Local Government REIMAGINED CONFERENCE

APRIL 12-14, 2023 BURLINGTON, VERMONT

Innovating Service Delivery Through Data



Our Team



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Principal Research Strategist Polco



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VP Data Analytics Polco



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Our Work for Today

Data Driven Decision Making (DDDM)

Setting the Stage for DDDM

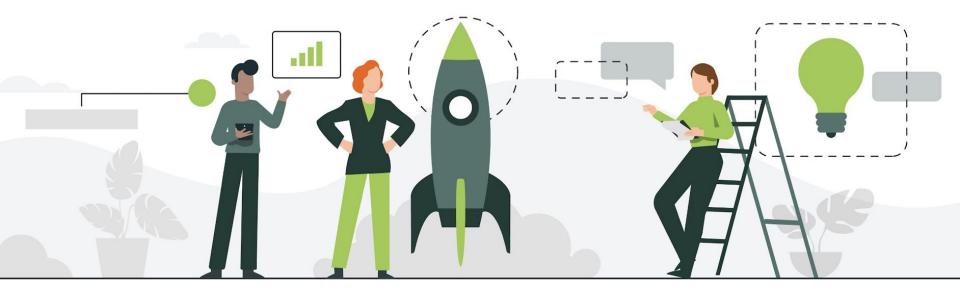
Uses of Data in Local Government

Measuring What Matters





How many in the jar?



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The Case for Data Driven Decision Making







The Importance of the DDDM in the Private Sector







be more profitable

6x more likely to

retain customers

23x more likely to

acquire new business



McKinsey and Company: Data-Driven Decision-Making: Unlocking Sustainable Success



Benefits of Data Driven Decision Making (DDDM)

- Aligns strategies with goals
- Promotes accountability and transparency

• Reduces costs by increasing efficiency

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• Improves the quality of decisions



Data Driven Decision Making

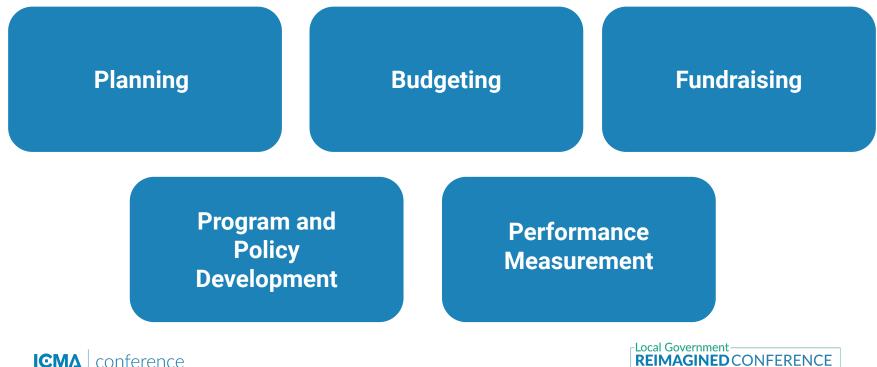
Data driven decision making is the practice of basing decisions on the analysis of data rather than intuition.

DDDM brings together appropriate data sources, analyses and metrics to inform choices, reasoning, and actions. In the end, DDDM gives sound credence to new policies and initiatives.



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DDDM in Local Government



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How does your organization use data?







