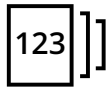CIVIC INNOVATION LAB

City-wide Data Sets

These cards catalog data from controlpanel.la, data.lacity.org, as well as sets from data.gov and LA County GIS maps
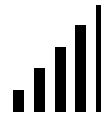
WHAT DOES IT DESCRIBE?

HOW OFTEN IS IT UPDATED?

WHAT TYPE OF DATA IS IT?

HOW BIG IS THE DATA SET?

HOW DIFFICULT IS IT TO WORK WITH?

WHAT ASPECTS OF COMMUNITY MIGHT THIS DATA AFFECT?

WHAT'S INCLUDED?

- DESCRIPTIONS OF THE INFORMATION IN THE DATA SET

- THE PRIMARY COLUMNS FROM THE DATA SET

HOW COULD WE USE THIS DATA?

If you want to make...

A product, a service, or a metric for measuing impact...

that has...

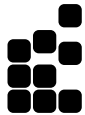A particular set of features or goals, such as government transparency, or helping small businesses...

you can...

- inform ideas with actual data from these sets

- use this data to help generate new ideas
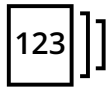
LADWP's Energy Efficiency Programs

Collected by data.lacity.org and lists results of Energy Efficiency Programs and Energy Savings for Fiscal Year 2013-14

FOCUS ON OBJECTS

UPDATES UNKNOWN

QUANTITATIVE DATA

SMALL SET

USES GENERAL KNOWLEDGE

AFFECTS FINANCE

AFFECTS PRIORITIES

WHAT'S INCLUDED?

- NAME OF PROGRAM
- MONTHLY KILOWATT HOUR GOALS
- MONTHLY KILOWATT HOUR RESULTS
- YEARLY TOTALS

HOW COULD WE USE THIS DATA?

I want to make...

A Service: Counseling program affiliates

that can...

Tell me which months were on target and help set realistic goals

so I need...

- Program Name
- Monthly Goals
- Monthly Totals
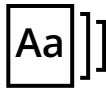
Alternative Fuels Data Center

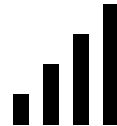Collected by US Department of Energy and lists locations of alternative fuel providers in the state

FOCUS ON LOCATIONS

UPDATES UNKNOWN

QUALITATIVE DATA

MID-SIZE SET

USES GENERAL KNOWLEDGE

AFFECTS FINANCE

AFFECTS PRIPORITIES

WHAT'S INCLUDED?

- STATION NAME
- STATION LOCATION
- FUEL TYPE

- HOURS OF ACCESSIBILITY
- WHO HAS ACCESS

HOW COULD WE USE THIS DATA?

I want to make...

A mobile app for planning car travel

that can...

Identify feasible routes for commuting while using battery power

so I need...

- Station Name
- Station Location
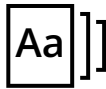- Fuel Type

Pollution Mapping

Collected by GIS Data Portal to help identify communities that are disproportionately burdened by multiple sources of pollution

FOCUS ON LOCATIONS

UPDATED AS NEEDED

QUALITATIVE DATA

SMALL SET

USES GENERAL KNOWLEDGE

AFFECTS DEMOCRACY

AFFECTS PRIORITIES

AFFECTS HEALTH

WHAT'S INCLUDED?

- LOCATION
- POPULATION IN AREA
- POLLUTION AMOUNT
- POLLUTION TYPES

- ASTHMA RATES
- LOW-BIRTH RATES
- LINGUISTIC ISOLATION

HOW COULD WE USE THIS DATA?

I want to make...

A Product: Citizen's Advocacy Toolkit

that can...

Guide multi-lingual volunteers to areas where residents have higher rates of asthma, but fewer reports or calls to 311
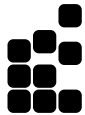
so I need...

- Location
- Linguistic Isolation
- Pollution Types
- Pollution Amount
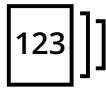- Asthma Rates

Average Monthly Residential Energy Usage

Collected by data.lacity.org and lists average residential energy use in kilowatt hours for each fiscal year since 2005

FOCUS ON OBJECTS

UPDATED YEARLY

QUANTITATIVE DATA

SMALL SET

USES SPECIALIZED KNOWLEDGE

AFFECTS FINANCE

AFFECTS PRIORITIES

WHAT'S INCLUDED?

