New York City Public Use Microdata Areas (PUMAs) for 2010 Census
ESRI Shapefile
Tags
PUMA, Public Use Microdata Area, Census, New York, Manhattan, Queens, Brooklyn, Richmond, Bronx, Kings, Staten Island, New York City, LIONdistricts, Monthly

Summary
These districts were created by the Department of City Planning to aid city agencies in administering public services.

Description

The 2010 NYC Public Use Microdata Areas (PUMAs) are statistical geographic areas defined for the dissemination of Public Use Microdata Sample (PUMS) data. PUMAs have a minimum population of 100,000, are aggregated from census tracts, and approximate Community Districts (CDs), or combinations of CDs (There are 59 CDs and only 55 NYC PUMAs because of such combinations). This geography is also used for disseminating American Community Survey (ACS) estimates. These boundary files are derived from the US Census Bureau's TIGER project and have been geographically modified to fit the New York City base map.

Credits
Department of City Planning.

Use limitations

This dataset is being provided by the Department of City Planning (DCP) on DCP's website for informational purposes only. DCP does not warranty the completeness, accuracy, content, or fitness for any particular purpose or use of the dataset, nor are any such warranties to be implied or inferred with respect to the dataset as furnished on the website. DCP and the City are not liable for any deficiencies in the completeness, accuracy, content, or fitness for any particular purpose or use the dataset, or applications utilizing the dataset,
provided by any third party.

**Extent**

- **West**: -74.257159  
  - **East**: -73.699215  
- **North**: 40.915568  
  - **South**: 40.495992

**Scale Range**

- **Maximum (zoomed in)**: 1:5,000
  - **Minimum (zoomed out)**: 1:150,000,000

**ArcGIS Metadata**

**Topics and Keywords**

- **Themes or categories of the resource**: boundaries
- **Content type**: Downloadable Data
- **Place keywords**: New York, Manhattan, Queens, Brooklyn, Richmond, Bronx, Kings, Staten Island, New York City
- **Theme keywords**: PUMA, Public Use Microdata Areas, Census

**Citation**

- **Title**: New York City Public Use Microdata Areas (PUMAs) for 2010 Census
- **Creation date**: 4/24/2020 9:56:35 AM
- **Publication date**: 5/18/2020 9:56:42 AM
- **Edition**: 20B
- **Presentation formats**: *digital map

**Series**

- **Name**: BYTES of the BIG APPLE
  - **Issue**: 20B

**Responsibility Party**

- **Organization's name**: New York City Department of City Planning
CONTACT'S ROLE originator

RESPONSIBLE PARTY

ORGANIZATION'S NAME New York City Department of City Planning

CONTACT'S ROLE publisher

Resource Details ►

DATASET LANGUAGES English (UNITED STATES)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS completed

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.2.0.3348

CREDITS

Department of City Planning.

ARCGIS ITEM PROPERTIES

* NAME nypuma

LOCATION withheld

* ACCESS PROTOCOL Local Area Network

Extents ►

EXTENT DESCRIPTION

ground condition

EXTENT GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

* EXTENT TYPE Extent used for searching

* WEST LONGITUDE -74.257159

* EAST LONGITUDE -73.699215

* NORTH LATITUDE 40.915568

* SOUTH LATITUDE 40.495992

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 913174.999525

* EAST LONGITUDE 1067382.508423

* SOUTH LATITUDE 120121.779360

* NORTH LATITUDE 272844.294006

* EXTENT CONTAINS THE RESOURCE Yes

Resource Points of Contact ►

POINT OF CONTACT
The data is freely available to all New York City agencies and the public.

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Spatial Reference

**ARCGIS COORDINATE SYSTEM**

* Type: Projected
* Geographic Coordinate Reference: GCS_North_American_1983
* Projection: NAD_1983_StatePlane_New_York_Long_Island_FIPS_3104_Feet
* Coordinate Reference Details
  
