

"This was actually fun!"

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**Engaging users in conversations about digital literacy**

Madisson Goldhawk, Erin Johnson, Lillian Rigling

# Hello!

**Erin Johnson**, Research & Instructional Services, Western Libraries

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**Lillian Rigling**, Research & Scholarly Communications Librarian, Western Libraries

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@erniee\_jo

@maddiegoldhawk

@lilyrglg

#DigLitFun



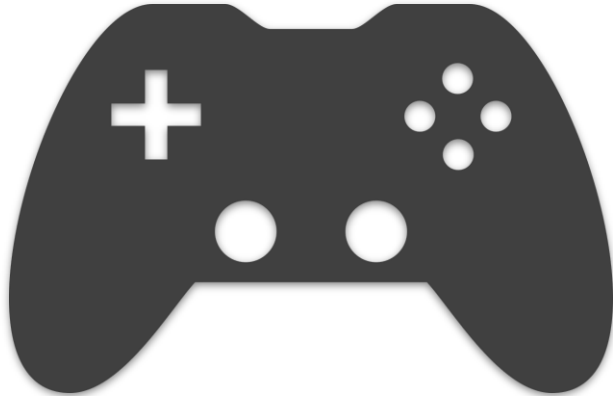
# Purpose

To connect the Western University community with tools to improve their 21st century digital literacy

To provide students with actionable first-steps to critically evaluate their consumption/creation of digital information

# What We Did...

4



**Aligned with...**

**Open Access Week (October 23-29, 2017)**

**Cybersecurity Awareness Month (October)**

**Choose Privacy Week (May 1-7, 2017)**

You Can Do It, Too!



<https://digitalliteracy.info/>



# Checking Your Information Privilege

Recognizing Inequitable Access and  
Injustice in Media



## Recognizing Inequitable Access

A card sorting game was used to demonstrate the high cost of library resources relative to the cost of consumer items.

Aligned with Open Access Week.





ScienceDirect



\$5,150

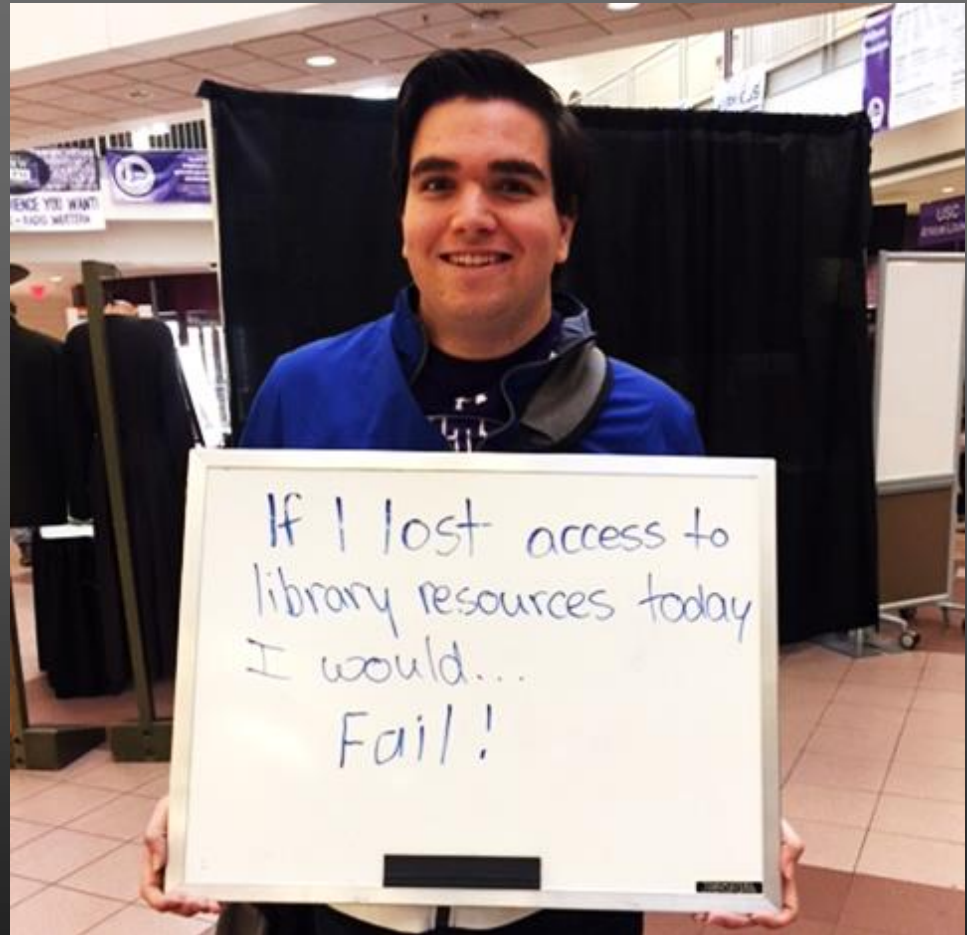


\$335,000

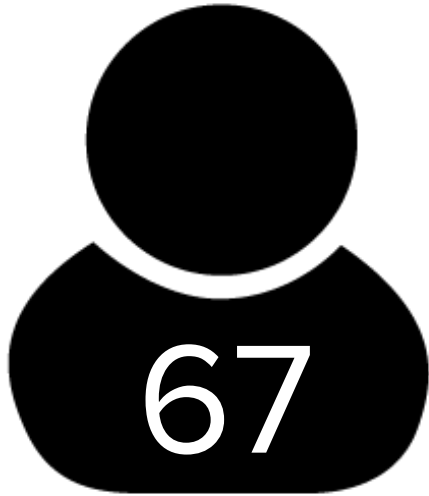


\$2,265,778.66

Complete the sentence:  
“If I lost access to library  
resources today, I  
would...”



# How'd it go?



**Students were shook.**

**...In a good way!**

“What?! Is that price for the whole school?! That's insane.”

“Woah! That's a crazy expensive database.”

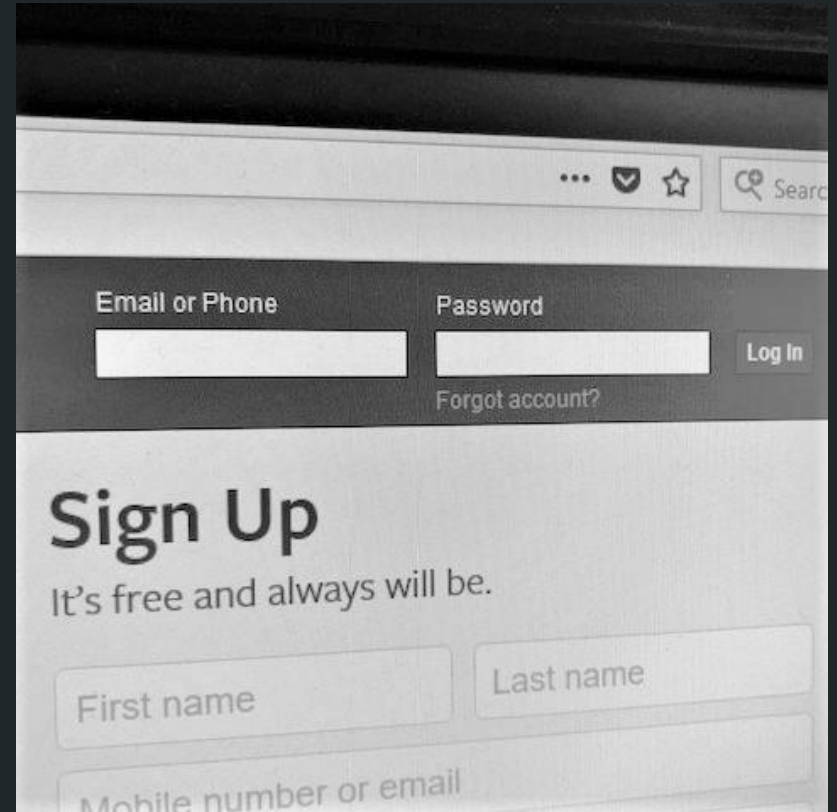
“Eye-opening!”

“Is there a petition I can sign?”

“I definitely support open access.”

# You Shall Not Pass

Improving Password Security



# HOW SECURE IS MY PASSWORD?

ENTER PASSWORD

## Improving Password Security

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This activity uses an online password checker produced by Dashlane Password Manager, to raise awareness of password security and password best practices.

# How Secure Is Your Password?

It would take a computer...

to crack my password.

FREE  
STUFF!

instantly 50 milliseconds

25 milliseconds

9 hrs

4 weeks

6 mo

1 month

400 yrs

6000 yrs

30000 yrs

5 million

250 million

1 billion

10 billion

100 billion

1 trillion

10 trillion

100 trillion

1 quadrillion

10 quadrillion

100 quadrillion

1 quintillion

UNITY  
ESK

For your  
it, go to  
King Form  
6, 6, 6, 6, 6, 6

FOR  
S ONLY



**Let's Play !**

<https://howsecureismypassword.net/>

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## Breaches you were pwned in

A "breach" is an incident where data has been unintentionally exposed to the public. Using the [1Password password manager](#) helps you ensure all your passwords are strong and unique such that a breach of one service doesn't put your other services at risk.