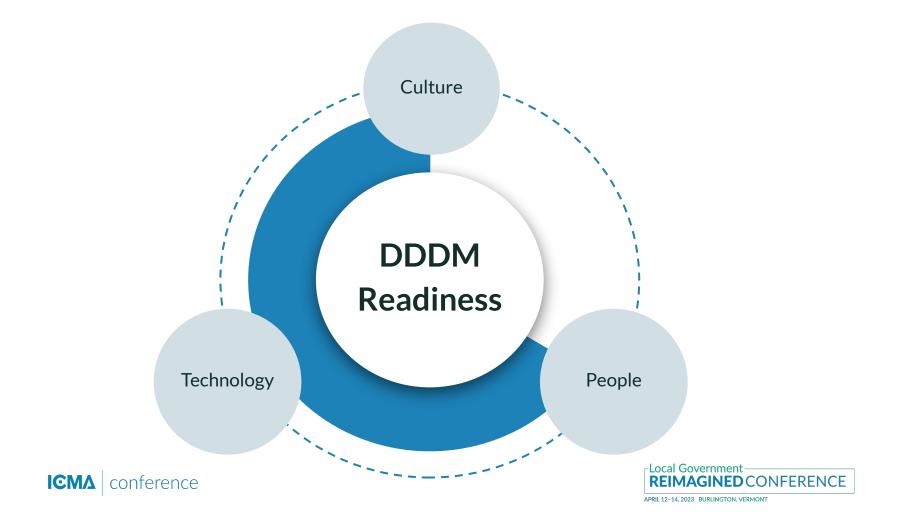


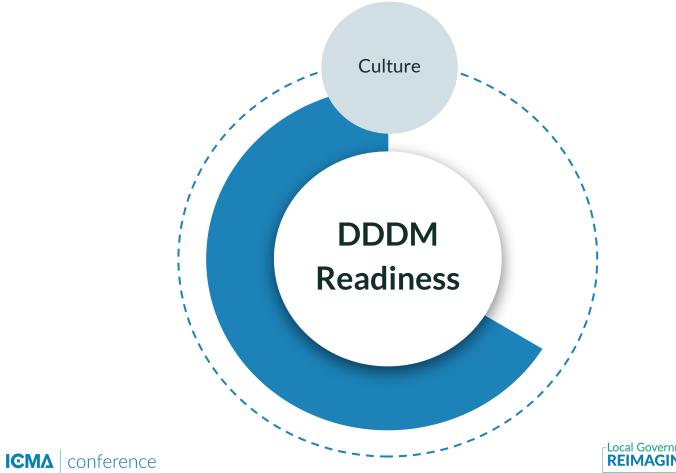
Setting the Stage for Data Driven Decision Making (DDDM)





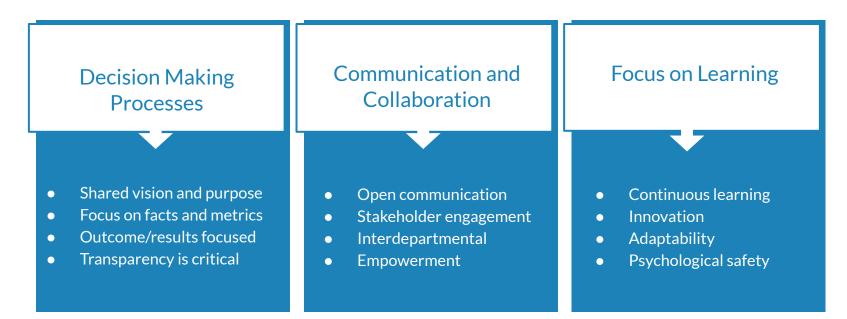








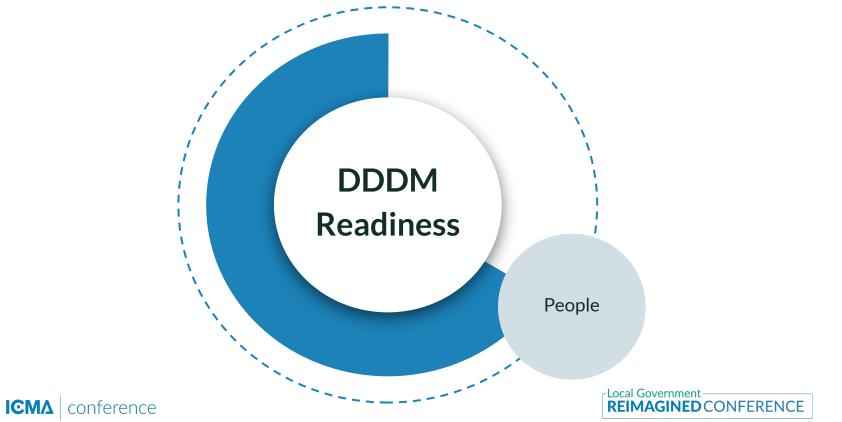
A DDDM Oriented Culture



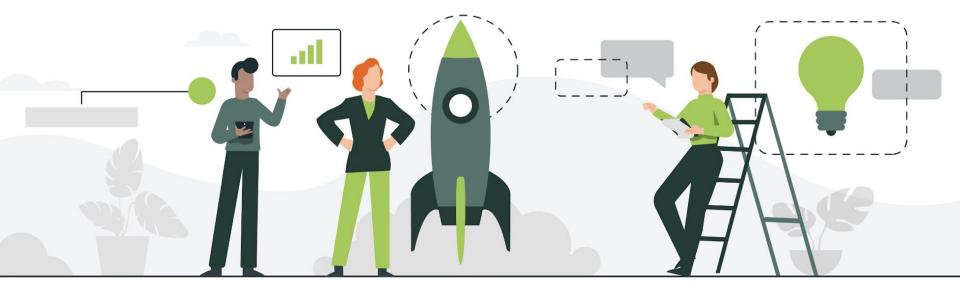
Successful programs require an incentive system that favors risk taking. Harvard Business School







