

LSU Post-Katrina Research

on Disaster Recovery & Community Resilience

(Supported by the National Science Foundation)

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Data Basis:

- ca. 6,000 interviews in main Household Survey
- ca. 10,000 total interviews, all surveys
- ca. 100 interviews with Neighborhood Association Leaders
- Ethnographic research with over 200 groups
- 40 Filmed interviews with ca. fifty more planned

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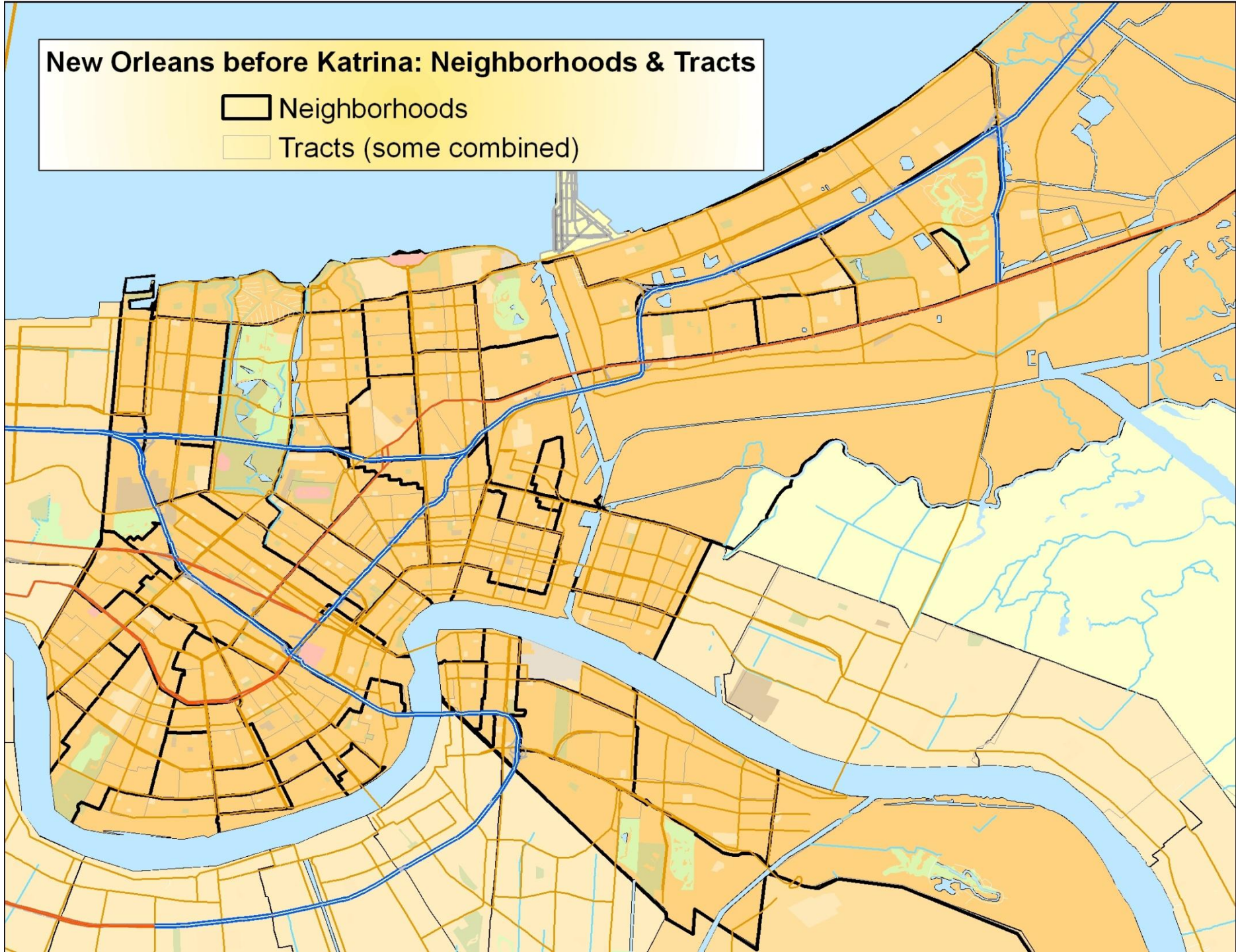
Maps of Flooding & Damage

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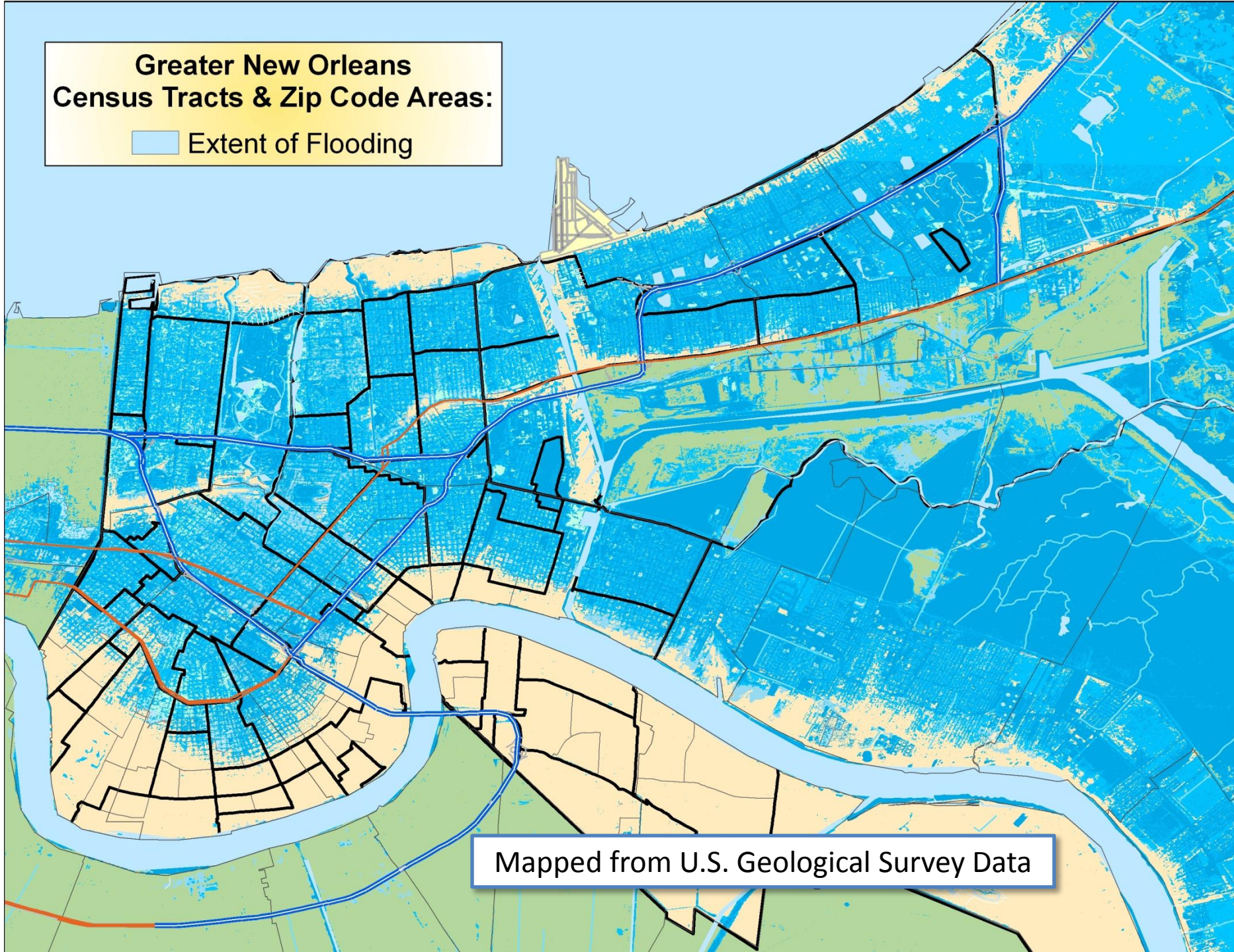
New Orleans before Katrina: Neighborhoods & Tracts

- Neighborhoods
- Tracts (some combined)