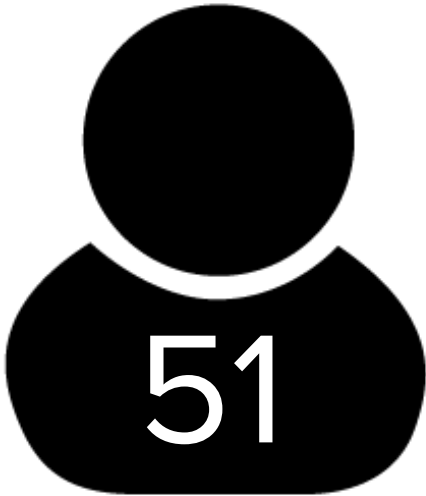
**Ticketfly:** In May 2018, the website for the ticket distribution service [Ticketfly](#) was defaced by an attacker and was subsequently taken offline. The attacker allegedly requested a ransom to share details of the vulnerability with Ticketfly but did not receive a reply and subsequently posted the breached data online to a publicly accessible location. The data included over 26 million unique email addresses along with names, physical addresses and phone numbers.

**Compromised data:** Email addresses, Names, Phone numbers, Physical addresses

## Have I Been Pwned?

This supplemental activity makes use of [Have I Been Pwned?](#), a free resource to quickly assess if an online account of has been compromised or "pwned" in a data breach.

# How'd it go?



**Participants were skeptical.**

**...With good reason!**

“There's a lot of sketchy things going on here:  
free candy, asking us for our passwords?...”

“Can I trust you?”

“Is this a scheme to get my password?”

“I don't want to know. I really don't.”

“I use the same password for everything.”



**Erin Johnson** @erniee\_jo · 2 Oct 2017

So much fun talking pswd security today w/ @MaddieGoldhawk and @lilyrglg  
Check your pswd security here: [howsecureismypassword.net](http://howsecureismypassword.net)



**Lillian Rigling** @lilyrglg

Checking password security at @westernulibs with @erniee\_jo and @MaddieGoldhawk

1 2 6



· 2 Oct 2017

seems wrong to determine how secure my password is by putting it into a random website 🤔

1 2



**Lillian Rigling** @lilyrglg · 2 Oct 2017

fair, but howsecureisyourpassword is made by dashlane, all the code is open & available on GitHub, and no data is stored ;)

1



· 2 Oct 2017

oh I am sure that y'all wouldn't promote it otherwise, it just seems like a natural no-no

1



· 2 Oct 2017

wow a password I thought was the most secure is not, and another password that I thought was weak apparently would take 10 years to crack.

2 1

Plenty of users were wary of the tool.

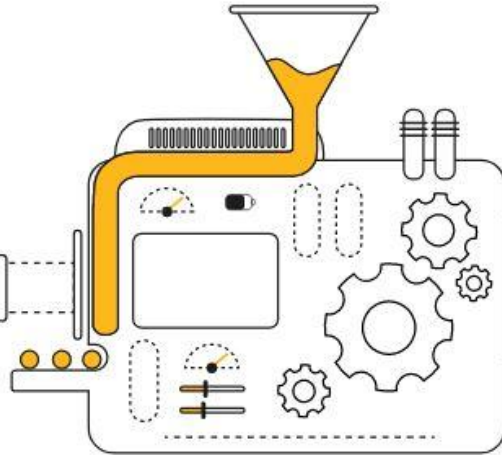
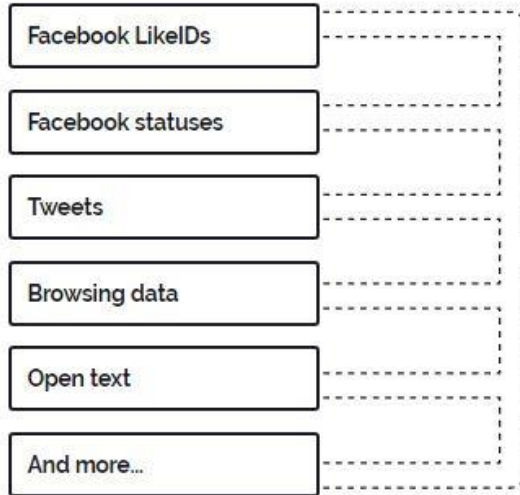
# I Always Feel Like Somebody's Watching Me

Practical Lessons in Digital Privacy

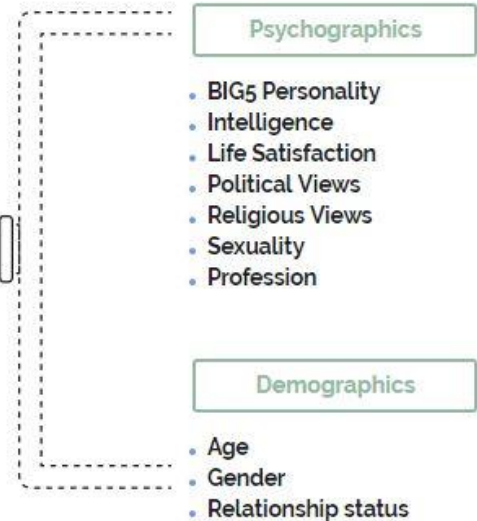


# Trait Prediction Engine

## Digital footprints



## Individual profiles

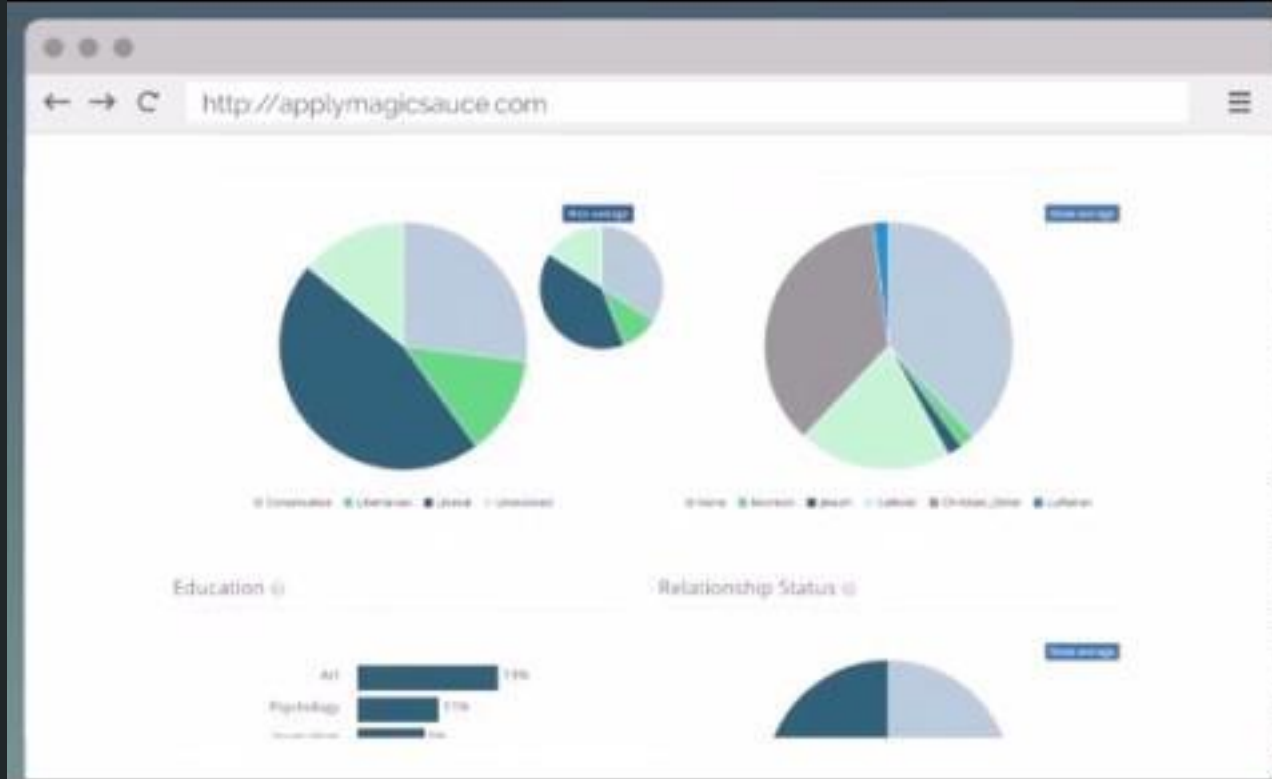


# Lessons in Digital Privacy

Web-based tool to predict the psychological traits using the digital footprint of social media users.

