

21st Century Census Curated Data Enterprise Partnership Examples

For a description of the Curated Data Enterprise and the Listening Sessions, see:

Keller S, Prewitt K, Thompson J, Jost S, Barrett C, Nusser S, Salvo J, Shipp S. A 21st Century Census Curated Data Enterprise. A Bold New Approach to Create Official Statistics, Technical Report BI-2022-1115. Proceedings of the Biocomplexity Institute, University of Virginia; 2022. DOI: <https://doi.org/10.18130/r174-yk24>.

Table 1. Selected Federal Partnerships to Obtain Survey and Administrative Data Inspired by Listening Sessions

<p>Bureau of Economic Analysis</p> <ul style="list-style-type: none">• Gross Domestic Product• Personal Income• International Trade in Goods and Services• International Transactions
<p>Bureau of Labor Statistics (BLS)</p> <p>EMPLOYMENT AND UNEMPLOYMENT</p> <ul style="list-style-type: none">• Labor Force Statistics from the Current Population Survey• Nonfarm Payroll Statistics from the Current Employment Statistics (National)• Nonfarm Payroll Statistics from the Current Employment Statistics (State&Area)• Quarterly Census of Employment and Wages• Occupational Employment Statistics• Local Area Unemployment Statistics• Mass Layoff Statistics• National Longitudinal Surveys• Employment Projections <p>BLS PRICES & LIVING CONDITIONS</p> <ul style="list-style-type: none">• Consumer Price Indexes• Producer Price Indexes• International Price Indexes• Consumer Expenditure Survey <p>BLS COMPENSATION AND WORKING CONDITIONS</p> <ul style="list-style-type: none">• National Compensation Survey• Employee Benefits Survey• Employment Cost Trends• Occupational Compensation Survey -• Safety and Health Statistics• Work Stoppages <p>BLS PRODUCTIVITY AND TECHNOLOGY</p> <ul style="list-style-type: none">• Quarterly Labor Productivity -• Multifactor Productivity• Industry Productivity• Foreign Labor Statistics
<p>Bureau of Justice Statistics (BJS)</p> <ul style="list-style-type: none">• Annual Probation Survey and Annual Parole Survey• Annual Survey of Jails (ASJ)• Annual Survey of Jails in Indian Country (SJIC)• Arrest-Related Deaths (ARD)• Capital Punishment (NPS-8)• Census of Adult Parole Supervising Agencies• Census of Federal Law Enforcement Officers (FLEO)• Census of Jail Inmates• Census of Jails (COJ)• Census of Law Enforcement Aviation Units (CLEAU)• Census of State and Federal Adult Correctional Facilities (CCF, Formerly CSFACF)

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<ul style="list-style-type: none"> • many other censuses of law enforcement related units. • Compendium of State Privacy and Security Legislation <p>.....and more than 60 other surveys https://bjs.ojp.gov/data/data-collections/search?combine=&page=0#data-collection-data-collection-block-crfigsv7bo3qmlzo</p>
<p>Bureau of Transportation Statistics (BTS)</p> <ul style="list-style-type: none"> • Airline Traffic Data • Commodity Flow Survey (CFS) • Nationals Census of Ferry Operators (NCFO) • National Household Travel Survey (NHTS – Federal Highway Administration) • Tank Car Data Collection Program • American Travel Survey (ATS) (historical survey, not current)
<p>Centers for Disease Control and Prevention (CDC)</p> <ul style="list-style-type: none"> • Behavioral Risk Factor Surveillance System (BRFSS) • Workplace Health in America survey • CDC National Vital Statistics System (NVSS) <ul style="list-style-type: none"> • Vital Statistics Online – Access to downloadable datasets • Natality (Births) • Mortality (Deaths) • Linked Birth/Infant Death • Fetal Death • National Mortality Followback Survey (NMFS) • Matched Multiple Birth Data Set • Mortality Component – Instruction Manuals • MICAR Data Dictionary
<p>CDC National Center for Health Statistics</p> <ul style="list-style-type: none"> • National Health Interview Survey • National Immunization Survey • National Health and Nutrition Examination Survey • National Survey of Family Growth • State and Local Area Integrated Telephone Survey (SLAITS) <ul style="list-style-type: none"> • National Survey of Children’s Health • National Survey of Children with Special Health Care Needs • National Ambulatory Medical Care Survey • National Electronic Health Records Survey • <i>Other surveys on aging, disabilities, employer health insurance, child to adult transitions, adoptive parents, diagnosis and treatment of ADHD and Tourette Syndrome, and more</i>
<p>Economic Research Service (ERS)</p> <ul style="list-style-type: none"> • U.S. Household Food Security Survey Module • U.S. Adult Food Security Survey Module • Six-Item Short Form of the Food Security Survey Module • Self-Administered Food Security Survey Module for Youth Ages 12 and Older • CPS Food Security Supplements

