

Description:

Three shapefiles: New York Counties, New York Streets and Address Points for New York.

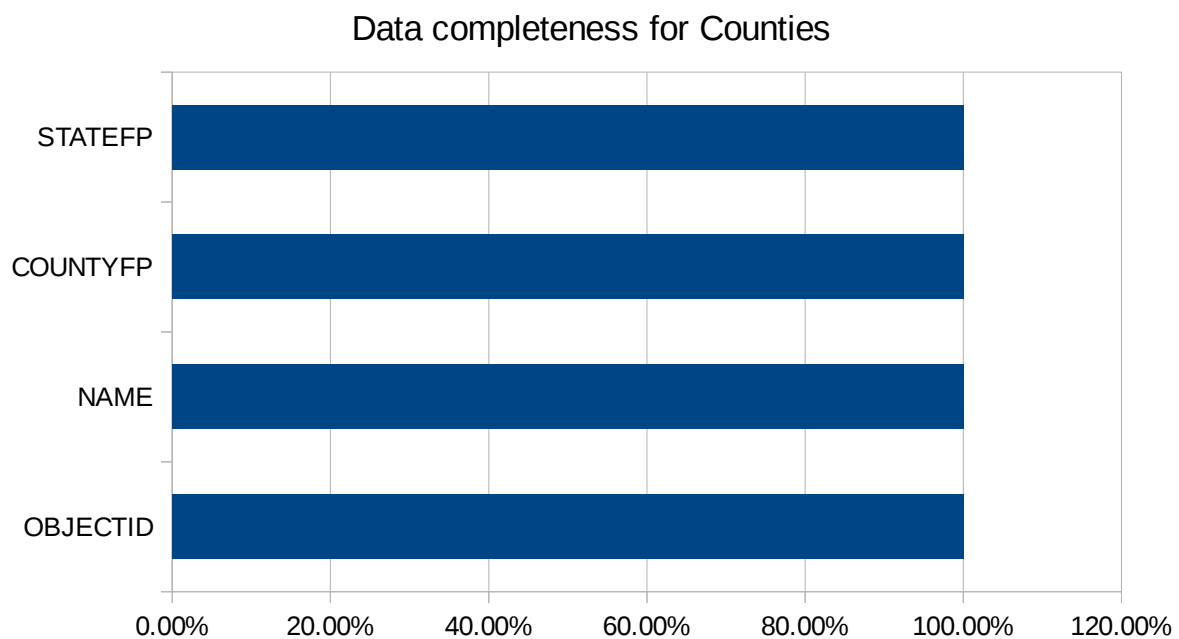
New York Counties

1. Completeness

Total record count: 62.

Important columns that were considered: OBJECTID, NAME, COUNTYFP, STATEFP.

High quality file.



2. Dummy records

TBA

3. Validity checks

Invalid geometry

If an object has SHAPE field equals to null, or has no geometry info besides initial state, or it's bounding rectangle has no geometry info, or it is not simple to process(wrong orientation, self-intersection, open polygon...)

Invalid geometry found: 0 (0%)

Multipart geometry

Multipart polygon features are polygons that contain more than one part or have a hole.

Multipart found: 6 (9.67 %):

Sample check records:

ID	Name
19	Queens - valid
25	Erie - not valid
26	Bronx - valid
61	New York - valid

74 Kings - valid
80 Suffolk - valid

Sample check result: All found records were manually checked and some were valid and some not.

Status: Partially valid

Sliver polygon

The factors that define a sliver polygon are the thinness ratio and the polygon's area. If the polygon is below a specified thinness ratio and value, it is considered a sliver

