

Adaptive Capacity for Resilience Codebook

Social Resilience

Variable and Description	Label	Source
Education <i>Percent of the population with a Bachelor or higher</i>	ed	American Communities Survey 2010 5 Year http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
Nonelderly population <i>Percent nonelderly population (elderly= 65 and over)</i>	age	U.S. Census 2009 Population Estimates, USA Counties Database http://censtats.census.gov/usa/usa.shtml
Transportation access <i>Percent of households with a vehicle</i>	transp	American Communities Survey 2011 5 Year http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
Communication capacity <i>Percent housing units with a telephone</i>	comm	American Communities Survey 2011 5 Year http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
Language competency <i>Percent of population over 5yrs old who speak English "very well"</i>	lang	Language spoken at home ACS 3 yr 2010 http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_10_3YR_S1601&prodType=table
Nonspecial needs population <i>Percent population without a physical disability</i>	spec	Census 2000 SF3 http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
Health insured population <i>Percent population with health insurance (under 65 years)</i>	hth_cov	U.S. Census Small Area Health Insurance Estimates 2007, via USA Counties http://censtats.census.gov/cgi-bin/usac/usacomp.pl

Community Capital

Variable and Description	Label	Source
Place attachment <i>Net international migration per 1,000 population</i>	migrat	American Communities Survey 2009 3 Year http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
Place attachment <i>Percent population born in state that still resides in that state</i>	born	American Communities Survey 2010 5 Year estimates http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_10_5YR_B05002&prodType=table
Political engagement <i>Percent voter turnout in 2008 presidential election</i>	voter	Secretary of State/Department of State for Each State 2008 http://elections.sos.state.tx.us ; http://www.sos.louisiana.gov ; http://www.sos.ms.gov ; http://www.sos.alabama.gov/elections ; https://doe.dos.state.fl.us
Religious social capital <i>Religious adherents per 1,000</i>	relig	Association of Statisticians of American Religious Bodies (ASARB) 2010, TOTRATE http://www.thearda.com/Archive/Files/Downloads/RCMSCY10_DL2.asp
Civic social capital <i>Civic organizations per 10,000</i>	civorg	County Business Patterns 2009 Code 8134 http://www.census.gov/econ/cbp/index.html
Advocacy social capital <i>Social advocacy organizations per 10,000</i>	sociorg	County Business Patterns 2009 Code 8133 http://www.census.gov/econ/cbp/index.html

Economic Resilience		
Variable and Description	Label	Source
Housing capital <i>Percent owner occupied housing</i>	house	Census 2010 SF1 http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
Employment <i>100 - Percent pop unemployed</i>	employ	American Communities Survey 2010 5 Year http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
Income inequality <i>Gini Index by county (1=0.461 to 0.645; 2=0.439 to 0.460; 3=0.422 to 0.438; 4=0.402 to 0.421; 5=0.207 to 0.401)</i>	GINI	US Census, 2006-2010 American Community Survey http://www.census.gov/prod/2012pubs/acsbr10-18.pdf
Economic diversity <i>Percent of pop not employed in farming, fishing, forestry, or extraction</i>	single	NAICS 2012 http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
Female labor force <i>Percent of labor force (16 years old and over) that is female</i>	fem_lab	American Community Survey 2010 5 Year http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
Business robustness <i>Ratio of large to small businesses employees</i>	bus	SUSB 2009 County totals http://www.census.gov/econ/susb/
Health care access <i>Total physicians per 10,000</i>	hth_acc	American Medical Association, 2009 via USA Counties Database http://censtats.census.gov/cgi-bin/usac/usacomp.pl
Institutional Resilience		
Variable and Description	Label	Source
Mitigation plan-covered population <i>Percent population with multi-hazard mitigation plan</i>	plan	FEMA Mitigation Plan Status (April 2012) http://www.fema.gov/multi-hazard-mitigation-plan-status
Spending on first responder services <i>Percent local government expenditures for health and hospitals, fire and police</i>	serv	US Census 2002, USA Counties http://censtats.census.gov/usa/usa.shtml
CRS-covered population <i>Percent population in Community Rating System Communities/Counties</i>	crs	FEMA's CRS Eligible Communities (2012) http://www.fema.gov/library/viewRecord.do?id=3629
Political fragmentation <i>Number of municipalities, school districts, and special districts</i>	polfrag	US Census, 2007 Governments Integrated Directory http://harvester.census.gov/gid/gid_07/options.html
Disaster experience <i>Number of Presidential disaster declarations, 2002-2011</i>	declar	FEMA Historical Disaster Declarations http://gis.fema.gov/DataFeeds.html
Citizen Corps-covered population <i>Percent pop covered by county Citizen Corps council</i>	citcorps	Citizen Corps (November 2012) https://www.citizen corps.gov/cc/CouncilMapIndex.do
Storm Ready-covered population <i>Percent population in Storm Ready counties or communities</i>	steady	NOAA's Strom Ready Communities http://www.stormready.noaa.gov/communities.htm

Infrastructure Resilience		
Variable and Description	Label	Source
Nonvulnerable housing <i>Percent of housing not mobile homes</i>	mobile	American Communities Survey 2010 5 Year http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
Rental shelter capacity <i>Percent vacant rental units</i>	vac	Census 2010 SF1 http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
Hospital capacity <i>Number of hospital beds per 10,000</i>	bed	County and City Data Book: 2007 (Actual data from 2004) https://www.census.gov/statab/ccdb/ccdbstcounty.html
Evacuation/access capacity <i>Primary and secondary road miles per square mile</i>	roads	Census 2010 Tiger/Line Shapefiles http://www.census.gov/cgi-bin/geo/shapefiles2010/main
Nonvulnerable housing <i>Percent housing units built 1970-94</i>	house_age	American Communities Survey 2010 5 Year http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
Hotel shelter capacity <i>Number of hotels/motels per square mile (excludes casino hotels)</i>	hotels	County Business Patterns 2009 http://www.census.gov/econ/cbp/index.html
School shelter capacity <i>Number of public schools per square mile</i>	school	HAZUS Data aggregated by county/ FEMA Hazus 2.0 2011 http://www.fema.gov/hazus-software
Ecological Resilience		
Variable and Description	Label	Source
Impervious surfaces <i>Percent impervious surface in square miles of land area</i>	imperv	National Land Cover Database 2006 Percent Developed Imperviousness http://www.mrlc.gov/nlcd06_data.php
Wetland preservation <i>Net change (1997 to 2006) in percent wetland area between 1996 to 2006</i>	wet	NOAA CSC Coastal Change Analysis Program (C-CAP) Land Cover Atlas http://stateofthecoast.noaa.gov/wetlands/welcome.html
Floodplain housing development <i>Number of severe repetitive loss properties (0=0; 1=1 to 20; 2=21 to 30; 3=31 to 40; 4=41 and over)</i>	srl	Number of Severe Repetitive Loss Properties per County (FEMA 2007) http://www.fema.gov/library/viewRecord.do?id=2711

Citation:

Ross, Ashley. *Local Disaster Resilience: Administrative and Political Perspectives*. New York: Routledge, 2014.