The game :

- “Do you want to find out who Facebook thinks you are?”
- Talk to users about privacy settings while they check out their digital profile



<https://applymagicsauce.com>

# How'd it go?



**Users were engaged.**

**...And had mixed reactions.**

“Far from accurate”

“This is a little bit eerie”

“That’s not even close to right”

“Weirdly accurate”

“Advertising is crazy these days”

“Ten year old me was a different me...  
this isn’t who I am anymore”

# Fake News and You

Critically Evaluating Information



**Media Bias Fact Check**



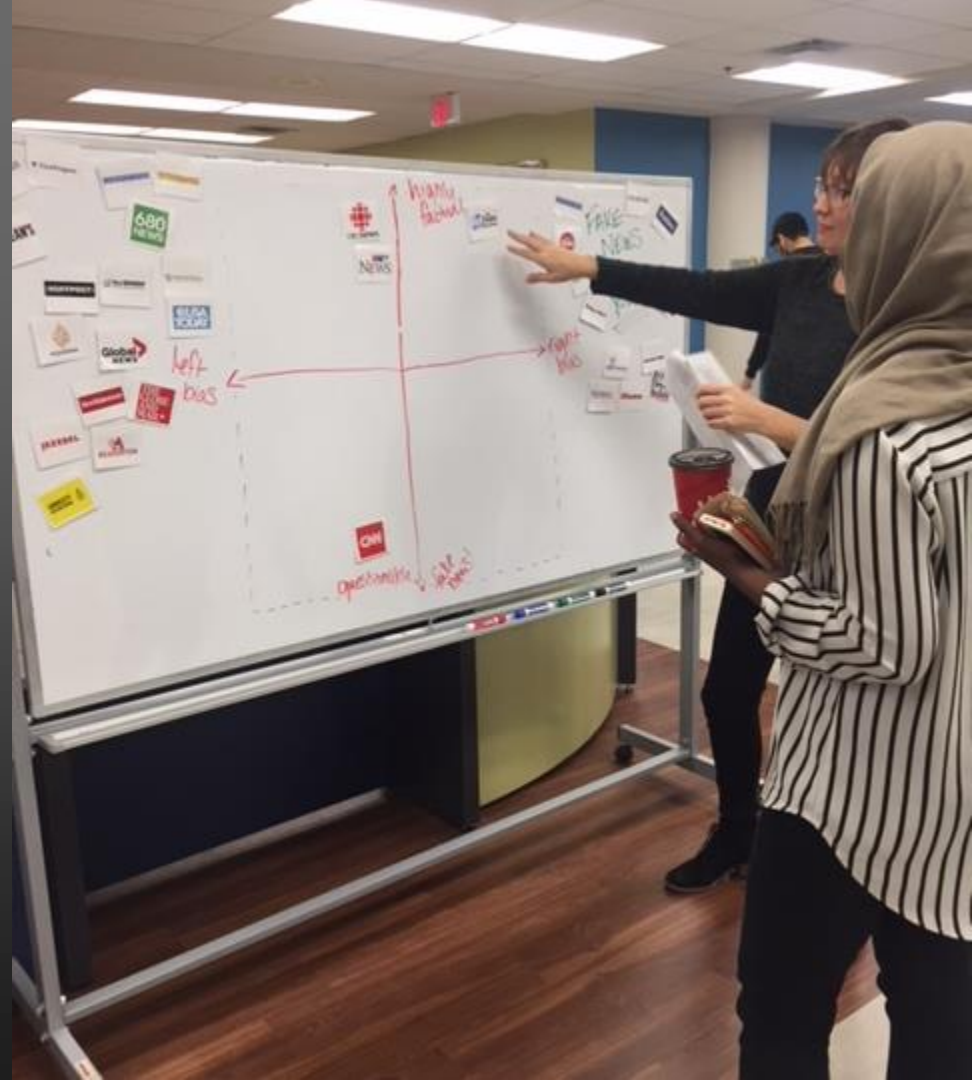
## **Critical Evaluation of Information**

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Card sorting game is based on information found at Media Bias Fact Check.

**<https://mediabiasfactcheck.com/>**

What's the bias of your favourite news source?





**Let's Play !**

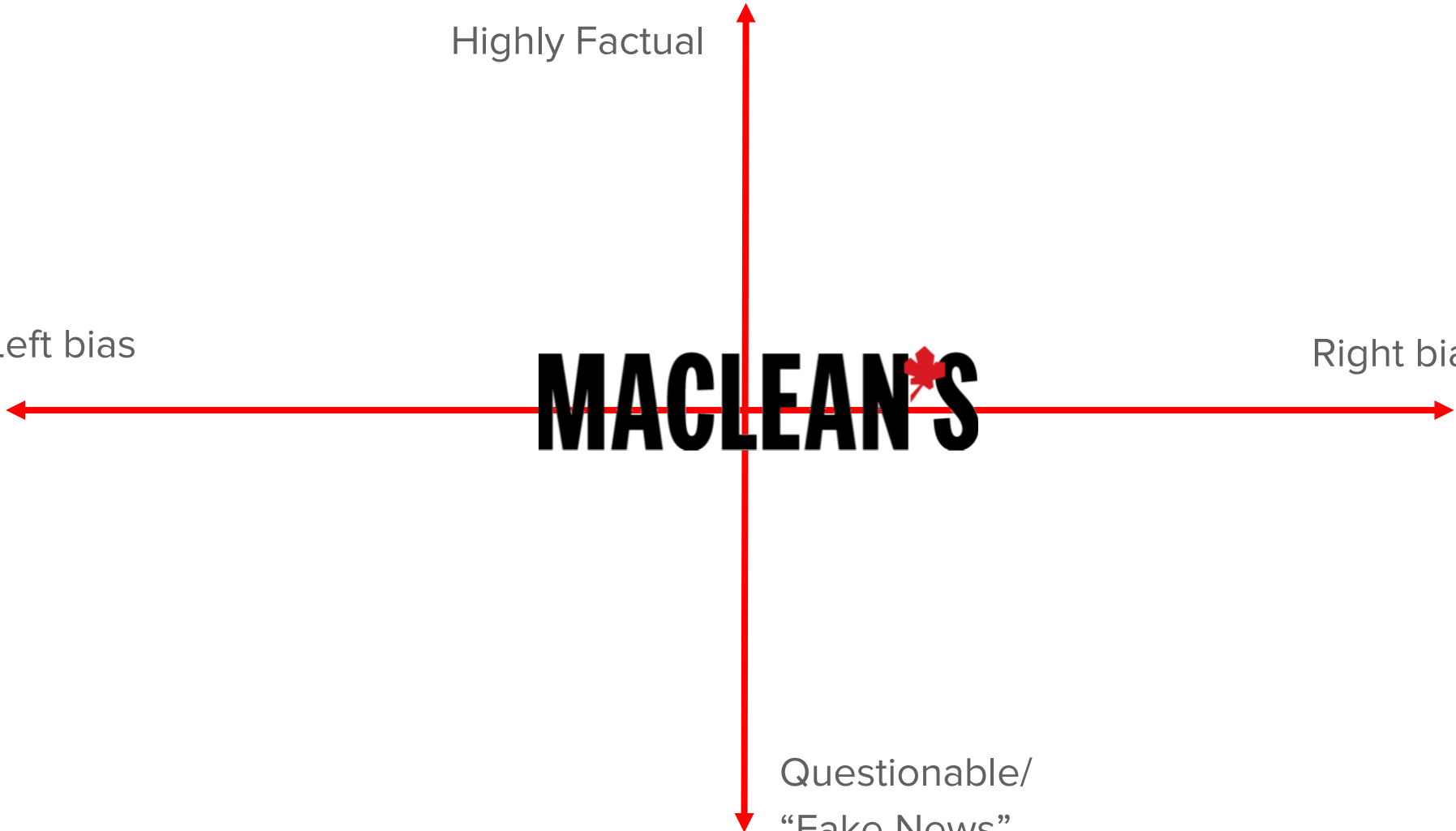
Highly Factual

Left bias

**MACLEAN'S**

Right bias

Questionable/  
"Fake News"



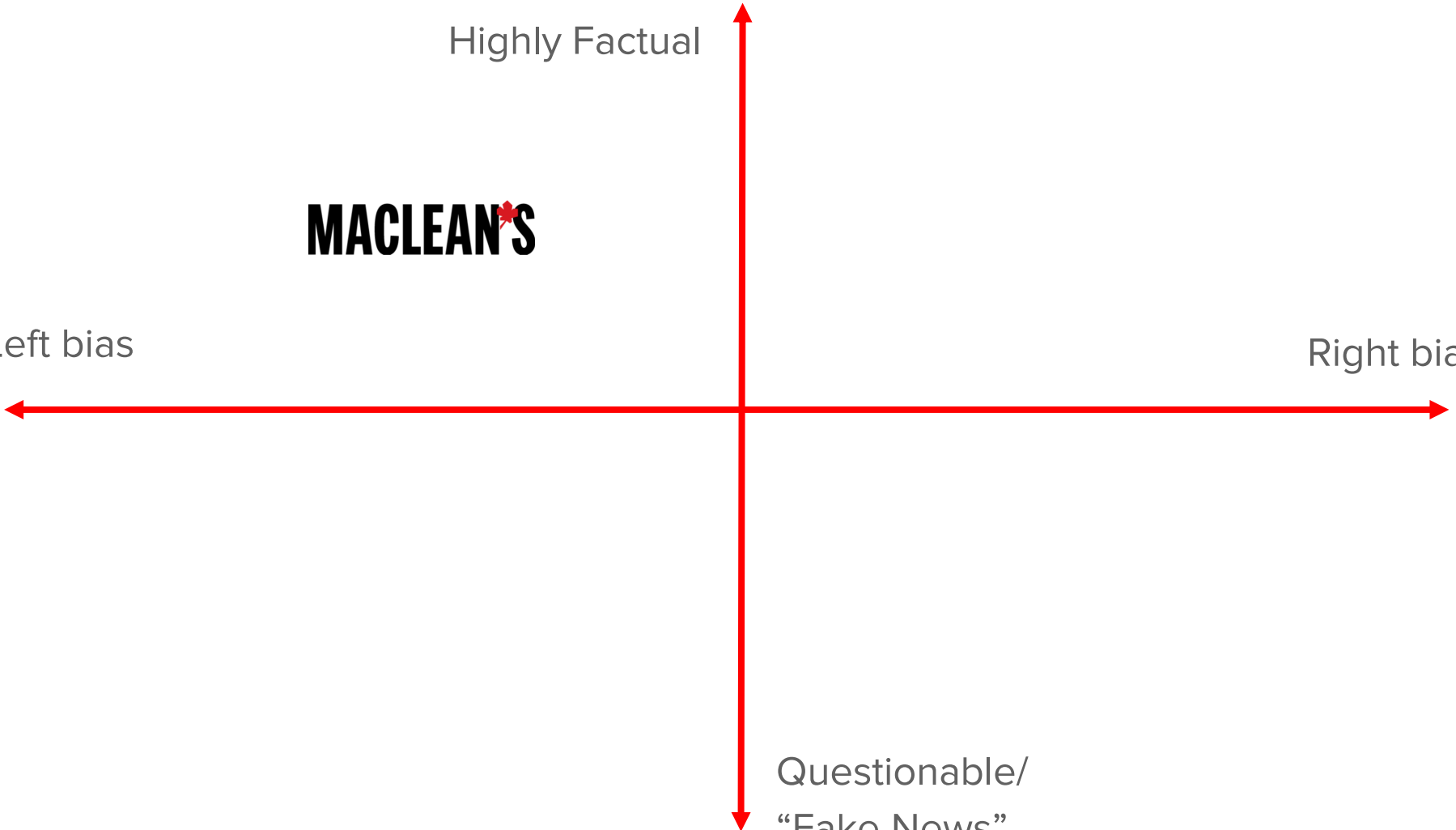
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"Fake News"