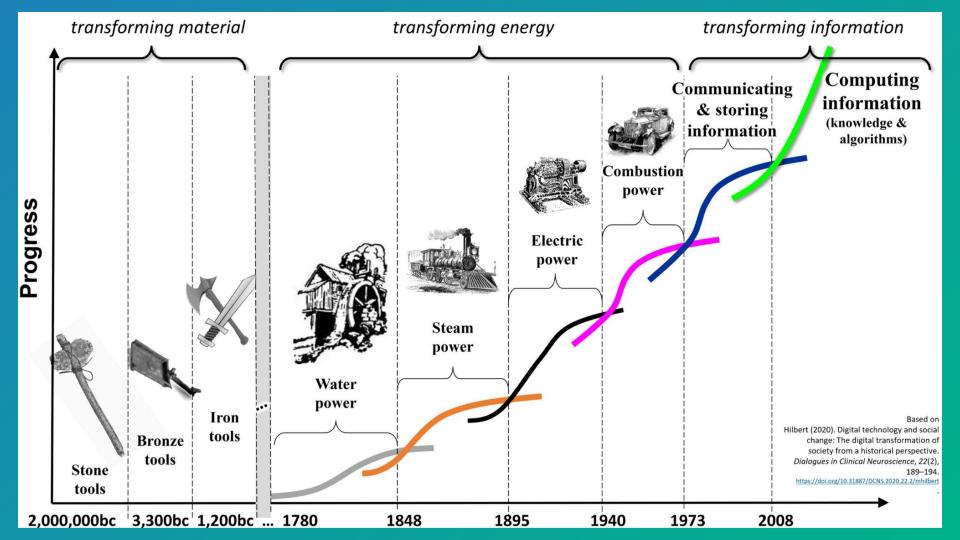
The Age of Information



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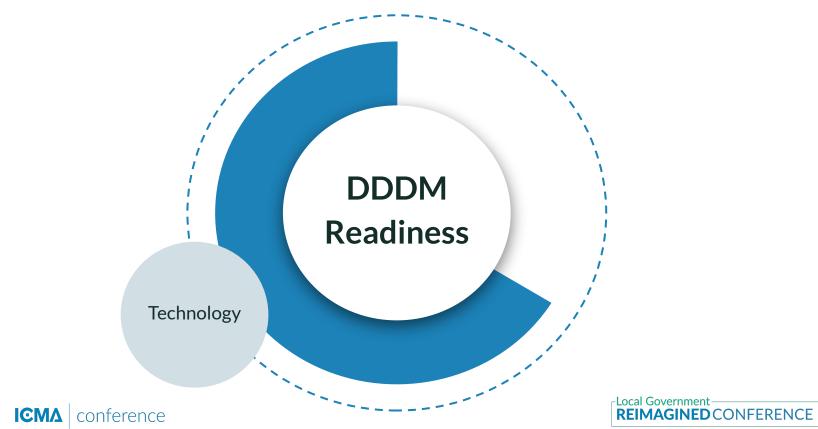


"All I want for Christmas is a data scientist."

- City Manager from New Mexico







Technology and Big Data

"Big data is the new oil"

The companies, governments, and organizations that are able to mine this resource will have an enormous advantage over those that don't.

Jeff Bertolucci, Information Weekly

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The Data Divide





VS



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Take the Assessment and then discuss results with your group

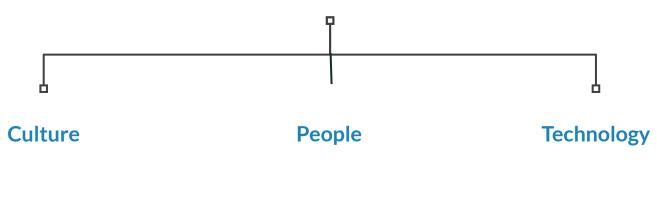








DDDM Readiness Assessment



- Staff training
- Council training
- Innovation Policies
- Change Management Policies

- Leadership support
- **Staff skills:** Innovation, collaboration, risk tolerance
- Staff skills: Data/Technology Dedicated Time

- Resources
- Training
- Systems Integration
- Outsourcing



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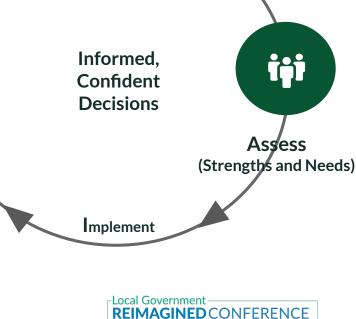
Uses of DDDM in Local Governance





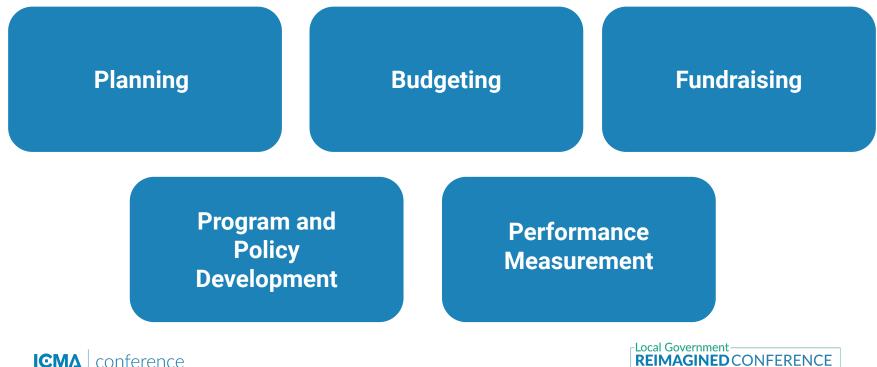
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Engage **The cycle of Data** Informed, **Driven Decision** Confident Decisions **Making** Track