**Greater New Orleans
Census Tracts & Zip Code Areas:**

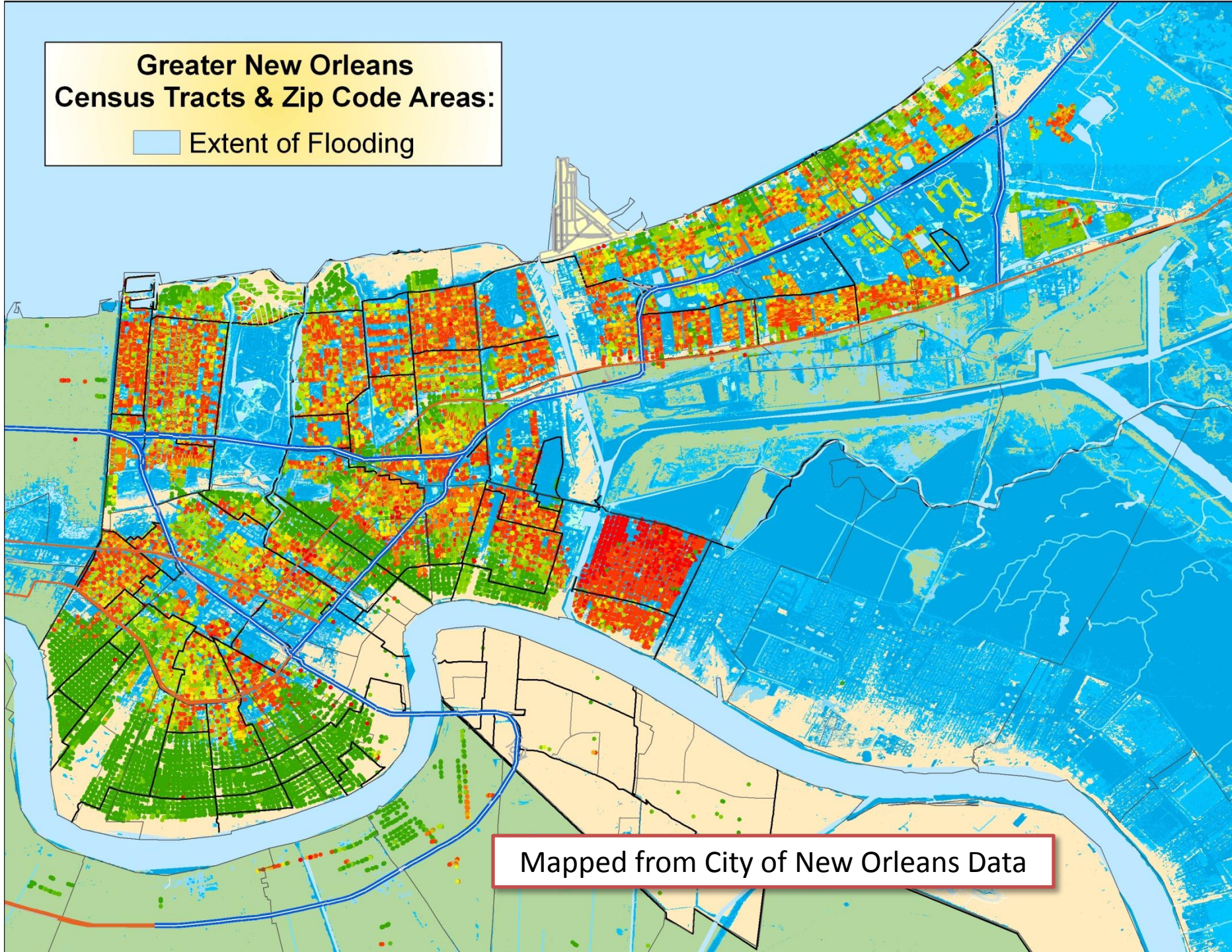
 Extent of Flooding



Mapped from U.S. Geological Survey Data

**Greater New Orleans
Census Tracts & Zip Code Areas:**

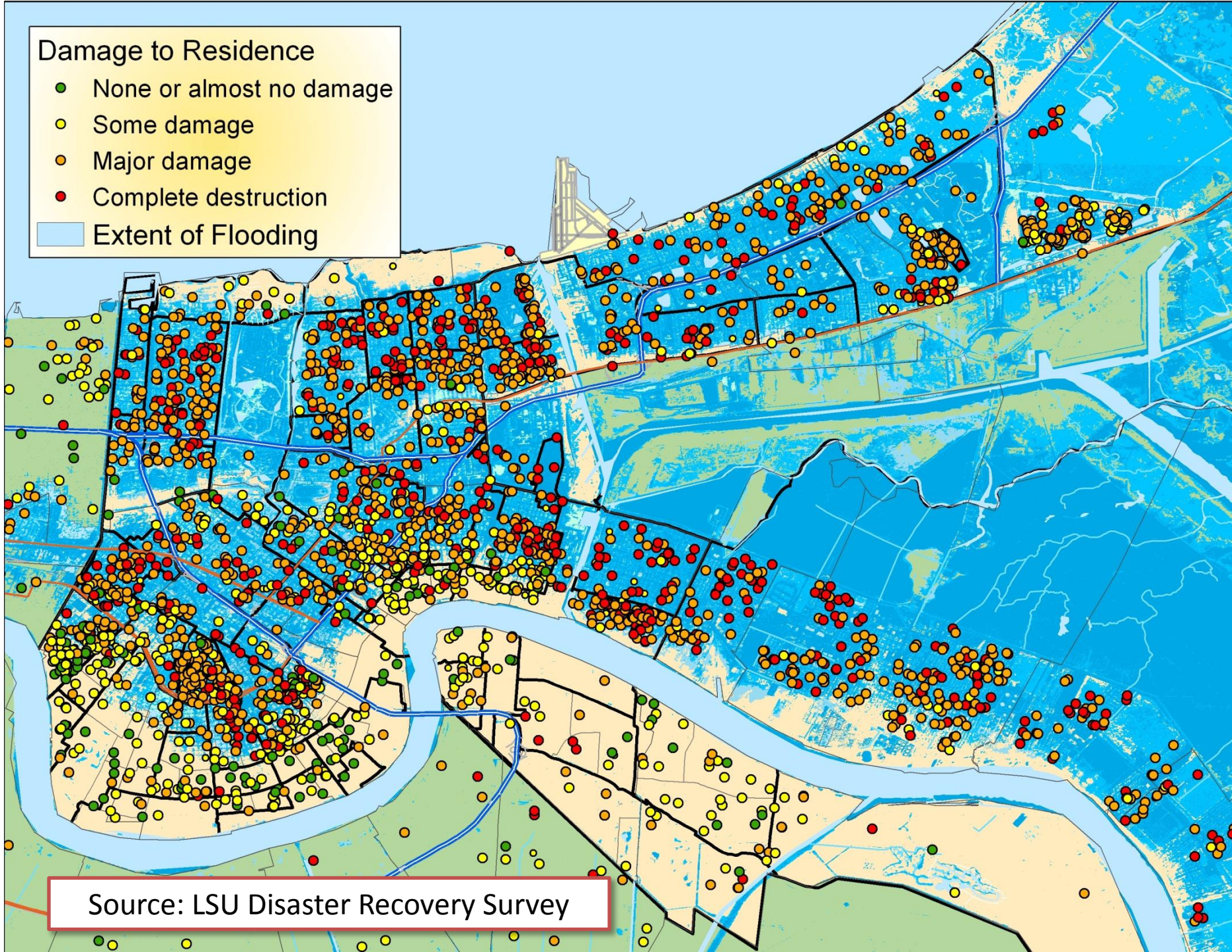
 Extent of Flooding



Mapped from City of New Orleans Data

Damage to Residence

- None or almost no damage
- Some damage
- Major damage
- Complete destruction
- Extent of Flooding



Source: LSU Disaster Recovery Survey

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Data Collection Challenges

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We have Partnered with lots of Organizations in Conducting Surveys (some listed)

7th Ward Neighborhood Center	DeSaix Area Neighborhood Association	LouisianaRebuilds.info	RALLY Foundation
Acorn, Baton Rouge	Desire Area Residents Council	Lower 9th Ward NBH Empowerment Network Assn	Rand
Acorn, New Orleans	Episcopal Diocese of Louisiana	Lutheran Disaster Response	Red Cross, New Orleans
American Red Cross	Faith Temple Church of God The Holy Ghost	Mary Queen of Vietnam Catholic Church & CDC	Red Cross, St. Bernard Parish
Backbeat Foundation, Inc	Family Road of GBR	Mater Dolorosa Church	Renaissance Village Council
Bard College	FEMA	McKendall Estates Homeowners Assoc.	Roots of Music
Bayou Interfaith Shared Community Organizing	First Baptist Church of Houma	Miracle Faith Healing and Deliverance Temple	Save the Children USA
Beacon of Hope Resource Center	Freret Neighborhood Center	Mount Nebo Bible Baptist Church	Second Gretaer Mount Sinai MBC
Broadmoor Development Corporation	Gentilly Civic Improvement Association	Mt. Ararat Missionary Baptist Church	Shir Chadash Synagogue
Broadmoor Improvement Association	Gert Town Enterprise Econ Redevelopment	Neighborhoods Partnership Network	Spring Lake Neighborhood Association
Campus-Community Partnerships, Tulane	Gert Town Revival Initiative	Neighbors United Association	St. Dominic Catholic Church
Capital Area Human Services District	GNOCDC - GNO Community Data Center	New Orleans Bible Fellowship B.C.	St. Gabriel the Archangel in New Orleans
Catholic Archdiocese of New Orleans	GNO Fair Housing Action Center Housing	N.O. Social Aid and Pleasure Club Task Force	St. Louis King of France Catholic Church
Catholic Charities	Hands On Baton Rouge	New Orleans Times-Picayune	St. Maria Goretti Catholic Church
Catholic Community Services	Hands On New Orleans	New Orleans United Way	St. Paul AME Church
Central Carrollton Association	Harmony Outreach Services	NOLA YURP Initiative	St. Peter Claver Catholic Church
Central City Partnership	Hollygrove Neighbors	NOLACPP, Citizen Participation Project	Sugar Hill FEMA Trailer Park
Central City Renaissance Alliance	Holy Cross Neighborhood Association	Nonprofit Central	Sweet Home New Orleans
Chabad Lubavitch of Louisiana - Metairie	Institute of Southern Jewish Life	Northshore Jewish Congregation	Temple Sinai
Chabad Lubavitch of Louisiana - Uptown	Jeremiah Group	Operation Brother's Keeper [Red Cross]	Touro Synagogue
Christian Unity Baptist Church	Jericho Road	Operation Nehemiah	Terrebonne Readiness Assistance Coalition
Churches Supporting Churches	Jewish Family Service	Our Lady of Prompt Succor Church	Trinity Christian Community
City-Works	Jewish Federation of Greater New Orleans	Oxfam America	United Jewish Communities
Claiborne-University Neighborhood Assn	Jewish Women's Archive	Plymouth Rock Baptist Church	United Methodist Hope Ministries
Community Center of St. Bernard	Katrina Aid Today	PNOLA: The Phoenix of N.O. (Tulane/Gravier)	United Way for the Greater New Orleans Area
Concordia LLC	Kids with Cameras	Policy Link	Urban Conservancy + Stay Local!
Congregation Anshe Sphard	Lakeview Civic Improvement Association	Pontilly Neighborhood Association	Ursuline Academy
Congregation Beth Israel	Louisiana Association of Nonprofit Orgs	PRC Compassion	WWOZ
Congregation Gates of Prayer	Louisiana Delta Service Corps [Americorps]	Providence Community Housing	Hurricane Response, Renaissance Village
Corinthian Missionary Baptist Church	Louisiana Family Recovery Corps	Puentes	Young Men Olympians Social Aid & Pleasure Club

Images of Data Collection: Interviewing Door-to-Door In Historic Tremé and the Seventh Ward



Images of Data Collection: Pontchartrain Park & Gentilly Woods (Pontilly)



We worked with the Pontilly Neighborhood Association, who brought in 40 law student volunteers from around the country. We went door-to-door with them, doing the survey, and shared the results with the community.

Images of Data Collection: Young Men Olympians Social Aid & Pleasure Club (Central City)

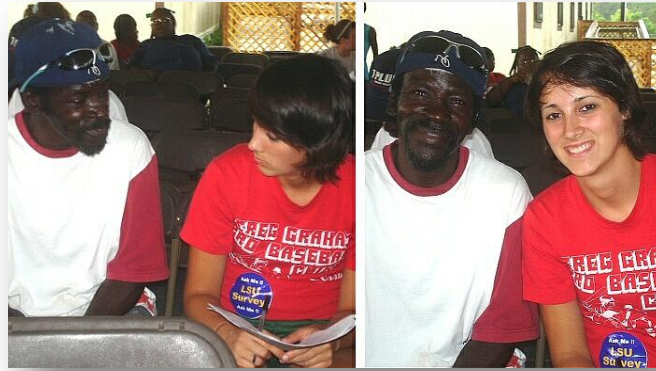


We worked with the Young Men Olympians, the oldest Social Aid & Pleasure Club, celebrating its 125th anniversary, and student volunteers from New Orleans colleges. We shared a meal & danced to the Free Agents Brass Band.

Images of Data Collection: Interviewing with the Vietnamese-language Questionnaire at a Respondent's Home in Village De l'Est



Images of Data Collection: Renaissance Village, FEMA Trailer Park



We worked with the resident leaders of Renaissance Village, served a Jambalaya dinner, brought in a New Orleans brass band ... and conducted the survey with the help of 30 resident volunteers.

