



LMI Open Data Portal

LMI Advisory Group
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Agenda

- Define “Open Data”
- Factors influencing the need to provide “Open Data”
- Benefits of a Cloud based Open Data portal
- Early prototype
- Next Steps
- Q&A / Wrap-up

What is Open Data?

Open Data

- “Open data is data that can be freely used, re-used and redistributed by anyone – subject only to the requirement to attribute and share alike”
- The idea is that public information should be easily accessible to the public online

Key components of Open Data

- Access
- Availability
- Distribution
- Interaction
- Open API
- Re-use

What makes data truly open?



Technically Open

- Easy online access to all unrestricted datasets
- Data catalog with metadata
- Available for download in multiple formats (CSV, Excel , PDF, JSON, etc.)
- **Provide Open API access to the data**

Legally Open

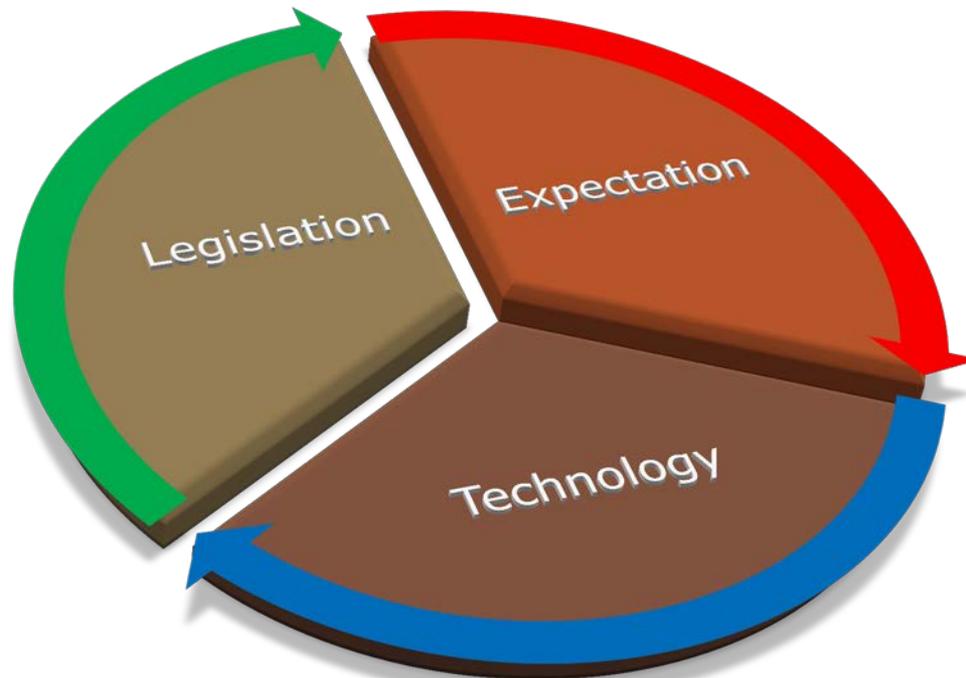
- No restrictions on use and/or redistribution
- The data must be available under an open license
- Open Data Commons Attribution License (ODC-BY)

What is an API?

- *Application Program Interface*, is a set of routines, protocols, and tools for building software applications.
- The API specifies how software components should interact and provides programmatic access to published datasets using industry-standard methods and procedures
- API's are essentially the blueprint for datasets



Factors influencing the need to provide "Open Data"



Factors influencing the need to provide “Open Data” Cont’d

- **Expectation**

- Prevalence of smart phones and use of social media is creating a more sophisticated end-user – who expect data on demand