DDDM in Local Government



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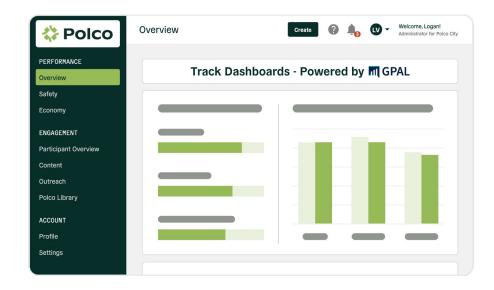
Planning

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GPAL

GPAL (gee-pal) is the premier system for government performance data, analytics, and visualization, helping government leaders better understand their performance metrics and the factors that impact them.



Partners







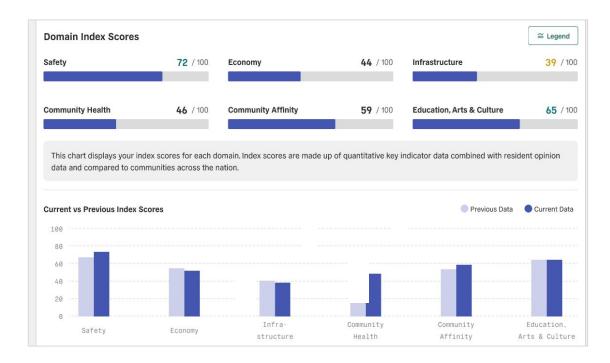
Identifying Community Strengths and Challenges

- Areas on par or above the nation are strengths
- Areas in yellow and red are challenges
- Your own data over time might be the most useful benchmark

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Identification of Key Indicators to Monitor

- Areas on par or above the nation are strengths
- Areas in yellow and red are challenges
- Your own data over time might be the most useful benchmark

Score last updated November 2022		Land Use Housing Mobility U	tilities
Land Use			
55 / 100 + 3			
Community Statistics		Resident Sentiment	
Walkability Index Score	(j)	Overall Design or Layout of Residential and Commercial Areas	(i)
4.77		37% Positive	
Housing Cost Burden for Renters	(i)		
22.53%			

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The National Community Survey (The NCS)

The NCS was developed by NRC survey scientists @ Polco

A standard questionnaire administered in approximately 80 communities yearly across the nation

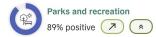
Nearly 500 jurisdictions in The NCS in over 40 states

Opinions representing more than 50 million Americans



Templatized community livability and local government performance survey of residents

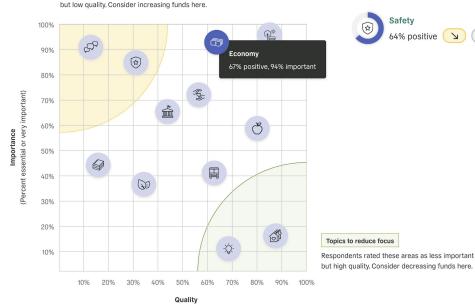
- N of unique jurisdictions: 486
- N of unique survey implementations: 1,349
- N of respondents: 925,032







Community Livability



Critical focus topics

Respondents rated these topics as more important

(Percent excellent or good)







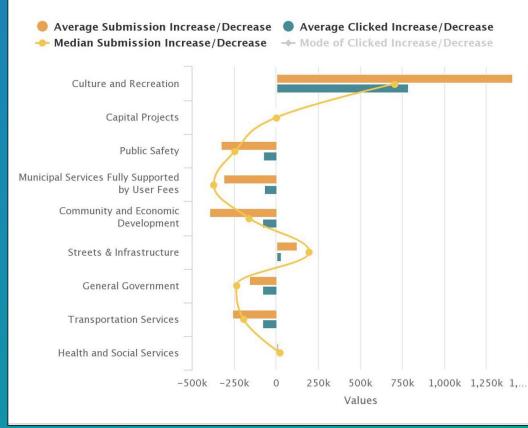
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Budgeting

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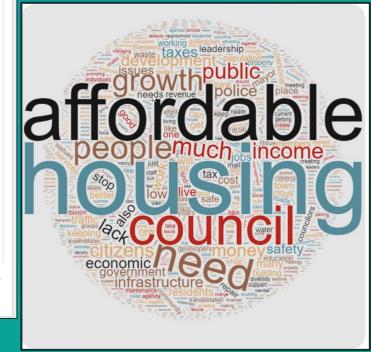
Expenses Budget Comparison

Decreases vs. Increases (Click to hide)



BalancingAct

Resident Opinion as Data in Budget Development



Information Technology Opens New Possibilities to go Beyond Positions¹¹

One of the premises of the Rethinking Budgeting initiative is that information technology provides ways to reach better decisions that were not available years ago. For example, technology could be used to ascertain the preferences of participants in a decision-making process and then compare hundreds or thousands of possible decisions to see which come closest to satisfying the preferences of the highest number of people. This allows the decision to move away from win-lose methods like simple majority votes, which produce outcomes more like "A" below and move toward consensus-finding like "B" below. Though there are fewer fervent supporters in "B," there are more supporters overall and no one who is opposed. This consensus makes it more likely the decision will have a smooth implementation.