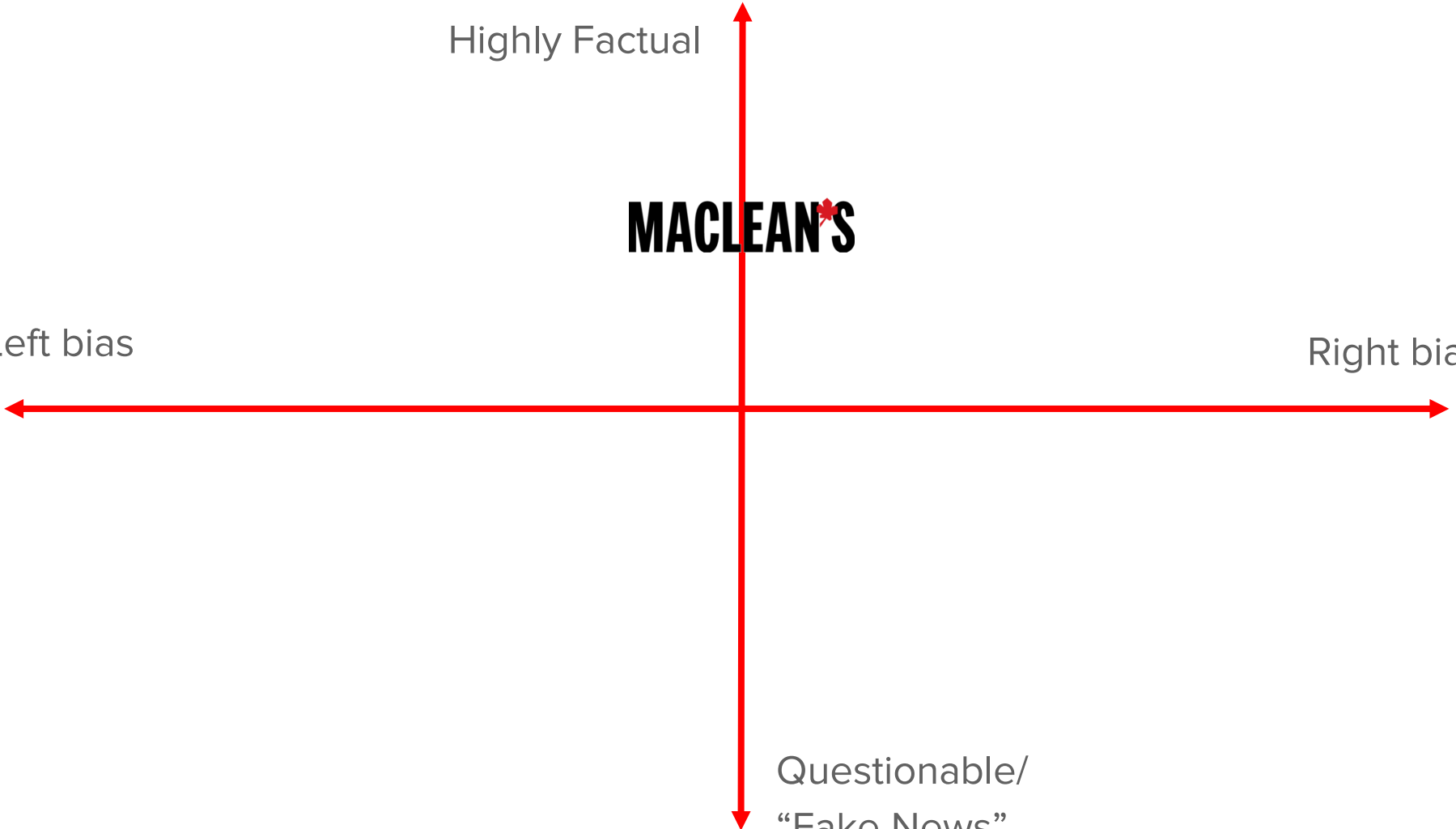
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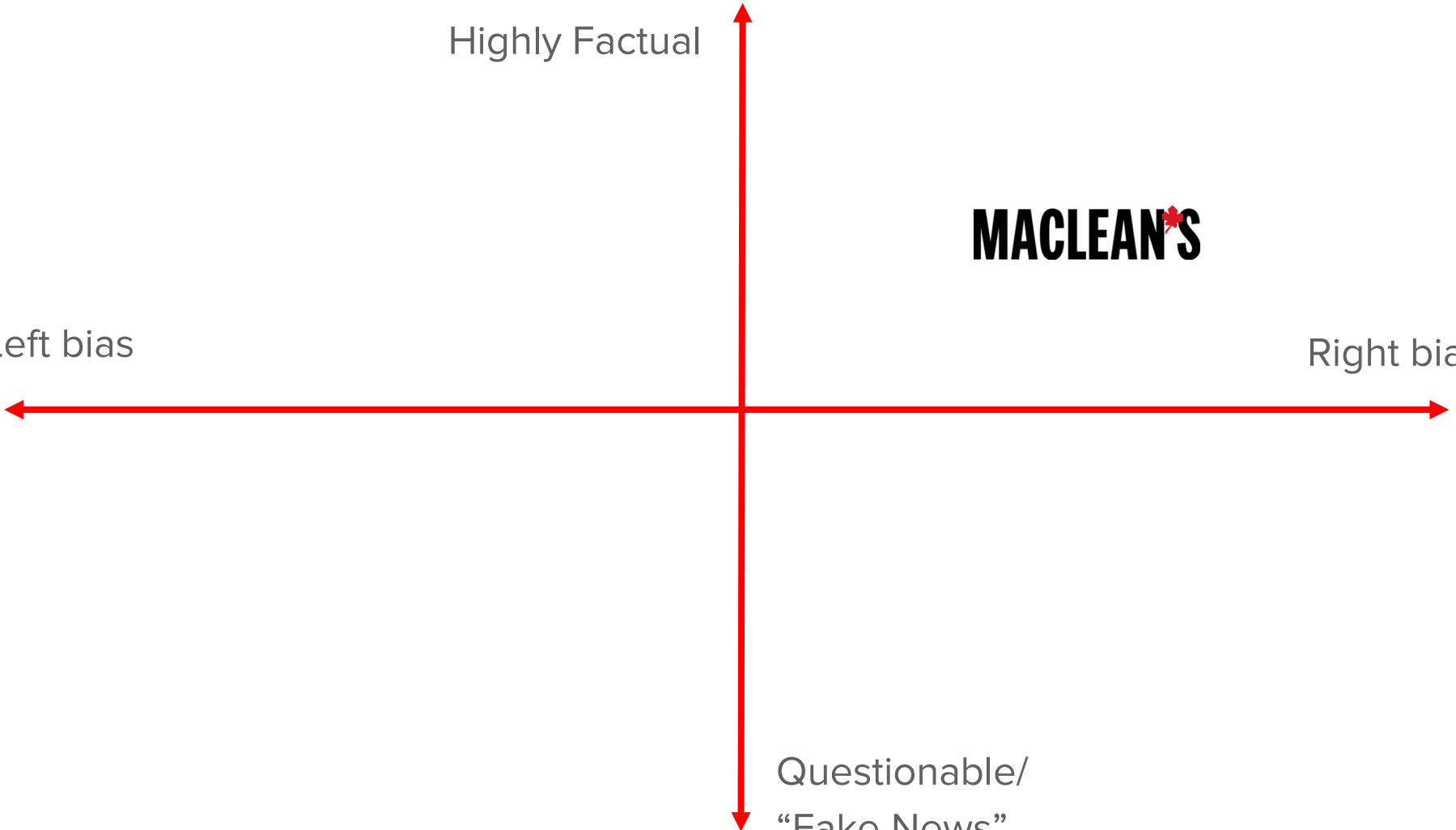
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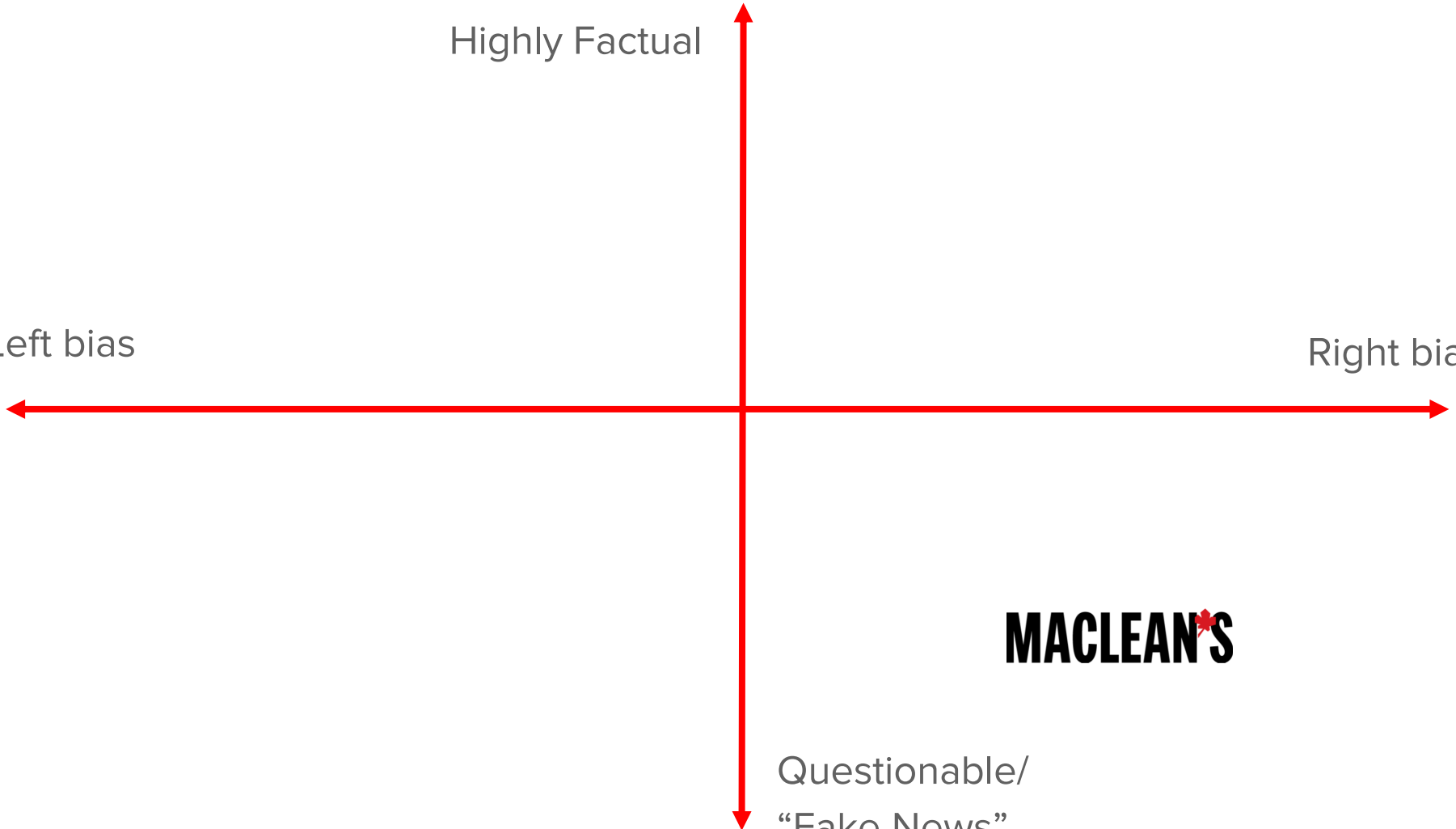
Highly Factual