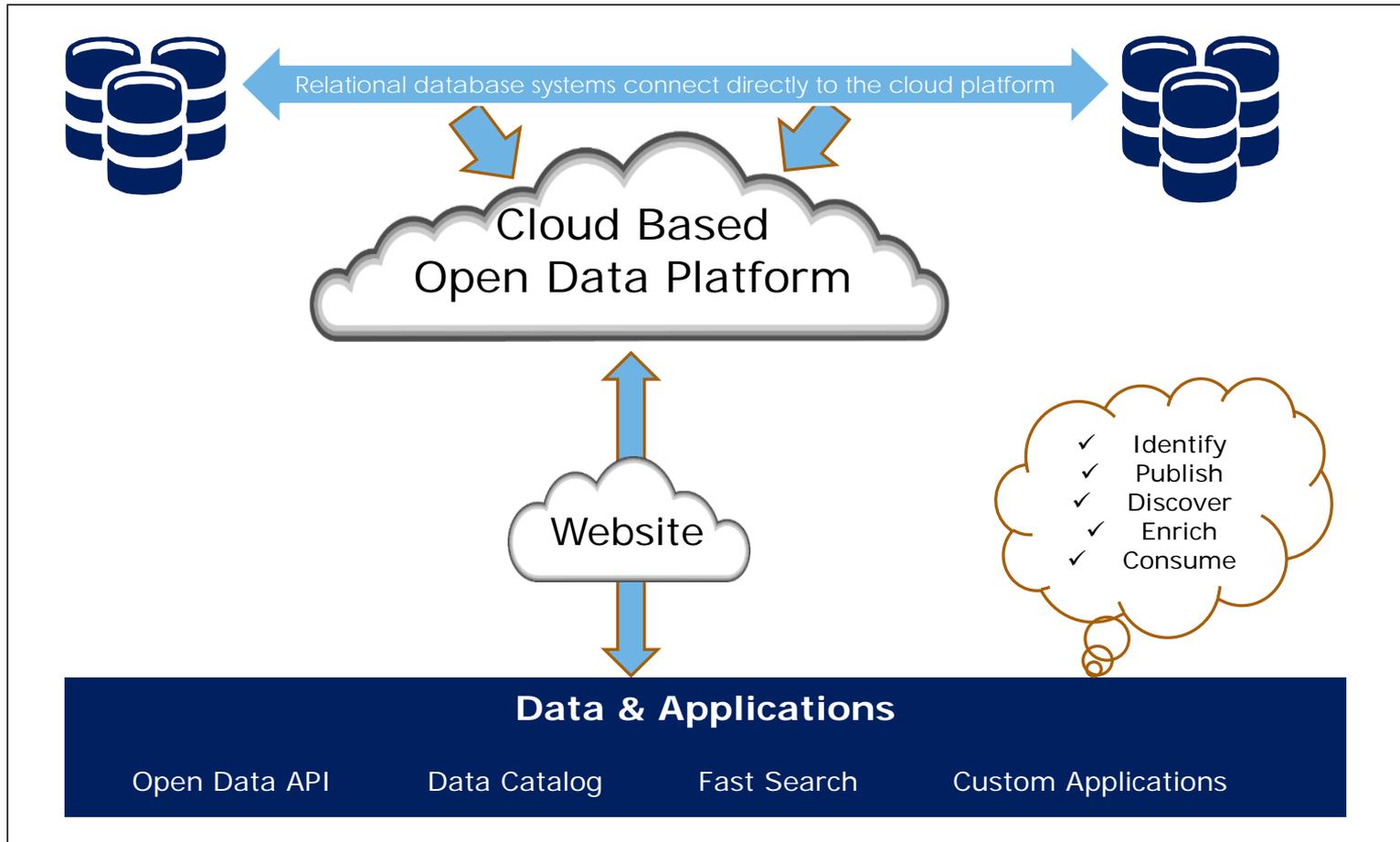
- **Technology**

- The availability of cloud based data delivery platforms is lowering the cost associated with deploying open data portals and in some instances eliminating the need to build these systems in-house

- **Legislation**

- Federal and State legislation is mandating more free flowing access to data. For example in California S.B.573 among other things would require the creation of a statewide Open Data Portal

Cloud based Open Data Portal Schema



Benefits of a Cloud based Open Data Portal

- Improve workflow for data management, publishing, and updates
- Expand self-service access to labor market data to promote innovation and economic activity
- Provide Open API access to data to enable application developers to create new products and applications
- Ability to seamlessly integrate it into an existing website to improve the front-end user-experience

Improve the User-Experience for LMI website users

Replace legacy Applications and multiple spreadsheets with one system

The screenshot shows the legacy website interface. At the top, it says "State of California Employment Development Department". Below the navigation bar, there's a section titled "Unemployment Rates (Labor Force)" and "Legacy Applications". A search bar is present. The main content area shows a selection interface with two dropdown menus: "Select Area types" and "Select Areas". The "Select Area types" dropdown is open, showing options like "California - Statewide", "County", "Local Workforce Investment Area", "Metro Statistical Area (2003)", and "Sub-County Place". The "Select Areas" dropdown is also open, showing "California". Below the selection interface, there are links for "Contact EDD", "Office Locator", "Forms and Publications", "Online Services", and "En Español". At the bottom, there are links for "Conditions of Use", "Privacy Policy", "Accessibility", and "Site Map".

