J202 MASS MEDIA PRACTICES ANALYZING INFORMATION

THIS WEEK IN LAB PRACTICE USING AND ANALYZING DATA TO FIND STORIES

Work with Excel to write a summary of survey data Talk about analyzing information Plan media placement for a public image campaign





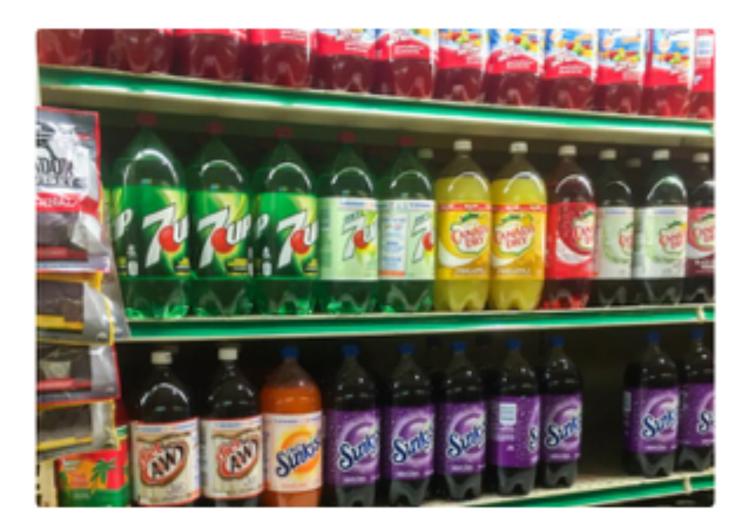
Here's the full statement from PricewaterhouseCoopers:

We sincerely apologize to "Moonlight," "La La Land," Warren Beatty, Faye Dunaway, and Oscar® viewers for the error that was made during the award announcement for Best Picture. The presenters had mistakenly been given the wrong category envelope and when discovered, was immediately corrected. We are currently investigating how this could have happened, and deeply regret that this occurred.

We appreciate the grace with which the nominees, the Academy, ABC, and Jimmy Kimmel handled the situation.



Philly soda tax impact: We drank about 40 percent less in January. billypenn.com/2017/02/23/phi...



9:16am · 23 Feb 2017 · Twitter Web Client

The Mayor's Office says the city earned \$5.7 million in soda tax revenue its first month in effect. So how many sugary beverages did we drink in January? And did the tax force Philadelphians to cut back as much as the city expected?

For starters, the \$5.7 million in revenue means 380 million ounces of sugary drinks were taxed in January. In terms of 12 oz. cans, that would be about 32 million. With our population of about 1.5 million, that's about 21 sugary sweetened beverages per person this month.

And if we're comparing January to recent averages for Philadelphia, soda consumption went down by about 40 percent. According to the Health Department, Philly consumes 7.68 billion ounces of sugary beverages a year, or 640 million ounces a month. The 380 million ounces is about 40 percent less than that average.

<u>640 million gallons-380 gallons</u> = - 41 percent 640 million gallons 39. As president, do you think Donald Trump should - support efforts to repeal the Affordable Care Act, also known as Obamacare, or not?

							COLLEGE DEG	
	Tot	Rep	Dem	Ind	Men	Wom	Yes	No
Yes/Should	43%	85%	9%	43%	48%	39%	46%	57%
No	54	12	88	54	50	58	52	39
DK/NA	3	3	3	3	3	3	2	4
	AGE IN	YRS			WHITE			
	18-34	35-49	50-64	65+	Men	Wom	Wht	NonWht
Yes/Should	35%	42%	47%	47%	55%	47%	51%	22%
No	65	57	49	49	42	50	46	75
DK/NA	1	1	4	4	3	3	3	3
	ANNUAL HOUSEHOLD INCOME							
	<30K	30-50	50-100	>100K				
Yes/Should	41%	40%	50%	40%				
No	58	57	47	59				
DK/NA	1	4	3	1				

TREND: As president, do you think Donald Trump should - support efforts to repeal the Affordable Care Act, also known as Obamacare, or not?