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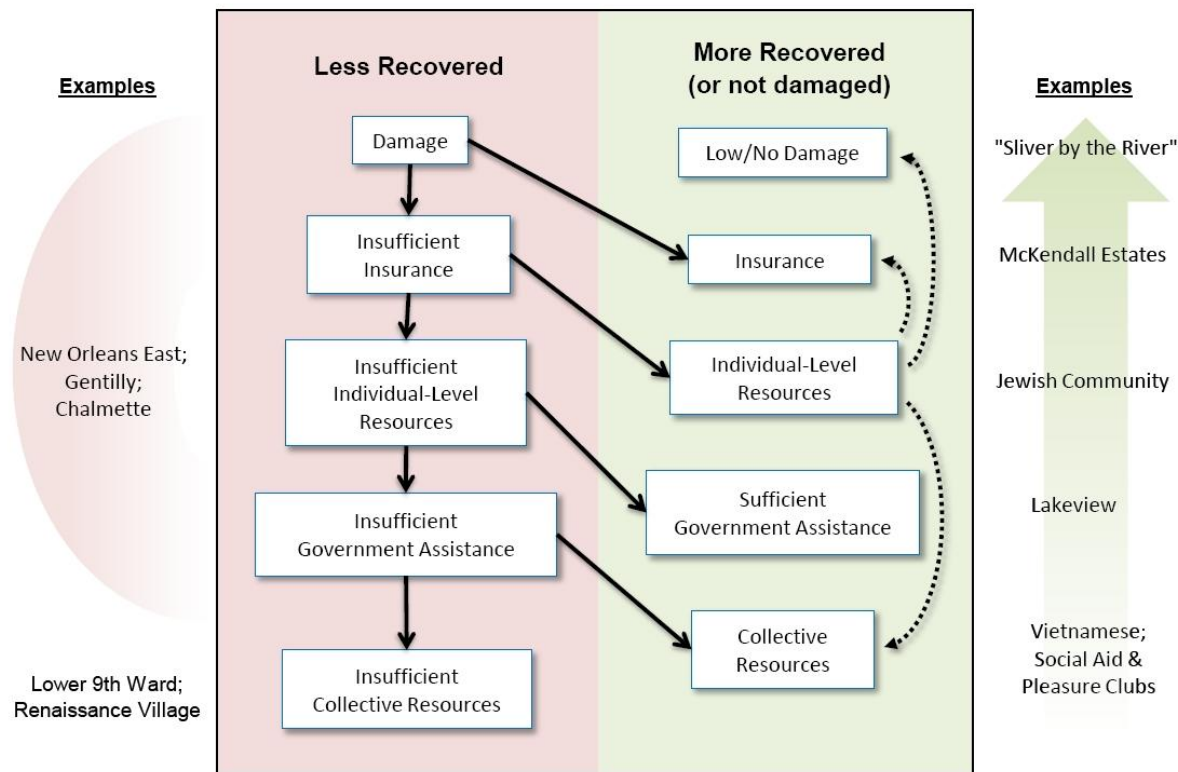
Hypotheses About Recovery: Individual and Collective Resources

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Storm Damage, Resources, and Recovery: Individual & Collective Paths to Hurricane Recovery

Damage, Resources, and Recovery
Sequence and Effects of Different Types of Resources



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Individual-Level Data Analyses

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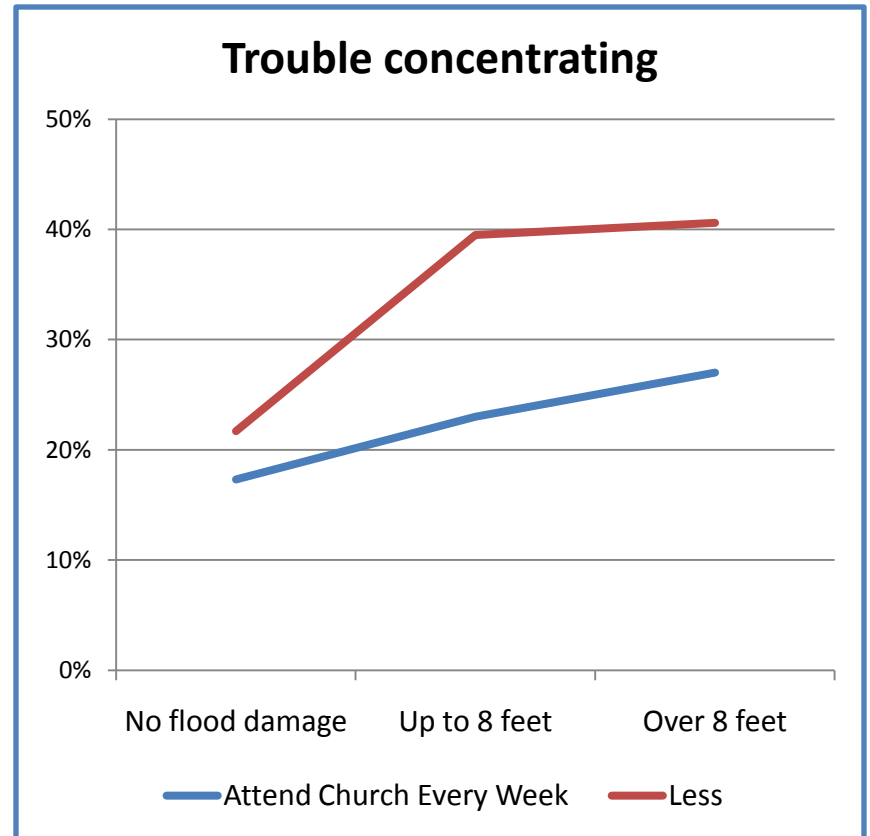
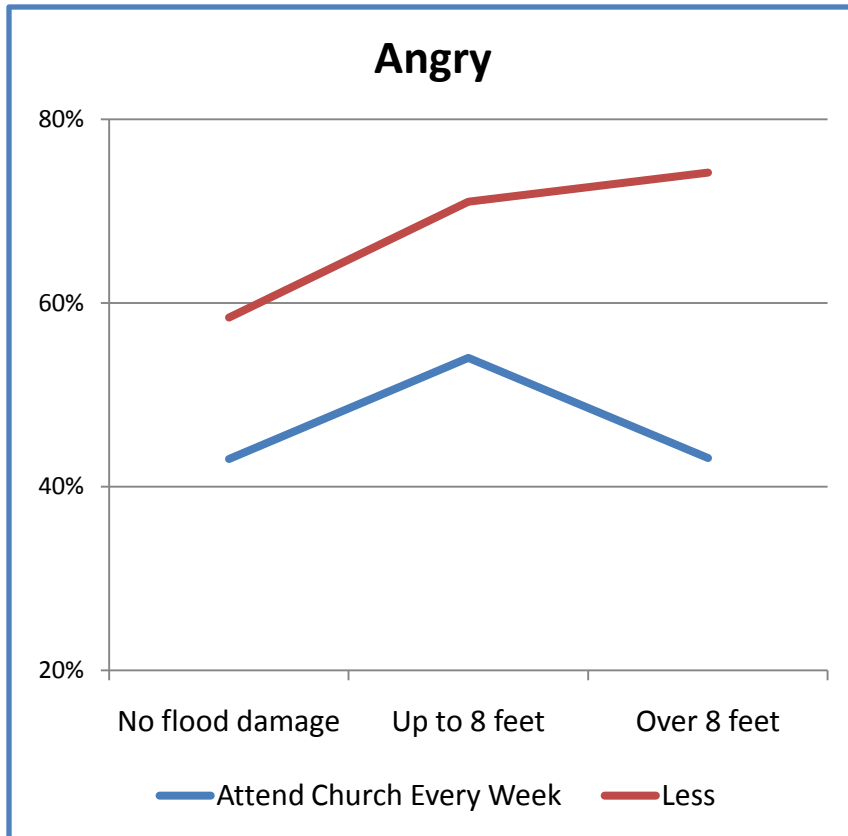
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Individual Level Regressions:

Social Capital, Higher Social Status, Low Damage, & Resources Promote Recovery and reduce Negative Outcomes.

	Stay or Leave N.O.	Personal Recovery	Stress	Depressed, Anxious	Hopeful	Social Solidarity	Social Conflict	State of Health	Spiritual Theology	Punitive Theology
Demographic										
Age	.07**	.01	.01	.03	-.01	.04*	-.08**	-.09**	-.01	-.06**
Female	.03+	.00	.13**	.12**	.02	.02	-.04*	.00	.08**	-.04*
Education	.02	-.01	-.02	.10**	.06**	.00	-.05*	.16**	-.08**	-.12**
Estimated Income	.02	.13**	-.07**	-.02	-.04+	-.04*	.00	.17**	-.05*	.00
Unemployed	-.07**	-.09**	.09**	.07**	-.02	-.02	.04*	-.03	-.02	.03
Married w Children	.04+	.03	.00	.01	.01	.03+	-.03	.01	.01	-.03
Black	.04+	-.10**	-.13**	-.16**	.06**	.05**	-.06**	-.06*	.21**	-.06**
Time since Katrina	.10**	.08**	-.05*	-.05*	-.01	.03+	.09**	.01	-.01	-.03
Damage & Resources										
Damage to Residence	-.10**	-.38**	.16**	.13**	.03	.00	.00	-.04	-.02	.05**
Damage to Business	-.07**	-.08**	.03+	.06**	.00	.00	-.01	-.04+	-.01	.08**
Have Resources for Repair	.07**	.22**	-.12**	-.08**	.06**	.03	-.05**	.13**	-.01	-.06**
Social Capital										
Associational Involvement	.06*	.01	-.09**	-.07*	.01	.06*	.05+	.05	.13**	.01
Civic Leadership	.01	-.02	.14**	.10**	.04	.06*	.08**	-.03	-.04	.06*
Informal Socializing	-.01	.04*	-.05**	-.04+	.01	.08**	.02	.20**	.04*	-.06**
Social Trust	.13**	.02	-.16**	-.15**	.14**	.19**	-.07**	-.02	.03+	-.12**
Faith-Based Social Capital										
Church service attendance	-.02	.00	-.08**	-.11**	-.03+	.00	-.02	-.02	.24**	-.09**
Spiritual Theology	.05*	-.01	.08**	.09**	.20**	.38**	.11**	.02		
Punitive Theology	-.05**	-.03*	.24**	.16**	-.07**	-.03+	.25**	-.05*		
Adj R-Sq	.09	.35	.22	.14	.08	.25	.12	.22	.15	.06

Individual Level: Social Capital Reduces Stress: Church Attendance is most effective



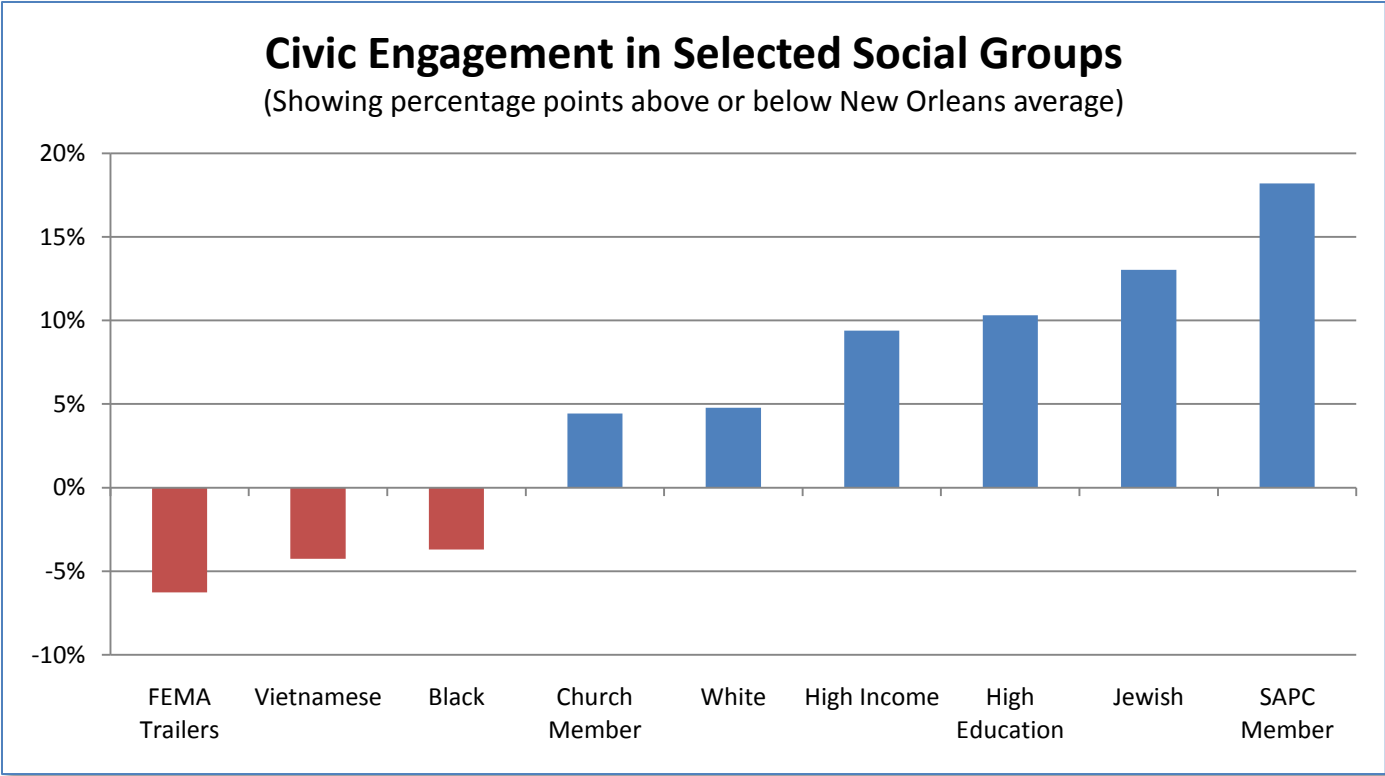
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In Partnership with New Orleans Community Leaders
(Supported by the National Science Foundation)
Total Number of interviews = ca. 6,000