Left bias

Right bias

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Questionable/  
"Fake News"



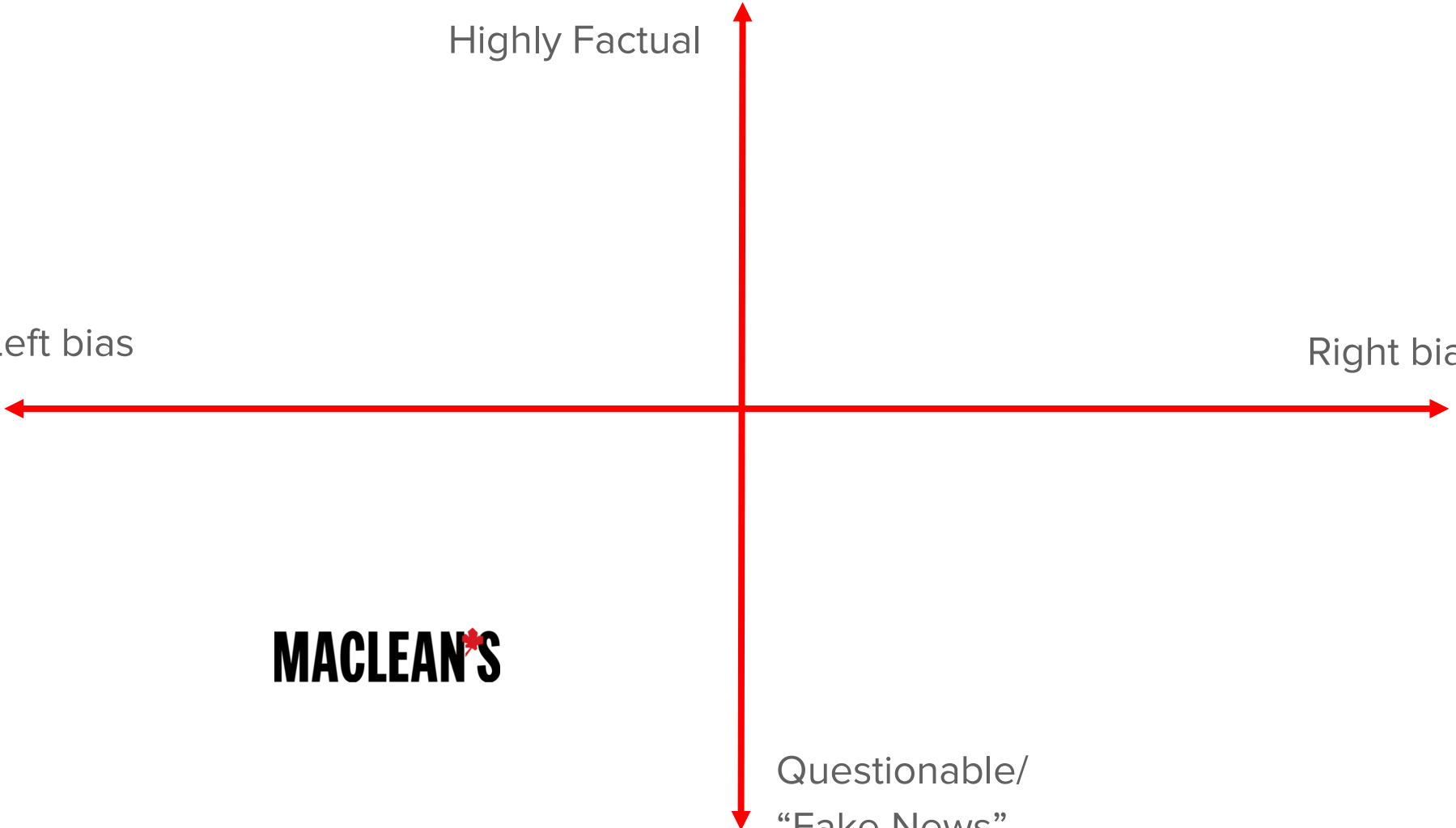
Highly Factual

Left bias

Right bias

**MACLEAN'S**

Questionable/  
"Fake News"