- **YEARLY KILOWATT HOURS BY ZIPCODE**
- **YEARLY TOTALS**

- **CHANGES TO KILOWATT HOURS BY ZIPCODE**

HOW COULD WE USE THIS DATA?

I want to make...

A Product: Visualizing neighborhood energy use

that can...

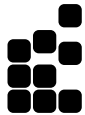Create friendly competition among neighborhoods to lower energy usage

so I need...

- Yearly Kilowatt Hours by Zipcode
- Changes to Kilowatt Hours by Zipcode

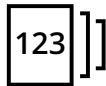# Residential Water Usage by Month: 2005 to 2013

Collected by data.lacity.org and lists monthly residential water usage use by zip code

FOCUS ON OBJECTS

UPDATES UNKNOWN

QUANTITATIVE DATA

SMALL SET

USES SPECIALIZED KNOWLEDGE

AFFECTS FINANCE

AFFECTS PRIORITIES

WHAT'S INCLUDED?

- MONTHLY WATER USAGE BY ZIPCODE
- YEARLY TOTALS

- CHANGES TO WATER USAGE BY ZIPCODE

HOW COULD WE USE THIS DATA?

I want to make...

A Product: Showing
neighborhood
water usage

that can...

Create friendly competition
among neighborhoods to
lower water usage

so I need...

- Yearly water useage by
  Zipcode

- Changes to Water Hours
  by Zipcode

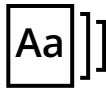# Crime & Collision Locations

Collected by data.lacity.org and lists instances of LAPD crime activity by location, time, and type of crime reported
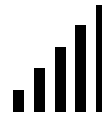
FOCUS ON LOCATIONS

UPDATED DAILY

QUALITATIVE DATA

LARGE SET

USES GENERAL KNOWLEDGE

AFFECTS SOCIAL BONDS

AFFECTS DEMOCRACY

WHAT'S INCLUDED?

- CRIME COMMITTED
- STREET ADDRESS
- AREA NAME

- DATE AND TIME
- STATUS OF THE CASE

HOW COULD WE USE THIS DATA?

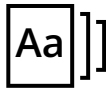| *I want to make...*	*that can...*	*so I need...*
A Product: Citizen's watch portal	Ping users when vandalism is reported in their area	• Crime Committed • Area Name • Date and Time

California Sex Offender Locator Map

Collected by the California Department of Justice, this data set maps and lists designated registered sex offenders in California
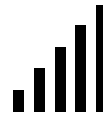
FOCUS ON PEOPLE

UPDATES UNKNOWN

QUALITATIVE DATA

Aa

LARGE SET

USES GENERAL KNOWLEDGE

AFFECTS SOCIAL BONDS

AFFECTS FAMILIES

WHAT'S INCLUDED?

- DESCRIPTION OF OFFENDER
- NAME AND ALIASES
- TYPE OF CRIME

- KNOWN ADDRESSES
- SCORE FOR RISK OF FUTURE CRIMES

HOW COULD WE USE THIS DATA?

I want to make...

A Service: A website for people interested in moving to LA

that can...

Show neighborhoods catering to the needs of single mothers, and identify high risk areas for young children

so I need...

- Known Addresses
- Type of Crime
- Score for Risk of Future Crimes
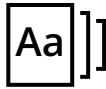
LA Sheriff Department Data

Collected by the Sheriff Department, and mapping various crimes using interactive software from the LA Times and Crimemapping
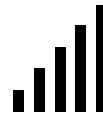
FOCUS ON PEOPLE

UPDATED DAILY

QUALITATIVE DATA

Aa

LARGE SET

USES GENERAL KNOWLEDGE

AFFECTS SOCIAL BONDS

AFFECTS DEMOCRACY

WHAT'S INCLUDED?

- CRIME COMMITTED
- STREET ADDRESS
- READERS' DISTANCE FROM CRIME

- DATE AND TIME
- HOMICIDE VICTIM BY AGE, RACE, GENDER

HOW COULD WE USE THIS DATA?