  **Projected Coordinate System**
  
  Well-known Identifier: 102718
  
  X Origin: -450359962737.04999
  
  Y Origin: -450359962737.04999
  
  X Scale: 10000
  
  Z Origin: -100000
  
  Z Scale: 10000
  
  M Origin: -100000
  
  M Scale: 10000
  
  XY Tolerance: 0.00020000000000000001
  
  Z Tolerance: 0.001
  
  M Tolerance: 0.001
  
  High Precision: true
  
  Latest Well-known Identifier: 2263
  
  Well-known Text: PROJCS

  "["NAD_1983_StatePlane_New_York_Long_Island_FIPS_3104_Feet",GEOGCS
  
  ["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID
  
  ["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT
  
  ["Degree",0.0174532925199433]],PROJECTING["Lambert_Conformal_Conic"],PARAMETER
  
  ["False_Easting",984250.0],PARAMETER["False_Northing",0.0],PARAMETER
  
  ["Central_Meridian",-74.0],PARAMETER
  
  ["Standard_Parallel_1",40.6666666666666666],PARAMETER
  
  ["Standard_Parallel_2",41.0333333333333333],PARAMETER
  
  ["Latitude_Of_Orientation",40.1666666666666666],UNIT
  
  ["Foot_US",0.3048006096012192],AUTHORITY["EPSG",2263]]"

Reference System Identifier

* Value: 2263
* Codespace: EPSG
* Version: 8.1.1

Spatial Data Properties

**Vector**

* Level of Topology for this Dataset: geometry only

Geometric Objects

Feature Class Name: nypuma

* Object Type: composite
* Object Count: 55
ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME: nypuma
- FEATURE TYPE: Simple
- GEOMETRY TYPE: Polygon
- HAS TOPOLOGY: FALSE
- FEATURE COUNT: 55
- SPATIAL INDEX: TRUE
- LINEAR REFERENCING: FALSE

Data Quality

SCOPE OF QUALITY INFORMATION
- RESOURCE LEVEL: dataset

DATA QUALITY REPORT - COMPLETENESS OMISSION
- MEASURE DESCRIPTION:
  These data are accurate as of the US Census 2010.

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY
- DIMENSION: horizontal
- MEASURE DESCRIPTION:
  The District files are created from the same release version of the Department of City Planning LION file. The LION file is spatially aligned with NYCMap aerial photography.

Distribution

DISTRIBUTOR
- NEW YORK CITY DEPARTMENT OF CITY PLANNING
  - ORGANIZATION'S NAME: New York City Department of City Planning
  - CONTACT'S ROLE: distributor

  ADDRESS
  - TYPE: both
  - DELIVERY POINT: 120 Broadway, 31st Floor
CITY New York
ADMINISTRATIVE AREA New York
POSTAL CODE 10271
COUNTRY US

CONTACT INSTRUCTIONS
Available at the following website: https://www1.nyc.gov/site/planning/data-maps/open-data.page

ORDERING PROCESS
TERMS AND FEES Free

DISTRIBUTION FORMAT
NAME ESRI Shapefile
VERSION Open Specification

TRANSFER OPTIONS
ONLINE SOURCE LOCATION https://www1.nyc.gov/site/planning/data-maps/open-data.page

Fields ▶

DETAILS FOR OBJECT nypuma ▶
* TYPE Feature Class
* ROW COUNT 55

FIELD OBJECTID ▶
* ALIAS OBJECTID
* DATA TYPE OID
* WIDTH 4
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION Internal feature number.

* DESCRIPTION SOURCE Esri

* DESCRIPTION OF VALUES Sequential unique whole numbers that are automatically generated.

FIELD Shape ▶
* ALIAS Shape
* DATA TYPE Geometry
* WIDTH 0
**FIELD PUMA**

**ALIAS** PUMA  
**DATA TYPE** String  
**WIDTH** 4  
**PRECISION** 0  
**SCALE** 0  
**FIELD DESCRIPTION**  
PUMA number.

**FIELD Shape_Length**

**ALIAS** Shape_Length  
**DATA TYPE** Double  
**WIDTH** 8  
**PRECISION** 0  
**SCALE** 0  
**FIELD DESCRIPTION**  
Length of feature in internal units.

**FIELD Shape_Area**

**ALIAS** Shape_Area  
**DATA TYPE** Double  
**WIDTH** 19  
**PRECISION** 0  
**SCALE** 0  
**FIELD DESCRIPTION**  
Area of feature in internal units squared.
DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.
Metadata Maintenance

UPDATE FREQUENCY
quarterly