GFOA/ICMA: Rethinking Budgeting:

Defining the Problem

"A" (Polarized)

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"B" (Consensus)

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Fundraising

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Local and State governments are now central to delivering over \$1.5T in aid to U.S. communities.

"During the past two years, the federal government has funneled an unprecedented amount of aid dollars to state and local governments." -Route Fifty

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\$150 billion Coronavirus Relief Funds

\$350 billion

American Rescue Plan

\$1.2 trillion

Infrastructure Investment & Jobs Act



Policy and Program Development





Utilize Data Throughout the Policy Lifecycle

Identify Baselines & Trends

Housing is unaffordable to 43% of renters and 29% of homeowners

Median housing value has increased 25% in last two years

Crowdsource Concerns, Brainstorm Ideas

What types of housing are attractive to buyers?

In what areas of town should we increase density?

Prioritize Initiatives & Alternatives

Budget simulations to identify best places to build housing

Program Evaluation

Housing is unaffordable to 39% of renters and 26% of homeowners

Cost of new units is 20% below fair market rental rates

15 Minute City



Average travel time to work (minutes)



Employed persons walking to work

(percent)



Walkability index score

(0=least walkable, 20=most walkable)



Job access score

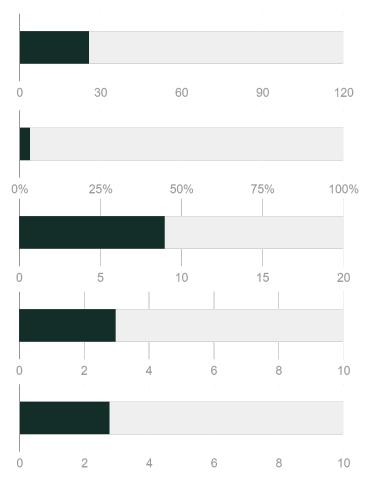
(0=least access to jobs, 10=most access to jobs)



Compact neighborhood score

(0=least dense and walkable, 10=most dense and walkable)





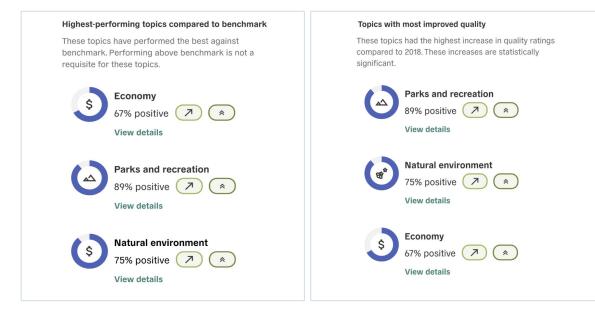


Performance Evaluation

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Evaluating the Community

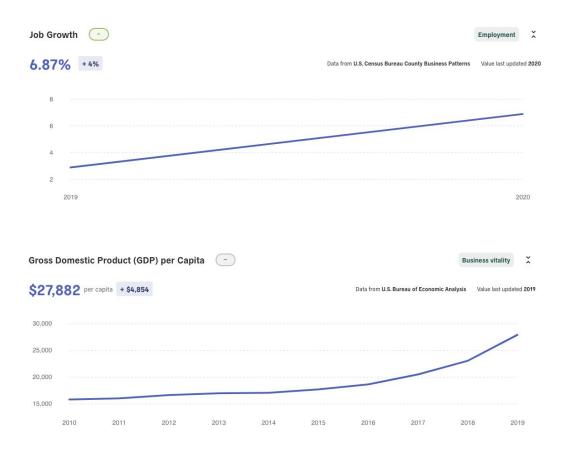






Tracking Economic Development









Mock Strategic Planning









Measuring What Matters





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Indicators with Meaning

- Focus on outcomes
- Use of Inclusive Measures
- Include the resident voice







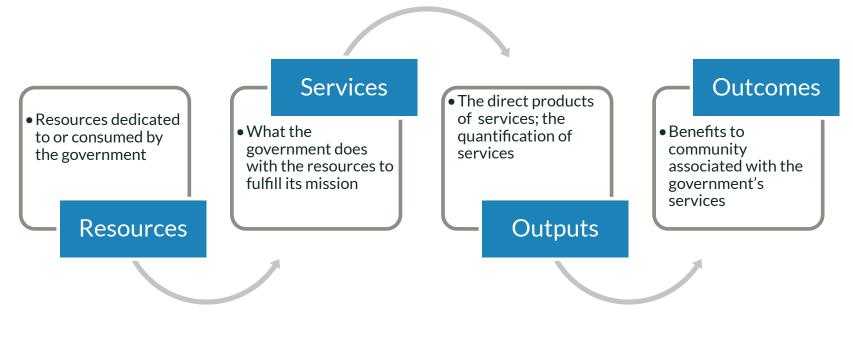


Focus on Outcomes





The Logic of Performance Measures







Measures for Police Services

Resources	Services	Outputs	Outcomes
Annual budget Number FTEs/PTEs Equipment	Police patrols Community outreach	Dollars spent on police services per capita Number of patrols provided	Resident ratings of community safety Reduced crime
ICMA conference		Number of community meetings held	Local Government REIMAGINED CONFERENCE