Comparison of Selected Groups

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Civic Engagement in Selected Social Groups



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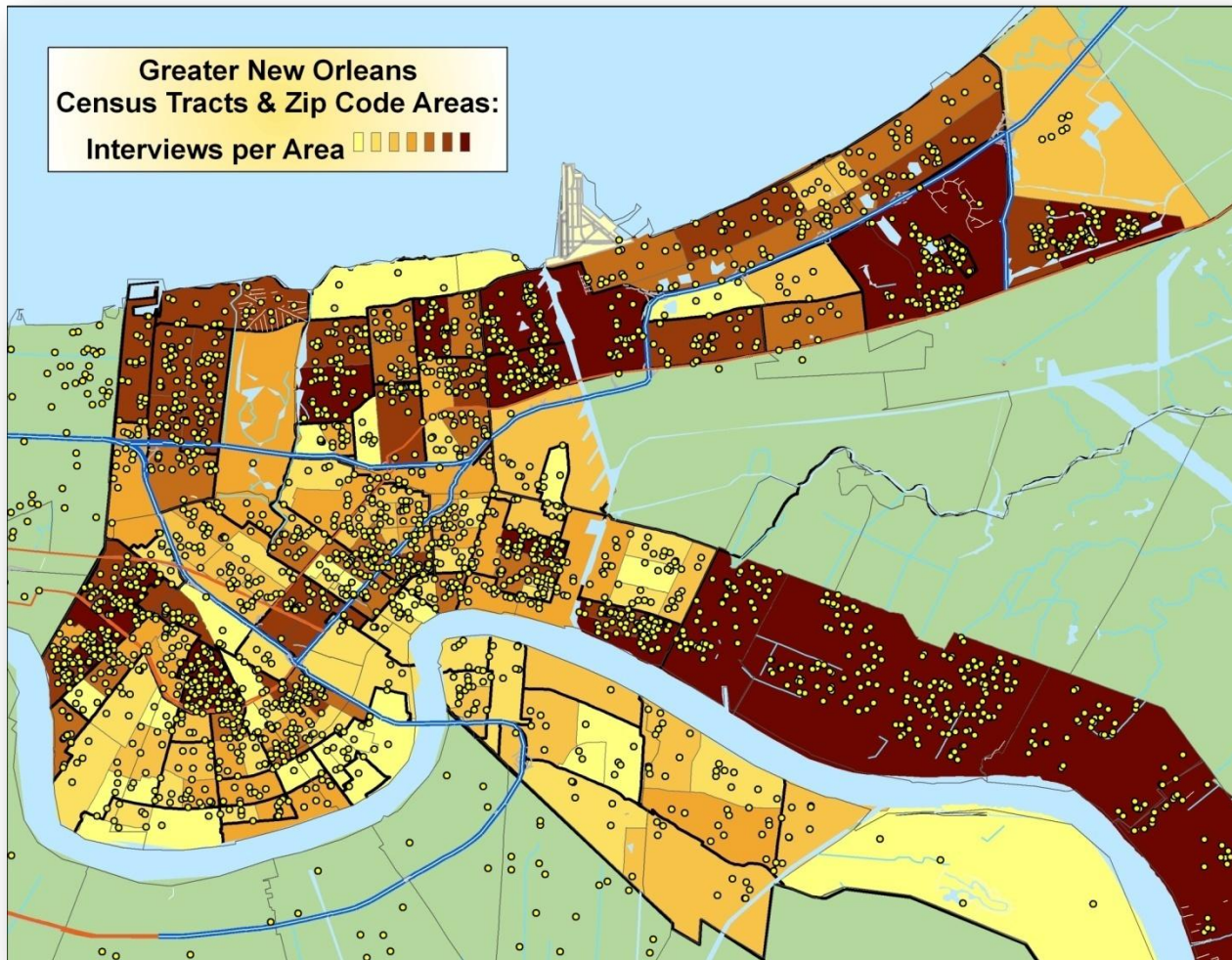
(Supported by the National Science Foundation)

Aggregate Data Analyses

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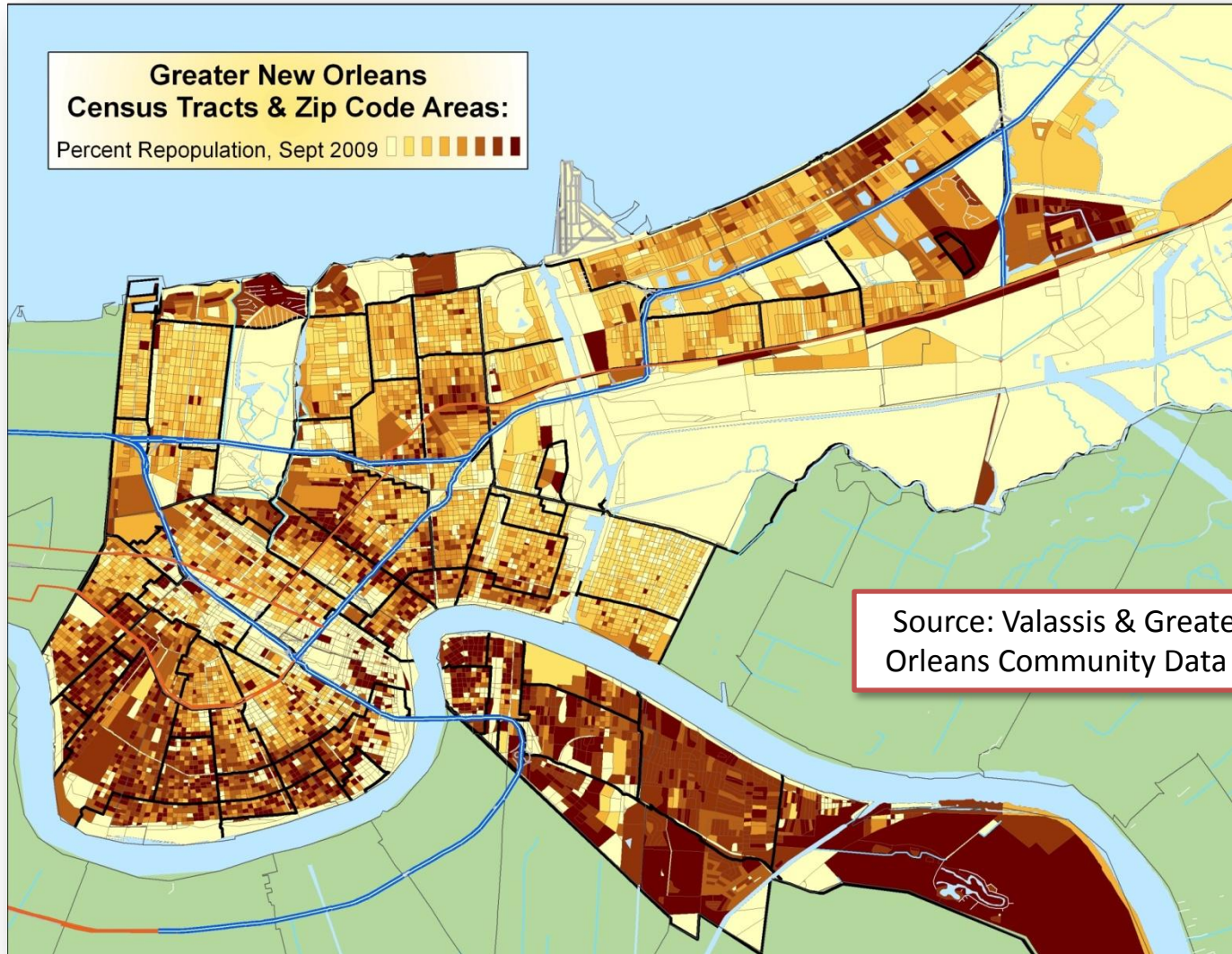
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With a large enough N (ca. 6,000), we can aggregate (average) data to geographical districts and conduct aggregate analyses. We use the finest (smallest) district size we can, consistent with reliable averages per district.

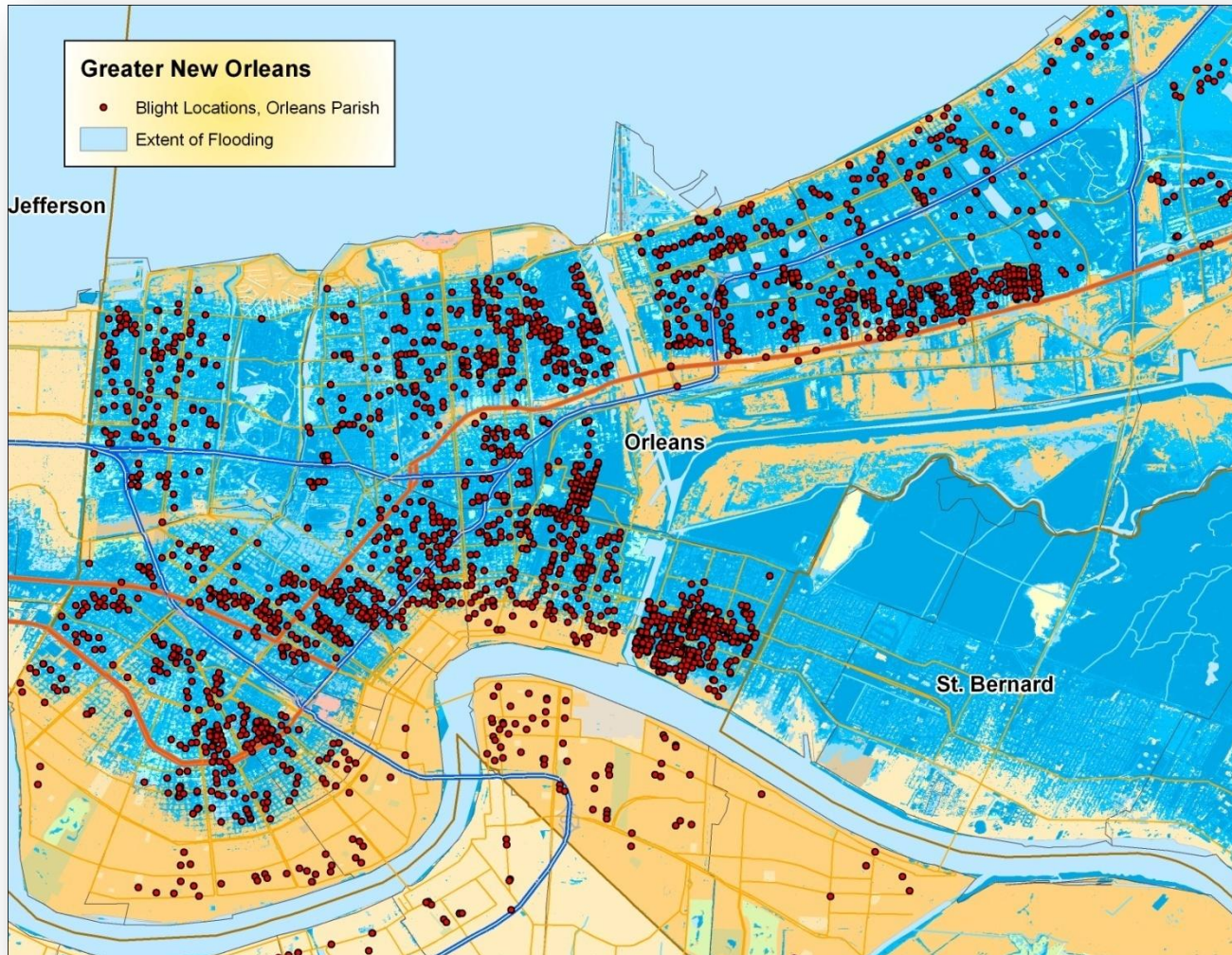


Repopulation Data (from Postal deliveries)

