Metadata format: ISO 19139

Bus Stops, New York NY, Dec 2019

ISO 19139 metadata content
- Resource Identification Information
- Spatial Representation Information
- Reference System Information
- Data Quality Information
- Distribution Information
- Metadata Information

Resource Identification Information

CITATION
TITLE   Bus Stops, New York NY, Dec 2019

PUBLICATION DATE   2019-12-13

EDITION   dec2019
PRESENTATION FORMAT   mapDigital

SERIES
NAME   NYC Mass Transit Spatial Layers

RESPONSIBLE PARTY - POINTOFCONTACT
ORGANIZATION'S NAME   Newman Library, Baruch CUNY
CONTACT'S POSITION   Geospatial Data Librarian

CONTACT INFORMATION
ADDRESS
DELIVERY POINT   151 E 25th St Box H-0520
DELIVERY POINT   Newman Library, Baruch CUNY
CITY   New York
ADMINISTRATIVE AREA   NY
POSTAL CODE   10010
COUNTRY   UNITED STATES

THEMES OR CATEGORIES OF THE RESOURCE   structure, transportation

PLACE KEYWORDS
KEYWORDS   City of New York, 2395220, Borough of Bronx, 978756, Borough of Brooklyn, 978759, Borough of Manhattan, 979190, Borough of Queens, 979404, Borough of Staten Island, 979522

THESAURUS
TITLE   Geographic Names Information Service (GNIS)
ALTERNATE TITLES   ANSI INCITTS 446:2008

PUBLICATION DATE   2008-01-01

PLACE KEYWORDS
KEYWORDS   Bronx County, 36005, Kings County, 36047, New York County, 36061, Queens County, 36081, Richmond County, 36085

THESAURUS
  TITLE   US Census ANSI/FIPS
  ALTERNATE TITLES   ANSI INCITTS 38:2009 (Formerly FIPS 5-2) & ANSI INCITTS 31:2009 (Formerly FIPS 6-4)

  PUBLICATION DATE   2009-01-01

TEMPORAL KEYWORDS
  KEYWORDS   2019

THEME KEYWORDS
  KEYWORDS   Buses, Bus stops, Local transit, Commuting, New York City Transit Authority, Transportation

  THESAURUS
  TITLE   Library of Congress Subject Headings (LCSH)

  PUBLICATION DATE   2015-02-17

DESCRIPTIVE KEYWORDS
  KEYWORDS   Downloadable Data

  THESAURUS   ArcIMS Metadata Service Content Types

ABSTRACT
  This point layer was created from the GTFS data feeds from the Metropolitan Transportation Authority (MTA). It represents the local bus stop locations (individual locations where one or more buses make stops) for the MTA NYC Transit bus routes. A python script was written to take the data files as input and process them to create a spatial layer in the local state plane coordinate reference system. The unique ID is stop_id, a field created by the MTA. This layer was created as part of the NYC Mass Transit Spatial Layers series, and is updated biannually to account for changes in the transit system.
PURPOSE
  This dataset is intended for researchers, policy makers, students, and educators for basic geographic analysis and mapping purposes. It was created by the GIS Lab at the Newman Library at Baruch College CUNY as part of the NYC Mass Transit Spatial Layers series, so that members of the public could have access to well-documented and readily-usable GIS layers of NYC mass transit features.
DATASET LANGUAGE   English
DATASET CHARACTER SET   utf8

STATUS   completed
MAINTENANCE
  UPDATE FREQUENCY   biannually

RESOURCE CONSTRAINTS
  CONSTRAINTS
    LIMITATIONS OF USE
      Disclaimer: Every effort was made to insure that the data, which was compiled from public sources, was processed accurately. The creator, Baruch College, and CUNY disclaim any liability for errors, inaccuracies, or omissions that may be contained therein or for any damages that may arise from the foregoing. Users should independently verify the accuracy of the data for their purposes.The data is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International license CC BY-NC-ND http://creativecommons.org/licenses/by-nc-nd/4.0/ You are free to share the work as long as you cite the source, do not use it for commercial purposes, and do not distribute derivatives of the data.Although this data is being

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RESOURCE CONSTRAINTS
  LEGAL CONSTRAINTS
    ACCESS CONSTRAINTS licenseUnrestricted

    USE CONSTRAINTS license

SPATIAL REPRESENTATION TYPE vector

PROCESSING ENVIRONMENT   Version 6.2 (Build 9200) ; Esri ArcGIS 10.4.1.5686

EXTENT
  EXTENT DESCRIPTION
  City of New York
  GEOGRAPHIC EXTENT
    BOUNDING RECTANGLE
      EXTENT CONTAINS THE RESOURCE   true
      WEST LONGITUDE -74.040963
      EAST LONGITUDE -73.779182
      NORTH LATITUDE 40.762565
      SOUTH LATITUDE 40.572425

  TEMPORAL EXTENT
    BEGINNING DATE 2019-11-12   00:00:00
    ENDING DATE
      INDETERMINATE TIME   unknown

EXTENT
  GEOGRAPHIC EXTENT
    BOUNDING RECTANGLE
      EXTENT CONTAINS THE RESOURCE   true
      WEST LONGITUDE -74.253551
      EAST LONGITUDE -73.700679
      NORTH LATITUDE 40.912418
      SOUTH LATITUDE 40.502872