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<p>Energy Information Administration (EIA) <i>Surveys by topics - https://www.eia.gov/survey/</i></p> <ul style="list-style-type: none"> • Alternative fuel • Coal • Electricity • Natural gas • Petroleum • Renewables • Uranium and nuclear fuel • Energy consuming end-use sector • Finance/environment/other
<p>Federal Reserve Board</p> <ul style="list-style-type: none"> • Survey of Small Business Credit Survey • Survey of Consumer Finances (SCF) • Survey of Household Economics and Decision-making • Survey of Finance Companies • Labor Market Equity Simulation <p>... and many other sources of data https://www.federalreserve.gov/data.htm</p>
<p>National Agricultural Statistics Service (NASS)</p> <ul style="list-style-type: none"> • Census of Agriculture • Agriculture Resource Management • Guide to NASS Surveys and Programs - https://www.nass.usda.gov/Surveys/Guide to NASS Surveys/index.php
<p>National Center for Science and Engineering Statistics</p> <p>EDUCATION OF SCIENTISTS AND ENGINEERS</p> <ul style="list-style-type: none"> • Survey of Earned Doctorates • Survey of Graduate Students and Postdoctorates in Science and Engineering <p>RESEARCH AND DEVELOPMENT FUNDING AND EXPENDITURES</p> <ul style="list-style-type: none"> • Annual Business Survey • Business Enterprise Research and Development Survey (BERD) • Business R&D and Innovation Survey - Microbusiness (BRDI-M) • FFRDC Research and Development Survey • Higher Education Research and Development Survey (HERD) • Nonprofit Research Activities Survey • Survey of Federal Funds for Research and Development • Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions • Survey of State Government Research and Development <p>SCIENCE AND ENGINEERING RESEARCH FACILITIES</p> <ul style="list-style-type: none"> • Survey of Science and Engineering Research Facilities <p>SCIENCE AND ENGINEERING WORKFORCE</p> <ul style="list-style-type: none"> • Early Career Doctorates Survey • National Survey of College Graduates • National Survey of Recent College Graduates • National Training, Education, and Workforce Survey

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<ul style="list-style-type: none"> • Survey of Doctorate Recipients • Survey of Postdocs at Federally Funded Research and Development Centers 	
<p>Statistics of Income Division, Internal Revenue Survey</p> <ul style="list-style-type: none"> • IRS Data Books • Projections • Corporation Complete Reports • Individual Complete Reports • Compendium of Studies of Tax-Exempt Organizations • Historical Data Tables • U.S. Population Migration Data • County Income Data • Zip Code Data • Individual Public-Use Microdata Files • <i>For data products: https://www.irs.gov/statistics/soi-tax-stats-products-publications-and-papers</i> 	
Partnerships with other agencies	
CMS Provider of Services (POS) data	Characteristics of hospitals, nursing homes, and other types of healthcare facilities, including the name and address of the facility and the type of Medicare services the facility provides, among other information. https://www.cms.gov/Research-Statistics-Data-and-Systems/Downloadable-Public-Use-Files/Provider-of-Services
Social Security Administration	Individual's SSN, annual total wages (1978 to present), annual self-employment earnings, annual earnings used for OASDI contributions (1951 to present), and report year. https://www.ssa.gov/data/
USASpending (Treasury Department)	Official open data source of federal spending information. Tracks how federal money is spent in communities across America and beyond. https://www.usaspending.gov/
US Dept of Education, State Longitudinal Data Systems (SLDS)	K12 and P-20W (early learning through the workforce) longitudinal data system. Request data at the state level. https://nces.ed.gov/programs/slds/about_slds.asp
US Dept of Interior, Bureau of Indian Affairs	Tribal Leaders Directory Datasets. https://www.bia.gov/service/tribal-leaders-directory/tld-datasets
US Dept of Labor O*Net	Occupational characteristics and worker requirements information across the U.S. economy. https://www.dol.gov/agencies/eta/onet

