



## TECHNICAL DOCUMENTATION AND INSTRUCTIONS FOR USE MAP | Miami Affordability Project

### **Overview**

The Miami Affordability Project (MAP) contains data on subsidized housing and selected demographic data for Miami-Dade County. The intent is to provide an open-access tool for affordable housing and community development practitioners and advocates to better understand the supply and demand for housing and its geography, thereby leading to more informed housing policy and practice. This technical documentation is for the first phase of the MAP, and will be updated as we complete future releases of MAP with expanded functionality and additional and updated data. This MAP is led by the University of Miami's Office of Civic and Community Engagement and supported by JPMorgan Chase, with additional support from the Jesse Ball duPont Fund. Software development is by University of Miami's Center for Computational Science.

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### **Disclaimer**

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### **How the MAP works**

The map contains five different datasets that are represented as layers that can be turned on or off of the visual display, and that can be filtered for analysis. Three of the datasets cover all of Miami-Dade County: the Developments layer, the Neighborhoods layer, and the Section 8 layer. The Parcels layer and Historic layer are only available at present for the Overtown neighborhood.

### **Basic Functionality:**

Click the **Layers** button at the top left of the screen to display the available data layers.

Click on a tab to display the filters available for that dataset.

To display features (housing developments, census tracts or parcels), activate a filter either by checking the box next to the filter or adjusting the sliding control, and then click the update button at the top of the screen.



If more than one filter is selected, the map will only display those features that meet ALL the selected criteria.

To view the attributes of a particular feature, click the feature on the map and a pop-up will appear, displaying all available data for that feature.

To reset the map to its default state with no filters activated, click the **Reset** button.

## **Datasets and Layers**

All of the datasets were compiled from publicly available data sources. The data is provided here as a public service; charging for its use, or redistribution without permission, is prohibited.

## **Developments**

The Developments layer consists of two principal datasets – Assisted Housing and Public Housing. Assisted Housing developments include all the project-based subsidized rental housing in Miami-Dade County. This encompasses all the units that received a subsidy, whether federal, state, or local, for the construction or rehabilitation of the unit and which have requirements or regulations for the level of affordability of the units. Section 8 vouchers are not included. The dataset was compiled from three principal sources: The Shimberg Center at the University of Florida, Miami-Dade County Public Housing and Community Development Department, and the City of Miami Community and Economic Development Department. Additional data came from the Miami-Dade County Property Appraiser.

To create the Assisted Housing dataset, the three datasets were merged and developments were matched based on name and address. Year Built and Owner information were cross-checked with the Property Appraiser's dataset based on address. Since each dataset included different types of information, only those developments that appeared in each dataset have all the available data. Those that only appeared in one or two datasets are therefore incomplete. In some cases, data were incomplete within a dataset for a variety of reasons, and in some cases there may be errors. We attempted to resolve discrepancies that appeared in certain cases but did not attempt to verify all the information in each dataset. Therefore, users should take caution and verify any information related to a particular development of interest.

### *Shimberg Center at the University of Florida*

The Shimberg Center at the University of Florida maintains a clearinghouse for data on housing affordability. The Center compiles data from HUD, Florida Housing Finance Corporation, and local housing authorities, and provides it in Excel spreadsheets for download through their website. The data used for this map is updated annually and includes all rental units funded through HUD mortgage assistance and rental assistance, Low-Income Housing Tax Credits, state HOME, SAIL, and Local Housing Finance Authority bonds. The data in MAP from the Shimberg Center were downloaded in May 2015 and are current as of late 2013 and early 2014.



*Miami-Dade County Public Housing and Community Development Department*

Miami-Dade County funds the development and rehabilitation of rental units through its HUD entitlement funds (CDBG, HOME, and NSP) as well as through its own Documentary Surtax Program. The data available in this layer include the type of project, the type of funding source, and the funding amount. The data in MAP are current as of June 2015. The Public Housing dataset contains all the housing developments publicly owned and operated by Miami-Dade County. The data comes from the Miami-Dade County Public Housing and Community Development and is updated annually.

