Package: nycdcm (via r-universe)

October 9, 2026

Title New York City Digital City Map Elements

Version 0.0.0.9000

Description The NYC Digitial City Map's main DCM layer and Major Streets and Arteries layer.

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Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.3

Depends R (>= 3.5)

Suggests sf (>= 1.0.0), tibble (>= 3.0.0)

LazyData true

LazyDataCompression xz

URL https://github.com/kjhealy/nycdcm

BugReports https://github.com/kjhealy/nycdcm/issues

Repository https://kjhealy.r-universe.dev

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`nyc_dcm_alteration_sf` *NYC Digital City Map: City Map Alterations*

Description

Spatial features representing city map alterations in New York City from the Digital City Map (DCM). These alterations document changes to the city map approved by the City Planning Commission.

Usage

```
nyc_dcm_alteration_sf
```

Format

A simple feature collection with 5,105 features and 19 fields:

boro_code Borough code (single letter: M, X, K, Q, R)

app_num Application number for the map alteration

project_nm Project name associated with the alteration

filed_stat Filed status code

status Current status code of the alteration

effect_dt Effective date of the alteration

bp_num Borough President number

cc_res_num City Council resolution number

zr_update Zoning resolution update indicator (0/1)

cert_date Certification date

chg_type Type of change

altmappdf Filename of the alteration map PDF

altmaplink URL link to the alteration map PDF

sec_sheet Section sheet number

app_rectyp Application record type

map_num Map number

boro_name Full borough name

hyperlnk Alternative hyperlink to documentation

cptype City Planning type code

geometry Multipolygon geometry (NAD83 / New York Long Island ftUS)

Source

NYC Department of City Planning Digital City Map, October 31, 2025

https://www.nyc.gov/site/planning/data-maps/open-data/dwn-digital-city-map.page

`nyc_dcm_arterial_sf` *NYC Digital City Map Arterials and Major Streets*

Description

A spatial dataset containing arterial and major street routes from the New York City Digital City Map (DCM). This layer represents the primary road network designated as arterials and major streets for traffic planning and management.

Usage

```
nyc_dcm_arterial_sf
```

Format

An sf object with 740 features and 7 fields:

borough Character. The borough name (Manhattan, Brooklyn, Queens, Bronx, or Staten Island)

boro_code Integer. Numeric borough code (1=Manhattan, 2=Bronx, 3=Brooklyn, 4=Queens, 5=Staten Island)

route_name Character. The name of the arterial or major street route

route_type Character. Classification of the route type (e.g., "Major Streets")

route_sub Character. Sub-classification of the route (e.g., "Major Street", "Major street to be improved")

route_stat Character. Current status of the route (e.g., "Existing")

geometry sfc_MULTILINESTRING. Spatial geometry representing the arterial or major street

Details

The coordinate reference system is NAD83 / New York Long Island (ftUS), EPSG:2263. This projection uses US survey feet as units.

Arterials and major streets form the backbone of NYC's street network and are important for traffic planning, emergency services routing, and understanding the city's primary transportation corridors.

Source

NYC Department of City Planning, Digital City Map. Downloaded October 31, 2025. https://www.nyc.gov/site/planning/data-maps/open-data.page

Examples

```
## Not run:
library(sf)
library(ggplot2)

# Plot arterial streets by borough
```

```
ggplot(nyc_dcm_arterial_sf) +
  geom_sf(aes(color = borough)) +
  theme_minimal() +
  labs(title = "NYC Arterials and Major Streets")

# Count routes by type
nyc_dcm_arterial_sf |>
  st_drop_geometry() |>
  count(route_type, route_sub)

## End(Not run)
```

---

nyc_dcm_sf *NYC Digital City Map Street Centerlines*

Description

A spatial dataset containing street centerlines from the New York City Digital City Map (DCM). This layer represents the mapped streets, infrastructure, and unmapped streets throughout the five boroughs of New York City.