			Yes	No	DK/NA
Feb	23,	2017	43	54	З
Feb	08,	2017	46	50	4
Jan	12,	2017	48	47	5

THAT MEANS EFFECTIVELY JUDGING WHERE WE GET INFORMATION, EFFECTIVELY ANALYZING THE INFORMATION WE HAVE AND AVOIDING TRAPS THAT PREVENT US FROM EFFECTIVELY PRESENTING OUR INFORMATION.

HOW CAN WE USE DATA & NUMBERS TO TELL STORIES?

How can we use it?

re birf/Flickr Creative Commons 0342424 0553340 0311 5550050 363545 2000 0973300 457 10Z 3466 36 0471565 **JEET** 3 4275100 335 5032006 3327 3 3 3 3 3 -1549702 497643 2242342322 00197

It's evidence that tells a story FIND A STORY IN THE NUMBERS

WORKING WITH DATA

SIX STEPS FOR USING DATA

- Get
- Clean
- Interview
- Analyze
- Tell stories
- Visualize



IT STARTS WITH INFORMATION LITERACY YOU ARE CONSIDERED INFORMATION LITERATE WHEN YOU:

- Know when you need information
- Know where to find it
- Know how to evaluate it
- Know how to use it

IT STARTS WITH INFORMATION LITERACY

"Real journalism is work that goes through a process." — Tom Rosenstiel, American Press Institute Home > News > BREAKING: "Tens of thousands" of fraudulent Clinton votes found in Ohio warehouse

NEWS POLITICS

BREAKING: "Tens of thousands" of fraudulent Clinton votes found in Ohio warehouse

By admin1 - September 30, 2016 🐵 46021 🛤 0





INFORMATION FAILURES

- When people accept false information as fact
- When something true is not covered
- When importance is given to a subject being discussed
- When information is manipulated

BE SKEPTICAL BUT NOT CYNICAL

"Skepticism is about asking questions, being dubious, being wary, not being gullible." — Tom Friedman, New York Times

We have a duty to get things right, but we make mistakes. Just don't repeat them.

BE SKEPTICAL BUT NOT CYNICAL

If your mother says she loves you, check it out.

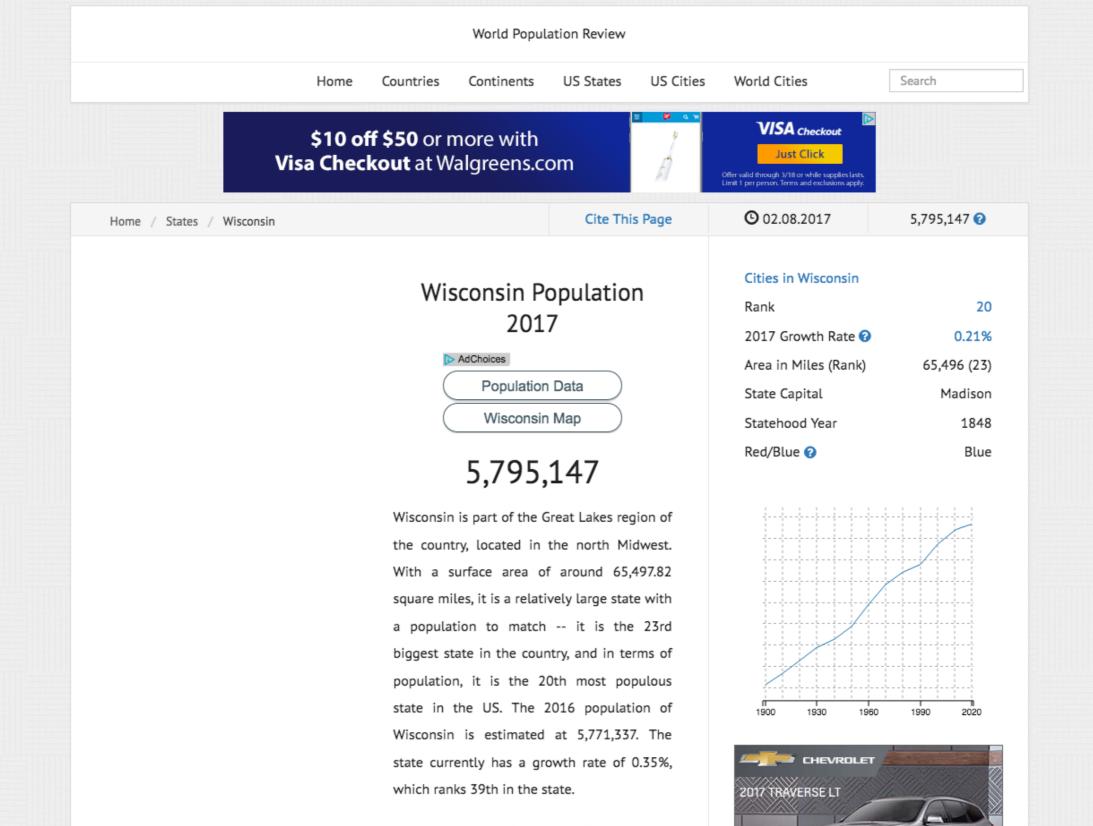
NOTHING IS BEYOND CONFIRMATION.