*City of Miami Community and Economic Development Department*

The City of Miami funds housing developments through its HUD entitlement programs, principally CDBG and HOME. The data available in this layer include the funding source, type of development, number of units and bedrooms, affordability levels, the dates of affordability restrictions placed by the City (which are independent of restrictions placed by other funding programs that may apply to the same development), and inspection dates. The data in MAP are current as of June 2015.

*Data Availability by Funding Source*

	<b>FHFC Funded</b>	<b>HUD Multifamily Funded</b>	<b>HUD Public Housing Funded</b>	<b>RD Funded</b>	<b>LHFA Funded</b>	<b>MDC and City of Miami Funded</b>
Units by Income Restrictions	X					X
Average Rents	X	X		X	X	
Average Utility Allowance	X	X			X	
Household Composition	X	X	X	X	X	
Race/Ethnicity		X	X			
Tenant Annual Household Income (\$)	X	X	X	X	X	
Tenant Annual Household Income (% Area Median Income)	X	X	X	X	X	
REAC Scores		X				

**Neighborhoods Layer**

The Neighborhoods layer contains data maps and filters at the census tract level. The Housing Characteristics and Demographics data come from the American Community Survey (ACS), which is an annual survey of households conducted by the U.S. Census Bureau and is the most complete source for demographic information in the United States. Five year averaged data is the most reliable for small geographies, so tract level data were downloaded using the Summary File Retrieval Tool for the 2008-2013 time frame. A list of definitions is included in the Appendix.

The Market Indicators data maps and filters are part of a project conducted in the spring of 2015 by the Office of Civic and Community Engagement with the assistance of Alan Mallach of the Center for



Community Progress. The indicators were created from a variety of different data sources and aggregated to the census tract level using ArcGIS. The USPS Vacancy data and HMDA data contained census tract identifiers, and the remaining datasets contained folio identifiers. Folios were matched to census tracts using the Parcel Poly shapefile available from the Miami-Dade County GIS department. Dates are indicated in the title of each filter or data map. A complete list of indicators and sources is available in Appendix C.

### **Section 8 Layer**

The Section 8 layer contains Section 8 data at the census tract level. The Section 8 information was provided by Miami-Dade County Public Housing and Community Development and is current as of April 2015.

### **Parcels Layer**

The Miami-Dade County Property Appraiser maintains a database of all parcels in the county, which includes when buildings were constructed, building characteristics, zoning, sales and appraisal information. The Overtown parcels dataset was constructed by merging parcel boundaries downloaded from Miami-Dade County Geographic Information Systems Self Services with folio data from the Property Appraiser. The data in MAP are current as of March 2015 and users should verify information for any particular property by visiting the Property Search website.

### **Historic Layer**

The historic layer contains a list of historically significant sites in and around the Overtown neighborhood. The data was compiled from the City of Miami Historic Preservation Office and the Miami-Dade County Property Appraiser.

### **Boundaries Layer**

The Boundaries layer contains neighborhood and municipal boundaries. Municipal boundaries were downloaded from the Miami-Dade County GIS portal. The method for determining neighborhood boundaries varies by neighborhood.