# MACLEAN'S



Left-Centre Bias / High Factual Reporting

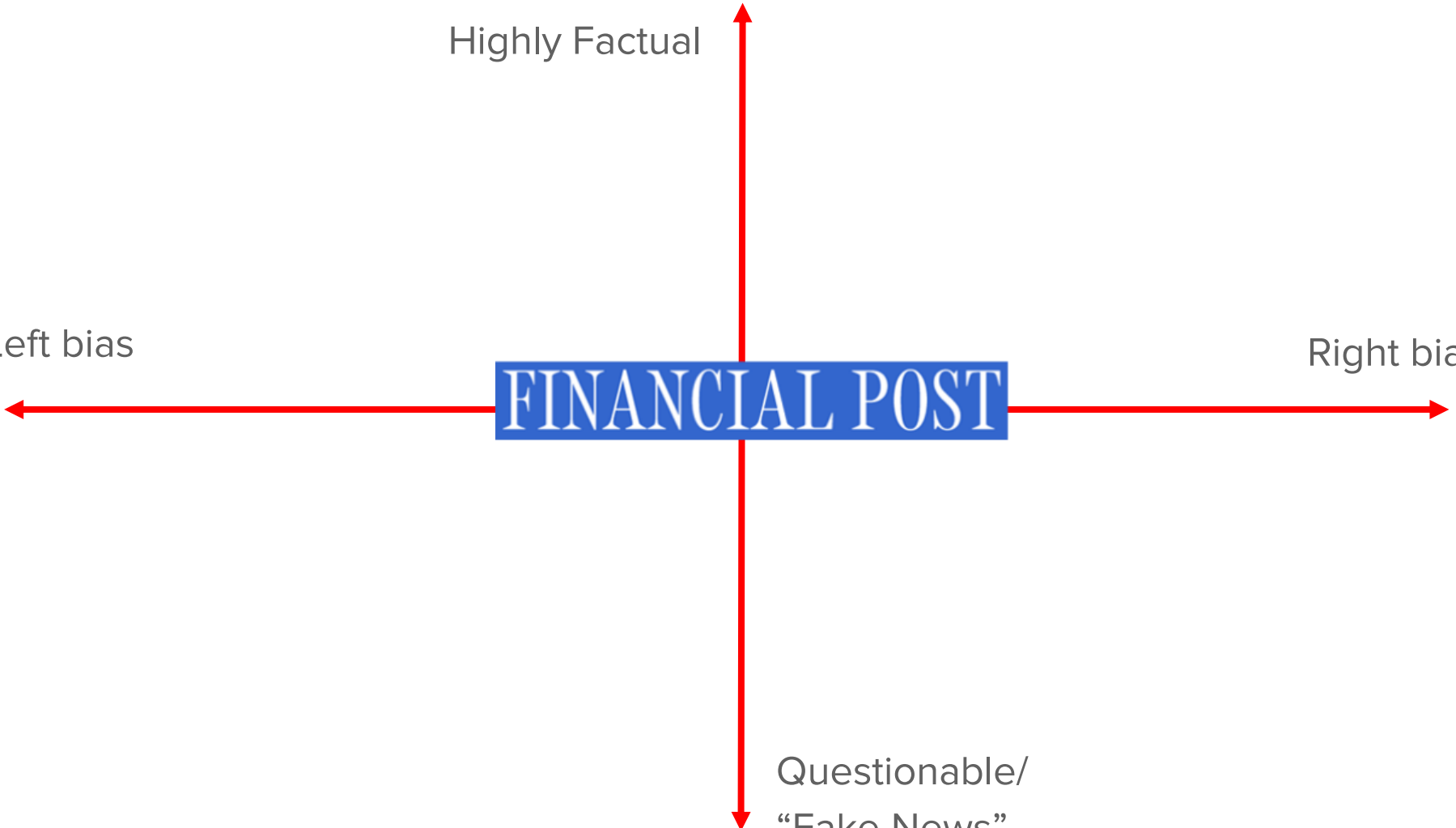
Highly Factual

Left bias

**FINANCIAL POST**

Right bias

Questionable/  
"Fake News"



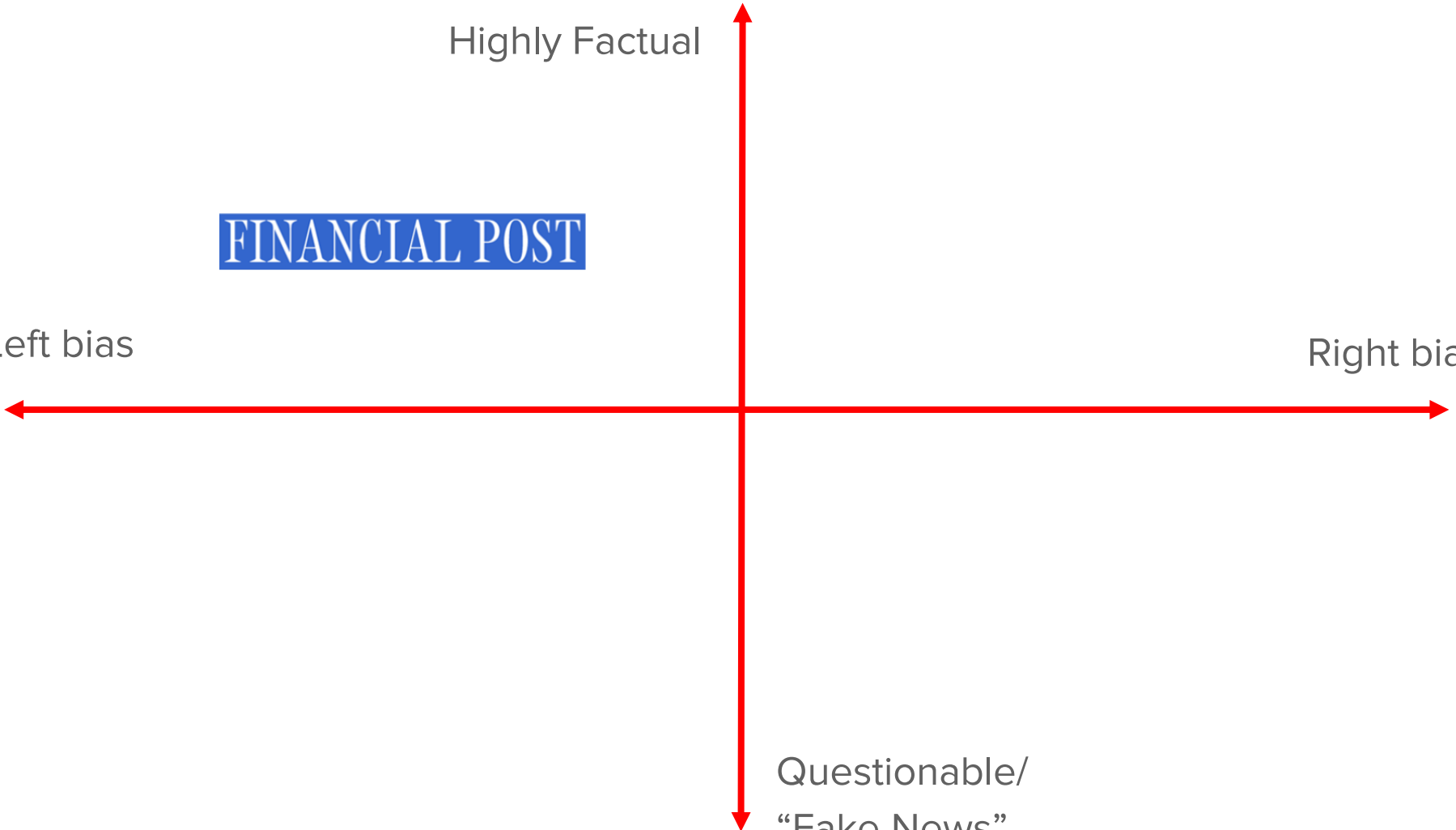
Highly Factual

**FINANCIAL POST**

Left bias

Right bias

Questionable/  
"Fake News"



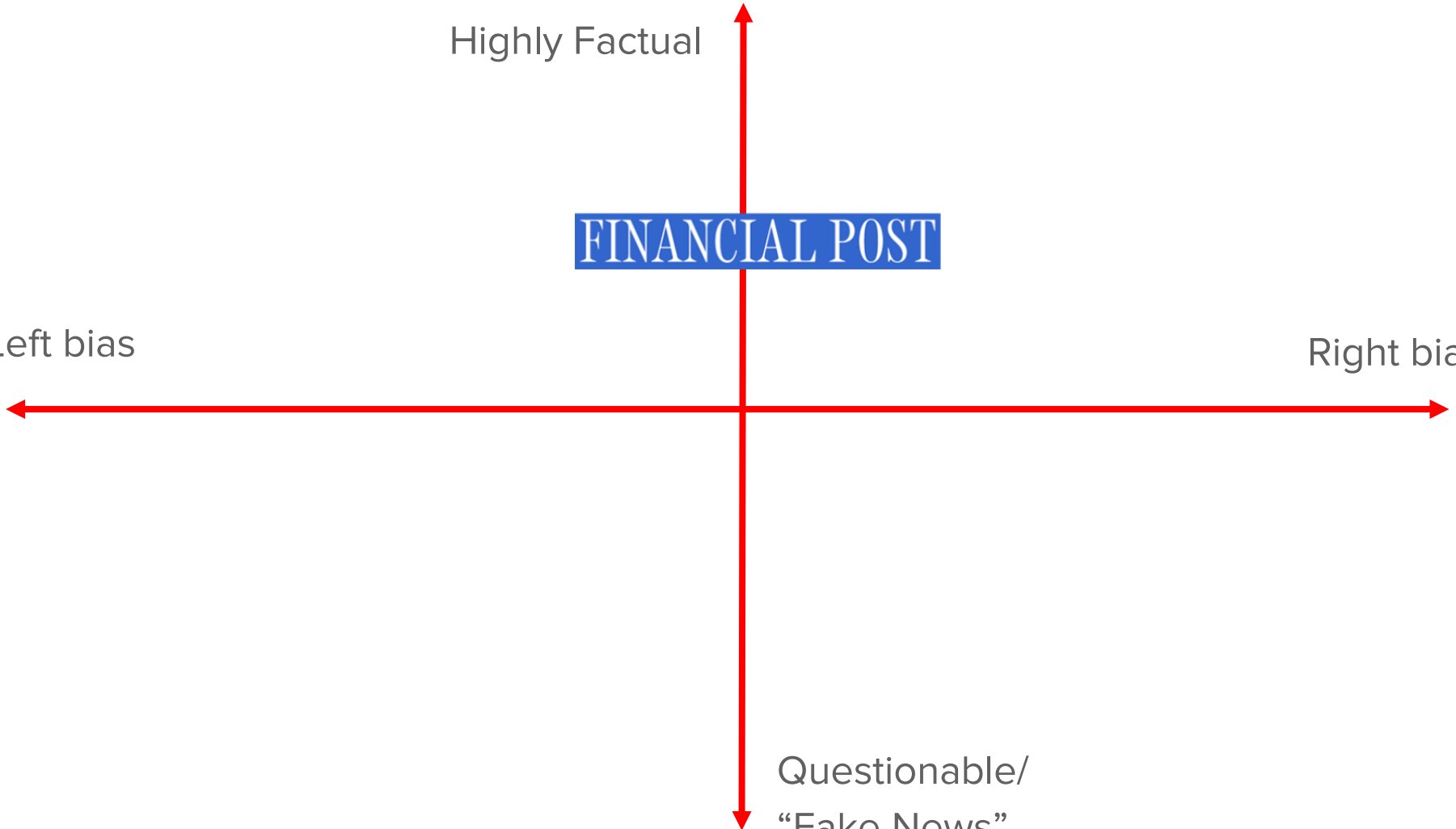
Highly Factual

**FINANCIAL POST**

Left bias

Right bias

Questionable/  
"Fake News"