NEVER USE INFORMATION WHEN YOU CAN'T TELL WHAT THE SOURCE IS

Authority
Accuracy
Objectivity
Timeliness



David Michalczuk/Flickr Creative Commons



The last census within the US was carried

BERGSTROM CHEVY MIDDLETON

SCHEDULE YOUR TEST DRIVE TODAY

Full Offer Details

out in 2010, so in order to judge the population of Wisconsin in 2016, those figures have to be projected forward in the best way possible. Based on the state's growth rate, the population is now 5,771,337 in 2016, showing a 1.5% growth from the 2010 figure of 5,686,986.

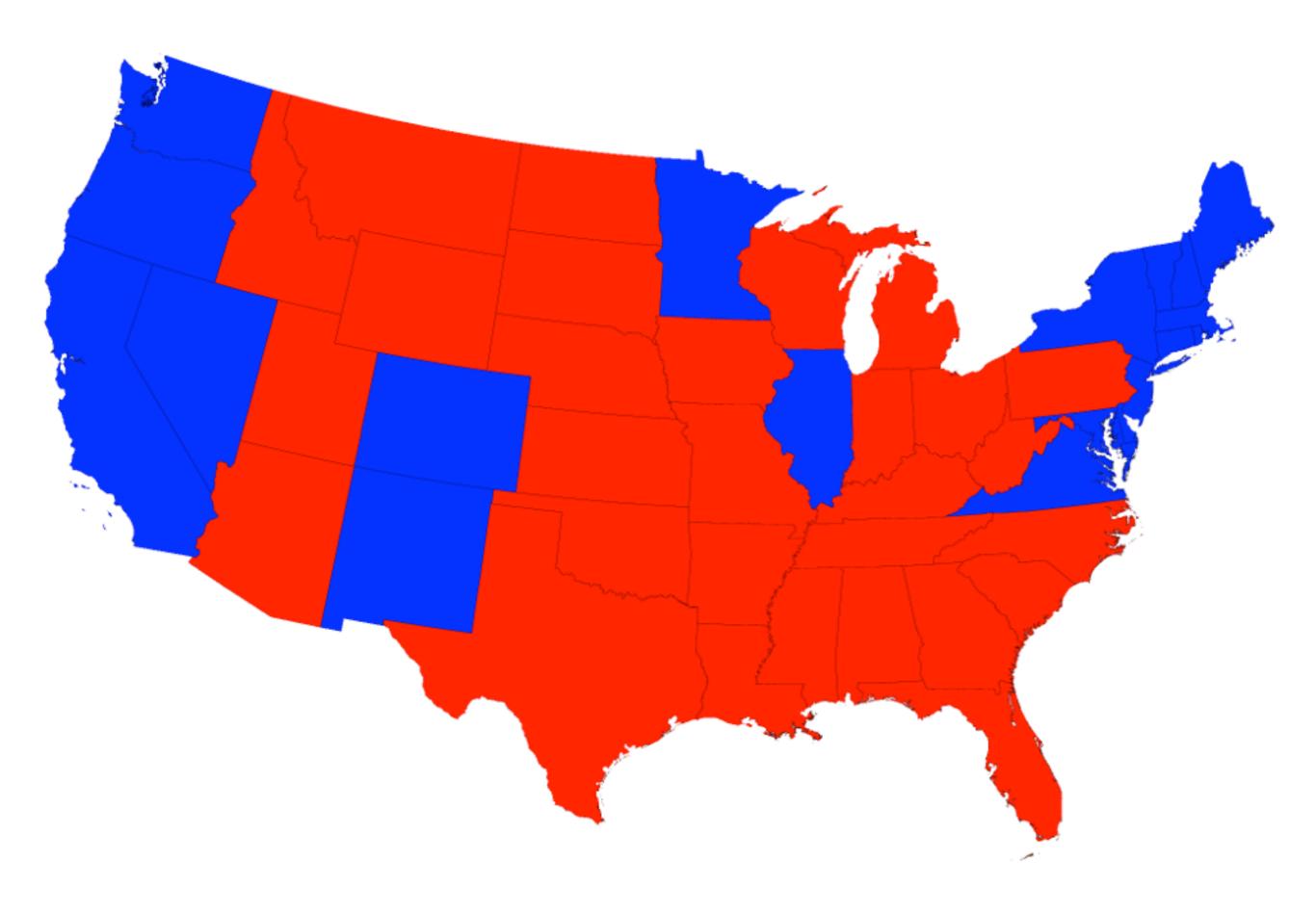
Within the surface area of 65,497.82 miles, there is an average of 105 people for every square mile of Wisconsin land. That figure converts to 39.6 people for every square