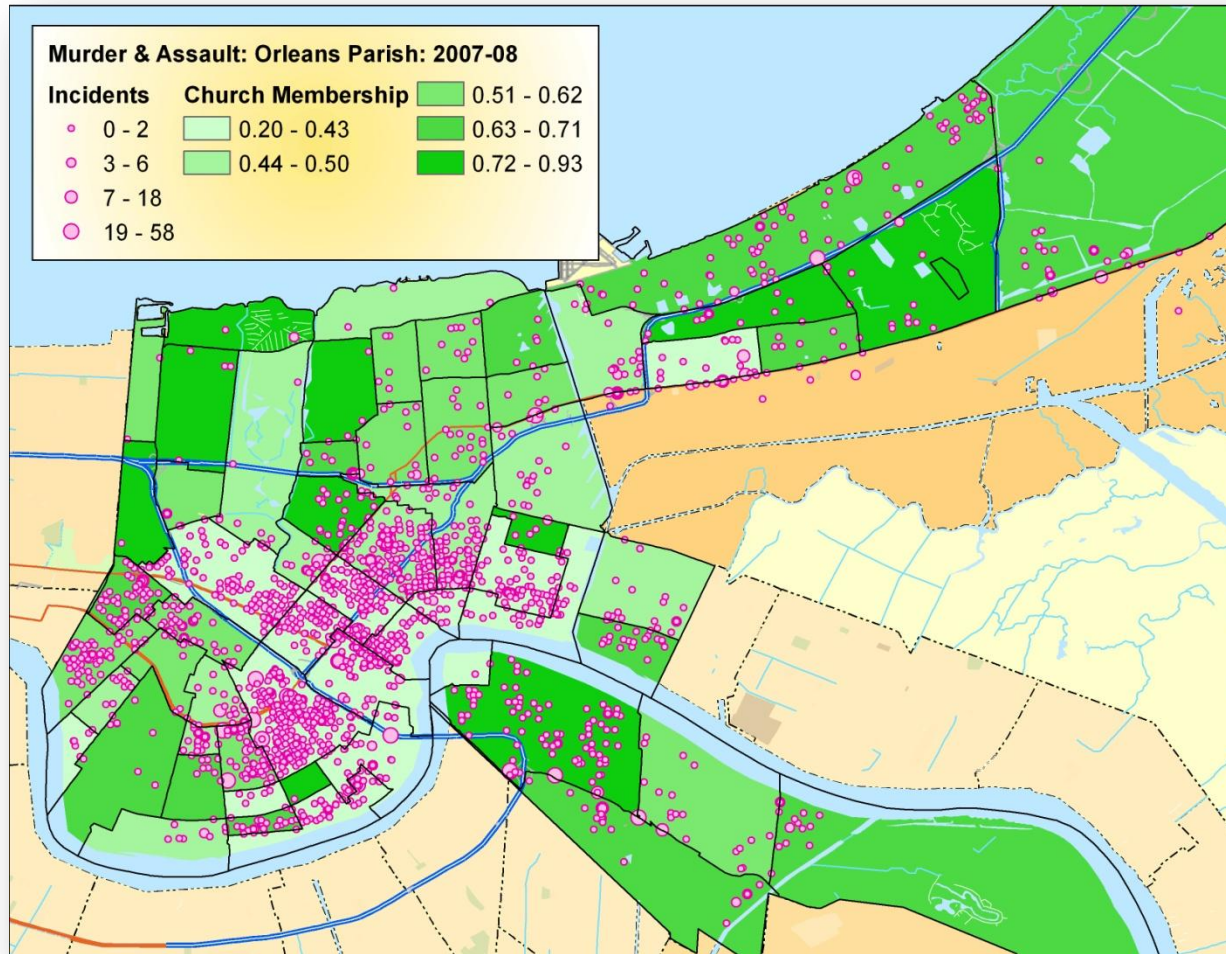
Can be analyzed with our aggregated survey data.



Blight Data (from the City of New Orleans) Can be analyzed in the same way.



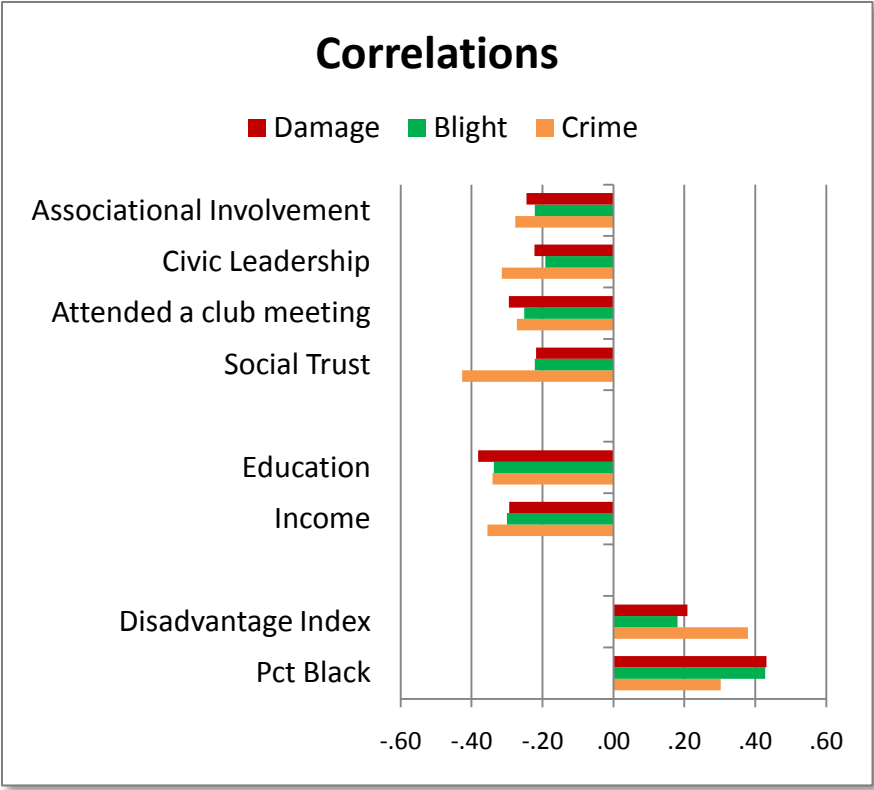
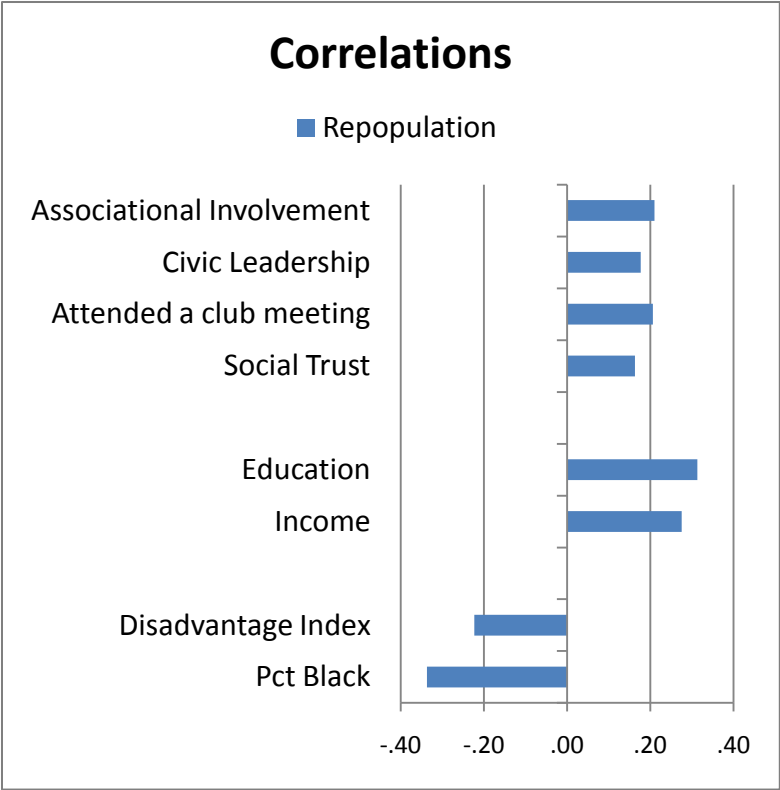
For instance, Church Membership Is associated with Reduced Violent Crime



Survey Data (N = 2,648) & Police Reports, Aggregated to Neighborhood Level (N = 62)

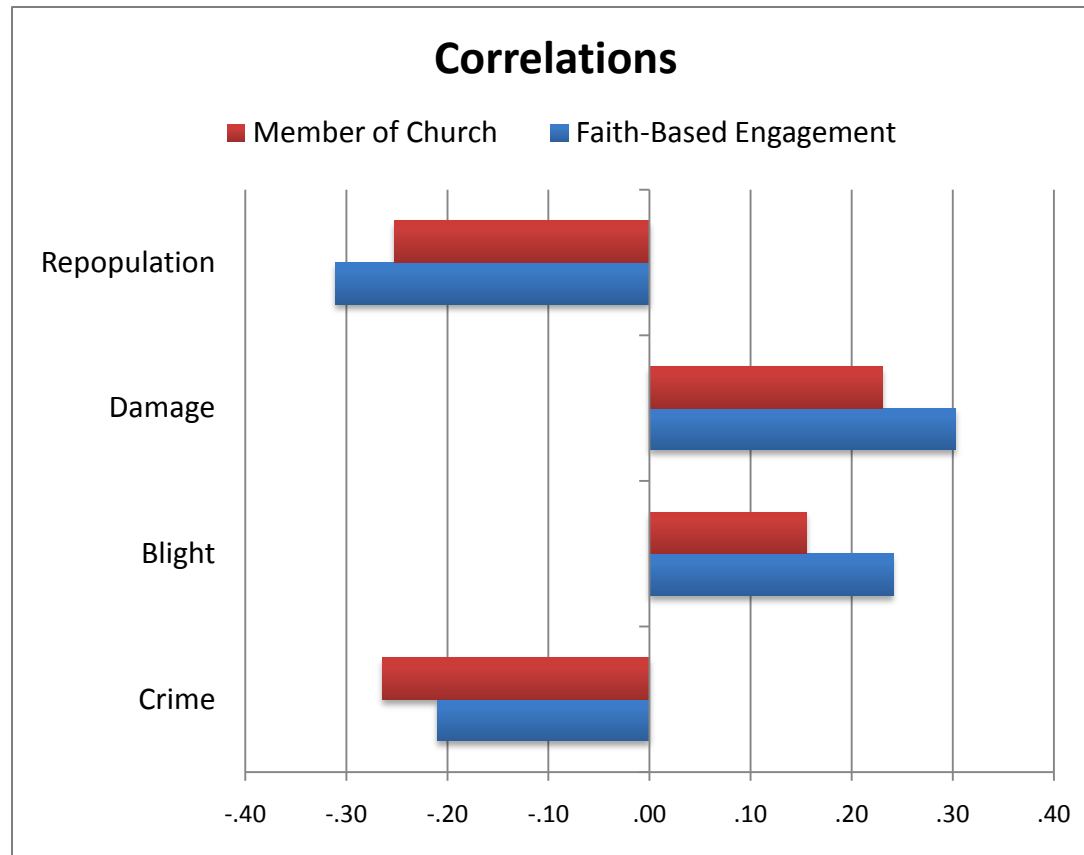
Aggregate Level:

Social Capital and Higher Social Status promote Repopulation and reduce Negative Outcomes.