I want to make...	*that can...*	*so I need...*
A Service: Counseling teens on the realities of crime	Show them real victims of violent crime whom they might identify with (i.e., same race, age, and gender)	• Crime Committed • Readers' Distance • Homicide Victim By Age, Race, Gender

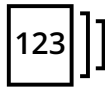# Payroll for Government Workers

Collected by controllerdata.lacity.org, this database lists the salaries and pay grade for all LA City Department employees
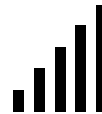
FOCUS ON MONEY

UPDATED QUARTERLY

QUANTITATIVE DATA

123

LARGE SET

USES GENERAL KNOWLEDGE

AFFECTS JOBS

AFFECTS FINANCES

WHAT'S INCLUDED?

- JOB TITLE
- DEPARTMENT
- YEARLY SALARY

- HOURLY WAGE
- PAY GRADE OR LEVEL
- OVERTIME & BONUS

HOW COULD WE USE THIS DATA?

I want to make...

A Product: A user-friendly financial planning app for LA County residents

that can...

Educate city workers on how to create a savings account with any extra income, and demonstrate potential account growth

so I need...

- Job Title
- Pay Grade
- Overtime
- Bonus Pay
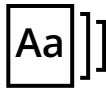
Points of Interest in LA County

Collected by the LMS, this is a single, central repository for locations of interest to the county, and their basic information
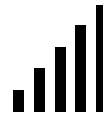
FOCUS ON LOCATIONS

UPDATES UNKNOWN

QUALITATIVE DATA

Aa

LARGE SET

USES SPECIALIZED KNOWLEDGE

AFFECTS DEMOCRACY

AFFECTS PRIORITIES

WHAT'S INCLUDED?

- NAME OF LOCATION
- TYPE OF LOCATION
- DESCRIPTION AND INFORMATION
- HOURS OF OPERATION
- LEGAL OWNER OF LOCATION
- OWNER CONTACT

HOW COULD WE USE THIS DATA?

I want to make...

A Product: A mobile tourism app

that can...

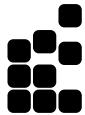Ping users when they're near potentially interesting museums, and when these museums close

so I need...

- Name of Location
- Category of Location
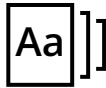- Hours of Operation

2014 Registered Foreclosure Properties

Collected by data.lacity.org, this database lists all properties that registed in 2014 as "foreclosed" properties
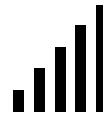
FOCUS ON OBJECTS

UPDATED YEARLY

QUALITATIVE DATA

LARGE SET

USES GENERAL KNOWLEDGE

AFFECTS SOCIAL BONDS

AFFECTS FINANCES

WHAT'S INCLUDED?

- PROPERTY ADDRESS
- REGISTERED DATE
- NAME OF MORTGAGE LENDER

- PROPERTY MANAGEMENT
- PROPERTY MANAGEMENT CONTACT

HOW COULD WE USE THIS DATA?

I want to make...

An Impact Metric: Measuring community stability

that can...

Estimate the likelihood that residents might know their neighbors for at least five years

so I need...

- Property Address
- Registered Date
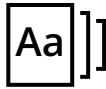
Business Improvement Districts

Collected by data.lacity.org and mapping distinct areas in which services, activities, and programs are paid for by local members

FOCUS ON LOCATIONS

UPDATES UNKNOWN

QUALITATIVE DATA

SMALL SET

USES GENERAL KNOWLEDGE

AFFECTS SOCIAL BONDS

AFFECTS FINANCES

WHAT'S INCLUDED?

- PROGRAM NAME

- BOUNDARIES OF THE DISTRICT

HOW COULD WE USE THIS DATA?

I want to make...

A Product: Small Business
Owners Forum

that can...

Provide transparency into
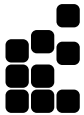the effects of BID status on
different types of businesses

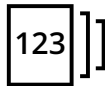*so I need...*

- District Boundaries

Capital Assets

Collected by controllerdata.lacity.org and cataloging physical assets, including buildings, vehicles, and infrastructure
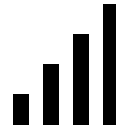
FOCUS ON OBJECTS

UPDATED YEARLY

QUANTITATIVE DATA

MID-SIZED SET

USES GENERAL KNOWLEDGE

AFFECTS FINANCE

AFFECTS PRIORITIES

WHAT'S INCLUDED?