County	Monthly/Annual Average Data (Excel)	Sub-County Areas (Current Month) (Excel)	Current Month Employment (Press Release) (PDF)
California, Seasonally Adjusted	1990-current 1976-1989	N/A	Current Month
California, Not Seasonally Adjusted (Use these data when comparing Statewide to counties or MSAs)	1990-current 1976-1989	Sub-County Areas	Current Month
All County Files	1990-current	Statewide - All Areas	All Areas
Alameda	1990-current	Sub-County Areas	Current Month
Alpine	1990-current	N/A	Current Month
Amador	1990-current	Sub-County Areas	Current Month
Butte	1990-current	Sub-County Areas	Current Month
Calaveras	1990-current	Sub-County Areas	Current Month
Colusa	1990-current	Sub-County Areas	Current Month
Contra Costa	1990-current	Sub-County Areas	Current Month
Del Norte	1990-current	Sub-County Areas	Current Month
El Dorado	1990-current	Sub-County Areas	Current Month
Fresno	1990-current	Sub-County Areas	Current Month
Glenn	1990-current	Sub-County Areas	Current Month
Humboldt	1990-current	Sub-County Areas	Current Month
Imperial	1990-current	Sub-County Areas	Current Month
Inyo	1990-current	Sub-County Areas	Current Month
Kern	1990-current	Sub-County Areas	Current Month
Kings	1990-current	Sub-County Areas	Current Month
Lake	1990-current	Sub-County Areas	Current Month
Lassen	1990-current	Sub-County Areas	Current Month
Los Angeles, Seasonally Adjusted	1990-current 1976-1989	N/A	Current Month

Multiple Spreadsheets

The screenshot shows the modern website interface. At the top, it says "State of California Employment Development Department". Below the navigation bar, there's a search bar and a "Search and Browse Datasets and Views" section. The search results are displayed in a table with columns for "Name", "Popularity", and "Type". The results include items like "Educational attainment for workers 25 years and older by detailed occupation, 2010-11", "category_files", "Wages by Industry", "Average Wage by Industry", "Statewide Occupational Employment", "Employment by Industry", "Statewide Occupational Employment Matrix", "Sorted Employment Matrix", "Employment by Industry", and "Unemployment over Time". The interface is clean and modern, with a blue header and a white background.

Benefits to the LMI data user community



Workforce Partners

- Access to data in multiple formats
- Comprehensive data catalog with metadata
- API access to datasets to update reports and applications
- Visualize and embed data onto website



Job Seekers

- Fast search experience
- User-friendly responsive interface
- Self-service access to all publically available datasets
- Visualize, filter, and download data in desired format



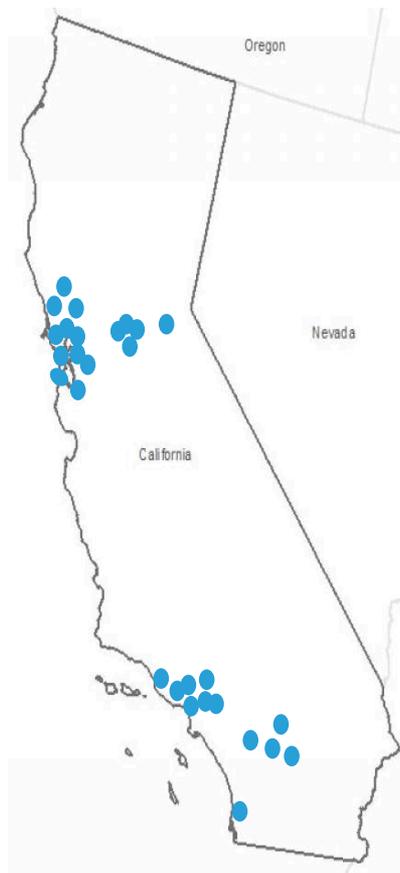
EDD/LMI Staff

- Improve workflow for data management and updates
- Easy data uploading and error checking
- Develop and publish new analysis
- Federate and harvest data from other government entities

Proposed LMI Open Data Library Platform

- EDD/LMI Open Data library will be built on a cloud based platform from Socrata Inc.
- Who is Socrata?
 - Seattle based cloud service provider with contractual relationships with several Government entities

California Government entities currently using the Socrata Platform



- San Francisco
- Los Angeles
- Berkeley
- Oakland
- Santa Monica
- Los Angeles County
- San Diego County
- Alameda County
- Valley Transit Authority
- San Mateo
- Marin County
- Riverside County
- **CA State Controller's Office**
- **CA Dpt. Public Health**
- **CA Health and Human Services**
- CA OSHPD
- Metropolitan Transportation Commission

Early Prototype

Data Catalog View

State of California
Employment Development Department

Search

Home About EDD Find a Job File & Manage a Claim Employer Services EDD News

Search

View Types
Data Lens pages [What's this?](#)
Datasets
Charts
Maps
Calendars
Filtered Views
External Datasets
Files and Documents
Forms
APIs

