DATA 201 – SHARPENING YOUR SKILLS, LEARNING FROM PEERS

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Making the Invisible Visible

Uncovering the Magic in Your Community

Oct. 27, 2022 Power to the People Bankstown, NSW

"Magic is the act of making the invisible visible"

Paulo Coelho

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Agenda

1. Intro - Poll

2. Population Exercise

- 3. "Can't measure, can't manage" Why data is important
- 4. DFAP Four important steps (Determine, Find, Analyze, Present)
- 5. Dirty Dozen Intro to key concepts
- 6. Health of community exercise
- 7. Challenges of data in small (and not-so-small) communities
- 8. Intro to data sources
- 9. Conclusion



What is population of Nelson, BC?

- What do you want data for?
- Trading area
- Catchment area
- Old Census data (May 2021)
- Undercount because people don't want to be counted
- Are you looking at trends, growth, etc.



Know what you want it for; Provide Context



Know what you want it for; Provide Context



"Can't measure, can't manage."

- Numbers, stats and data make life easier
- Increasingly, decision-makers demand/need data to support decisions
 - Covid impact locally
 - Performance & Evaluation as you're designing a program think of the end in mind (outcomes vs outputs - what key numbers can you move/impact?)
- First use of statistics use came in 1744 Scottish
 Preachers Widows' Pension Fund*



* More on Scottish Widows' in *Sapiens* - Yuval Harari https://lookup.london/history-scottish-widows

Telling the Story with Data

4 Important Steps

- D Determine what you need
- F Find it (or create it)
- A Analyze it
- P Present it
- QUICK POLL!



The Dirty Dozen of Data

PREMIUM COLLECTION BLU-RAY" + DVD + DIGITAL DOWNLOAD



1. Data is your friend!



2. Assume your audience is innumerate



3. Indicators only indicate

What I could find out:

- Low GDP/per capita
- High unemployment& welfare rates
- Poor air quality

What I discovered:

- Energetic and vital
- Inclusive
- Super friendly





4. Be able to tell the story...

With stories & statistics CLICK – building intergenerational connections to address social isolation

5. Stories should elicit emotions

Social Isolation

6. We tend to overemphasize things we can count



7. Offer reference points



8. Stolte's 3 Sssss

- Salient
- Surprising
- Sexy



Population Growth Over Last 5, 10, 15 and 20 Year Periods - StellerVista Original Branches



9. Not too much data; error on the side of less is more

16x - 36x

Total Economic Impact of recruiting and retaining one new resident over 5 years (Impact is Total Economic Impact/Median CEDEC 5 Yearly Salary of \$31,000)



10. Know when to use mean, median and mode while talking about 'average'



House hunters at a real-estate showing prepare to see how far their dollars can go. Buyers across the country seem unfazed by skyrocketing prices. Sales were up in March 70 per cent compared to a year ago. (Daniel Acker/Bloomberg)

11. Use cool graphs... supplement with short analysis

GAPS & NAPS

- Graphs
- Numbers
- Analysis
- Pictures
- Stories



BBC Ideas - Five Charts that Changed the World

12. Find ways to count what really matters... sometimes you have to create your own!





What is the health of your community?

- Spend 3 minutes on your own brainstorming possible indicators
- Breakout room discussion for 7 minutes
- Quick report back

What is the health & vitality of your community?

- Local middle-income earners can afford to buy a house in the community.
- Women consider it safe to walk alone downtown at night.
- We have at least one public festival that generates a feeling of magic and excitement.
- Citizens are motivated to learn new skills and develop existing ones.
- You see many active, healthy-looking seniors in this community.
- This town believes in itself. We think that with enough support, we can do anything.



Community health & vitality

- For newcomers to the community and those who wish to, there are meaningful opportunities to get involved and make a difference in the community.
- Groups with similar interests form alliances and co-operate to achieve goals.
- Young adults (age 25–34) consider the community a desirable place to live.
- Citizens greet people on the street, regardless of whether they know them.
- Innovation is valued and recognized in the community.
- There are friendly public spaces where a variety of kinds of people feel welcome: parks, squares, fountains, outdoor cafes, benches, playgrounds.



Be able to ASSESS, FOCUS and ACT

Community Vitality Scores - Churchill Falls Compared to Canada and Other NL Communities - 89 Respondents



The challenges of data in small communities

- 1. Some areas are unincorporated
- Many jurisdictional lines School
 District, Health Area, Regional District
- Data suppression only counts 1 in 4 households

Visible Minority Population (Census 2016)							
		% Of					
	Total	Pop'n					
Total Visible Minority Population	535	5.1%					
Chinese	115	1.1%					
South Asian	85	0.8%					
Japanese	85	0.8%					
Black	60	0.6%					
Latin American	60	0.6%					
Filipino	55	0.5%					
Other (not included elsewhere)	45	0.4%					
Southeast Asian	15	0.1%					
Arab	10	0.1%					
Korean	10	0.1%					
Multiple visible minorities	10	0.1%					

You Need Data - Who ya Gonna Call? Intro to Data Sources



Canadian Census: Statistics: Power from Data! <u>https://www150.statcan.gc.ca/n1/edu/power-pouvoir/toc-</u>

<u>tdm/5214718-eng.htm</u>



BC Community Info Tool (CIT): https://communityinformationtool.gov.bc.ca/cit-

dashboard/public/search-communities



BC Economic Atlas - https://www2.gov.bc.ca/gov/content/employment-business/economic-

development/industry/bc-economic-atlas



Others - Look for Data C

- Local/ Regional Organizations
 - local/ regional tourism associations
 - municipal planning/ regional district planning
 - chambers/ ED orgs/ CFs
 - local/regional real estate associations
 - housing authorities
 school districts

 - other orgs. in community that gather data
 - realtors Tease rates
- Local stats
 - building permits
 - hotel vacancy/ change in revenues from year to year
 - hotel room prices
 - water usage
 - parking revenues
 - late payments
 - recreation centre usage
 - business licenses

		All other businesses	210		
		Top 25 Business Licenses in Nelson	2020 (Red	- big Covid	Impact)
	1	Retail	115		
	2	B and B	98		
	3	General Contractor	92		
Ī	4	Restaurant/ Café/ Deli	52		
	5	Consultant	45		
	6	Massage/ Health Therapy	36		
	7	Hairdressser/ Esthitician	34		
	8	Home Occupation	17		
	9	Electrician	16		
	10	Healing/Accupuncture	16		
	11	Physician/ Surgeons	16		
	12	Daycare	15		
	13	Dentist	15		
	14	Engineer	15		
	15	Physio/ OT	14		
	16	Janitorial	13		
	17	Landscaping	12		
	18	Counselling	10		
		Hotels/Motels	10		
	20	Real Estate	9		
	21	Fitness Centre	9		
	22	Barrister/ Solicitor	9		
	23	Bookkeeper	9		
		Computer Consultant/ Repair	8		
	25	Chiropractor	8		



"After nourishment, shelter and companionship, stories are the thing we need most in the world." — Philip Pullman

- Are you using stats <u>and</u> stories? (GAPS & NAPS)
- Are you making your invisible stories visible?
- Are you measuring what matters (MWM)?

<u>0 & A</u>

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