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Timeliness



David Michalczuk/Flickr Creative Commons

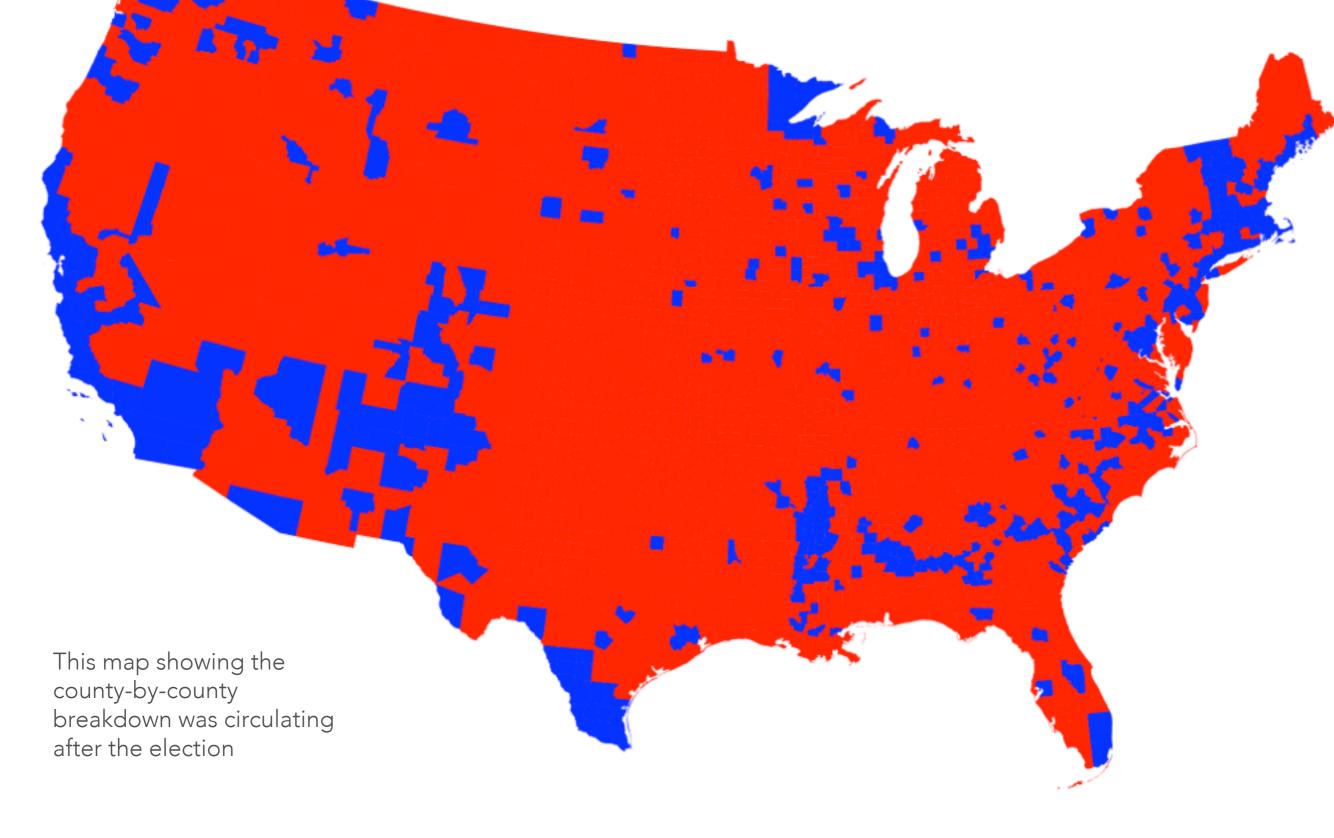


University of Michigan/Mark Newman

This map represents population by distorting the size of the states

University of Michigan/Mark Newman

This map represents the weight of the electoral votes cast by each state



This map represents the counties resized by population, which shows the urban support for Clinton and rural and suburban for Trump

1

Here's another look at the counties showing the breakdown of votes in shades of red, blue and purple — demonstrating how close the election was

1

EVIDENCE

- Use it to support conclusions and themes
- Ensure that it is accurate
- Analyze it free of bias
- Present it in context

EVIDENCE what kind do we use?

 Anecdotal • Scientific Interviews Observation

SURVEYS

- sampling error
- random samples
- range of error based on size
- larger sample = smaller range
- results correct +/number of percentage points
- usually made with 95% confidence

Approval Ratings +/- 3 59 App: 56% 53 47 Disapp: 44% 41

SURVEYS

•non-sampling error

- poor response rate
- poor questions
- poor answer options
- poor interviewer skills
- poor interviewing environment

Wouldn't you oppose efforts to decrease affirmative action efforts on campus? BAD QUESTION Think about affirmative action efforts on campus. Do you favor such efforts, oppose such efforts or have no opinion? BETTER QUESTION Chancellor Rebecca Blank sees diversity as a top issue on campus. Do you agree?

BAD QUESTION

On a scale of 1 to 7 with 1 being not at all important and 7 being extremely important, how important an issue is diversity on campus?

BETTER QUESTION

Do you favor or oppose proposed cuts to state funding of the UW and the effect they will have on diversity?

BAD QUESTION

Do you favor or oppose the proposed \$250 million cut in state funding to the UW? (If favor) If the cuts meant a loss of funding for diversity efforts, would that strengthen your support, weaken your support or not change your support

BETTER QUESTION

FOCUS GROUPS

- test concepts and mockups
- develop questionnaires
- generate ideas
- position product
- assess usability

FOCUS GROUPS TECHNIQUES

- survey
- in-depth interview
- product tests
- ranking exercises
- comparison games
- role-playing
- free-form discussion

WE POLLED PEOPLE CALCULATIONS YOU BETTER KNOW

MEASURES OF CENTRAL TENDENCY

- mean (average) = sum/# of items
- median = middle number of ordered set
 - outliers

PERCENTAGES

- x/y, where x is the portion and y the whole population
 - 43 subjects of 210 in focus group chose Oreos
 - 43/210 = .205
 - 20.5% of subjects chose Oreos

PERCENT CHANGED

- percent changed = change/original value
- consumer recognition of the brand jumped from 15% to 25%
- change of 10 percentage points
- but percent changed much more

RATES

- percentage with a standard baseline
- murders last year: Milwaukee = 111, Madison = 3
- population: Milwaukee = 596,974, Madison = 208,054
- murder rate per 100,000 residents
- Milwaukee = 111/(596,974/100,000) = 18.6
- Madison 3/(208,054/100,000) = 1.4