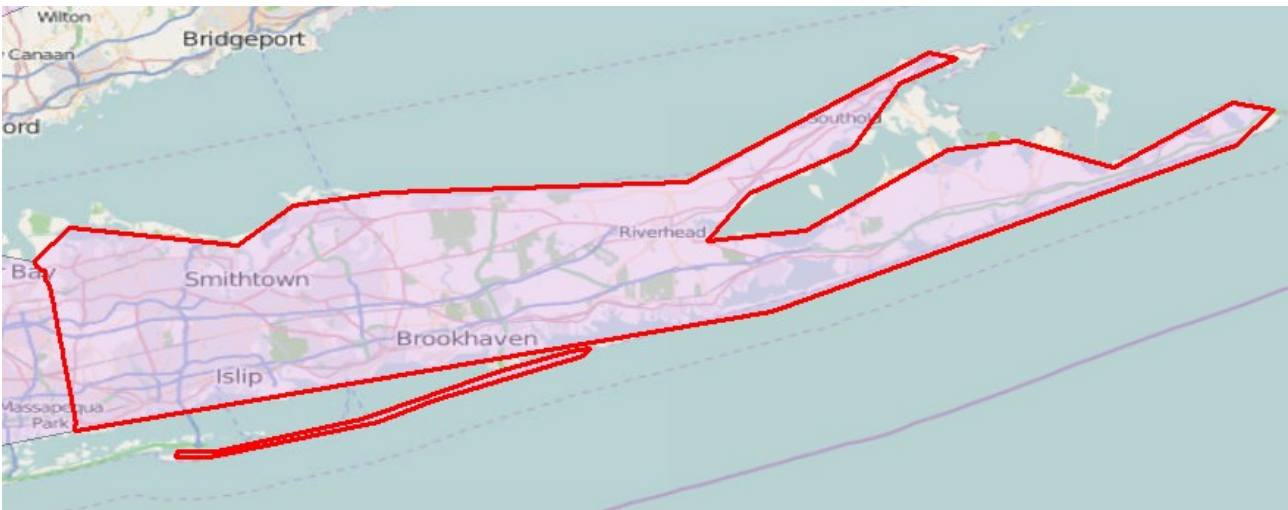
Slivers found; 0 (0%)

4. Visual precision check

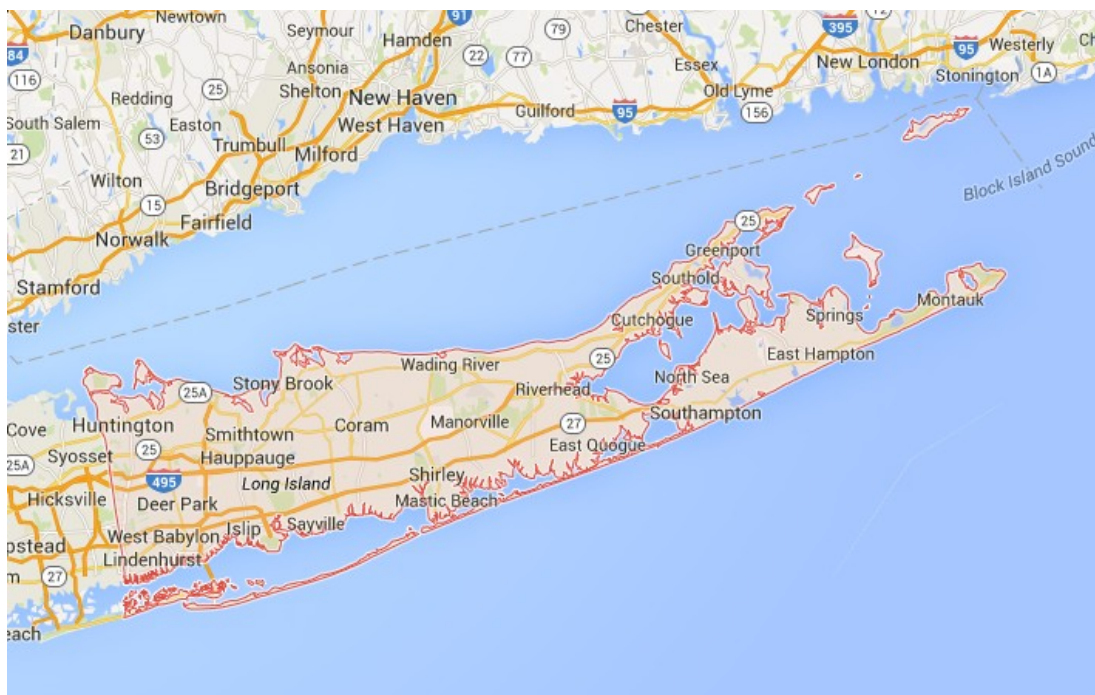
Visual precision quality is low, based on 10% manually checked records.