Logic Model Quiz









Logic Model Quiz

- 1. To improve community sense of safety from 70% to 80% by 2025
- 2. To partner with schools to offer more activities to youth
- 3. To add 10% to the parks budget
- 4. To let no homeless person die from exposure to the cold
- 5. To add three parks maintenance employees
- 6. To increase acreage devoted to parks by 10%
- 7. To serve double the number of meals on wheels to seniors
- 8. To invest \$50,000 in downtown redevelopment





Logic Model Quiz - Answers

Measure Type	Measure
OUTCOME	To improve community sense of safety from 70% to 80% by 2025
ACTIVITY	To partner with schools to offer more activities to youth
RESOURCES	To add 10% to the parks budget
OUTCOME	To let no homeless person die from exposure to the cold
RESOURCES	To add three parks maintenance employees
OUTPUT	To increase acreage devoted to parks by 10%
OUTPUT	To serve double the number of meals on wheels to seniors
RESOURCES	To invest \$50,000 in downtown redevelopment



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The "5 Fold Why"

Whenever you want something, ask yourself "why"?

Why Why Why Why? To get to your true want (or goal).

Josh Kaufman: Personal MBA





The Five Fold Why











Use Inclusive Measures





Identify Inclusive Measures







Include the Stakeholder Voice

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Including the Employee Voice in Organizational Decision Making



Addresses the bottom line in government



Increases transparency



Promotes accountability



Provides opportunities for employee engagement



Improves quality of decisions

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The Wisdom of Crowds

Average of 800 guesses: 1197 Actual weight of the ox: 1198

James Surowiecki – 2004 Sir Francis Galton – 1906

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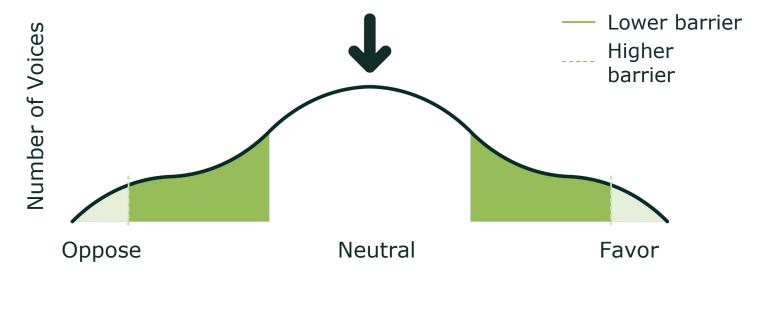
Fewer than 1 out of 5 residents have ever attended a public meeting. A similar number share their opinions online.





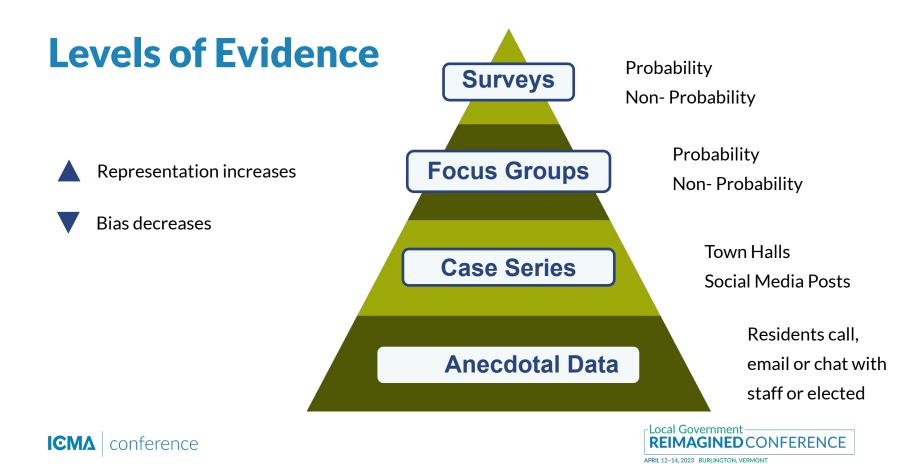


Lowering barriers to participation re-introduces reasonable voices.





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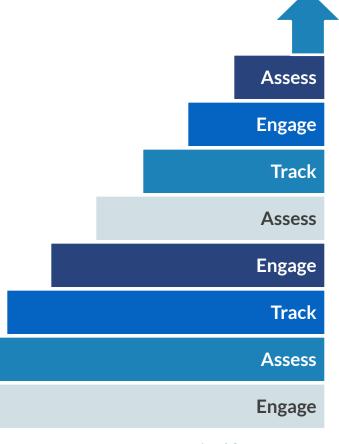
Questions?





