Data Visualization for Civic Engagement

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Problem

- Citizens need to have access to civic data for accountability of elected officials

- Citizens need to have access to civic data to understand problems in their communities: housing, city budget, etc.

- Existing application do this poorly

Current applications do this poorly

FY 16-17 Adopted Operating Budget b...

DEPARTMENT

Fund	CMO	CD	Finance	Fire	HR	IT	Li...
General	$580,840	$1,723,210	$592,110	$12,004,180			$6,...
Street		22,310					
911 Emerg.							
Devel. Svcs		3,530,220					
CD Revolving		1,936,100					
Parking		3,650	202,990				
Transit							
Vehicle/Equip				1,016,000		1,212,190	
Pension Ob.							
Water		56,600					
Wastewater		54,330					
Storm Water		55,270					
Airport							
Fleet Maint.							
Facility Maint							903,020
Tech & Com.					2,076,450		569,900
Admin Svcs.	1,005,260		2,660,510	1,679,490			
Risk Mgmt			1,039,710	357,900			
Total	$1,586,100	$7,381,690	$4,495,320	$13,020,180	$2,037,390	$3,288,640	$6,548,530

Additional totals: $7,559,190 | $15,318,820 | $35,096,350 | $1,301,690 | $97,633,900

Additional values: 903,020 | 2,646,350 | 5,345,260 | 1,397,610

How To Read a Flood Insurance Rate Map Tutorial

This tutorial educates users on the use and application of the Flood Insurance Rate Maps (FIRMs) produced by the Federal Emergency Management Agency (FEMA). Each component of the FIRM is explored. The tutorial includes a section that contains examples of how to get specific information from FIRMs.

Welcome to the...
The objectives...
1. Show the variou...
2. Describe the element...
3. Explain how to...

		Size	Pub... Dat...
ZIP	To begin the tutorial, extract all files in the following ZIP, then double click on "click_here.html".	3.69M	
PDF	How To Read a Flood Insurance Rate Map Tutorial	0.32M	Sept... 200...
TXT	How To Read a Flood Insurance Rate Map Tutorial	0.05M	Sept... 200...

Explain and Send Screenshots
https://www.fema.gov/media-library/assets/documents/758?

Solution

- Acquire, aggregate, and clean data from many available sources

- Visualize data on the website interactively with good user experience so everyone can access and use it super easily (including grandma)

- What make us better:
  - Visualize the right data, interactively
  - Super fast and friendly user experience
  - User can see insight right there.

- Like this project, but for the city of Corvallis

Development Roadmap

- Potential Development Roadblocks

  - Short development schedule

  - Lack of familiarity with data science tools

  - Potential lack of access to desired data

- Roadblock Solutions

  - Collaborate with team members to ensure everyone has knowledge of necessary tools

  - Partner with OSU to gain access to city data

  - Backup plan: switch focus to university data