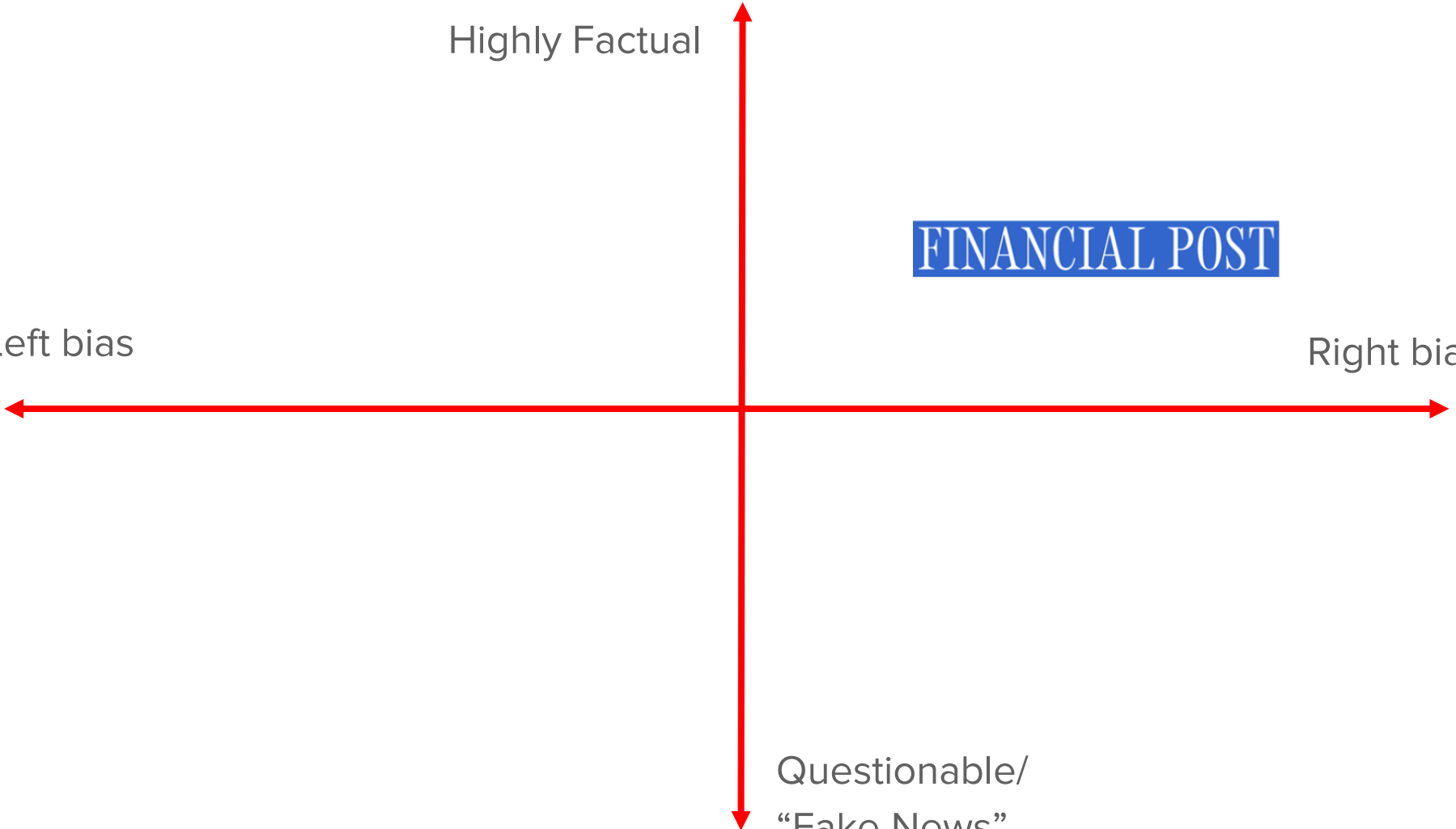
Highly Factual

**FINANCIAL POST**

Left bias

Right bias

Questionable/  
“Fake News”