**Appendix A: Developments Dataset**

Development Type	Type of development
Development Name	Development name
Street Address	Street address
City	City
Zip Code	Zip Code
Total Units	Total units
Assisted Units	Assisted units
RD/HUD Rental Assistance Units	RD/HUD Rental Assistance units
Agency/Developer	Agency/Developer
Owner Name	Owner name
Mailing Address	Mailing address
Management Name and Contact Info	Management name and contact info
Population Served	Population served
Description	Project description (public housing only)
Year Built	Year structure was built/finished
Affordability Start Date	Year beginning affordability restrictions
Overall Expiration Date of Governing Program	Latest expiration date of all funding program restrictions
Housing Program(s)	All funding sources
HUD Funded	Funded by U.S. Department of Housing and Urban Development
RD Funded	Funded by the U.S. Department of Agriculture Rural Development program
FHFC Funded	Funded by the Florida Housing Finance Corporation
LHFA Funded	Funded by a local housing finance authority
City of Miami Funded	Funded by the City of Miami
MDC Funded	Funded by Miami-Dade County
Rental Assistance/HUD	Includes HUD Rental Assistance units (project based Section 8)
Public Housing	Includes Public Housing units
Other HUD	Includes other HUD programs
Rental Assistance/RD	Includes RD Rental Assistance units
Other RD	Includes other RD funding
Housing Credits 4%	Includes Low-income Housing 4% Tax Credits
Housing Credits 9%	Includes Low-income Housing 9% Tax Credits
SAIL	Includes SAIL funding
State HOME	Includes state HOME funding
Local Bonds	Includes local bonds
MDC HOME	Includes Miami-Dade County HOME funding
MDC CDBG	Includes Miami-Dade County CDBG funding
MDC NSP	Includes Miami-Dade County NSP funding
MDC Surtax	Includes Miami-Dade County Surtax funding
Miami HOME	Includes City of Miami HOME funding
Miami CDBG	Includes City of Miami CDBG funding



Miami AHTF	Includes City of Miami Affordable Housing Trust Fund funding
Miami NSP	Includes City of Miami NSP funding
Miami SHIP	Includes City of Miami SHIP funding
HUD Rental Assistance Expiration	HUD Rental Assistance units contract expiration date
HUD Use Restriction Expiration	Other HUD funding program restrictions expiration date
HUD Mortgage Maturity (Sec 236)	HUD Mortgage Maturity date
FHFC 4% Housing Credit Expiration	Expiration date of affordability restrictions tied to LIHTC 4%
FHFC 9% Housing Credit Expiration	Expiration date of affordability restrictions tied to LIHTC 9%
FHFC SAIL Expiration	Expiration date of affordability restrictions tied to SAIL funding
FHFC Bonds Expiration	Expiration date of affordability restrictions tied to FHFC bonds
FHFC HOME Expiration	Expiration date of affordability restrictions tied to FHFC HOME funding
LHFA Bond Maturity	Maturity date of LHFA bonds
MDC Expiration	Expiration date of affordability restrictions tied to MDC funding
Miami Expiration	Expiration date of affordability restrictions tied to City of Miami funding
Project Rent to FMR	Ratio of project rent to Fair Market Rent
REAC Score	HUD Real Estate Assessment score of building physical inspections. <a href="http://portal.hud.gov/hudportal/HUD?src=/program_offices/public_indian_housing/reac/aboutreac">http://portal.hud.gov/hudportal/HUD?src=/program_offices/public_indian_housing/reac/aboutreac</a>
REAC Score Release Date	REAC Score Release Date
Units restricted to <=35% AMI	Units available for tenants at <=35% of the Area Median Income
Units restricted to 40-50% AMI	Units available for tenants at 40-50% of the Area Median Income
Units restricted to 55-60% AMI	Units available for tenants at 55-60% of the Area Median Income
Units restricted to 65-80% AMI	Units available for tenants at 65-80% of the Area Median Income
Units restricted to >80% AMI	Units available for tenants at >80% of the Area Median Income
Public Housing	Number of public housing units
Homeless	Number of homeless units
Elderly	Number of elderly units
Special Needs	Number of special needs units
UFAS Mobility	Number of units for limited mobility households
UFAS Hearing/Visual	Number of units for hearing/visually impaired households
Average 0 BR Rent	Average rent for a 0 bedroom unit
Average 1 BR Rent	Average rent for a 1 bedroom unit
Average 2 BR Rent	Average rent for a 2 bedroom unit
Average 3 BR Rent	Average rent for a 3 bedroom unit
Average 4+ BR Rent	Average rent for a 4 bedroom unit
Average Rent/FMR (%)	Average rent as a percent of Fair Market Rent
Number of 0 BR	Number of 0 bedroom units (studio/efficiency)
Number of 1 BR	Number of 1 bedroom units
Number of 2 BR	Number of 2 bedroom units
Number of 3 BR	Number of 3 bedroom units
Number of 4 or more BR	Number of 4 or more bedroom units
Number of Households Reporting	Number of households reporting
Average Household Size (Persons)	Average household size (persons)