CPM

- cost per thousand
 - ad cost/(audience/1000)
 - Sports Illustrated
 - \$203,000 for full-page ad
 - 3,212,000 audience
 - CPM = 203,000/(3,212,000/1,000) = \$63.20
- CPP

COUNTS

instances of a variable

	Excel	File Edit Vie	w Insert	Format	Tools
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2		Advertiser	Category		
3		Covergirl	1		
4		Victoria's Secret	2		
5		Neutrogena	1		1
6		Neutrogena	1		
7		Skyy	3		
8		L'Oreal	1		
9		L'Oreal	1		
10		Match.com	4		
11		Revion	1	8	
12		Covergirl	1		
13		Olay	1		
14		WB	5		
15		Olay	-		
16		Bebe	1 2 2 6		
17		Payless	2		
18		Reach			
19		Covergirl	1		
20		Splenda	7		
21		Matrix	1		
22		Covergirl	1		
23		TIVO	4		
24		L'Oreal	1 9		
25		Vegas			
26		Covergirl	1		
27					
	Covergirl	5		1=beauty	
	L'Oreal	3	3	2=apparel	
30	Olay	2		3=alcohol	
31			2	4=services	
32					
2.2					

AUDIENCE COMPOSITION

- % of an outlet's audience that fits a characteristic
- gender, education, income, lifestyle

COMPOSITION INDEX

- compares a comp percentage against expectation for whole population (100)
- TIME magazine:
 - men: 55.5% (116 index)
 - women: 44.5% (86 index)