- CITY PROGRAM THAT USES THE ASSET

- TYPE OF ASSET

- NUMBER OF EACH TYPE OF ASSET

- FISCAL YEAR

HOW COULD WE USE THIS DATA?

I want to make...

A Product: Simulation model of the city

that can...

Model the price of expanding current residential zones, including expanding the fleet of firetrucks

so I need...

- Fiscal Year

- Type and Number of Assets

- Cost Per Asset Type (not included in this date set)
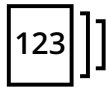
Job Growth information

Collected by GIS Data Portal, and providing monthly updates of job growth, commute costs, and income inequality by zip codes
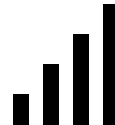
FOCUS ON LOCATIONS

UPDATED MONTHLY

QUANTITATIVE DATA

MID-SIZED SET

USES GENERAL KNOWLEDGE

AFFECTS PRIORITIES

AFFECTS JOBS

WHAT'S INCLUDED?

- PERCENTAGE CHANGES IN EMPLOYMENT

- INCOME INEQUALITY WITHIN ZIP CODES

- PERCENTAGE OF INCOME SPENT ON GASOLINE FOR COMMUTE

HOW COULD WE USE THIS DATA?

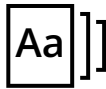| *I want to make...*	*that can...*	*so I need...*
An Impact Metric: Commuting to Work	Track whether new, private-sector jobs are contributing to urban sprawl	• Percentage Changes in Employment • Percentage of Income for Gasoline

Listing of Active Businesses

Collected by data.lacity.org and cataloging all active businesses in the county including addresses, type of business, and start date
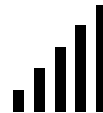
FOCUS ON LOCATIONS

UPDATED MONTHLY

QUALITATIVE DATA

LARGE SET

USES GENERAL KNOWLEDGE

AFFECTS FINANCE

AFFECTS JOBS

AFFECTS PRIORITIES

WHAT'S INCLUDED?

- BUSINESS NAME
- BUSINESS DESCRIPTION
- LOCATION ADDRESS

- MAILING ADDRESS
- DATE OPENED

HOW COULD WE USE THIS DATA?

I want to make...

A Product: A map showing types of businesses within a walkable distance

that can...

Show gaps, like food deserts, or opportunities for small business owners or non-profits to move into a neighborhood that doesn't already offer their service

so I need...

- Zip Code
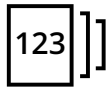- Business Description
- Location Address

City Revenue

Collected by controllerdata.lacity.org and showing city budget versus collected revenue from July 2011 through August 2014
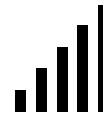
FOCUS ON MONEY

UPDATED AS NEEDED

QUANTITATIVE DATA

LARGE SET

USES SPECIALIZED KNOWLEDGE

AFFECTS FINANCES

AFFECTS PRIORITIES

AFFECTS DEMOCRACY

WHAT'S INCLUDED?

- REVENUE BUDGET

- DOLLAR AMOUNT OF REVENUE COLLECTED

- PERCENTAGE OF REVENUE COLLECTED

- NAME OF REVENUE FUND

- TYPE OF REVENUE FUND

HOW COULD WE USE THIS DATA?

I want to make...

An Impact Metric:

Influence of city departments

that can...

Compare which city departments are contributing the highest amount of revenue to the city budget

so I need...

- Name of Revenue Fund

- Type of Revenue Fund

- Dollar Amount of Revenue Collected
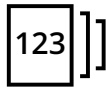
City Budget Expenditures

Collected by controllerdata.lacity.org and showing city budget, adjustments and expenditures from July 2011 to August 2014
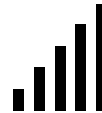
FOCUS ON MONEY

UPDATED AS NEEDED

QUANTITATIVE DATA

LARGE SET

USES SPECIALIZED KNOWLEDGE

AFFECTS FINANCES

AFFECTS PRIORITIES

AFFECTS DEMOCRACY

WHAT'S INCLUDED?