% of Households with Elderly Members	Percent of Households with Members 65 and over
% of Households with Children	Percent of Households with Children under 18
% White (non-Hispanic)	Percent White (non-Hispanic) residents
% Asian (non-Hispanic)	Percent Asian (non-Hispanic) residents
% Black (non-Hispanic)	Percent Black (non-Hispanic) residents
% Hispanic	Percent Hispanic residents
Average Annual Household Income (\$)	Average Annual Household Income of tenants
Income range \$0-\$4,999	Number of households with income in range \$0-\$4,999
Income range \$5,000-\$9,999	Number of households with income in range \$5,000-\$9,999
Income range \$10,000-\$14,999	Number of households with income in range \$10,000-\$14,999
Income range \$15,000-\$19,999	Number of households with income in range \$15,000-\$19,999
Income range \$20,000 and above	Number of households with income in range \$20,000 and above
Average Annual Household Income (% AMI)	Average Annual Household Income as a percent of Area Median Income (% AMI)
Percent Extremely Low-Income (0-30% AMI)	Percent Extremely Low-Income (0-30% AMI)
Percent Very Low-Income (0-50% AMI)	Percent Very Low-Income (0-50% AMI)
MDC - Type of Project	Miami-Dade County - type of project
MDC Assisted Units	Number of assisted units funded by Miami-Dade County
MDC Restriction Period	Miami-Dade County affordability restriction period
MDC Total Amount	Miami-Dade County total funding amount
MDC Surtax Funded	Funded by Miami-Dade County Surtax (yes/no)
MDC Notes	Notes on Miami-Dade County funding
City of Miami Assisted	Number of assisted units funded by the City of Miami
City of Miami Affordability Begins	City of Miami affordability period begin date
City of Miami Affordability Ends	City of Miami affordability period end date
City of Miami Notes	City of Miami notes
Data Source	Original datasets



## Appendix B: American Community Survey Definitions<sup>1</sup>

### I. Housing Characteristics Data Fields

Housing Units	The total number of housing units in the specified area. Table B25002 Occupancy Status.
Occupied Housing Units	Number of occupied housing units
Vacant/seasonally Occupied Units	The number of units that are vacant or seasonally occupied. Table B25002 Occupancy Status.
Percent Vacant Units	The percent of vacant/seasonally occupied units divided by the number of total housing units.
Owner Occupied Units	The number of housing units which are occupied by the unit owner. Table B25003.
Percent Owner Occupied	The number of units occupied by the unit owner divided by the total number of occupied units.
Renter Occupied	The number of units occupied by renters. Table B25003.
Percent Renter Occupied Units	The number of renter occupied units divided by the total number of occupied units. Table B25003.
Owner Occupied Units with Mortgage	The number of owner occupied units which are mortgaged. Table B25081.
Percent Owner Occupied Units with Mortgage	The number of owner occupied units which are mortgaged divided by the total number of owner occupied units.
Median Number of rooms	The median number of rooms per housing unit for all units in the selected area. Table B25017.
Overcrowded	The number of housing units occupied by more than one person per room. Table B25014.
Percent Overcrowded	The number of overcrowded housing units divided by the total number of occupied housing units.
Severely Overcrowded	The number of housing units occupied by more than 1.5 persons per room. Table B25014.
Percent Severely Overcrowded	The number of severely overcrowded housing units divided by the total number of occupied housing units.
Overcrowded Owner Occupied	The number of owner occupied housing units occupied by more than one person per room. Table B25014.
Overcrowded Renter Occupied	The number of renter occupied housing units occupied by more than one person per room. Table B25014.
0 Bedrooms	The number of housing units with 0 bedrooms. Table B25041.
Percent 0 Bedrooms	The number of housing units with 0 bedrooms divided by the total number of housing units.
1 Bedroom	The number of housing units with 1 bedroom. Table B25041.
Percent 1 Bedroom	The number of housing units with 1 bedroom divided by the total number of housing units.
2 Bedrooms	The number of housing units with 2 bedrooms. Table B25041.
Percent 2 Bedrooms	The number of housing units with 2 bedrooms divided by the total