Categories
Business
Education
Fun
Government
Personal

Search & Browse Datasets and Views

Most Relevant

Name	Popularity	Type	RSS
Educational attainment for workers 25 years and older by detailed occupation, 2010-11 <small>Data Source: 2010 and 2011 American Community Survey Public Use Microdata, U.S. Department of Commerce, U.S. Census Bureau Table Source: Employment Projections program, U.S. Department of Labor, U.S. Bureau of Labor Statistics</small>	14 views		
category_tiles <small>Template Dataset: category_tiles</small>	130 views		
Wages by Industry	82 views		
Average Wage by Industry	16 views		
Statewide Occupational Employment	128 views		
Employment by Industry	54 views		
Statewide Occupational Employment Matrix	90 views		
Sorted Employment Matrix	21 views		
Employment by Industry	30 views		
Unemployment over Time	22 views		

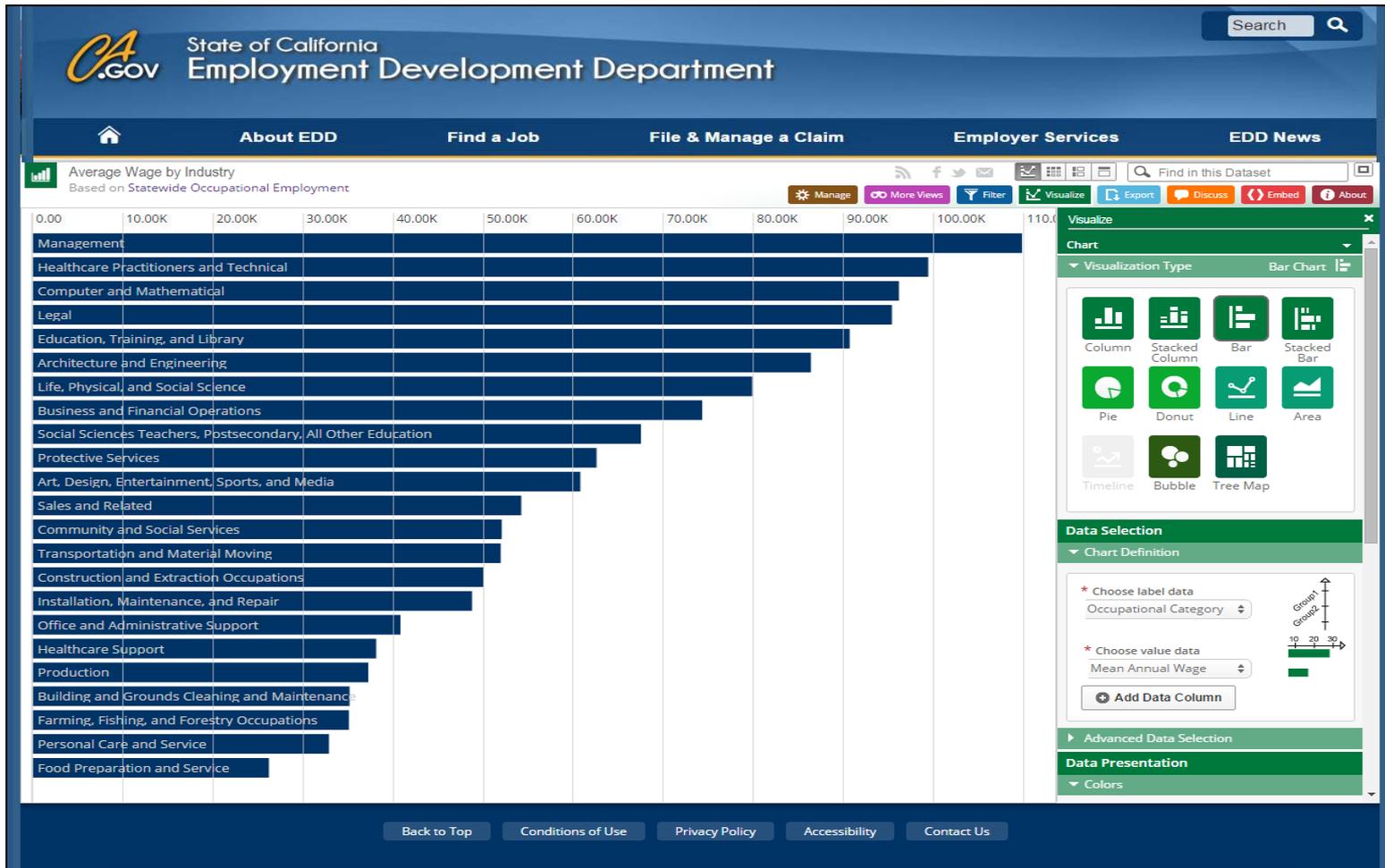
1 2 3 Showing 10 of 27

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Early Prototype

Visualize Data



Early Prototype

Download/Export Data

The screenshot displays the State of California Employment Development Department website. At the top, there is a search bar and the department's logo. Below the logo is a navigation menu with links for 'About EDD', 'Find a Job', 'File & Manage a Claim', 'Employer Services', and 'EDD News'. The main content area features a data table with columns for 'Civilian Labor Force', 'Employed', 'Unemployed', and 'Rate'. The table contains 25 rows of data. To the right of the table, an 'Export' menu is open, showing options for 'SODA API', 'OData', 'Print', and 'Download'. The 'Download' option is selected, and a sub-menu is visible with options for 'Download As', including 'CSV', 'CSV for Excel', 'JSON', 'PDF', 'RDF', 'RSS', 'XLS', 'XLSX', and 'XML'. At the bottom of the page, there are links for 'Back to Top', 'Conditions of Use', 'Privacy Policy', 'Accessibility', and 'Contact Us'.

State of California
Employment Development Department

Search

Unsaved View Save As... Revert

Based on Local Area Unemployment Statistics All States
Local Area Unemployment Statistics for all counties

Manage More Views Filter Visualize Export Discuss Embed About

	Civilian Labor Force	Employed	Unemployed	Rate	
1	785,830	726,505	59,325	7.5	
2	397	349	48	12.1	
3	16,245	14,735	1,510	9.3	
4	105,354	95,225	10,129	9.6	
5	19,601	17,676	1,925	9.8	
6	11,940	10,349	1,591	13.3	
7	539,881	500,089	39,792	7.4	
8	10,868	9,652	1,216	11.2	