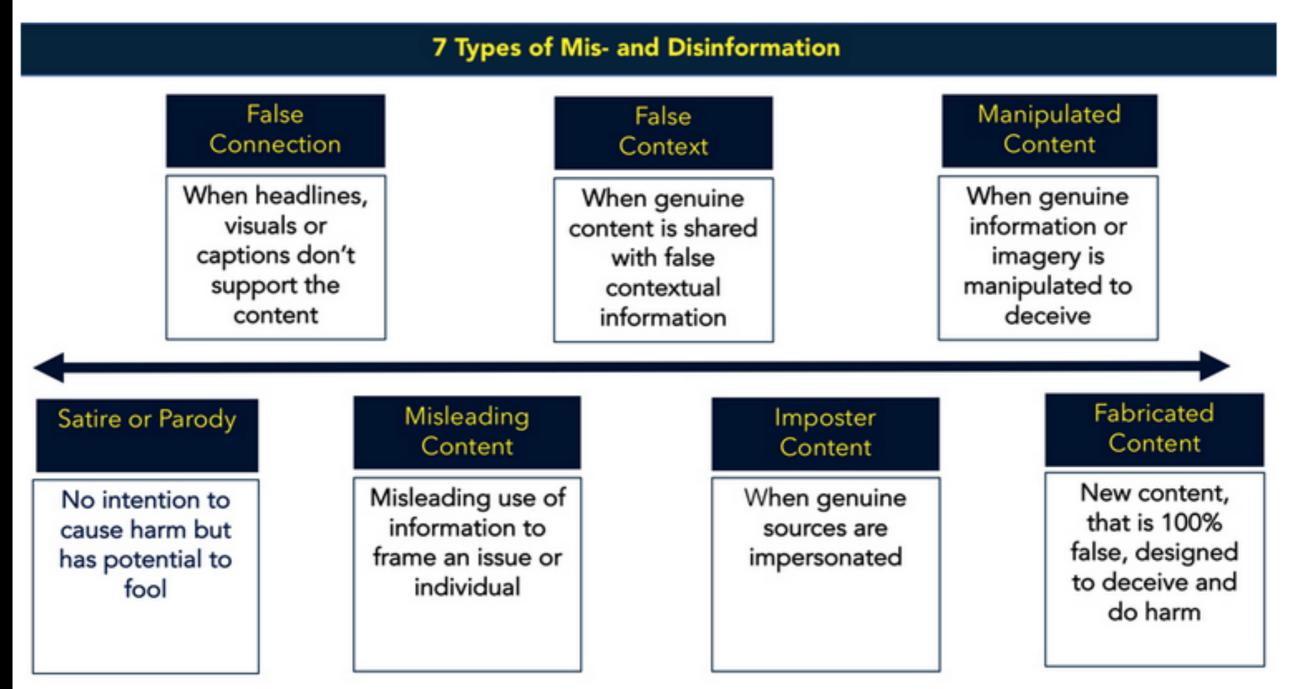
OTHER ENTITIES' BUDGETS

municipal

° [os 💌 🗙 🛷 📰 😑 =(C5-B5)/B5				
0	00	wk5_budget.xls			
0	A	B	C	D	
3	REVENUE				
4		10 02 C	1. 353 ····		
5	TAXES	\$79,351.00	\$81,882.03	3%	
6	SPECIAL ASSESSMENT	\$0.00	\$0.00	0%	
7	MOBILE HOME FEES/LOTTERY CREDIT	\$4,500.00 \$4,000.00		-11%	
8	9 Y & LE N & LE X LE	\$83,851.00	\$85,882.03	2%	
9					
10	INTERGOVERNMENTAL REVENUE				
11	STATE SHARED REVENUE	\$152,588.00	\$152,528.00	0%	
12	FIRE INSURANCE DUES	\$700.00		18%	
13	STATE TRANSPORTATION	\$20,956.00	\$24,099.97	15%	
14	RECYCLING GRANT	\$0.00	\$0.00	0%	
15		\$174,244.00	\$177,452.97	2%	
16					
17	REGULATION AND COMPLIANCE				
18	BEER/LIQUOR LICENSE	\$800.00	\$1,000.00	25%	
19	CIGARETTE & BARTENDER LICENSES	\$140.00	\$150.00	7%	
20	REFUSE & MOBILE HOME LICENSES	\$140.00	\$140.00	0.96	
21	BUILDING PERMITS	\$500.00	\$500.00	096	
22	PARKING FINES	\$0.00	\$0.00	0%	
23	INSURANCE REFUND-WAUSAU	\$500.00	\$225.00	-55%	
24	FIRE PROTECTION-TOWNSHIP	\$4,000.00		0%	
25	REFUNDS/DIVIDENDS	\$0.00	\$0.00	0%	
26	REFUSE COLLECTION FEES	\$22,000.00		0%	
27	OTHER	\$0.00		0%	
28	PROCEEDS LONG-TERM DEBT (WATER-SEWER)	\$20,550.00		-10%	
29	· · · · · · · · · · · · · · · · · · ·	\$48,630.00	· · · · · · · · · · · · · · · · · · ·	-4%	
30		1			