Aggregate Level:

Faith-Based Social Capital is associated with Negative Outcomes (under-population, damage, blight), but reduces Crime.



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Partnerships: “Social Action” Research

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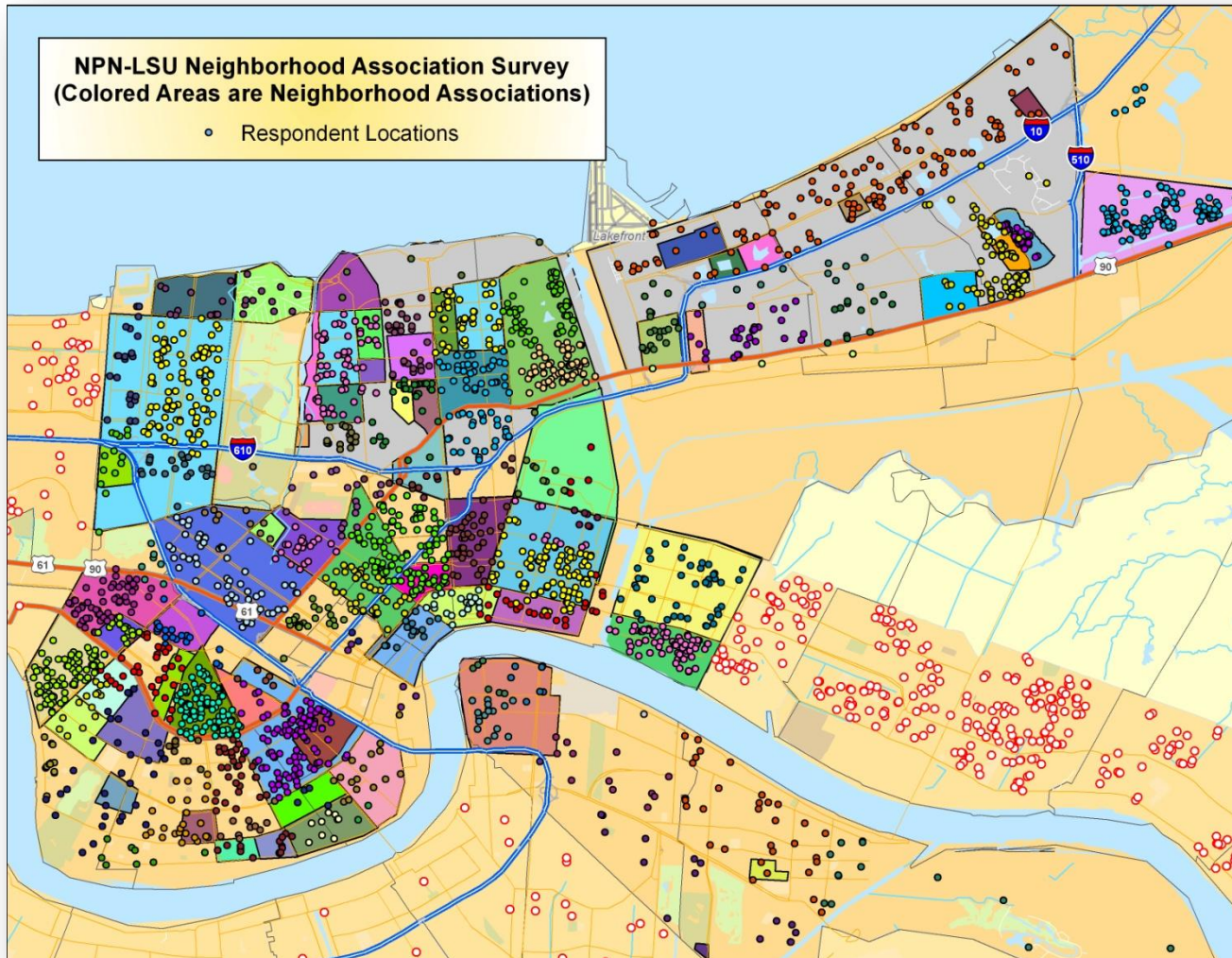
The Neighborhoods Partnership Network (NPN)

A nonprofit, citywide network of neighborhoods.

We are collaborating on an organizational survey with NPN,
and creating a multi-level data set.



The Neighborhoods Partnership Network (NPN): Data Collection as of June, 2010



Analyses for “Sweet Home New Orleans:”

Where did Musicians from Flooded Areas Move?



The “Roots of Music”

After-school music program for middle school kids.

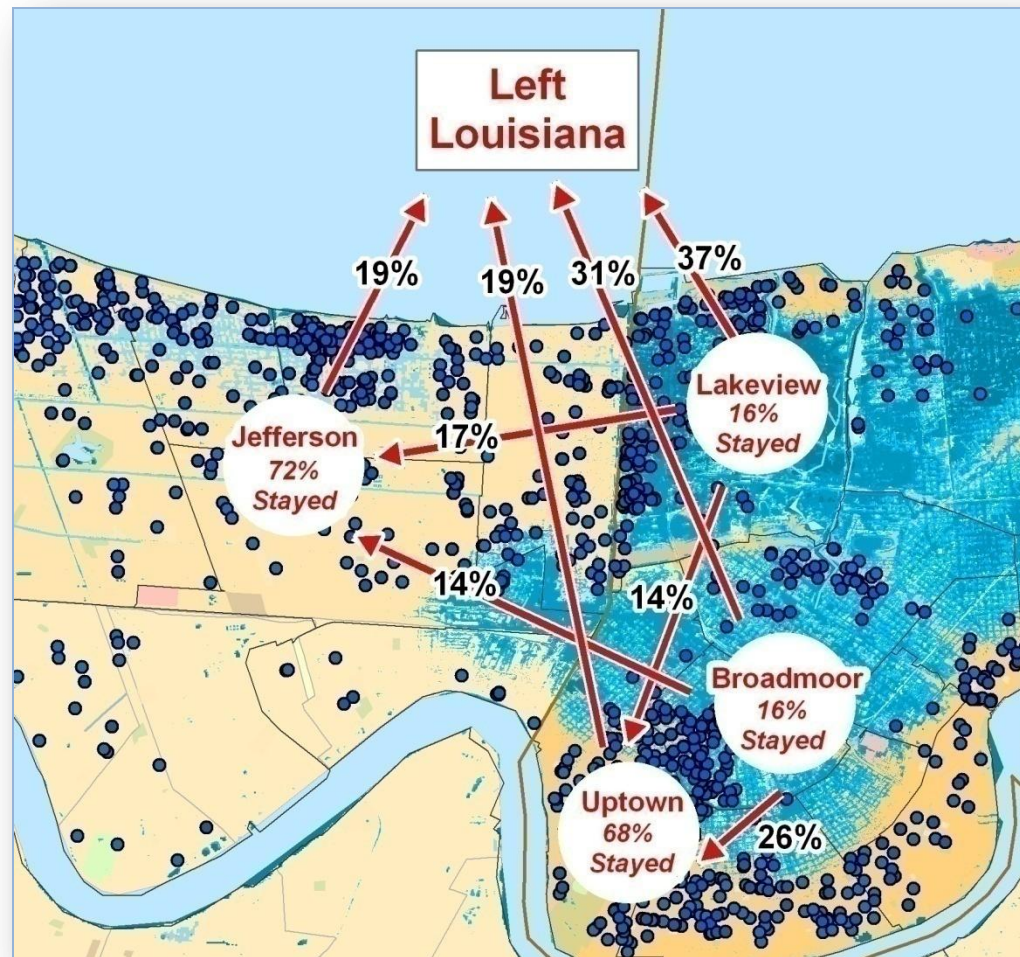
Social Action Research: Building social capital for the kids and their families, while conducting our survey of their parents.



Organizing meeting at Café du Monde
during JazzFest, 2008. Derrick Tabb, at right, Program Director & snare drummer for the Rebirth Brass Band.


Mardi Gras, February, 2010.
We marched in 5 top parades & the Saints victory parade, and played at Jazzfest.

Jewish Federation of Greater New Orleans: Where did people from Flooded Areas Move?



Vietnamese and Jewish Community Leaders Comparing Notes on Recovery Strategies.

Item: It's not all "Culture." Lots of it is Strategy and Planning that others can adapt.

 JEWISH FEDERATION OF
GREATER NEW ORLEANS

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Hurricane Preparation

Post Hurricane Katrina Advocacy

Post Hurricane Katrina Resources

Post Hurricane Katrina Volunteer Mitzvah Project

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Home > Jewish News > 9-15-06 JN JFS Interest Free Loans

Jewish Family Service Launches Interest Free Loans



Where can members of the Jewish community find financial assistance for their businesses or to help rebuild their homes?

One place is the **Jewish Family Service Interest-Free Loan Program**, designed to help individuals, families, and businesses get past the financial hurdles that are preventing them from moving forward in their recovery.

The New Orleans Jewish Community Financial Recovery Plan, administered by the Jewish Family Service Financial Aid Center is ready to extend a helping hand to those in temporary financial crisis due to the devastation of Hurricane Katrina and its aftermath.

Funds for this program were made available to Jewish residents of our community who were affected by the storm through the generosity of donors. Specifically, the funds are intended "to lessen the financial hardships facing families and businesses due to the hurricane."

The program, open to Jewish residents of New Orleans, will provide funding in two areas:

