ELEMENTARY & MIDDLE SCHOOL TEACHERS

NEW

DIABETIC LIPID TESTS BY COUNTY

HOW FAR D
FROM OPIOI
EXT
BY WESTO

US Census Site (2017)

DataUSA (2016)

Planned US Census Site (20XX)

FAIL ——Automation Challenge ——

FAIL ——Analytical Challenge ——

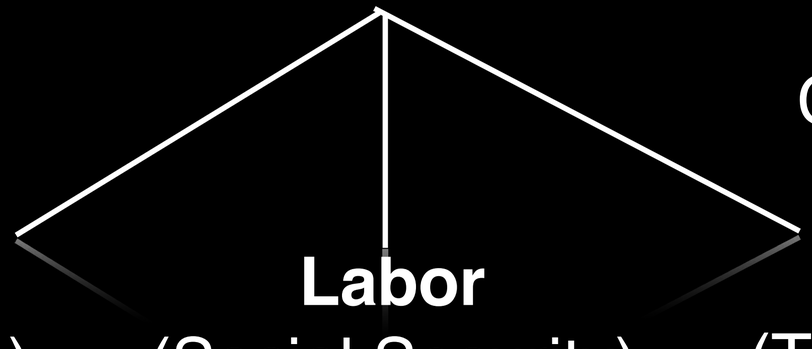
+/- ——Distribution Challenge ——

WIN ——Integration Challenge ——

Transportation
(Dep of Transp.)

Health
(Dep. of Health,
Insurance Providers)

Economy



Demographics
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DATA USA
SEARCH, MAP, COMPARE, AND DOWNLOAD U.S. DATA
ex: California, Hospitals, Graphic Design
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Deloitte.
Datawheel
Maps
Cities & Places
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Latest Stories
NEW
MEDICARE REIMBURSEMENTS BY COUNTY
NEW YORK, NY
ELEMENTARY & MIDDLE SCHOOL TEACHERS
NEW
DIABETIC LIPID TESTS BY COUNTY
NEW
HOW FAR DOES DAMAGE FROM OPIOID ADDICTION EXTEND?
BY WESTON COWARD
NEW
unbird.datausa.io/map

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(Tax Authority)

Randomized Experiment with 70 subjects

(professional data scientists, 92.5% with advanced degree)

Dataset with salaries, experience, and accomplishments of 1000 professors in a hypothetical university

Do you expect a gender wage difference favoring men or women?

90% said Men

Did the data confirm or reject your hypothesis? (reject was right answer)

57% Excel users were correct*

80% DIVE users were correct

*the average subject has used excel for +11 years and +5 hours a week. Nobody was familiar with DIVE before the experiment.

Analytics + Integration:

Does commuting alone correlate with higher obesity?

Obesity Data: Department of Health.
Commute Time Data: Department of Transportation.
Income Data: Ministry of Economy or Finance.
Demographic Data: Census or Survey.

TOPICS

Health Risks

RISK INDICATORS:

Obesity Prevalence

STATE | COUNTY

The percentage of adults that report a BMI greater than or equal to 30

Top 10 Locations

1.	Claiborne County, MS	47.6%
2.	Greene County, AL	46.3%
3.	Holmes County, MS	46.1%
4.	Phillips County, AR	45.5%
5.	Lowndes County, AL	45.1%
6.	Wilcox County, AL	44.9%
7.	Macon County, AL	44.7%
8.	Jefferson County, MS	44.5%
9.	Barbour County, AL	44.4%
10.	Lee County, SC	44.3%

Bottom 10 Locations

3127.	Pitkin County, CO	14.9%
3128.	Gunnison County, CO	14.8%
3129.	New York County, NY	14.7%
3130.	Summit County, UT	14.4%
3131.	Routt County, CO	14.3%
3132.	Santa Fe County, NM	13.7%
3133.	Boulder County, CO	13.4%
3134.	Summit County, CO	13.1%
3135.	Teton County, WY	12.7%
3136.	Eagle County, CO	11.8%

Source: County Health Rankings

Data at: University of Wisconsin

Hold SHIFT for box zoom

Map tiles by CartoDB

View Data | Save Image | Share/Embed | Add Data to Cart

10.7% 20.3% 24.7% 27.8% 30.2% 32.5% 35% 38.4% 48.1%

Obesity Prevalence 2015 2016 **2017**

FAIL —— **Automation Challenge** ——

WIN —— **Analytical Challenge** ——

WIN —— **Distribution Challenge** ——

WIN —— **Integration Challenge** ——

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(Dep of Transp.)

Health
(Dep. of Health,
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(Census,
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(Customs)

Labor
(Social Security)

Income
(Tax Authority)

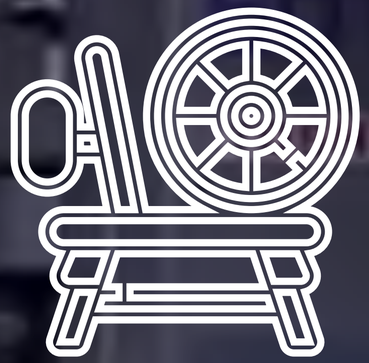
6016
TOSHIBA

KOMATSU

From an A.I. of units, to an A.I. of systems

CLASSIC PATH TO AUTOMATION

Identify Problem

Create Tool

Automate User