Table 2. Examples of State and Local Partnerships Inspired by CDE Listening Sessions	
State and Local governments	Data partnership
Automated City Register Information System (ACRIS) (NYC)	<ul style="list-style-type: none"> Name, address, mortgage, remaining balance, https://www1.nyc.gov/site/finance/taxes/acris.page#:~:text=The%20Automated%20City%20Register%20Information,from%201966%20to%20the%20present.
Cluster Mapping	<ul style="list-style-type: none"> A national economic initiative that provides over 50 million open data records on industry clusters and regional business environments in the United States to promote economic growth and national competitiveness. https://clustermapping.us/
Federal Reserve Board's regional indicators and surveys	<p>Examples –</p> <ul style="list-style-type: none"> Richmond Manufacturing Index is a gauge of manufacturing activity in the Fifth Federal Reserve District published by the Federal Reserve Bank of Richmond Philadelphia https://www.philadelphiafed.org/surveys-and-data St. Louis FRED US regional data https://fred.stlouisfed.org/categories/3008
Urban Institute's Web site	<ul style="list-style-type: none"> Key components of the project include a household survey, studies of policies in 13 states, and a database with information on all states and the District of Columbia, available at the https://www.urban.org/research/publication/sources-data-about-state-government-revenues-and-expenditures
Tribal Nations Data	<ul style="list-style-type: none"> Tribal Nations data - https://data.gov/climate/tribal-nations/data-page/ For example, California Tribal data - https://www.courts.ca.gov/programs-tribal.htm

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<p>State and local governments</p>	<ul style="list-style-type: none"> • County Open Data Portals, e.g., https://www.arlingtonva.us/Government/Topics/Open-Arlington <ul style="list-style-type: none"> – Economy – Education – Emergency Management – Employment – Environment & Natural Resources – Family & Health – Finance – Geographic Information – Government – Licenses – Public Safety – Recreation & Culture – Transportation • City Open Data Portals, e.g., Detroit's Open Data Portal (detroitmi.gov) • Local tax and property data • Business licenses, e.g., Legally Operating Businesses NYC Open Data (cityofnewyork.us) • Zoning and permit data, e.g., ZoLa NYC's Zoning & Land Use Map • Neighborhood level data , Neighborhood level data, e.g., NYC Population FactFinder and Neighborhood Statistical Area Data Profiles The Data Center (datacenterresearch.org) • 211, 311, and 911 data • State Open data portal, e.g., see https://data.virginia.gov/Economy • Benefits TANF, SNAP, EITC, etc. e.g., https://www.dss.virginia.gov/geninfo/reports/financial_assistance/tanf.cgi • Geographic Information Systems (Environmental) e.g., GIS Data - Downloadable Feature Layers CT DEEP GIS Open Data Website (arcgis.com) • Land Use Planning and Development, e.g., Department of Land Conservation and Development : Maps, Data and Tools : About DLCDC : State of Oregon
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Table 3. Examples of Private Sector Partnerships Inspired by CDE Listening Sessions	
Organization	Data partnership
3iDataScraping	Web Data Scraping, Data Extraction & Mobile App Scraping Services Provider, https://www.3idatascraping.com/
Aspen Institute Future of Work	Gig economy data https://www.gigeconomydata.org/
Black Knight	Property data provider of public record data, MLS data, homeowner data and mortgage data https://www.blackknightinc.com/?
Billion Prices Project	Price indices 2007-2015; Global Retailers Data 2008-2013; Online Micro Price Data 2007-2010; PPP data 2010-2017; Micro Price Data with Trade/Country of Origin 2017-2020; http://www.thebillionpricesproject.com/
Burbio	Tracks schools and school closures https://cai.burbio.com/school-opening-tracker/
Care.com	Comprehensive report on the state of paid child care in the United States based on cost, quality and availability of nannies, childcare centers and family daycares. https://www.care.com/care-index
Corelogic	Financial, property, and consumer information, analytics, and business intelligence. corelogic.com
CoSTAR	Commercial real estate information, analytics, and news across office, industrial, retail, multifamily, hospitality and land sectors, https://www.costar.com/
Child Trends - State-level Data for Understanding Child Welfare in the United States	Provides state and national data on child maltreatment, foster care, kinship caregiving, and adoption from foster care. https://www.childtrends.org/publications/state-level-data-for-understanding-child-welfare-in-the-united-states
Credit Reports and Scores	Equifax , Experian and TransUnion .
D&B Hoovers	Company profiles https://www.dnb.com/products/marketing-sales/dnb-hoovers.html
Data Axle	Business and consumer databases, with over 500 distinct attributes across businesses and consumers in the United States and Canada. https://www.data-axle.com/our-data/
DAR Partners	Data Sourcing. Sourcing business, economic, demographic and trade data with a team of program managers to find the data you need, within your budget and delivered in a manner you want. https://darparters.com/
Developmental Disability Councils	State of the states (https://stateofthestates.org/). Residential Information Systems Project (RISP) is a longitudinal study of long-term supports and services (LTSS) that people with intellectual and developmental disabilities (IDD) (https://risp.umn.edu/). State data.info (https://www.thinkwork.org/statedatainfo - allows users to find, sort, and analyze data related to employment for people with intellectual and developmental disabilities (IDD).)

