

Supporting Information for Pwned: The Risk of Exposure From Data Breaches*

Gaurav Sood[†] Ken Cor[‡]

May 12, 2019

*Data and scripts behind the analysis presented here can be downloaded from <http://github.com/themains/pwned>.

[†]Gaurav can be reached at gsood07@gmail.com

[‡]Ken can be reached at: mcor@ualberta.ca

SI 1 Tables

The missing entries reflect cases where we do not have commensurate categories in our data. The largest differences we see are on race and ethnicity, a variable where our coding differs from CPS in meaningful ways.

Table SI 1.1: Comparison Between YouGov and CPS 2018

	cps	yg	diff
Age			
18 to 25	0.14	0.13	0.01
26 to 35	0.18	0.18	0.00
36 to 50	0.25	0.23	0.02
51 to 65	0.25	0.26	-0.01
66 to 80+	0.19	0.18	0.01
Sex			
Male	0.48	0.51	-0.03
Female	0.52	0.49	0.03
Race			
White alone	0.78	0.64	0.14
Black or African American alone	0.13	0.12	0.01
American Indian and Alaska Native alone	0.01	0.01	0.00
Asian alone	0.06		
Native Hawaiian and Other Pacific Islander alone	0.00		
Two or more races	0.02		
Educational Attainment			
No high school diploma	0.11	0.07	0.04
High school or equivalent	0.29	0.33	-0.04
Some college, less than 4-yr degree	0.28	0.31	-0.03
Bachelor's degree or higher	0.32	0.29	0.03

Table SI 1.2: Number of Breaches by Race/Ethnicity

	<i>Dependent variable:</i>
	Number of Breaches
Black	.04 (.12)
Hispanic/Latino	−.62*** (.10)
Asian	−.30 (.23)
Native American	−.16 (.36)
Middle Eastern	−.46** (.24)
Mixed Race	−.67** (.29)
Other	−.20 (.73)
Constant	3.12*** (.05)
Observations	5,000
R ²	.01
Adjusted R ²	.01
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01

Table SI 1.3: Number of Breaches by Sex

	<i>Dependent variable:</i>
	Number of Breaches
Male	−.35*** (.07)
Constant	3.17*** (.05)
Observations	5,000
R ²	.004
Adjusted R ²	.004
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01

Table SI 1.4: Number of Breaches by Education

	<i>Dependent variable:</i>
	Number of Breaches
HS Grad.	.54*** (.16)
Some College	.69*** (.16)
2-year College Degree	.72*** (.18)
4-year College Degree	.87*** (.17)
Postgrad Degree	.85*** (.18)
Constant	2.35*** (.14)
Observations	5,000
R ²	.01
Adjusted R ²	.01
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01

Table SI 1.5: Number of Breaches by Age

	<i>Dependent variable:</i>
	Number of Breaches
ns(age, 2)1	2.23*** (.20)
ns(age, 2)2	−.90*** (.21)
Constant	2.01*** (.09)
Observations	5,000
R ²	.03
Adjusted R ²	.03
<i>Note:</i> *p<0.1; **p<0.05; ***p<0.01	