<sup>1</sup> Adapted from the American Community Survey 2012 Subject Definitions.





	number of housing units.
3+ Bedrooms	The number of housing units with 3+ bedrooms. Table B25041.
Percent 3+ Bedrooms	The number of housing units with 3+ bedrooms divided by the total number of housing units.
Lacking Complete Plumbing Facilities	The number of housing units lacking complete plumbing facilities. Table B25047
Lacking Complete Kitchen Facilities	The number of housing units lacking complete kitchen facilities. Table B25051
Median Year Structure Built	The median year that housing structures were built in the selected geographic area. B25035.
Built 2010 or later	The number of housing units built 2010 or later. Table B25035.
Built 2000 to 2009	The number of housing units built between 2000 and 2009. Table B25035.
Built 1990 to 1999	The number of housing units built between 1990 and 1999. Table B25035.
Built 1980 to 1989	The number of housing units built between 1980 and 1989. Table B25035.
Built 1970 to 1979	The number of housing units built between 1970 and 1979. Table B25035.
Built 1960 to 1969	The number of housing units built between 1960 and 1969. Table B25035.
Built 1950 to 1959	The number of housing units built between 1950 and 1959. Table B25035.
Built 1940 to 1949	The number of housing units built between 1940 and 1949. Table B25035.
Built 1939 or earlier	The number of housing units built 1939 or earlier. Table B25035.
Percent built 2000-2012	The number of housing units built between 2000 and 2012 divided by the total number of housing units.
Percent built 1980-1999	The number of housing units built between 1980 and 1999 divided by the total number of housing units.
Percent built 1950-1979	The number of housing units built between 1950 and 1979 divided by the total number of housing units.
Percent built 1949 or earlier	The number of housing units built 1949 or earlier divided by the total number of housing units.
Median monthly housing costs	The median monthly housing costs for both owner and renter occupied units. Table B25105.
Median household income	Median household income in the past 12 months (in 2012 inflation-adjusted dollars). Table B19013.
Median monthly housing cost as a % of household income	The median monthly housing costs for all occupied units as a percent of household income. Table B25105.
Median monthly owner housing costs	The median monthly housing costs for owner occupied units. Costs include: payment for mortgages, real estate taxes, various insurances, utilities, fuels, mobile home costs, and condominium fees. Table B25088.
Median monthly renter housing costs	The median monthly housing costs for renter occupied units. "Gross Rent" includes: The amount of the contract rent plus the estimated



	average monthly cost of utilities (electricity, gas, and water and sewer) and fuels (oil, coal, kerosene, wood, etc.) if these are paid for by the renter (or paid for the renter by someone else). Table B25064.
Median owner household income	Median household income in the past 12 months for owner households. Table B25119.
Median renter household income	Median household income in the past 12 months for renter households. Table B25119.
Median monthly owner costs as a percentage of household income	Median percent of income that households spend on housing costs. Table B25092. Values are top-coded at 0.50 and bottom-coded at 0.10.
Median monthly owner costs as a percentage of household income - with mortgage	Median percent of income that households with a mortgage spend on housing costs. Table B25092. Values are top-coded at 0.50 and bottom-coded at 0.10.
Median monthly owner costs as a percentage of household income - with no mortgage	Median percent of income that households without a mortgage spend on housing costs. Table B25092. Values are top-coded at 0.50 and bottom-coded at 0.10.
Median monthly renter housing costs as a percentage of household income	Median percent of income that renter occupied households spend on housing costs. Table B25071.
Cost burdened owner households (paying more than 30% of income on housing cost)	Number of owner households paying more than 30% of income in housing cost. Table B25106.
Percent of owner households that are cost-burdened	Number of owner households paying more than 30% of income in housing cost divided by total number of owner occupied households.
Cost burdened owner households with a mortgage (paying more than 30% of income on housing cost)	Number of owner households with a mortgage paying more than 30% of income in housing cost. Table DP04.
Percent of owner households with a mortgage that are cost-burdened	Number of owner households with a mortgage paying more than 30% of income in housing cost divided by total number of owner occupied households.
Cost burdened owner households with no mortgage (paying more than 30% of income on housing cost)	Number of owner households with no mortgage paying more than 30% of income in housing cost. Table DP04.
Percent of owner households with no mortgage that are cost-burdened	Number of owner households with no mortgage paying more than 30% of income in housing cost divided by total number of owner occupied households.
Cost burdened renter households (paying more than 30% of income on housing cost)	Number of renter households paying more than 30% of income in housing cost. Table DP04.
Percent of renter households that are cost-burdened	Number of renter households paying more than 30% of income in housing cost divided by total number of owner occupied households.