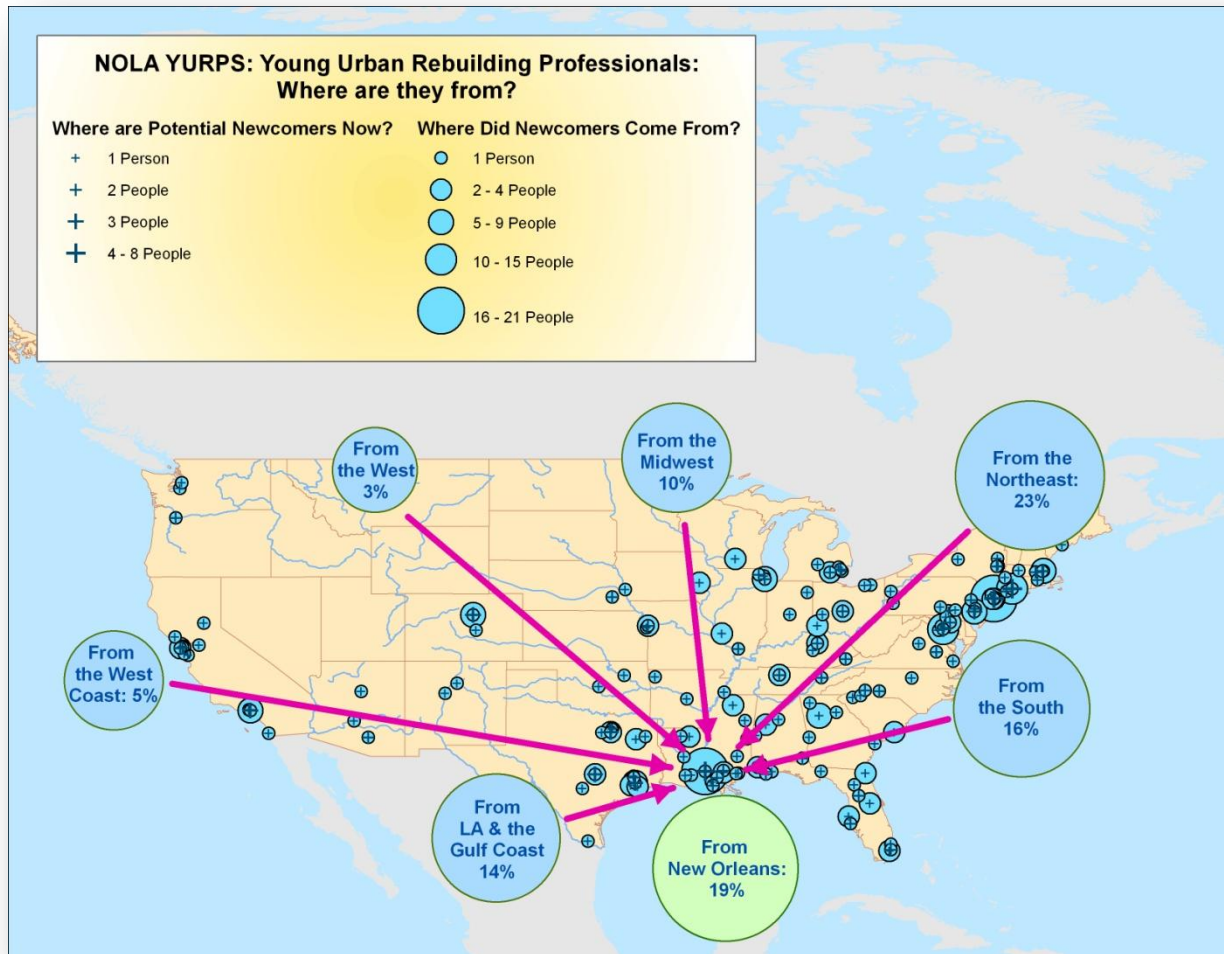
- Home loans, not to exceed \$15,000 per household, will be available to assist in the restoration and/or repair of damaged residences.
- Business loans, not to exceed \$15,000 per business, will be available to Jewish-owned businesses in the greater New Orleans area for restoration of offices, equipment replacement, business start-up and/or operating capital.

Advanced Search



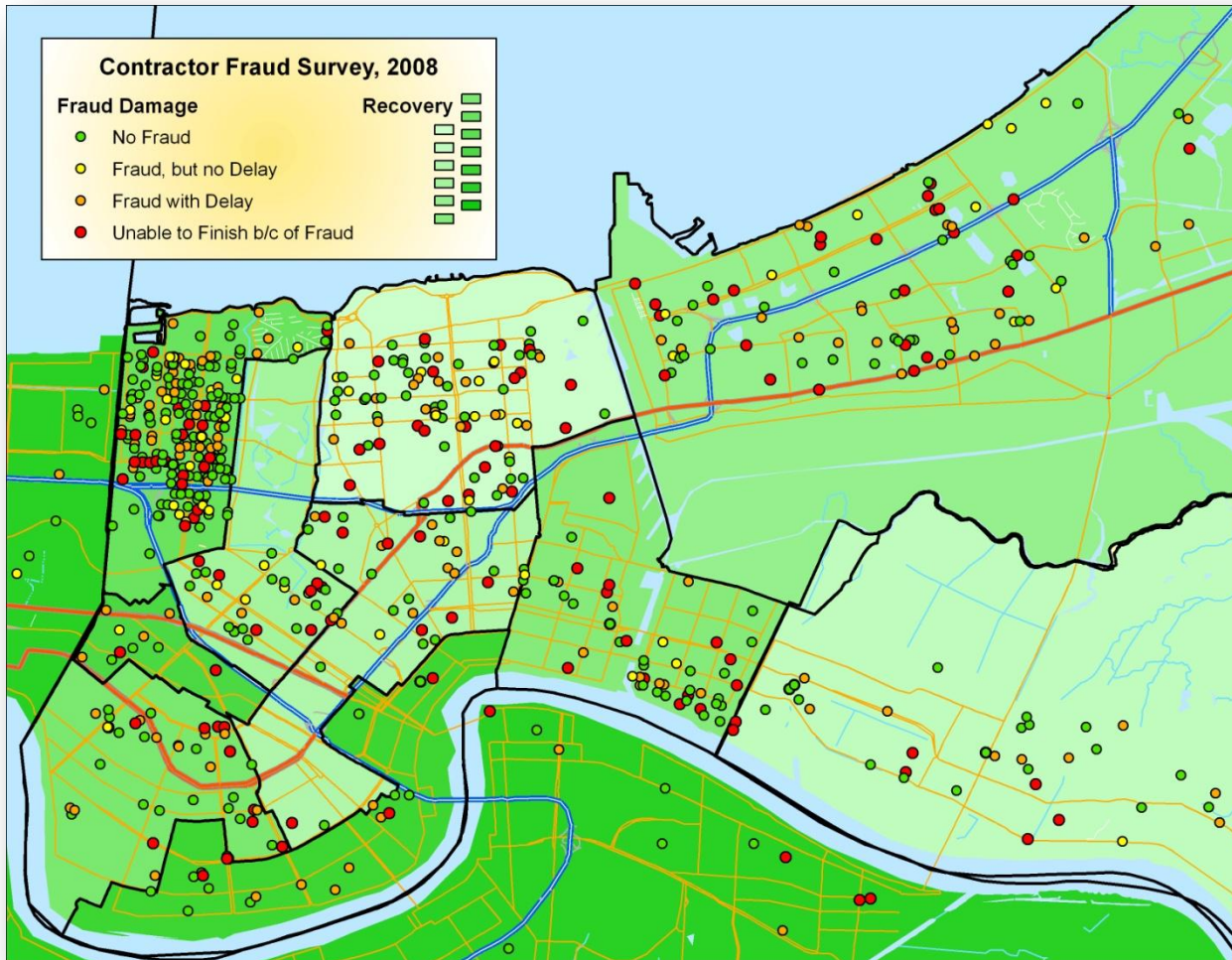
NOLA YURP (Young Urban Rebuilding Professionals) “Brain Gain:” Where are they from?

New Young Leader survey now (2010) in the field with “504ward”



N=426. Data collected summer, 2008.

Collaboration with LouisianaRebuilds.Info: Surveys of Contractor Fraud throughout southern Louisiana



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Adding a Documentary Film to the Study

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Some of the people and groups We have filmed and plan to film

7th Ward

Abram Himelstein, Rachel Breunlin, Neighborhood Story Project, the Porch
 Allison Plyer, GNOCDC - Greater New Orleans Community Data Center
 Arlene Barron, Leslie Fishman, Jewish Community Center
 Audrey Browder, Central City Partnership & Pontilly Disaster Recovery Center
 Bobby Garon, Alan Bissinger, Michael Wasserman, & Julie Wise Oreck, Jewish Federation of GNO
 Capacity College, NPN
 Capacity College, NPN
 Capacity College, NPN
 Chalmette Tomato Festival, OLPS
 Cheryl Diggins, Melia
 City Council Mtg, Master Plan, Dist B
 Clients, Sweet Home New Orleans
 Dena Gerber, Jewish Family Service
 Denise Thornton, Tina Marquardt, Connie Uddo, Milissa Orzolek, Beacons of Hope/St. Paul's Homecoming Center
 Derrick Tabb, Roots of Music, various
 Derrick Tabb, Roots of Music: NOMTOC Parade
 Derrick Tabb, Roots, Parading in Neighborhoods to Recruit & show need
 Diem Nguyen, Mary Tran, Mary Queen of Vietnam CDC
 Erich Sternberg & Richard Lipsey, Jewish Federation of Greater BR
 Erin Patton, family were caterers in Chalmette
 Fr. Vien, Mary Queen of Vietnam Catholic Church
 Gert Town
 Gill Benedek, Moishe House
 Gill Benedek, Neighborhood Partnership Network
 Glenn Stoudt, Al Petrie, Lakeview Community

Improvement Association

Greg Phares, former EBR Sheriff
 Harrison Ave Marketplace, Lakeview
 Hubert Dixon (others), The Porch
 Iray Nabatoff, Community Center of St. Bernard
 Jennifer Weishaupt, Jennifer Farwell, Mid-City Neighborhood Organization (MCNO)
 Jessica White, Barbara Johnson, 504ward
 Joe Sherman, Carol Dotson, Hollygrove
 John Koefler, Holy Cross NA
 Jordan Hirsch, Sweet Home New Orleans
 Katherine Prevost, Bunny Friends NA
 Kevin Brown, Evelyn Turner, Trinity Christian Community - Hollygrove
 LANO
 LaToya Cantrell, Hal Roark, Broadmoor Improvement Association
 LimmudFest - Main day, Jewish Community
 Lisa Smith, Unmet Needs Committee, Red Cross
 LJ Goldstein, Renee Heinlein, David Freedman, Jewish Community
 LJ Goldstein, Renee Heinlein: Seder planning, Krewe du Jieux
 Loren Pickford, Musician, Sweet Home Client
 Mardi Gras Indians, I, Dryades & 2nd, Central City, MG Day
 Mardi Gras Indians, II, St Joseph's Day
 Mardi Gras Indians, III, Background w Harrison family
 Mary LeBlanc, Arcenia Crayton, & Wilbert Ross, Renaissance Village
 Mary W Rowe, New Orleans Institute, City-Works
 Meg Lousteau, VCPORA (French Quarter)
 Membership and/or Committee Mtgs, Broadmoor Improvement Association

Membership and/or Committee Mtgs, Jewish Federation of GNO
 Membership Mtg, Lakeview Community Improvement Association
 Nonprofit Central in NOLA
 Purim, Uptown Jewish Community Center
 Ray Nichols, Gonzo Civic Volunteer
 Rev. Danny C. Digal, Our Lady of Prompt Succor Church
 Rita LeGrand, Lakeview Blight inspections & enforcement
 Ronald Baptiste, McKendall Estates Homeowners Assn
 Sandra Reed, Keisha Brown Robinson, Central City Renaissance Alliance
 Seabrook Neighborhood Association
 Social Aid & Pleasure Clubs, Second Line Parade (Sundays)
 Steven Bingler, Concordia - Nexus tour of French Quarter
 Steven Bingler, Concordia - sit-down interview
 Tamara Jackson, SAPC Task Force Peace March
 Tamara Jackson, Social Aid & Pleasure Club Task Force
 Tet Vietnamese New Year celebration, Mary Queen of Vietnam Catholic Church
 Timolynn Sams, Neighborhood Partnership Network
 Tony Fernandez, St Bernard Deputy Sheriff & Parish President OLPS
 Victor Gordon, Clara Carey, King Wells Sr., Pontilly Association
 YMO, 9Times, Prince of Wales, Social Aid & Pleasure Clubs
 Youth Think Tank, Work with Audrey at Central City Partnership
 Zack Rosenburg, St. Bernard Project

A few of the community leaders we have filmed

Al Petrie, Lakeview



Katherine Prevost, Upper 9th Ward



Denise Thornton, Beacon of Hope



Allan Bissinger, Jewish Federation



Audrey Browder, Central City



Sue Press, Ole & New
Style Fellas SAPC, Treme

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**Community Strategies and Resources
for Recovery**

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Community Strategies and Resources for Recovery 1

- Increasing organizational capacity and autonomy.
 - Use of Committees, Block Captains, etc.
 - Doing own Data Collection.
 - New technologies, like Mapping, Data Bases.
 - Use of Volunteers.
 - Taking the initiative and not waiting for outside help.