SI 2 Figures

Figure SI 2.1: Relationship Between Race and Number of Breaches

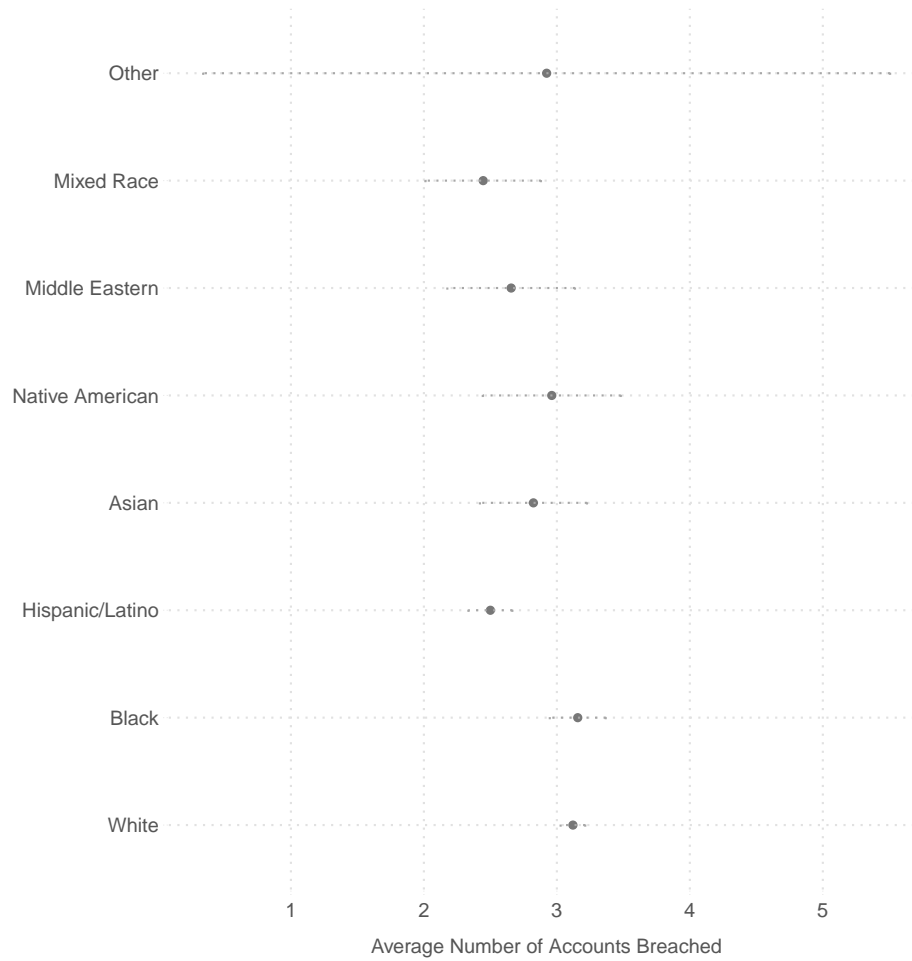


Figure SI 2.2: Relationship Between Sex and Number of Breaches

