Center *for* Research Libraries
GLOBAL RESOURCES NETWORK

May 17, 2018

Data, Platforms, and the Global Data Supply Chain

Jill Blaemers
Senior Editor, Data-Planet
A SAGE Publishing Resource

THE *NEW*
GLOBAL
RESOURCES
SUPPLY
CHAIN

Agenda

- Introduction
- Background on Data Planet
- Background on the SAGE acquisition of Data Planet
- Implications for SAGE's scholarly communications platforms
- Implications for academic access to data and research
- Implications for academic libraries in provisioning materials

A li

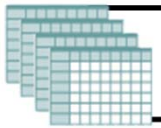
These photos by Unknown Authors are licensed under CC BY-SA

Data Planet background

- Founded by Richard Landry, Data Planet CEO, now Director of Data Innovation with SAGE Publishing
- What is Data Planet
- How does it work

…. *Data Planet provides an excellent tool for students and scholars alike to do more sophisticated quantitative research with ease and power*….

Datasets are ingested from many types of sources



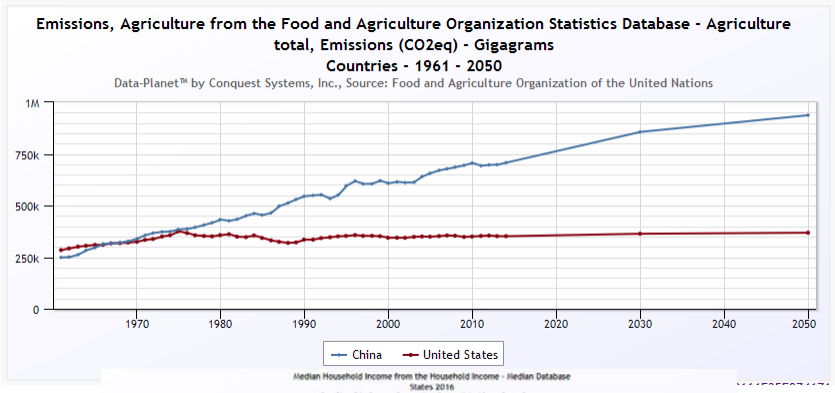
Datasets are standardized into our common structure

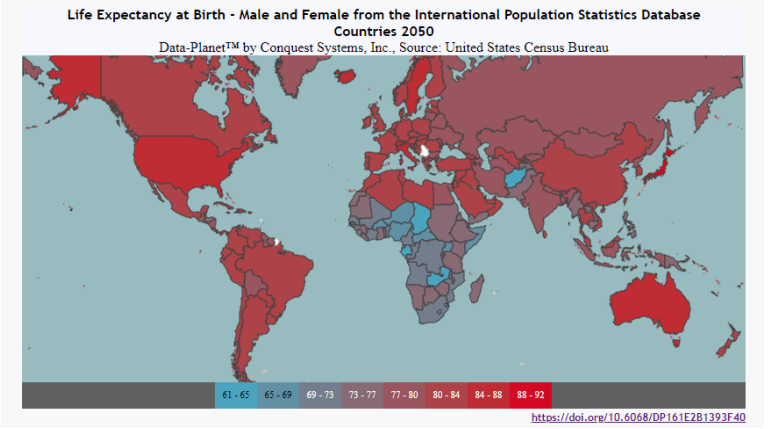
+

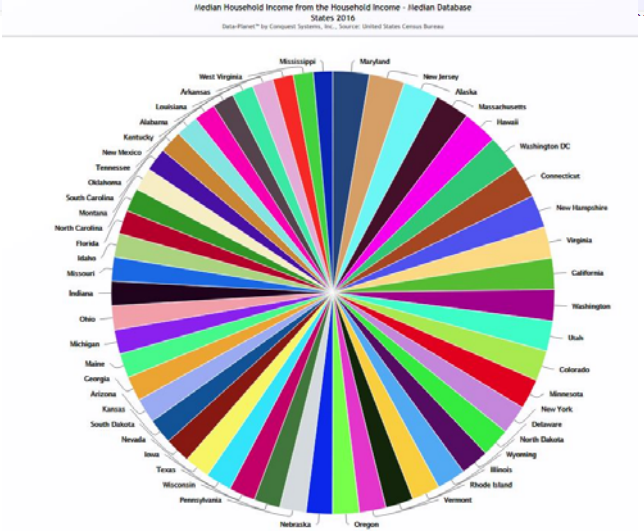
Datasets are editorialized with 37 fields of metadata

