Metadata format: ISO 19139

LIRR Routes, New York NY, May 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   LIRR Routes, New York NY, May 2019

PUBLICATION DATE   2019-05-31

EDITION   may2019
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   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

THEMES OR CATEGORIES OF THE RESOURCE   structure, transportation

PLACE KEYWORDS
KEYWORDS   City of New York, 2395220, Borough of Brooklyn, 978759, Borough of Manhattan, 979190, Borough of Queens, 979404, Long Island, 977426

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

PUBLICATION DATE   2008-01-01

PLACE KEYWORDS
KEYWORDS   Kings County, 36047, Nassau County, 36059 New York County, 36061, Queens County, 36081, Suffolk County, 36103

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   Railroad, Local transit, Commuting, New York City Transit Authority, Transportation,
  Long Island Rail Road

  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 line layer was created from the GTFS data feeds from the Metropolitan Transportation
  Authority (MTA) to represent the MTA Long Island Rail Road (LIRR) routes. A python script
  was written to take the data files as input , process them and save them as a spatial layer
  in the local state plane coordinate reference system. Lines in this layer represent individual
  train routes that follow physical track locations; they were generalized from the GTFS
  format where lines depicted individual train services. The unique ID is route_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
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      independently verify the accuracy of the data for their purposes.The data is licensed
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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
   New York Metropolitan Area
   GEOGRAPHIC EXTENT
      BOUNDING RECTANGLE
         EXTENT CONTAINS THE RESOURCE true
         WEST LONGITUDE -73.993104
         EAST LONGITUDE -71.952701
         NORTH LATITUDE 41.111218
         SOUTH LATITUDE 40.572712

   TEMPORAL EXTENT
      BEGINNING DATE 2019-05-20   00:00:00
      ENDING DATE
         INDETERMINATE TIME   unknown

EXTENT
   GEOGRAPHIC EXTENT
      BOUNDING RECTANGLE
         EXTENT CONTAINS THE RESOURCE true
         WEST LONGITUDE -73.993104
         EAST LONGITUDE -71.952701
         NORTH LATITUDE 41.111218
         SOUTH LATITUDE 40.572712

POINT OF CONTACT - 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
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         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 composite
  OBJECT COUNT 12

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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 line 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. Python scripts were written to take the text files as input, process them and save them as a spatial layer. The text file used for line geometry creation is 'shapes.txt' and it provides geographically referenced data for the routes in the form of points. The script creates geometry object out of the individual points provided for the route, and then creates a line geometry object out of the points grouped by the common id of the segment that they belong to. Then it joins created geometry object with data from text files, 'trips.txt' and 'routes.txt', which contain additional relevant information provided by the MTA. Based on common attribute, individual rail services for different times and days of the week, are dissolved to create lines that represented an individual route. Attribute columns that were blank, redundant, or that represented information that was only relevant to specific services and not to individual routes were removed. 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 route_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 Shapes, Trips and Routes Files

    PUBLICATION DATE 2019-05-20

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
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          CITY New York
          ADMINISTRATIVE AREA NY
          POSTAL CODE 10010
          COUNTRY UNITED STATES

FORMAT
   NAME Shapefile
   VERSION
      NIL REASON missing

TRANSFER OPTIONS
   TRANSFER SIZE 0.254

Metadata Information

LAST UPDATE 2019-05-29
MAINTENANCE
   UPDATE FREQUENCY biannually

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

METADATA CONSTRAINTS
   CONSTRAINTS
      LIMITATIONS OF USE
         Metadata for this layer is licensed under a Creative Commons Attribution-
         NonCommercial license CC BY-NC http://creativecommons.org/licenses/by-nc/4.0/.
         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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　　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　2E148E40-D089-4462-84DA-9C0B5030A6A7
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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