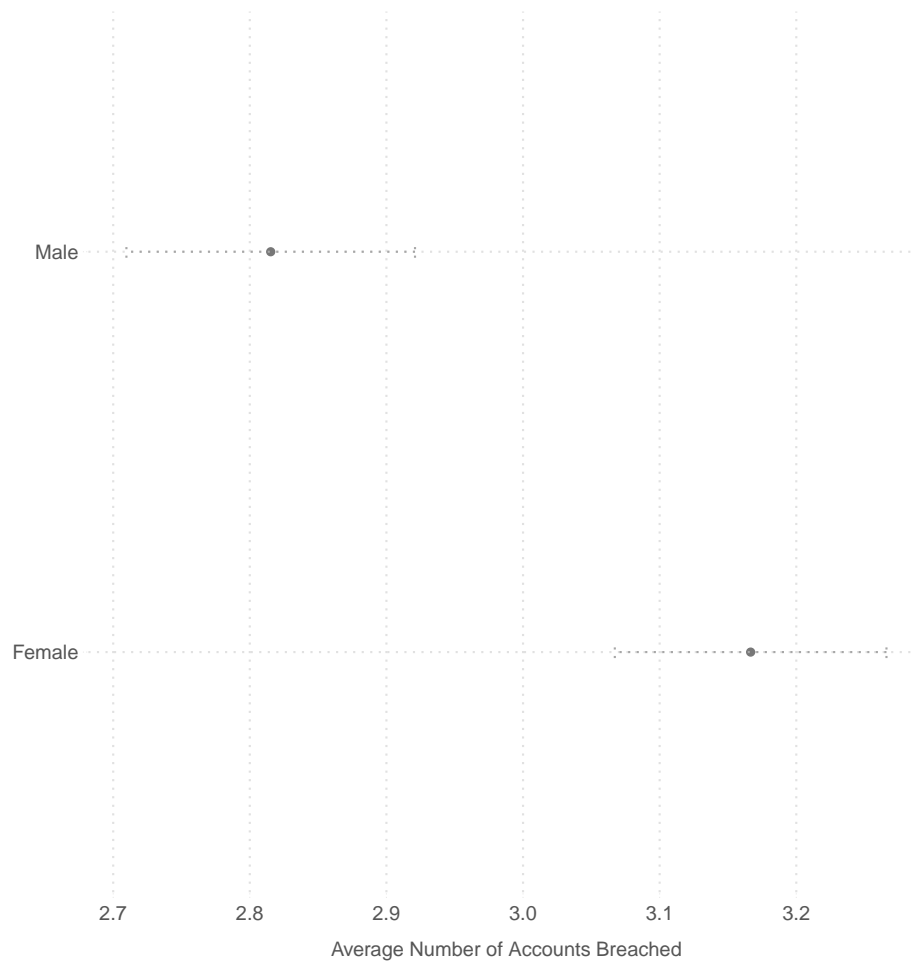


Figure SI 2.3: Relationship Between Education and Number of Breaches

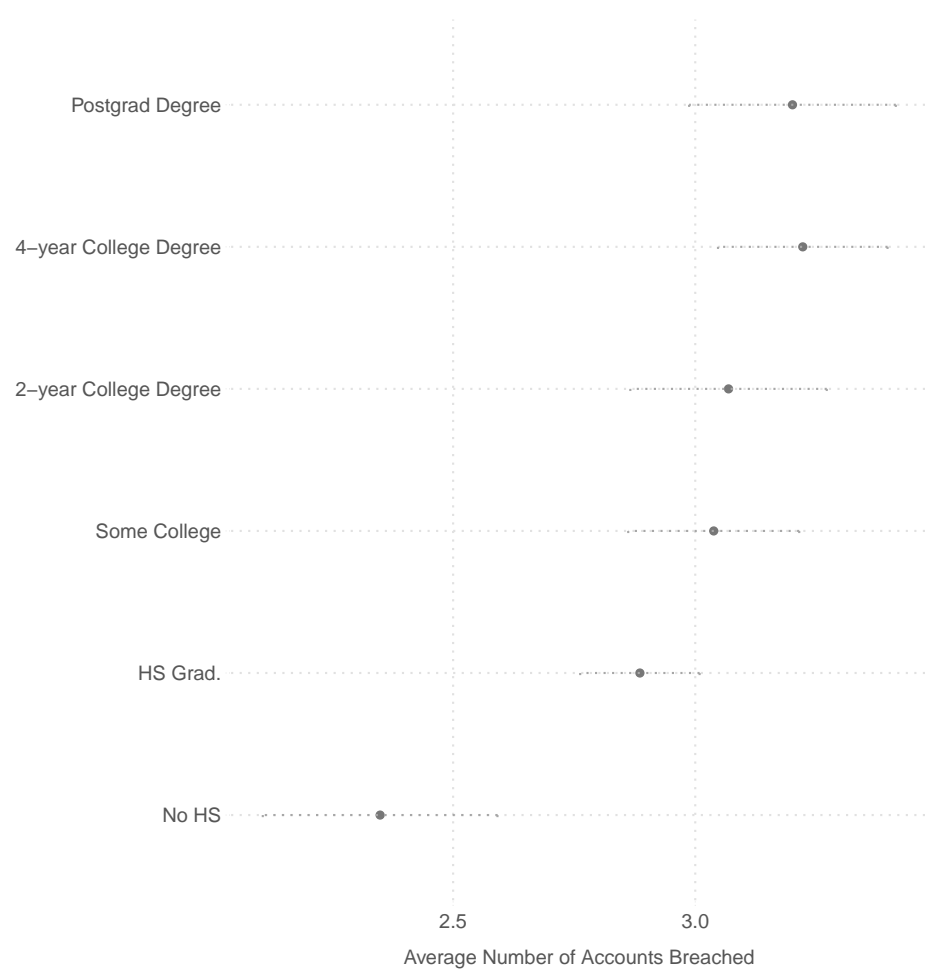


Figure SI 2.4: Relationship Between Age and Number of Breaches