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EMI	Modeling data and uses it for industry clustering and to answer questions for grants and economic development planning. - https://emi-rs.com/
ESRI	Mapping and analytical systems https://www.esri.com/en-us/home
Finicity (financial Institutions)	Network of financial institutions, covering 95% of the market, https://docs.finicity.com/
First American Data Tree	Analytic solutions for fraud, identity verification, compliance and valuation – powered by the nation’s largest property information, ownership mega-datasets and recorded documents. https://dna.firstam.com/
FDI Intelligence (Financial Times)	Comprehensive online database of crossborder greenfield investments available, covering all countries and sectors worldwide in real time. https://www.fdiintelligence.com/products-and-services
Glass Door Economic Research	Collaborates with dozens of researchers at universities around the world to use Glassdoor data to shed light on a variety of trends in labor economics, finance, and organizational behavior. https://www.glassdoor.com/research/new-academic-research-with-glassdoor-data/
JPMorgan Chase Institute Online Platform	Extended extend the JPMorgan Chase Institute Online Platform Economy dataset to track supply-side participation and earnings. https://www.jpmorganchase.com/institute/research/labor-markets/report-ope-2018.htm
JobsEQ3	Labor market data integration, https://www.chmura.com/software
Kaiser Family Foundation	Aggregates CMS state data for skilled nursing home facilities https://www.kff.org/state-category/providers-service-use/nursing-facilities/
LinkedIn Economic Graph	Works with governments and nongovernmental organizations (NGOs) around the world to understand the rapidly changing world of work with detailed and dynamic data. https://economicgraphchallenge.linkedin.com/
Market Data Retrieval	A access to education data and insights to enable modern marketing, https://mdreducation.com/
Melissa	Address Check tool to check, verify, and correct U.S. and Canadian addresses according to USPS and Canada Post standards. https://www.melissa.com/v2/lookups/addresscheck/address/
Mobius Services (industry data)	Technology suite of automation methodologies, reliable bots, AI and NLP competencies to assemble modular data solutions for specific business challenges. https://www.mobiusservices.com/
National Federation of Retailers	Collects data from member companies, https://nrf.com/tag/big-data
North American Van Lines	2021 migration patterns - https://www.northamerican.com/migration-map
Pitchbook	Data about public and private companies, including competitors, cap tables, financials, and financing history. https://get.pitchbook.com/

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Prudential	Survey of Gig Workers https://news.prudential.com/gig-economy-may-threaten-financial-wellness-contract-workers-prudential-survey-shows.htm
PwC Workforce Preference Survey 2020	Gain enhanced comprehension of what the workforce of the future desire from their employers. https://www.pwc.com/hu/en/kiadvanyok/assets/pdf/PwC_workforce-preference-survey_results_2020.pdf
RAND American Life Panel (ALP)	A nationally representative, probability-based panel of more than 5,000 participants who are regularly interviewed over the internet. Researchers can use the ALP to field their own surveys quickly and efficiently. Access to data from more than 500 ALP studies, fielded since 2003, is free. https://www.rand.org/research/data/alp.html
RealtyTrac,	Real estate information company and an online marketplace for foreclosed and defaulted properties in the United States. https://www.realtytrac.com/
Redfin Data Center	Data from local multiple listing services, as well as insight from their real estate agents across the country. https://www.redfin.com/news/data-center/
REMI	Economic modeling software that informs policies impacting our day-to-day lives. https://www.remi.com/about-us/
RxDataScience	Longitudinal Patient Claims, a https://www.rxdatascience.com/blog/getting-most-out-of-longitudinal-patient-data and other providers
Semi and unstructured data.	Mobile phone locations, sensors, images and videos – many companies
State Book international	Provider of comprehensive economic market data for every community in the U.S. (https://www.statebook.com/)
Ventyx by ABB	Good example of integrated data: Software provider to global energy, utility, communications, and other asset-intensive businesses, offering a broad range of solutions including asset management, mobile workforce management, energy trading and risk management, energy operations and energy analytics. The company also provides software solutions for planning and forecasting electricity needs, including renewables. https://global.abb/group/en/about/history/heritage-brands/ventyx
WebMD Physician Directory	Find medical provider by specialty, condition, or procedure, https://doctor.webmd.com/
Web of Science	Publisher and independent global citation database. https://clarivate.com/webofsciencegroup/solutions/web-of-science/
Zillow moving company data	Zillow moving company data - http://zillow.mediaroom.com/2021-04-06-Zillows-2021-Mover-Report-The-Opportunity-Emotion-and-Trends-Behind-the-Great-Reshuffling