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Moving Forward





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Data Driven Decision Making Certificate

- New Certificate Course Offered by ICMA and Polco (and GPAL partners)
- 6 virtual courses running from April 20-June 29
- Capstone project
- Opportunities for presentation at ICMA conference

For more information xxx Angelica information here for sign up/landing page/etc





Data are maaaaaagic.

Thank you!



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The Case for Data Driven Decision Making





Benefits of Data Driven Decision Making (DDDM)

- Aligns strategies with goals
- Promotes accountability and transparency
- Reduces costs by increasing efficiency
- Improves the quality of decisions

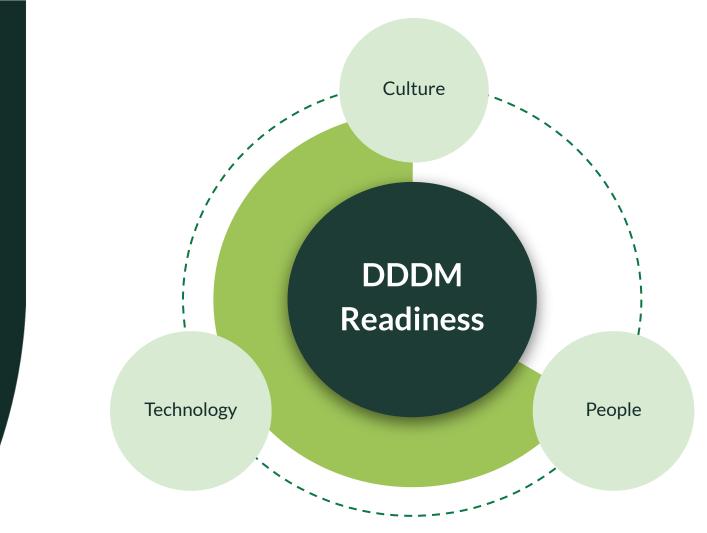


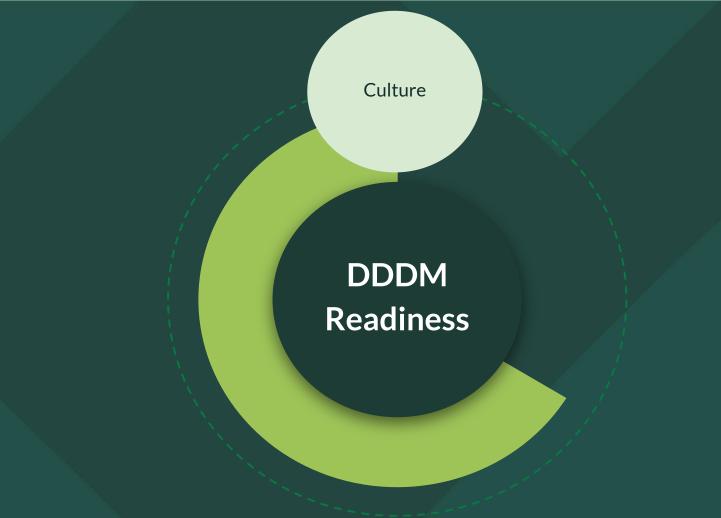
Setting the Stage for Data Driven Decision Making (DDDM)











DDDM Readiness

People

DDDM Readiness

Technology

The Age of Information





Uses of DDDM in Local Governance





A DDDM Oriented Culture



Successful programs require an incentive system that favors risk taking. Harvard Business School



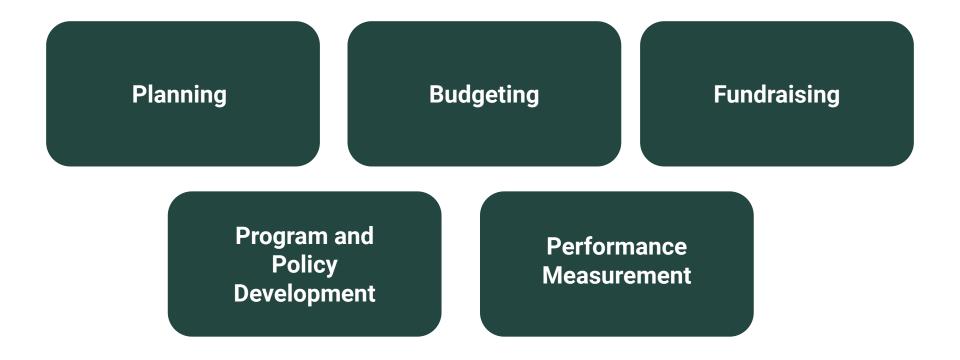
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Using Data to Improve Community Livability