## II. Demographic Characteristics Data Fields

Population	Total population of the selected area. Table B03002.
Persons living below poverty line	Number of persons with income below the poverty line for the last 12 months. Table B17001.
Percent of persons living below poverty line	Number persons with income below the poverty line for the last 12 months divided by the total population. Table B17001.
Percent Hispanic	Number of persons of any race and Hispanic or Latino origin divided by the total population. Table B03002.
Percent White non-Hispanic	Number of White or Caucasian persons not of Hispanic ethnicity, divided by the total population. Table B03002.
Percent Black non-Hispanic	Number of Black or African American persons not of Hispanic ethnicity, divided by the total population. Table B03002.
Percent Other race	Number of persons of another race or more than one race not of Hispanic ethnicity, divided by the total population. Table B03002.
Number foreign born	Number of persons born outside the U.S. Table B05002.
Percent foreign born	Number of persons who were not U.S. citizens at birth divided by the total population. Table B05002.
Number persons with disabilities	<p>Number of persons who report anyone of the six disability types. Table B18101.</p> <ul style="list-style-type: none"> <li>• Hearing difficulty - deaf or having serious difficulty hearing (DEAR).</li> <li>• Vision difficulty - blind or having serious difficulty seeing, even when wearing glasses (DEYE).</li> <li>• Cognitive difficulty - Because of a physical, mental, or emotional problem, having difficulty remembering, concentrating, or making decisions (DREM).</li> <li>• Ambulatory difficulty - Having serious difficulty walking or climbing stairs (DPHY).</li> <li>• Self-care difficulty - Having difficulty bathing or dressing (DDRS).</li> <li>• Independent living difficulty - Because of a physical, mental, or emotional problem, having difficulty doing errands alone such as visiting a doctor's office or shopping (DOUT).</li> </ul>
Number households with someone 65 years or over	Number of households with at least one member 65 years old or older. Table B11007.
Number of households with someone 18 years or under	Number of households with at least one member 18 years or younger. Table B11005.
Number of limited English speaking households	Number of households in which no one 14 and over speaks English only, or speaks a language other than English at home and speaks English "very well." Table B16002.
Percent of limited English speaking households	Number of households in which no one 14 and over speaks English only, or speaks a language other than English at home and speaks English "very well," divided by total number of households. Table B16002.
Number of households with 3 or	Number of households with 3 or more persons. Table B11016.



more persons	
Number of households with no vehicle	Number of households with no vehicle available. Table B08201.
Percent of households with no vehicle	Number of households with no vehicle available divided by the total number of households. Table B08201.
Number of households with income less than \$15,000 per year	Number of households with income less than \$15,000 in the past 12 months, including wage or salary income; net self-employment income; interest, dividends, or net rental or royalty income or income from estates and trusts; Social Security or Railroad Retirement income; Supplemental Security Income (SSI); public assistance or welfare payments; retirement, survivor, or disability pensions; and all other income (in 2012 inflation-adjusted dollars). Table B19001.
Number of households with income \$15,000 - \$29,000 per year	Number of households with income \$15,000 - \$29,000 in the past 12 months, including wage or salary income; net self-employment income; interest, dividends, or net rental or royalty income or income from estates and trusts; Social Security or Railroad Retirement income; Supplemental Security Income (SSI); public assistance or welfare payments; retirement, survivor, or disability pensions; and all other income (in 2012 inflation-adjusted dollars). Table B19001.
Number of households with income \$30,000 to \$45,000 per year	Number of households with income \$30,000 - \$45,000 in the past 12 months, including wage or salary income; net self-employment income; interest, dividends, or net rental or royalty income or income from estates and trusts; Social Security or Railroad Retirement income; Supplemental Security Income (SSI); public assistance or welfare payments; retirement, survivor, or disability pensions; and all other income (in 2012 inflation-adjusted dollars). Table B19001.
Median household income	Median household income in the past 12 months (in 2012 inflation-adjusted dollars). Table B19013.
Total household income	Sum of household income for all households in the past 12 months in the selected area (in 2012 inflation-adjusted dollars). Table B19025.



