

## Supplemental Appendix: “Who’ll Stop the Rain?”

Question wording for assessing prior disaster experience and rating government performance, 2016 survey of Louisiana residents.

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*Following the Louisiana floods in 2016, how would you rate the performance of FEMA, the Federal Emergency Management Agency, on a scale from 0 to 100 – zero being a poor job and 100 being an excellent job? (0-100, don’t know, refused)*

*Using the same scale, how would you rate the performance of the Louisiana state government following the Louisiana floods in 2016? (0-100, don’t know, refused)*

*Did you or anyone in your household apply for any financial or monetary assistance from the federal government, including FEMA, following the Louisiana floods of 2016? (Yes, no, don’t know, refused)*

*What about after previous natural disasters, such as Hurricane Katrina in 2005? Did you or anyone in your household apply for any financial or monetary assistance from the federal government then?*

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*Note.* Due to an error in the text, this table and the following table were both listed as Table A1. This table is unlabeled, since it does not contain results of additional tests.

Table A1. Comparison of weighted samples to actual proportions from 2015 American Community Survey.

	Louisiana			Baton Rouge metro area		
	2015 ACS	no weights	state weights	2015 ACS	no weights	BR metro weights
Male	0.482	0.447	0.464	0.484	0.506	0.473
Female	0.518	0.553	0.536	0.516	0.494	0.527
18-24	0.134	0.089	0.120	0.124	0.124	0.162
25-34	0.187	0.126	0.170	0.147	0.140	0.187
35-44	0.162	0.132	0.162	0.126	0.155	0.171
45-54	0.177	0.178	0.180	0.127	0.194	0.172
55-64	0.165	0.194	0.168	0.116	0.160	0.146
65+	0.175	0.282	0.200	0.097	0.228	0.162
White	0.634	0.662	0.640	0.611	0.629	0.604
Black	0.324	0.241	0.295	0.340	0.250	0.333
Other	0.042	0.097	0.065	0.049	0.120	0.064
Less than \$10,000	0.103	0.072	0.087	0.085	0.066	0.068
\$10,000 to \$14,999	0.069	0.055	0.059	0.055	0.049	0.049
\$15,000 to \$24,999	0.127	0.116	0.111	0.102	0.122	0.098
\$25,000 to \$34,999	0.109	0.105	0.110	0.096	0.105	0.110
\$35,000 to \$49,999	0.132	0.121	0.133	0.129	0.084	0.119
\$50,000 to \$74,999	0.162	0.176	0.176	0.169	0.174	0.164
\$75,000 to \$99,999	0.109	0.129	0.120	0.127	0.122	0.137
\$100,000 to \$149,999	0.114	0.130	0.121	0.144	0.153	0.159
\$150,000 to \$199,999	0.039	0.052	0.044	0.051	0.070	0.053
\$200,000 or more	0.035	0.043	0.039	0.042	0.056	0.043
Less than 9th grade	0.058	0.017	0.018	0.036	0.014	0.017
9th to 12th grade, no diploma	0.108	0.058	0.083	0.083	0.063	0.088
High school graduate (includes equivalency)	0.339	0.220	0.324	0.306	0.199	0.307
Some college, no degree	0.214	0.253	0.206	0.223	0.293	0.222
Associate's degree	0.055	0.100	0.100	0.056	0.077	0.063
Bachelor's degree	0.148	0.201	0.165	0.197	0.185	0.157
Graduate or professional degree	0.077	0.144	0.104	0.100	0.171	0.146

Table A2. Additive model (without interaction).

