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What Disasters Do Social Scientists Study? Social Science Extreme Events Research (SSEER) Network

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Number of Researchers for Top 10 Most Frequently Studied Disasters

Attacks, 2001

Earthquake and

East Japar Tsunami, 2004 Earthquake and Tsunami, 2011

2017

Background

Demographic Controls

status and expertise of the social science hazards and disaster research workforce. We examined the relationship between the and disasters under study, and explored SSEER members' self-selected level of involvement in the field. These analyses use the 2020 Vintage

1,000 unique disaster events, we analyze the top 10 most frequently studied events.

Researcher Involvement Levels

- Core Researcher: Strongly self-identifies as in hazards and disaster research for a sustained amount of time. Situational Researcher: Not previously
- phenomena based on a situational event For example, a researcher who undertoo study after his or her community was
- Periodic Researcher: Is not primarily but focuses on related topics from time to time during his/her professional career. Emerging Researcher: Includes students and others who are new to the field and

Researcher Region



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300

250 200

150

100

50

2005

2017

Variable	Code	Demographic Characteristic		
iender				
				5.20%
				100.00%
lace/Ethnicit				
				58.62%
				15.28%
		Black / African American		
		Two or More Racial/Ethnic Identities		
		Some Other Provided Racial/Ethnic Identity b		
		Missing ^c		9.67%
				100.00%
ducational A	ttainme	nt		
		Doctoral degree		62.85%
		. Master's degree		26.42%
		Bachelor's degree		6.67%
		Associate degree		
		Missing or Other ^d		2.93%
		Total	1,230	100.00%
lotes				
Includes: nonbi	nary/quee	r, preter not to answer, preter to self-describe, and missing responses		
includes: Ameri	can moian	or Alaska Native/Native Nawalian Pacific Islander or Arab/Arab America	any Middle Eastern	
includes those v	who select	ed prefer to sen-describe out did not offer a description.		

Researcher Involvement



Hurricane Katrina, Hurricane Harvey, Hurricane Maria, Hurricane Sandy, Hurricane Irma, 9/11 Terroris

2012

Institute of Behavioral Science

2017

Predicting Number of Disaster Events Studied

Regression Model Notes	Source SS Model 390 Residual 544 Total 935	df 5.5922 1: 8.4514 1,08 4.0436 1,10	MS 8 216.9773 2 5.0355 0 8.5037	Number of F(18, 1082) Prob > F R-squared Adj R-squar Root MSE	obs = = = red = =	1,101 43.09 0.0000 0.4175 0.4078 2.244			
	Coefficient	Std. Err.	t p-va	lue ^{95%}	Confid Interval	ence			
Gender (Control: Male)									
Female *	-0.332	0.142	-2.34 ().019					
Some other answer	-1.197	0.721	-1.66 (0.097		0.218			
Race/Ethnicity (Control: White)									
Asian / Asian American *	-0.475	0.213	-2.23 (0.026	-0.893	-0.057			
Hispanic / Latino	-0.010	0.251	-0.04 (0.969	-0.503	0.483			
Black / African American	0.000	0.314	0.00 1	L.000	-0.617	0.617			
Two or More Racial/Ethnic Identities	0.650	0.493	1.32 ().187	-0.317	1.616			
Some Other Provided Racial/Ethnic Identity	0.727		1.23 ().219	-0.433	1.887			
Educational Attainment (Control: PhD)									
Master's degree	0.006	0.174	0.03 ().973	-0.335	0.347			
Bachelor's degree	0.567	0.295	1.92 (0.055	-0.013	1.147			
Associate degree *	1.981	0.614	3.23 (0.001	0.777	3.186			
Region (Control: Americas)	0.100	0.000	0.40		0.640	0 400			
Europe	-0.106	0.262	-0.40 (000	-0.619	0.408			
Asid · Oceania *	1.509	0.517	4.70 (0.000	0.007	2.150			
Africa	-0.520	0.554	-1 0/ 0	1 300 · ·	-1 660	0.513			
And			1.04 (1.000				
Level of Involvement (Control: Core)									
Emerging Researcher *	-1.831	0.196	-9.34 (0.000	-2.216	-1.446			
Periodic Researcher *	-1.306	0.179	-7.30 (0.000	-1.657				
Situational Researcher *		0.272	-7.48 (0.000	-2.569	-1.501			
N Frequently Studied Events *	1.399	0.067	21.03 (0.000	1.268	1.529			
Constant	2.876	0.164	17.57 (0.000	2.555	3.197			

Discussion

Controlling for demographics, SSEER members almost three (2.88) disaster events on average; all other levels of involvement studied significantly fewer disaster events (p<.05).

positive and significant effect on the number of total disaster events studied.

Future Directions

experiential backgrounds (for example, comparing academics with government researchers) or dive more deeply into specific kinds of disasters (like

BP Deep Water Horizon Oil Spill,

2010



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