**Appendix C: Market Indicators Dataset**

Percent of single-family homes sold 2013-2014	The share of single-family homes in a census tract that were sold at least once between 2013 and 2014. Source: Miami-Dade County Property Appraiser.
Percent of condos sold 2013-2014	The share of condo units in a census tract that were sold at least once between 2013 and 2014. Source: Miami-Dade County Property Appraiser.
Home mortgages as a percent of sales in 2013	The number of home mortgages made in 2013 divided by the number of homes sold in the census tract. Source: HMDA and Miami-Dade County Property Appraiser.
Percent of residences vacant 12 mo. or longer 2013	Percent of residential addresses that had been vacant twelve months or longer in 2013. Source: U.S. HUD and USPS.
Percent of homes foreclosed 2010-2014	The number of foreclosures from 2010 to 2014 divided by the total number of homes in a census tract. Source: Miami-Dade County Clerk of Courts.
Percent of homes with property tax delinquencies 2009-2013	The number of homes with property tax delinquencies 2009 to 2013 divided by the total number of homes in a census tract. Miami-Dade County Tax Collector.



**Appendix D: Section 8 Dataset**

Section 8 Housing Units	Total number of Section 8 housing units
Average Number of Bedrooms	Average number of Section 8 bedrooms
Average Family Size	Average family size of Section 8 household
Average Contract Rent	Average contract rent
Average Monthly Tenant Payment	Average monthly tenant payment
Average Tenant % of Contract Rent	Average percentage of the total tenant payment
Average Total Years in Program	Average total years in the Section 8 program
Percent Units Failing Inspection	Percent of units failing inspection
Percent People in Units Failing Inspection	Percent of people in units failing inspection



**Appendix E: Overtown Parcels Dataset**

Street Address	Street address of property
City	City where property is located
Zip Code	Zip Code where property is located
Owner	Owner last name
Mailing Address Zip Code	Zip Code of owner mailing address
Ownership	Public or private ownership
Land Use	Primary land use categories
DOR-Primary Land Use	DOR code - Primary Land Use code
Zoning	Primary Zoning Code
Bedrooms	Number of bedrooms
Bathrooms	Number of bathrooms
Stories	Number of floors in the building
Living Units	Number of units in the building
Building Square Feet	Building square footage
Lot Size (Sq. ft.)	Lot size in square feet
Lot Size (acres)	Lot size in acres
Year Built	Year structure was built/finished