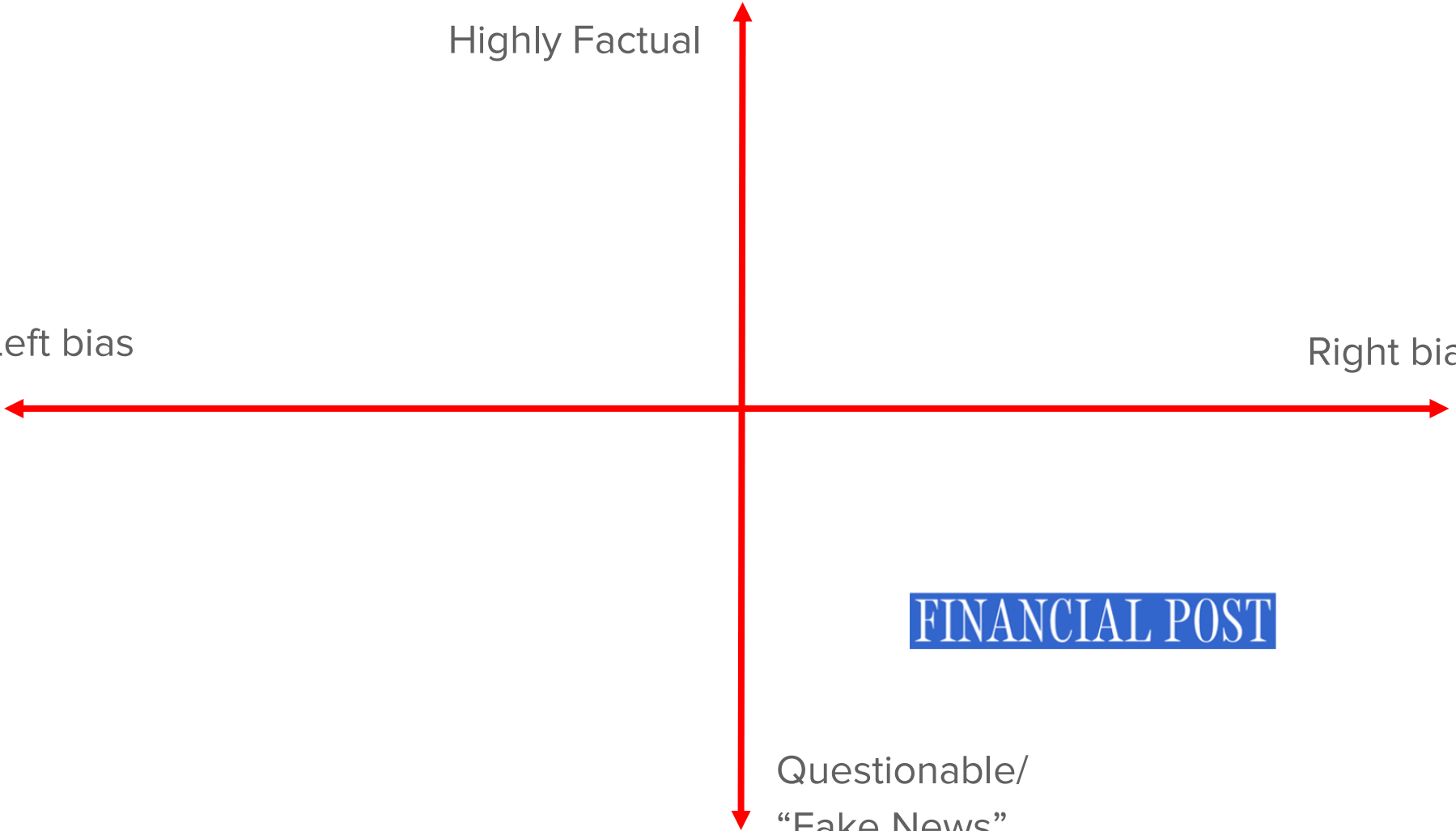
Highly Factual

Left bias

Right bias

**FINANCIAL POST**

Questionable/  
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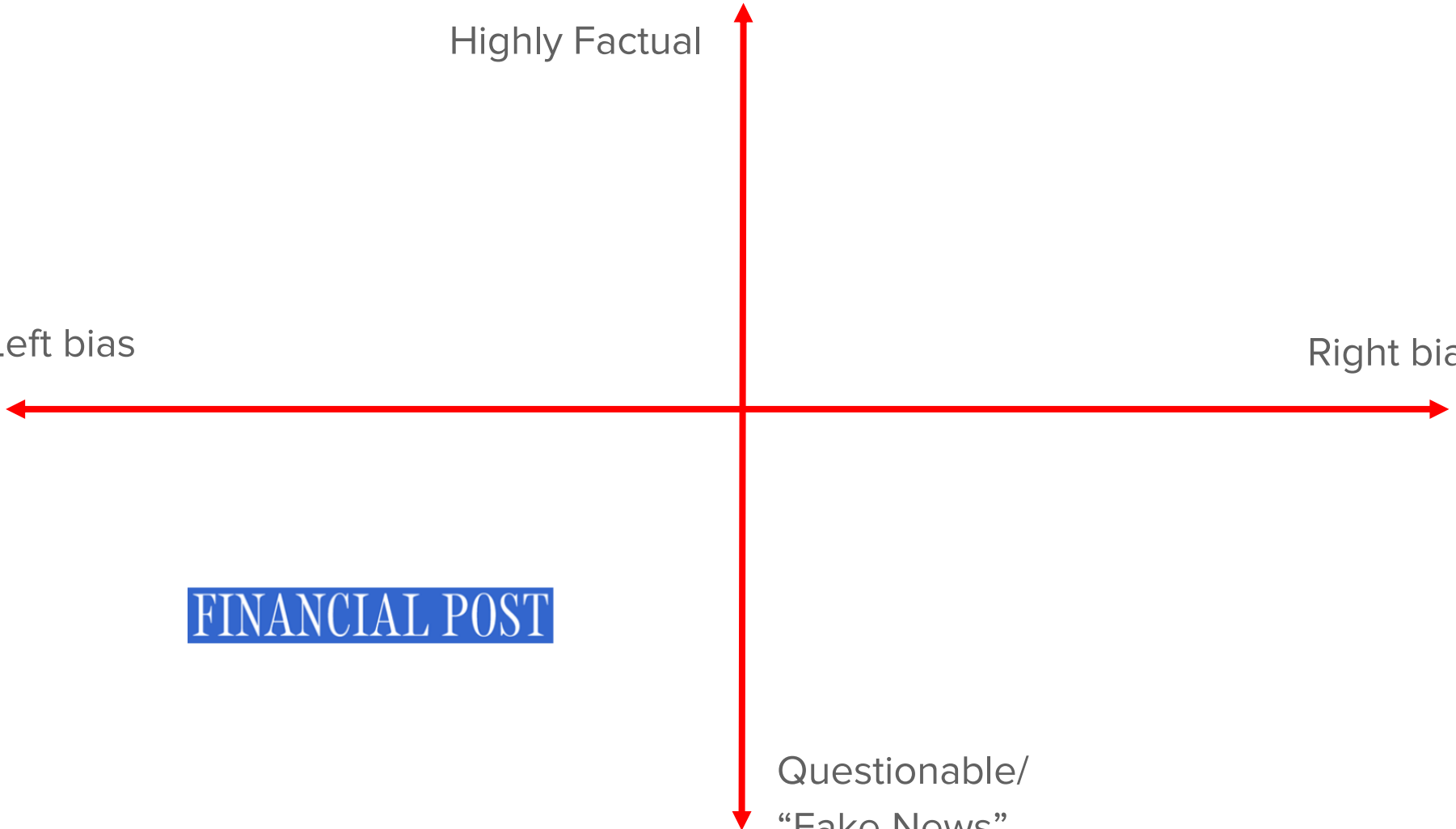
Highly Factual

Left bias

Right bias

**FINANCIAL POST**

Questionable/  
"Fake News"

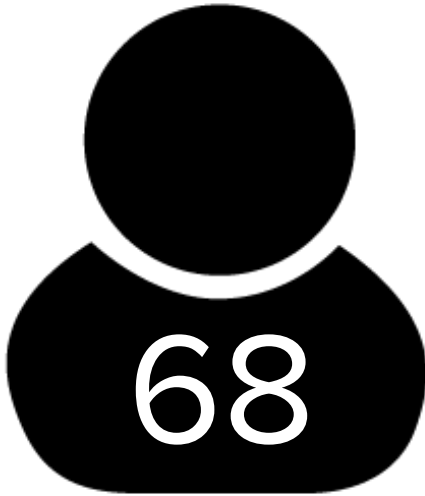


# FINANCIAL POST



**Right-Centre Bias / High Factual Reporting**

# How'd it go?



**Participants lacked confidence in evaluation.**

“It actually looks like a fun game!”

“This is really interesting!”

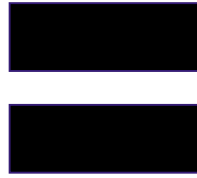
“Where did you find your information?”

“Do you work for the local news?”

“I’m bad at this kind of thing”

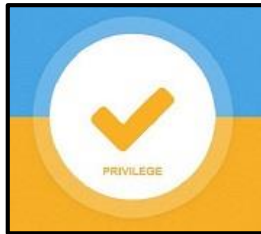
“Bias is foreign to me... it has something to do with politics, right?”

4



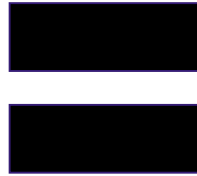
210

**one-on-one,  
teachable  
moments for  
digital literacy**



**210**

**one-on-one,  
teachable  
moments for  
digital literacy**



**52.5**

**unique  
interactions  
per hour**

<https://digitalliteracy.info/>

### Activity #1 – “You Shall Not Pass”: Improving Password Security

<b>Who</b>	A minimum of two people needed to staff the activity		
<b>When</b>	This is a good activity for “Cyber Security Awareness Week/Month”		
<b>Where</b>			
<b>Why</b>	<p>To get users thinking about their password security and/or determine if users are already thinking about this aspect of their digital life.</p> <p>To raise awareness about the implications of poor password security.</p> <p>Encourage responsible creation and use of information and critical thinking.</p>		
<b>Activity</b>	<b>Follow-up</b>	<b>Assessment</b>	<b>Logistics</b>
<p>Ask users, “How long do you think it would take a computer to crack your password?”</p> <p>Use a visual display/tally system (whiteboard) to record the amount of time it would take according to this website. Talk to users about what they think about those results. Engage in conversations about how to build stronger passwords.</p> <p>How secure is my password?  <a href="https://howsecureismypassword.net/">https://howsecureismypassword.net/</a></p> <p>If students have questions or concerns about their security based on the results from the first activity, we offer to show them another:  <a href="https://haveibeenpwned.com/">https://haveibeenpwned.com/</a></p>	<p>Send an email to everyone who provided an address. Include:</p> <p>Links to pages that include password tips and offer services of password managers.</p> <p>Link to the Online Privacy Guide:  <a href="http://guides.lib.uwo.ca/online_privacy">http://guides.lib.uwo.ca/online_privacy</a></p>	<ul style="list-style-type: none"> <li>• Number of participants</li> <li>• Record how long the game suggests it would take to crack each person’s password on a large whiteboard</li> <li>• Open-ended participant comments</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> A table</li> <li><input type="checkbox"/> Up to 4 chairs</li> <li><input type="checkbox"/> 2 iPads or laptops with internet connection</li> <li><input type="checkbox"/> Clipboard tally sheet to track number of participants and their comments</li> <li><input type="checkbox"/> An electronic document (on iPad or laptop) for the team to collect email addresses</li> <li><input type="checkbox"/> Swag and candy</li> <li><input type="checkbox"/> Whiteboard and markers</li> </ul>



“You Shall Not Pass - Improving Password Security.” by Madisson Goldhawk, Erin Johnson, and Lillian Rigling is licensed under a [Creative Commons Attribution-NonCommercial 4.0 International License](https://creativecommons.org/licenses/by-nc/4.0/).

## A few things to consider...

These activities are formatted to work well with teaching these specific digital literacy outcomes.

Pop-up format will not work with all content - Retrofitting an idea into this format may not work

Pop-ups work well with tactile issues



Questions?

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## Websites:

<https://mediabiasfactcheck.com/>

<https://applymagicsauce.com/>

## Images:

Chanel's Gabrielle Large Hobo Bag. Chanel. n.d. Web 2 Oct 2017 [http://www.chanel.com/en\\_CA/fashion/products/handbags/g/s.chanel-s-gabrielle-large-hobo.17K.A93825Y61477C0200.sto.gab.html](http://www.chanel.com/en_CA/fashion/products/handbags/g/s.chanel-s-gabrielle-large-hobo.17K.A93825Y61477C0200.sto.gab.html)

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Nozell, Marc. Privilege is... #WomensMarch #WomensMarch2018 #SenecaFalls #NY. Wikimedia Commons. 20 Jan 2018 Web 4 May 2018 [https://commons.wikimedia.org/wiki/File:Privilege\\_is...\\_WomensMarch\\_-\\_WomensMarch2018\\_-\\_SenecaFalls\\_-\\_NY\\_\(24937361387\).jpg](https://commons.wikimedia.org/wiki/File:Privilege_is..._WomensMarch_-_WomensMarch2018_-_SenecaFalls_-_NY_(24937361387).jpg)

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