SUPPLEMENTAL INFORMATION
  The GEOID field contains the ANSI / FIPS state-county code that indicates the location of the feature.
POINT OF CONTACT - POINTOFCONTACT
  ORGANIZATION'S NAME   Newman Library, Baruch CUNY
  CONTACT'S POSITION   Geospatial Data Librarian

  CONTACT INFORMATION
    ADDRESS
      DELIVERY POINT   Newman Library, Baruch CUNY
      DELIVERY POINT   151 E 25th St Box H-0520
      CITY   New York
      ADMINISTRATIVE AREA   NY
      POSTAL CODE   10010

COUNTRY UNITED STATES

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Spatial Representation - Vector

LEVEL OF TOPOLOGY FOR THIS DATASET geometryOnly
GEOMETRIC OBJECTS
  OBJECT TYPE point
  OBJECT COUNT 15045

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Reference System Information

REFERENCE SYSTEM IDENTIFIER
  VALUE 2263

  CODESPACE EPSG
  VERSION 10.2

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Data Quality Information

SCOPE OF QUALITY INFORMATION
  RESOURCE LEVEL dataset

LINEAGE
  LINEAGE STATEMENT
    This point layer was created using the data feeds from the Metropolitan Transportation
    Authority (MTA). The MTA provides text files that contain route information in a General
    Transit Feed Specification (GTFS) format, and are geographically referenced so they are
    able to be plotted. A python script was written to take the text files for each borough as
    input, process them and create a spatial layer for entire New York City. The text files
    used for point geometry creation are 'stops.txt' and they provides geographically
    referenced data for the stops in the form of points. Information from additional files,
    stop_times.txt and trips.txt was joined to the created geomtery based on common field
    to obtain an id of the routes that stop at the bus station. The route id was used to
    separate local bus routes stops from stops for express bus routes. Stops that are shared
    by both local and express busses were duplicated so that they appear in both files.
    Counties from the Census TIGER files were spatially joined to the bus stops, so that every
    bus stop is assigned the state-county ANSI FIPS code (GEOID) to indicate its location.
    Stops for each borough were joined into a single New York City stops layer. The final
    layer was reprojected from NAD 83 to NY State Plane Long Island in feet and saved in a
    shapefile format. The unique ID is stop_id, a field created by the MTA. This layer was
    created as part of the NYC Mass Transit Spatial Layers series, and is updated biannually
    to account for changes in the transit system.
  SOURCE DATA
  LEVEL OF THE SOURCE DATA Metropolitan Transportation Authority

    SOURCE CITATION
      TITLE MTA NYC Transit Stops File

PUBLICATION DATE 2019-11-12

SOURCE DATA
LEVEL OF THE SOURCE DATA US Census 2014 TIGER Line Shapefiles

SOURCE CITATION
TITLE US Census 2014 TIGER Line Shapefiles

PUBLICATION DATE 2014-08-19

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Distribution Information

DISTRIBUTOR
DISTRIBUTOR INFORMATION - POINTOFCONTACT
ORGANIZATION'S NAME Newman Library, Baruch CUNY
CONTACT'S POSITION Geospatial Data Librarian

CONTACT INFORMATION
ADDRESS
DELIVERY POINT Newman Library, Baruch CUNY
DELIVERY POINT 151 E 25th St Box H-0520
CITY New York
ADMINISTRATIVE AREA NY
POSTAL CODE 10010
COUNTRY UNITED STATES

FORMAT
NAME Shapefile
VERSION
NIL REASON missing

TRANSFER OPTIONS
TRANSFER SIZE 0.126

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Metadata Information

LAST UPDATE 2019-12-12
MAINTENANCE
UPDATE FREQUENCY biannually

MAINTENANCE NOTES This metadata record was updated by Frank Donnelly in Dec 2019

METADATA CONSTRAINTS
CONSTRAINTS
LIMITATIONS OF USE
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You are free to share and to adapt the metadata as long as you cite the source and do
not use it for commercial purposes.

METADATA CONSTRAINTS
    LEGAL CONSTRAINTS
        ACCESS CONSTRAINTS licenseUnrestricted

        USE CONSTRAINTS license

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    ORGANIZATION'S NAME Newman Library, Baruch CUNY
    CONTACT'S POSITION Geospatial Data Librarian

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            DELIVERY POINT Newman Library, Baruch CUNY
            CITY New York
            ADMINISTRATIVE AREA NY
            POSTAL CODE 10010
            COUNTRY UNITED STATES

    SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

    METADATA LANGUAGE English
    METADATA CHARACTER SET utf8

    NAME OF THE METADATA STANDARD USED NAP - Metadata
    VERSION OF THE METADATA STANDARD 1.2

    METADATA IDENTIFIER A7CFDF0A-D4E9-423F-82F3-8DCE7DC30775
    URI OF THE DATA DESCRIBED BY THE METADATA
    https://www.baruch.cuny.edu/confluence/display/geoportal/NYC+Mass+Transit+Spatial+Layers

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