Usage

```
nyc_dcm_sf
```

Format

An sf object with 67,979 features and 6 fields:

borough Character. The borough name (Manhattan, Brooklyn, Queens, Bronx, or Staten Island)

feat_type Character. Feature type classification (e.g., "Infrastructure", "Unmapped_St")

jurisdicti Character. Jurisdiction information for the street segment

record_st Character. Record status or classification

edit_date Date. Date when the feature was last edited or updated

geometry sfc_MULTILINESTRING. Spatial geometry representing the street centerline

Details

The coordinate reference system is NAD83 / New York Long Island (ftUS), EPSG:2263. This projection uses US survey feet as units.

Source

NYC Department of City Planning, Digital City Map. Downloaded October 31, 2025. https://www.nyc.gov/site/planning/data-maps/open-data.page

Examples

```
## Not run:
library(sf)
library(ggplot2)

# Plot Manhattan streets
manhattan <- nyc_dcm_sf |>
  filter(borough == "Manhattan")

ggplot(manhattan) +
  geom_sf(aes(color = feat_type)) +
  theme_minimal()

## End(Not run)
```

`nyc_dcm_snc_area_sf` *NYC Digital City Map: Street Name Changes Areas*

Description

Spatial features representing area-based street name changes in New York City from the Digital City Map (DCM). These include plaza names, public place names, and intersection names established through local laws.

Usage

```
nyc_dcm_snc_area_sf
```

Format

A simple feature collection with 49 features and 13 fields:

borough Full borough name

feat_type Feature type (e.g., "Public place", "Plaza Name", "Intersection name")

ll_num Local law number

ll_sec Local law section number

ll_type Local law type (e.g., "Renaming", "Initial Naming")

lleffectdt Local law effective date

ll_limits Description of the geographic limits of the name change

limits_er Limits error or correction notes

repealed Whether the local law has been repealed (Yes/No)

repeal_dt Repeal date if applicable

amended Whether the local law has been amended (Yes/No)

amend_dt Amendment date if applicable

amendt_txt Amendment text describing the changes

geometry Polygon geometry (NAD83 / New York Long Island ftUS)

Source

NYC Department of City Planning Digital City Map, October 31, 2025

https://www.nyc.gov/site/planning/data-maps/open-data/dwn-digital-city-map.page

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`nyc_dcm_snc_line_sf` *NYC Digital City Map: Street Name Changes Lines*

Description

Spatial features representing linear street name changes in New York City from the Digital City Map (DCM). These include street renamings and honorary street names established through local laws.

Usage

```
nyc_dcm_snc_line_sf
```

Format

A simple feature collection with 1,145 features and 13 fields:

borough Full borough name

feat_type Feature type (typically "Street name")

ll_num Local law number

ll_sec Local law section number

ll_type Local law type (e.g., "Renaming", "Honorary Name")

lleffectdt Local law effective date

ll_limits Description of the geographic limits of the name change

limits_er Limits error or correction notes

repealed Whether the local law has been repealed (Yes/No)

repeal_dt Repeal date if applicable

amended Whether the local law has been amended (Yes/No)

amend_dt Amendment date if applicable

amendt_txt Amendment text describing the changes

geometry Multilinestring geometry (NAD83 / New York Long Island ftUS)

Source

NYC Department of City Planning Digital City Map, October 31, 2025

https://www.nyc.gov/site/planning/data-maps/open-data/dwn-digital-city-map.page

`nyc_dcm_snc_point_sf` *NYC Digital City Map: Street Name Changes Points*

Description

Spatial features representing point-based street name changes in New York City from the Digital City Map (DCM). These include intersection names and corner names established through local laws.

Usage

```
nyc_dcm_snc_point_sf
```

Format

A simple feature collection with 1,214 features and 13 fields:

borough Full borough name

feat_type Feature type (e.g., "Intersection Name", "Corner Name")

ll_num Local law number

ll_sec Local law section number

ll_type Local law type (typically "Initial Naming")

lleffectdt Local law effective date

ll_limits Description of the location of the name change

limits_er Limits error or correction notes

repealed Whether the local law has been repealed (Yes/No)

repeal_dt Repeal date if applicable

amended Whether the local law has been amended (Yes/No)

amend_dt Amendment date if applicable

amendt_txt Amendment text describing the changes

geometry Point geometry (NAD83 / New York Long Island ftUS)

Source

NYC Department of City Planning Digital City Map, October 31, 2025

https://www.nyc.gov/site/planning/data-maps/open-data/dwn-digital-city-map.page

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