31	USE OF MONEY & PROPERTY				
32	INTEREST ON INVESTMENTS	\$3,000.00	\$2,000.00	-33%	
33	RENTAL INCOME-HALL	\$1,200.00		0%	
34	RENTAL PROPERTY	\$5,000.00		0%	
35	PRIOR YEAR BALANCE	\$12,500.00	\$12,000.00	-4%	
36	PARK RENTAL	\$500.00	\$250.00	-50%	
37		\$22,200.00	\$20,450.00	-8%	
38		422,200,00	420,100,00		
39		\$328,925,00	\$330,350.00	0%	
40		\$020,720,00	4000,000,000	0,0	

USING DATA IN WRITING ANALYTICAL SKILLS

To understand the misinformation ecosystem, here's a break down of the types of fake content, content creators motivations and how it's being disseminated



confuse evidence by focusing on self

PERSONALIZATION

believe evidence is more extensive

OVERESTIMATION

things can be related without one causing the other

CORRELATION VS. CAUSATION

flaws of eye witnesses

FAULTY RECOLLECTION

accuracy doesn't always equal truth

CONTEXT

give misimpression by equalizing quality or quantity of evidence for opposing sides of an issue

FALSE EQUIVALENCE

swaying information to support a particular political, social or economic point of view

IDEOLOGICAL BIAS

tilted information resulting from disparities in representation based on race, gender, religion, socioeconomic status, etc. infer thoughts, feelings, emotions without sufficient evidence

MIND-READING