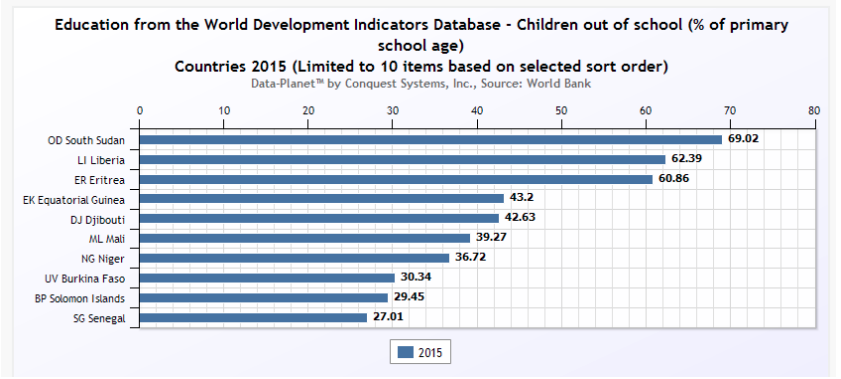
=

The result is **over 6.2 billion datasets** that can be viewed as…


Emissions, Agriculture from the Food and Agriculture Organization Statistics Database - Agriculture total, Emissions (CO2eq) - Gigagrams
Countries - 1961 - 2050
Data-Planet™ by Conquest Systems, Inc., Source: Food and Agriculture Organization of the United Nations
1M
750k
500k
250k
0
1970
1980
1990
2000
2010
2020
2030
2040
2050
China
United States

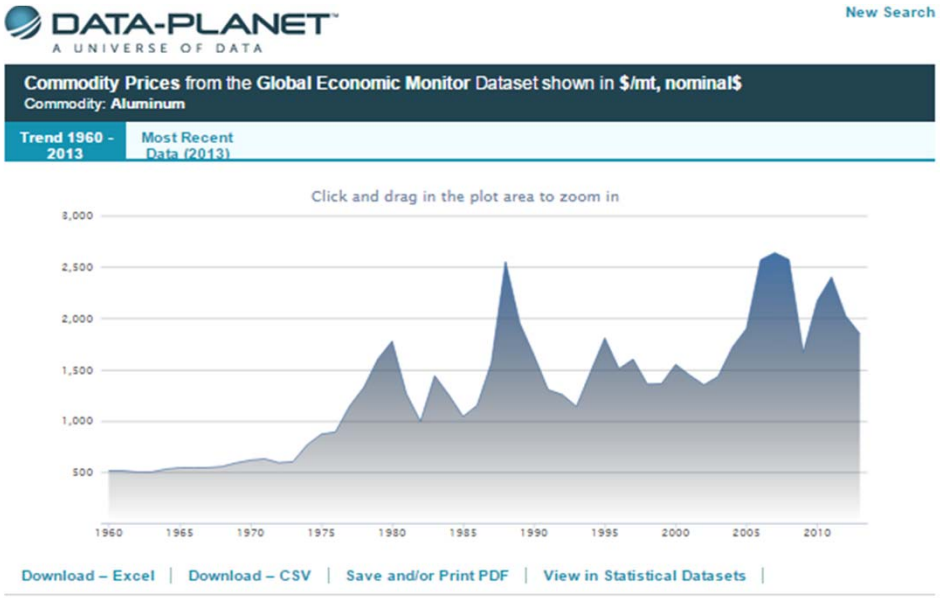

Life Expectancy at Birth - Male and Female from the International Population Statistics Database
Countries 2050
Data-Planet™ by Conquest Systems, Inc., Source: United States Census Bureau
61 - 65
65 - 69
69 - 73
73 - 77
77 - 80
80 - 84
84 - 88
88 - 92
https://doi.org/10.6068/DP161E2B1393F40


Median Household Income from the Household Income - Median Database
States 2016


Education from the World Development Indicators Database - Children out of school (% of primary school age)
Countries 2015 (Limited to 10 items based on selected sort order)
Data-Planet™ by Conquest Systems, Inc., Source: World Bank
0
10
20
30
40
50
60
70
80
OD South Sudan
LI Liberia
ER Eritrea
EK Equatorial Guinea
DJ Djibouti
ML Mali
NG Niger
UV Burkina Faso
BP Solomon Islands
SG Senegal
69.02
62.39
60.86
43.2
42.63
39.27
36.72
30.34
29.45
27.01
2015

Data Planet – by the numbers

- **75** publishers
- **454** databases
- **6+** billion datasets
- **50+** billion data points
- **40%** privately licensed data
- **30%** international data



Factors leading to acquisition by SAGE

- Sales, marketing, back office requirements of the business difficult to manage given the company's size
- Richard has a bigger vision of what the Data Planet platform can offer than he felt we were going to be able to achieve on our own

….factors like these impact the "supply chain" to the extent that they contribute to consolidation in the industry…

Why SAGE?