	Louisiana sample, statewide weights		Baton Rouge metro sample, metro weights	
	(1) FEMA approval (0-100)	(2) State gov't approval (0-100)	(3) FEMA approval (0-100)	(4) State gov't approval (0-100)
Applied for 2016 flood aid	-11.256*** (3.847)	-11.838*** (3.808)	-2.734 (4.990)	-15.572*** (4.924)
Applied for Katrina aid	-0.826 (3.253)	0.995 (2.804)	4.844 (5.658)	2.738 (5.869)
Black	2.854 (3.939)	1.543 (3.635)	5.442 (6.603)	-0.597 (6.287)
Social and online media use index	-1.519 (5.400)	2.262 (4.872)	-19.910** (7.771)	-10.373 (8.244)
Print and TV media use index	-0.199 (6.448)	8.068 (5.914)	-3.407 (10.115)	15.321 (10.813)
Education (H.S. or less omitted)				
Some college	-3.771 (3.462)	-1.019 (3.185)	14.231** (5.730)	7.030 (5.627)
B.A. or above	0.784 (3.703)	4.327 (3.240)	17.682*** (6.384)	12.076* (6.464)
Family income (\$0 - \$25k omitted)				
\$25k – \$50k	-2.004 (4.257)	-2.118 (3.903)	0.648 (7.284)	1.192 (7.676)
\$50k – \$100k	2.324 (4.457)	4.100 (4.095)	6.365 (8.199)	3.425 (8.092)
\$100k +	-4.675 (4.957)	-1.419 (4.329)	-1.464 (8.435)	1.538 (8.131)
Rents home	6.017 (3.731)	3.206 (3.432)	2.796 (7.070)	0.578 (7.243)
Female	0.925 (2.937)	5.146** (2.540)	-4.641 (4.536)	1.330 (4.619)
Democrat	3.719 (3.520)	3.913 (3.165)	-2.040 (5.705)	-0.237 (6.053)
Constant	54.183*** (5.688)	52.818*** (5.220)	39.333*** (9.201)	50.085*** (9.458)
Observations	690	744	255	260
R-squared	0.046	0.061	0.096	0.114

Note. Standard errors in parentheses. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1.

Table A3. Approval of the state and federal government response to the 2016 Baton Rouge floods, by 2016 flood status and history of seeking federal disaster aid.

	Louisiana sample, statewide weights		Baton Rouge metro sample, metro weights	
	(1) FEMA approval	(2) State gov't approval	(3) FEMA approval	(4) State gov't approval
Flooded (2016)	-9.608** (4.328)	-6.518 (4.049)	1.198 (5.584)	-8.230 (5.615)
Applied for Katrina aid	0.287 (3.624)	3.564 (3.011)	16.991** (7.411)	12.178 (7.596)
Flooded (2016) X Applied for Katrina aid	-6.971 (8.029)	-15.111** (7.384)	-28.834*** (9.820)	-27.437** (10.854)
White	8.083 (5.548)	12.798*** (4.955)	4.144 (8.090)	6.371 (6.901)
Black	9.948 (6.114)	13.931** (5.458)	7.564 (9.371)	3.941 (8.261)
Social & online media use index	-2.111 (5.417)	2.922 (4.817)	-22.818*** (7.473)	-12.288 (8.192)
Print & TV media use index	-0.718 (6.447)	10.053* (5.930)	-4.428 (9.608)	15.712 (10.548)
Education (H.S. or less omitted)				
Some college	-3.710 (3.522)	-1.654 (3.200)	14.749*** (5.407)	7.242 (5.548)
B.A. or above	1.255 (3.772)	4.977 (3.313)	20.233*** (6.140)	13.849** (6.267)
Family income (\$0 - \$25k omitted)				
\$25k – \$50k	-2.054 (4.264)	-2.165 (3.850)	-2.305 (6.840)	-0.129 (7.305)
\$50k – \$100k	2.221 (4.482)	4.169 (4.078)	3.114 (7.569)	2.598 (7.254)
\$100k +	-4.455 (5.002)	-0.867 (4.355)	-5.284 (7.841)	-1.365 (7.612)
Rents home	6.643* (3.754)	5.345 (3.401)	3.251 (6.590)	1.881 (6.951)
Female	0.597 (2.953)	4.292* (2.510)	-3.841 (4.296)	1.125 (4.374)
Democrat	4.392 (3.580)	3.506 (3.112)	-2.278 (5.406)	-0.569 (5.574)
Constant	46.478	38.715	37.645	43.643
Observations	690	745	255	261
R-squared	0.053	0.081	0.134	0.147

Note. Standard errors in parentheses. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1.