- BUDGET YEAR
- CITY DEPARTMENT NAME
- NAME OF FUND & ACCOUNT

- ORIGINAL BUDGET AMOUNT
- AMMENDMENTS TO THE BUDGET

HOW COULD WE USE THIS DATA?

I want to make...

An Impact Metric:
City department planning

that can...

Track which city departments adjust their budgets most often

so I need...

- City Department Name
- Budget Year
- Original Amount
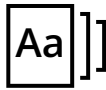- Ammendments

Transit Oriented Districts

Collected by GIS Data Portal, this data source shows areas that promote transit-oriented and pedestrian-oriented development
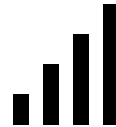
FOCUS ON LOCATIONS

UPDATED AS NEEDED

QUALITATIVE DATA

Aa

MID-SIZED SET

USES SPECIALIZED KNOWLEDGE

AFFECTS FINANCES

AFFECTS PRIORITIES

WHAT'S INCLUDED?

- NAME OF METRO STATION IN DISTRICT
- NAME OF METRO LINES THAT STOP IN DISTRICT STATIONS
- DATE THE ORDINANCE STARTED

HOW COULD WE USE THIS DATA?

I want to make...

An Impact Metric: Resident satisfaction with commuting

that can...

Track commuters' satisfaction over time

so I need...

- Name of Station
- Date of Ordinance
- Commuters' Survey Data (not included in this data set)
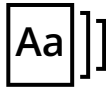
Location of Metro Bus Stops

Collected by data.lacity.org, this data source maps the location of bus stops in Los Angeles County
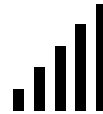
FOCUS ON LOCATIONS

UPDATES UNKNOWN

QUALITATIVE DATA

LARGE SET

USES GENERAL KNOWLEDGE

AFFECTS PRIORITIES

WHAT'S INCLUDED?

- ROUTE NAME
- MAIN ROUTE PATH

- STOP NUMBER
- STOP LOCATION

HOW COULD WE USE THIS DATA?

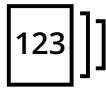| *I want to make...*	*that can...*	*so I need...*
An Impact Metric: Resident satisfaction with commuting	Track commuters' satisfaction over time	• Name of Route • Route Path • Commuters' Survey Data (not included in this data set)

Summary of Traffic Counts

Collected by data.lacity.org and summarizes automated and manual traffic counts for intersections throughout Los Angeles
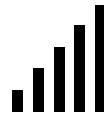
FOCUS ON LOCATIONS

UPDATES UNKNOWN

QUANTITATIVE DATA

LARGE SET

USES GENERAL KNOWLEDGE

AFFECTS FINANCE

AFFECTS PRIORITIES

WHAT'S INCLUDED?

- VEHICLE COUNTS BY DIRECTION
- PRIMARY STREET
- CROSS STREET

- TOTAL VEHICLES COUNTED
- DATE AND WEEKDAY OF COUNT

HOW COULD WE USE THIS DATA?

I want to make...

An Infographic: An illustration of traffic data in LA county

that can...

Compare the number of cars traveling through one LA neighborhood to the number in an entire country

so I need...

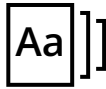- Primary Street
- Cross Street
- Total Count

Bike Paths

Collected by LA County GIS Data Portal, this data source combines bike path data sets with visualization and routing tools
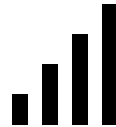
FOCUS ON LOCATIONS

UPDATES UNKNOWN

QUALITATIVE DATA

Aa

MID-SIZED SET

USES GENERAL KNOWLEDGE

AFFECTS HEALTH

AFFECTS PRIORITIES

WHAT'S INCLUDED?

- BIKE PATH NAME
- DEGREE THE BIKE PATH IS SEPARATED FROM TRAFFIC

- BIKE PATH LOCATION
- DATA SOURCE

HOW COULD WE USE THIS DATA?

I want to make...

A Service: Weekly community bike rides

that can...

Show riders where the safest routes are, and give them confidence when choosing their own routes

so I need...

- Bike Path Name
- Bike Path Location
- Degree Bike Path is Separated from Traffic