DOR - Primary Land Use Codes

- 66 - VACANT RESIDENTIAL : EXTRA FEA OTHER THAN PARKING
- 81 - VACANT RESIDENTIAL : VACANT LAND
- 101 - RESIDENTIAL - SINGLE FAMILY : 1 UNIT
- 303 - MULTIFAMILY 10 UNITS PLUS : MULTIFAMILY 3 OR MORE UNITS
- 407 - RESIDENTIAL - TOTAL VALUE : CONDOMINIUM - RESIDENTIAL
- 410 - RESIDENTIAL - TOTAL VALUE : TOWNHOUSE
- 508 - COOPERATIVE - RESIDENTIAL : COOPERATIVE - RESIDENTIAL
- 802 - MULTIFAMILY 2-9 UNITS : 2 LIVING UNITS
- 803 - MULTIFAMILY 2-9 UNITS : MULTIFAMILY 3 OR MORE UNITS
- 1066 - VACANT LAND - COMMERCIAL : EXTRA FEA OTHER THAN PARKING
- 1081 - VACANT LAND - COMMERCIAL : VACANT LAND
- 1111 - STORE : RETAIL OUTLET
- 1209 - MIXED USE-STORE/RESIDENTIAL : MIXED USE - RESIDENTIAL
- 1713 - OFFICE BUILDING - ONE STORY : OFFICE BUILDING
- 1913 - PROFESSIONAL SERVICE BLDG : OFFICE BUILDING
- 1943 - PROFESSIONAL SERVICE BLDG : HEALTH CARE
- 2111 - RESTAURANT OR CAFETERIA : RETAIL OUTLET
- 2512 - REPAIR SHOP/NON AUTOMOTIVE : REPAIRS - NON AUTOMOTIVE
- 2719 - AUTOMOTIVE OR MARINE : AUTOMOTIVE OR MARINE
- 2865 - PARKING LOT/MOBILE HOME PARK : PARKING LOT
- 3215 - ENCLOSED THEATER/AUDITORIUM : ENTERTAINMENT



4066 - VACANT LAND - INDUSTRIAL : EXTRA FEA OTHER THAN PARKING  
4081 - VACANT LAND - INDUSTRIAL : VACANT LAND  
4132 - LIGHT MANUFACTURING : LIGHT MFG & FOOD PROCESSING  
4236 - HEAVY INDUSTRIAL : HEAVY IND OR LUMBER YARD  
4731 - MINERAL PROCESSING : MINERAL PROCESSING  
4837 - WAREHOUSE TERMINAL OR STG : WAREHOUSE OR STORAGE  
7065 - VACANT LAND - INSTITUTIONAL : PARKING LOT  
7144 - RELIGIOUS - EXEMPT : RELIGIOUS  
7241 - EDUCATIONAL/SCIENTIFIC - EX : EDUCATIONAL - PRIVATE  
7503 - CHARITABLE - EXEMPT : MULTIFAMILY 3 OR MORE UNITS  
7742 - BENEVOLENT - EXEMPT : CLUB OR HALL - PRIVATE  
7758 - BENEVOLENT - EXEMPT : YMCA - YWCA  
7950 - LITERARY - EXEMPT : CULTURAL - LITERARY  
8040 - VACANT GOVERNMENTAL : MUNICIPAL  
8047 - VACANT GOVERNMENTAL : DADE COUNTY  
8066 - VACANT GOVERNMENTAL : EXTRA FEA OTHER THAN PARKING  
8080 - VACANT GOVERNMENTAL : VACANT LAND - GOVERNMENTAL  
8081 - VACANT GOVERNMENTAL : VACANT LAND  
8099 - VACANT GOVERNMENTAL : STATE  
8348 - BOARD OF PUBLIC INSTRUCTION : BOARD OF PUBLIC INSTRUCTION  
8647 - COUNTY : DADE COUNTY  
8786 - STATE : TRUSTEE II FUND  
8799 - STATE : STATE OF FLORIDA  
8898 - FEDERAL : FEDERAL  
8940 - MUNICIPAL : MUNICIPAL  
9016 - LEASEHOLD INTEREST: LEASEHOLD INTEREST  
9163 - UTILITY : UTILITY  
9751 - PVT PARK -REC AREA -ROADWAY : COMMON AREA  
9862 - CENTRALLY ASSESSED : RAILROAD ASSESSMENT  
1229 - MIXED USE-STORE/RESIDENTIAL : MIXED USE - COMMERCIAL  
7081 - VACANT LAND - INSTITUTIONAL : VACANT LAND  
8240 - PRIVATE PARK





**Appendix F: Historic Properties Dataset**

Name	Name of site
Address	Address of site
Year Built	Year structure was built/finished
City of Miami Historic Designation	Whether the site has been designated as historic by the City of Miami (Yes/No)
Description	Description of the site
Image	Historic photograph of the site
Citation	Source material for the description



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