Community Strategies and Resources for Recovery 2

- Greater strategic sophistication.
 - Creating “Critical Masses” or “Tipping Points”
 - Branding
 - Community planning
 - E.g., Broadmoor, Vietnamese, Jews

Community Strategies and Resources for Recovery 3

- Increasing citizen participation.
 - People who had never participated before
- A new Cooperative Orientation among community leaders
 - 91% of Neighborhood leaders in our survey affirmed that relations with other leaders are cooperative

Community Strategies and Resources for Recovery 4

- Emergence of new Umbrella Groups from *outside* the organizational eco-system they work with
 - Convening Groups.
 - Find areas of common concern on which they can work together.
 - Find synergies on issues that would otherwise produce competition/conflict.
 - Learn from each other.

Community Strategies and Resources for Recovery 5

- New recovery resources from “Outside-inside” the community
 - Extra-Regional, National, & International assistance from within the communities
 - Vietnamese Community
 - Houston & West Bank Neighbors
 - Jewish Community
 - National & Baton Rouge organizations
 - Cultural Community
 - Assistance to Musicians from Musicians

Community Strategies and Resources for Recovery 6

- New forms of Philanthropy
 - Traditional:
 - Paternalism & Deference
 - Modern/Managerial:
 - Expertise & Efficiency
 - New:
 - Treats recipients as *partners*, equals
 - Aims to build autonomy & self-sufficiency

Cautions and Implications for Future Policy and Actions 1

- Lower and middle- status citizens must be able to overcome elite resistance to their participation.
 - Social Aid & Pleasure Clubs as Community Leaders

Cautions and Implications for Future Policy and Actions 2

- Citizens must overcome government resistance to their participation, as well as avoid being “captured” by government.
 - New “hardball” tactics:
 - Broadmoor’s Plan
 - Vietnamese Landfill issue
 - Sharing new techniques:
 - “Capacity College”
 - Avoiding Government “Capture:”
 - Autonomy of Neighborhood Associations

Cautions and Implications for Future Policy and Actions 3

- Communities must find ways to sustain participation beyond the euphoric period of recovery, into the more mundane tasks of further improvement that are often more technical rather than popular in nature.
 - Issue of Expertise & Leadership

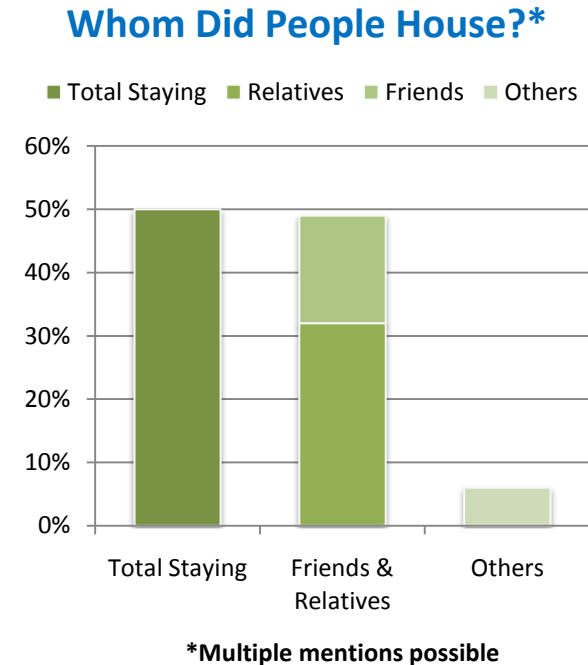
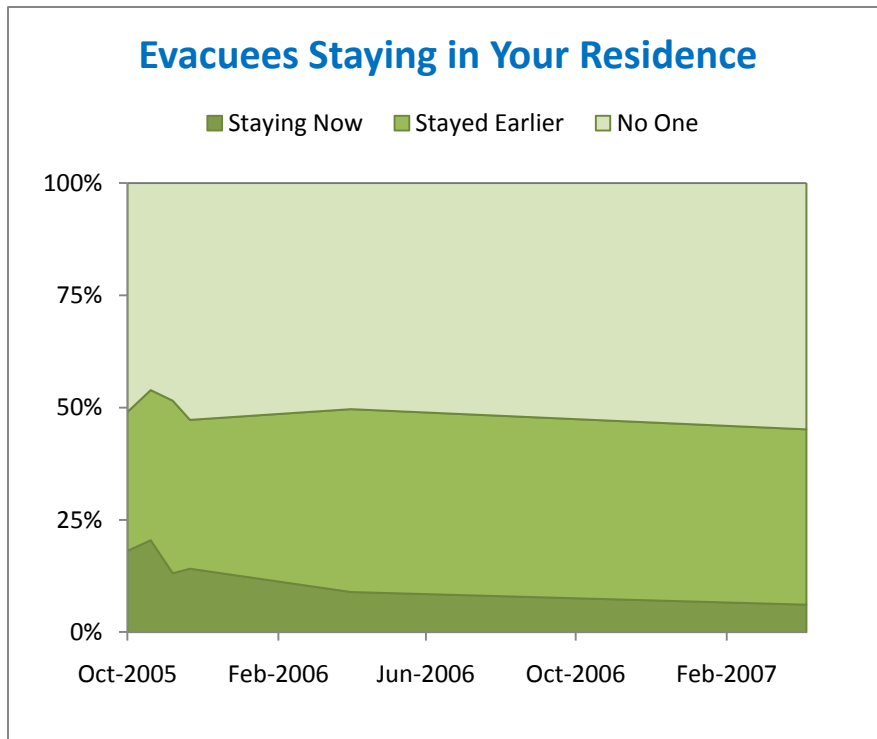
LSU Post-Katrina Surveys in Baton Rouge:

Impact on the Community;
Helping cope with the Disaster
(supported by NSF)

Total Interviews = 2,960 in 3 waves:

- September 27 to November 29, 2005 (N=1,349)
- February to April, 2006 (N=1,008)
- March to April, 2007 (N=603)

Half the households in Baton Rouge housed Evacuees ... almost entirely relatives and friends.



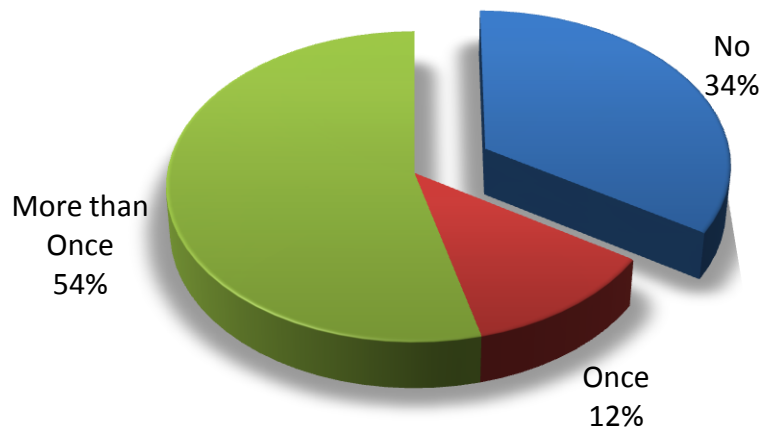
Factoid: Southern Louisiana has some of the densest social networks in America.

Question:

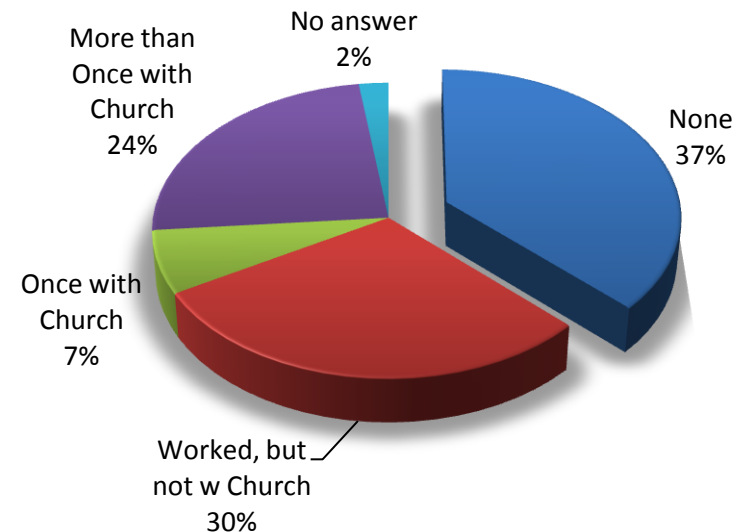
- Where would disaster evacuees have gone if this had happened some other place?
- Hint: The Authorities would have to figure that out...

Two thirds of people in Baton Rouge did volunteer relief work – most more than once. Most of them volunteered with Religious Organizations.

Did Volunteer work to Help Evacuees

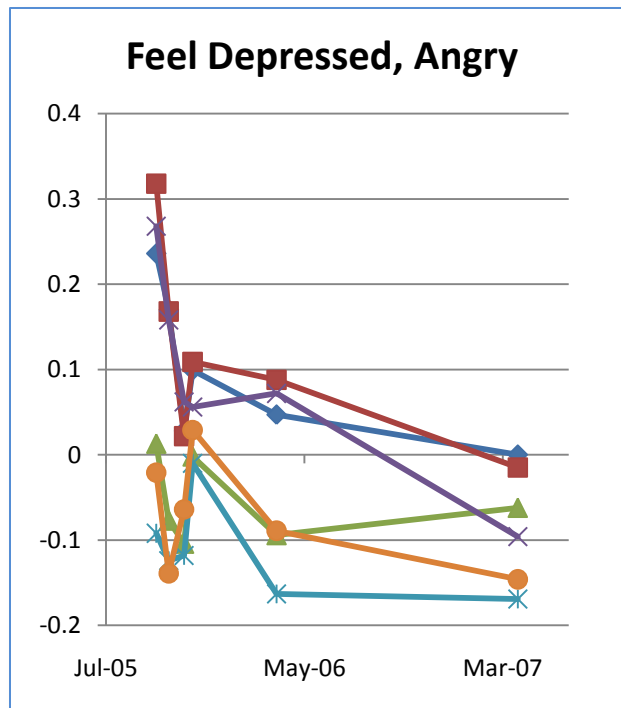
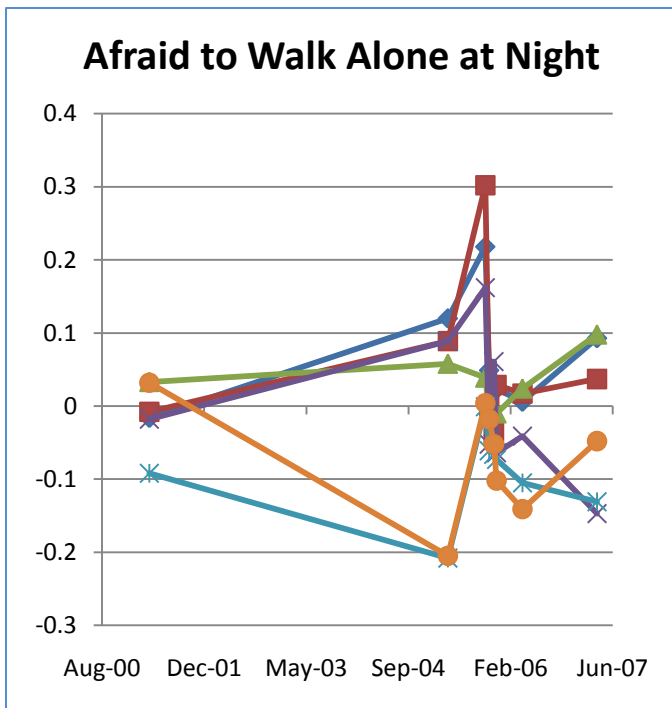


Did Volunteer work to Help Evacuees - with Religious Organization



Social Capital and Stress

People with the best social networks were initially most stressed because they were most involved in relief work. They also recovered the fastest.



LSU Post-Katrina Research

on Disaster Recovery & Community Resilience

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