Identifying Community Strengths and Challenges

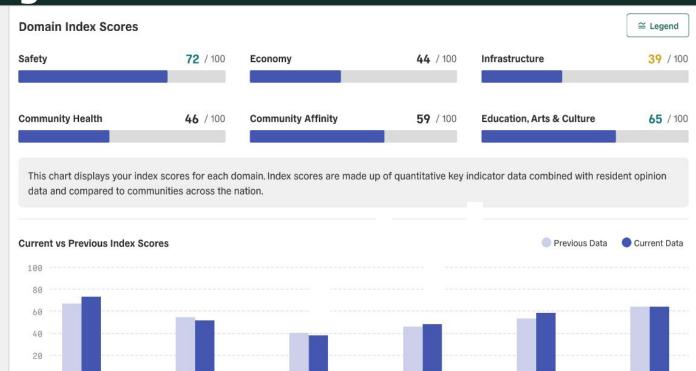
Economy

- Areas on par or above the nation are strengths
- Areas in yellow and red are challenges
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GPAL

0

Safety



Infra

structure

Community

Health

Community

Affinity

Education.

Arts & Culture

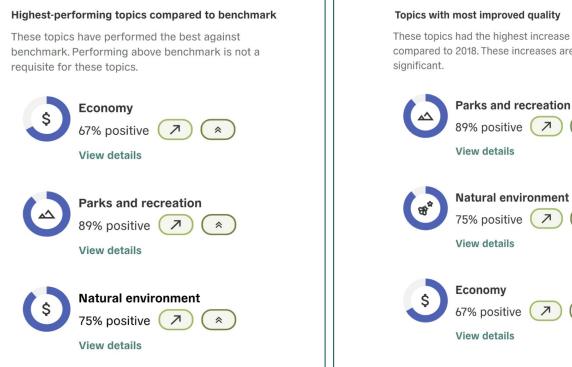


Score last updated November 2022		Land Use Housing Mobility Utilities
Land Use		
55 / 100 + 3		
Community Statistics		Resident Sentiment
Median Housing Sales Price	Ū	Availability of Affordable Quality Housing
\$482,3500		
Housing Cost Burden for Renters	(j)	37% Positive
22.53%		

GPAL



Evaluating the Community



Topics with most improved quality

These topics had the highest increase in quality ratings compared to 2018. These increases are statistically

7

7

7

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*

\$

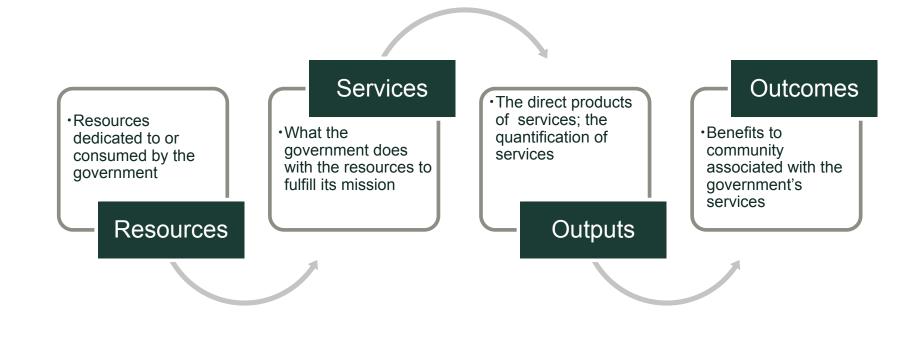


Measuring What Matters





The Logic of Performance Measures









Average travel time to work (minutes)

a Sa

Employed persons walking to work

(percent)



Walkability index score

(0=least walkable, 20=most walkable)



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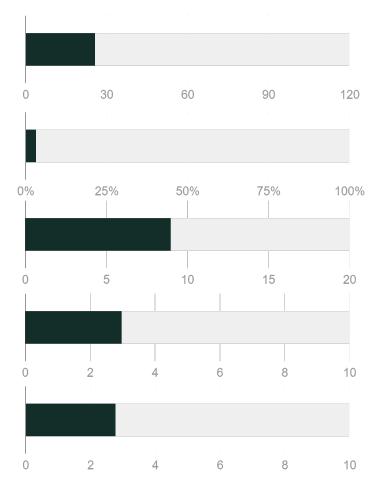
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The Five Fold Why





The "5 Fold Why"

Whenever you want something, ask yourself "why"?

Do this as many times as needed to get to true want (or goal).



Josh Kaufman: Personal MBA

Identify Inclusive **Measures**

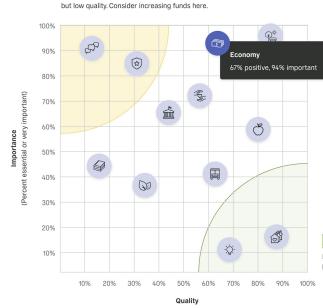
Safety







Communi ty Livability



Critical focus topics

Respondents rated these topics as more important







Topics to reduce focus

Respondents rated these areas as less important but high quality. Consider decreasing funds here.

(Percent excellent or good)



Fewer than 1 out of 5 residents have ever attended a public meeting. A similar number share their opinions online.





Questions?





The Importance of the DDDM in the Private Sector







19x more likely to be more profitable 6x more likely to retain customers

23x more likely to acquire new business

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