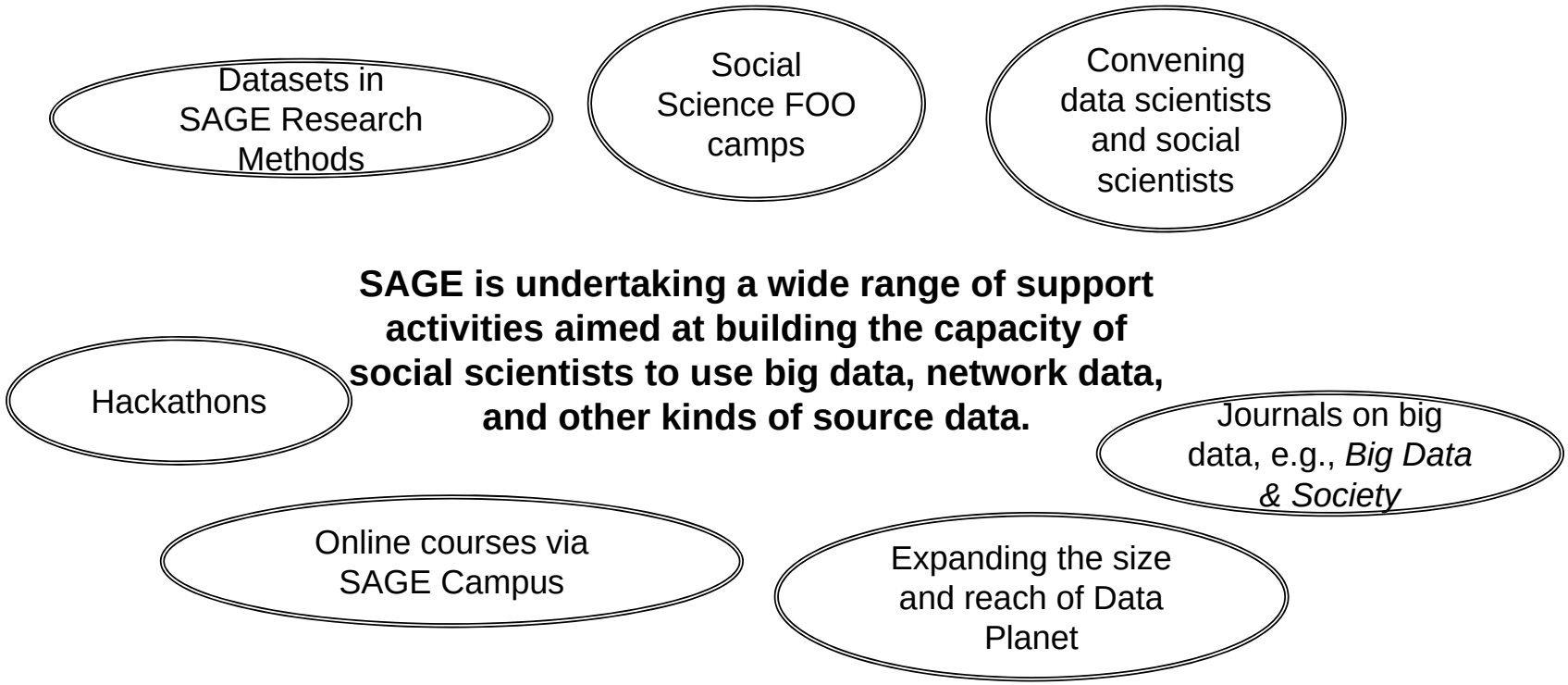
- SAGE gravitas and reputation as a partner to the academic community and academic libraries
- SAGE's demonstrated commitment to development of data-enhanced resources
- For SAGE, quantitative social sciences are a growing emphasis
- Aligned company values and culture

…..Big enough to matter and small enough to care…

SAGE Publishing

- Founded in 1965, SAGE Publishing is an independent company that disseminates journals, books, and library information resources for the educational, scholarly, and professional markets. Library products include:
  - SAGE Journals
  - SAGE Research Methods
  - SAGE Stats
  - U.S. Political Stats
  - SAGE Video
  - SAGE Business and Management
  - SAGE Knowledge
  - Primary source content

...We are starting to build data into a whole host of new products to enable our users to have direct interactions with it in the course of their study and/or research….


Datasets in SAGE Research Methods
Social Science FOO camps
Convening data scientists and social scientists
SAGE is undertaking a wide range of support activities aimed at building the capacity of social scientists to use big data, network data, and other kinds of source data.
Hackathons
Journals on big data, e.g., Big Data & Society
Online courses via SAGE Campus
Expanding the size and reach of Data Planet

Implications of Data Planet acquisition for SAGE scholarly communications platforms

- Leverage Data Planet technology across other business units/products of SAGE
- Push and pull of tangential content adding value across products/platforms
- Themes and research focus of SAGE scholarly journals and books can inform data acquisition in Data Planet

…We believe we are on the cusp of a new age in the social sciences, which we intend to help power…

Data Planet supports academic access to data and research by…

- making global data discoverable and searchable
- providing ability to compare and relate datasets
- preserving access to at-risk datasets
- harvesting data from APIs and making that data discoverable
- expanding the size and reach of Data Planet, resulting in increased access to data
- using DOIs to ensure continued access to datasets

Data Planet supports the role of academic libraries in provisioning materials

- Data Planet brings together, in one tool, data from major international organizations, supporting the role of libraries in connecting researchers to credible global data sources.
- Data hosting: Libraries purchase data on behalf of their communities, but face challenges in making it available. Data-Planet's ability to transform and host multivariate data in a common framework help libraries by making it discoverable and searchable.
- Research data management: Data Planet offers support to libraries as they are increasingly called on to help researchers manage the data they collect.
- Providing opportunity for teaching/promoting data literacy