9	88,812	81,702	7,110	8	
10	450,066	397,133	52,933	11.8	
11	12,813	11,304	1,509	11.8	
12	57,665	52,610	5,055	8.8	
13	79,766	58,051	21,715	27.2	
14	9,208	8,497	711	7.7	
15	400,394	356,766	43,628	10.9	
16	59,838	52,497	7,341	12.3	
17	27,723	24,731	2,992	10.8	
18	12,226	11,010	1,216	9.9	
19	4,978,692	4,472,052	506,640	10.2	
20	70,476	63,292	7,184	10.2	
21	142,698	135,380	7,318	5.1	
22	10,010	9,292	718	7.2	
23	43,802	40,626	3,176	7.3	
24	113,800	98,986	14,814	13	
25	3,938	3,549	389	9.9	

Export

- SODA API
- OData
- Print
- Download

Download a copy of this dataset in a static format

Download As

- CSV
- CSV for Excel
- JSON
- PDF
- RDF
- RSS
- XLS
- XLSX
- XML

Back to Top Conditions of Use Privacy Policy Accessibility Contact Us

Early Prototype

Filter



Early Prototype

Embed

The screenshot displays the State of California Employment Development Department (EDD) website. The main navigation bar includes links for 'About EDD', 'Find a Job', 'File & Manage a Claim', 'Employer Services', and 'EDD News'. The current page is titled 'Unemployment Rate Map' and is based on Labor Force Statistics by County. A map of California is shown with various counties highlighted in shades of blue, representing unemployment rates. An 'Embed' dialog box is open on the right side of the page, providing options to embed the map. The dialog box includes a 'Form' section, a 'Social Data Player' section, and an 'Embed this Dataset' section with a code snippet. The code snippet is as follows:

```
<div><iframe width="500px" title="Unemployment Rate Map" height="425px" src="https://edd.demo.socrata.com/w/cmmp-dxkd/?cur=NCa9C5SPfA&fromroot" frameborder="0" scrolling="no"><a href="https://edd.demo.socrata.com/Government/Unemployment-Rate-Map/cmmp-dxkd" title="Unemployment Rate Map" target="_blank">Unemployment Rate Map</a></iframe><p><a href="http://www.socrata.com" title="Socrata.com">Socrata.com</a></p></div>
```

The dialog box also includes a 'Size' section with three preset options: 500x425, 760x646, and 950x808. A 'Custom Size' section allows for a width of 500 and a height of 425. A 'Social Data Player Template' section is also present.

Next Steps in the Process

- Finalize Contracting
- Curate data and build portal
- Conduct UAT & usability testing
- Soft launch to select stakeholders and internal users
- Make revisions based on feedback from beta testers
- Release to the general public





Q&A / Wrap-up

Thank you