Examples:

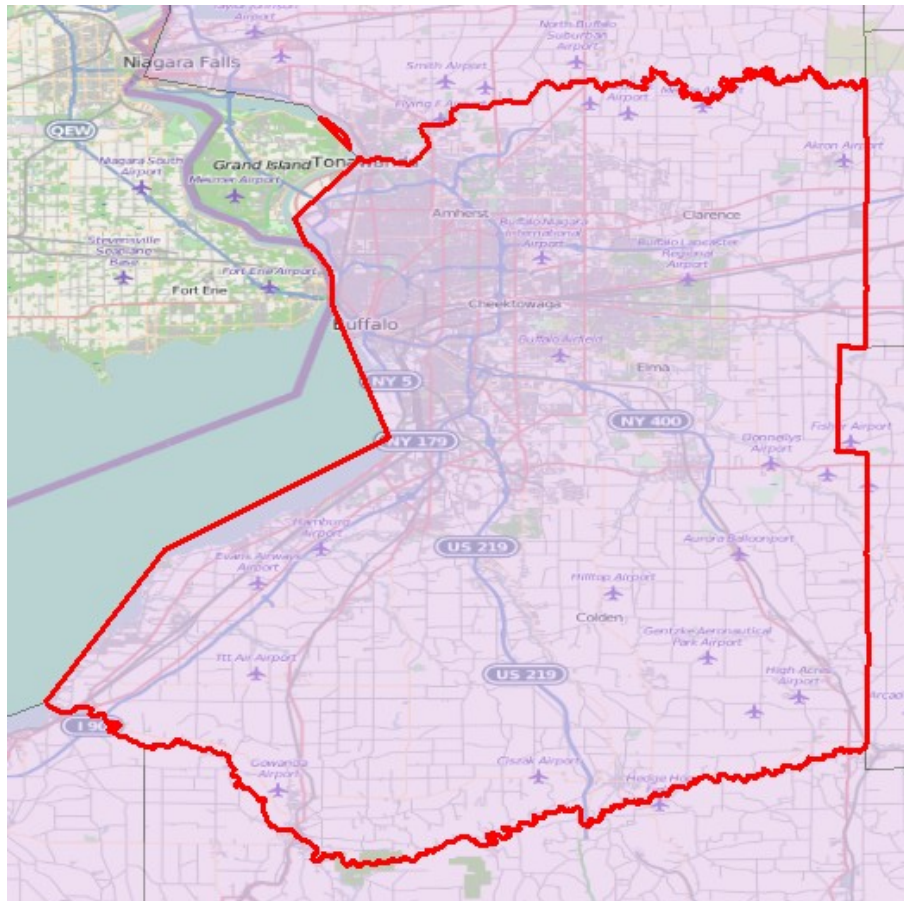
Suffolk County screenshot from shapefile:



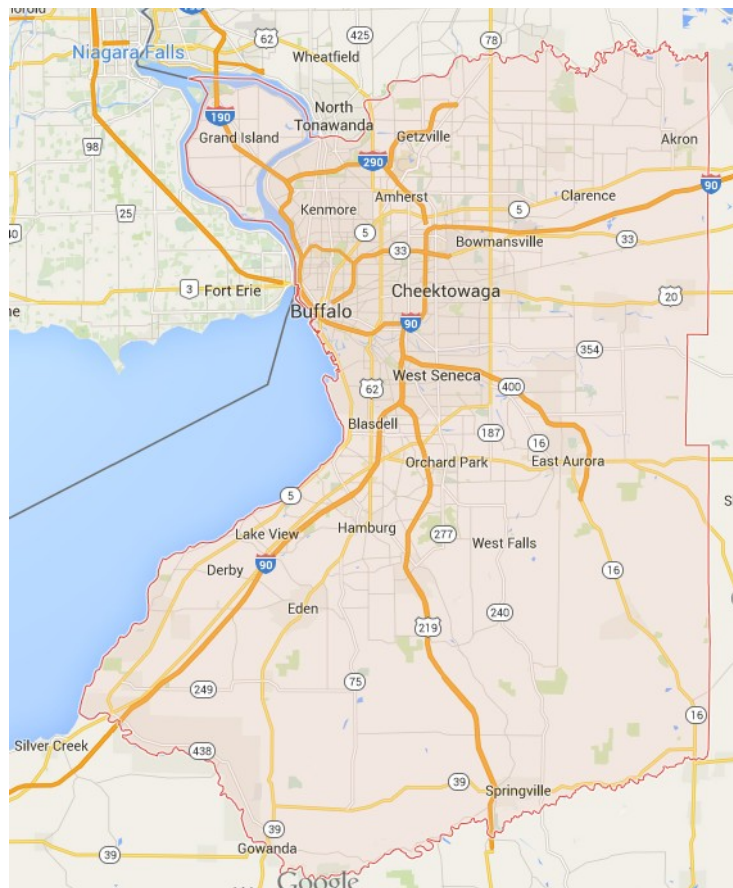
Suffolk County screenshot from Google Maps:



Erie County screenshot from shapefile:



Erie County screenshot from Google Maps:



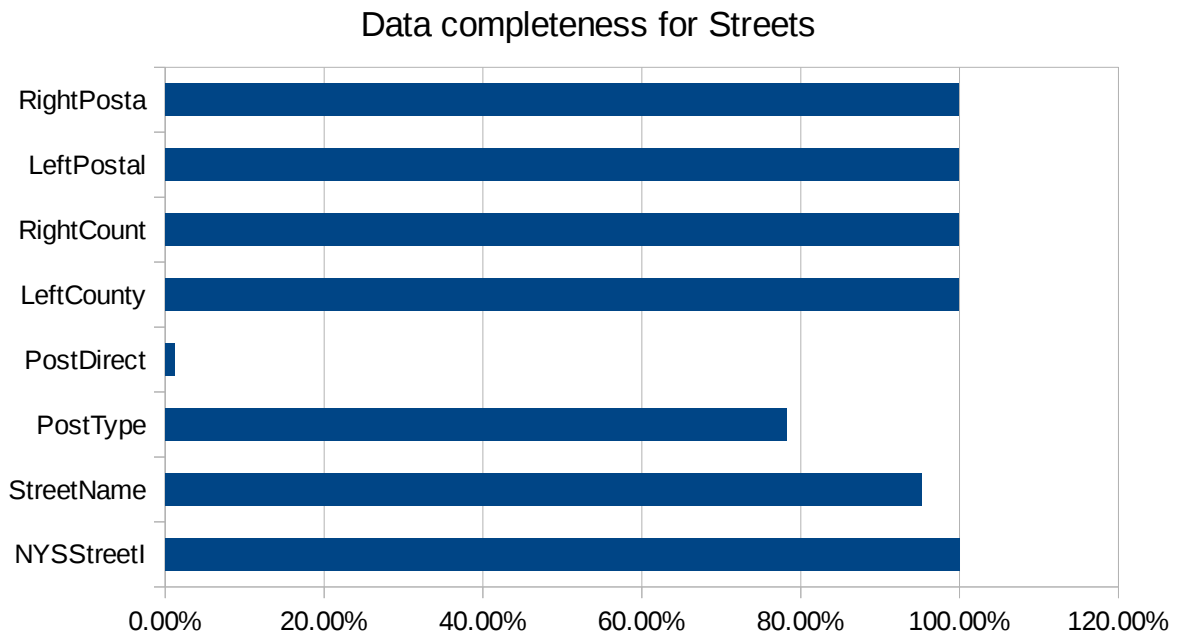
New York Streets:

1. Completeness

Total record count: 1,113,969.

Important columns that were considered: NYSSStreetI, StreetName, PostType, PostDirect, LeftCounty, RightCount, LeftPostal, RightPosta.

Good quality file.



2. Dummy values

TBA

3. Validity checks

Invalid geometry

Invalid found: 0 (0%)

Multipart line

Multipart line features are those that have two or more separate paths

Multipart lines found: 0 (0%)

Polyline or path closes on self

Paths or lines in polyline features that either touch or cross themselves

Closes on self found: 3844 (0.34%):

Sample check records:

NYStreetI	Name
505704945	Tammy Court - valid
505727600	Woodsedge Court - valid

442378820	Cemetery Road - valid
437996177	Heritage Circle - valid
437259549	Carpenter Road - valid
505853650	Hicks Lane - not valid
505886439	Trails End - valid
505893873	Milton Court - valid
505900507	North Island Drive - valid
505850029	Trotter Drive - not valid
505854209	Lower Salem Road - valid

Sample check result: 10 records of all found records were manually checked and some were valid and some not.

Status: Partially valid

Cutbacks (5% tolerance)

Cutbacks are high-angle turns that cause features to turn back toward themselves. These angles affect polyline and polygon features and can be caused during an editing session

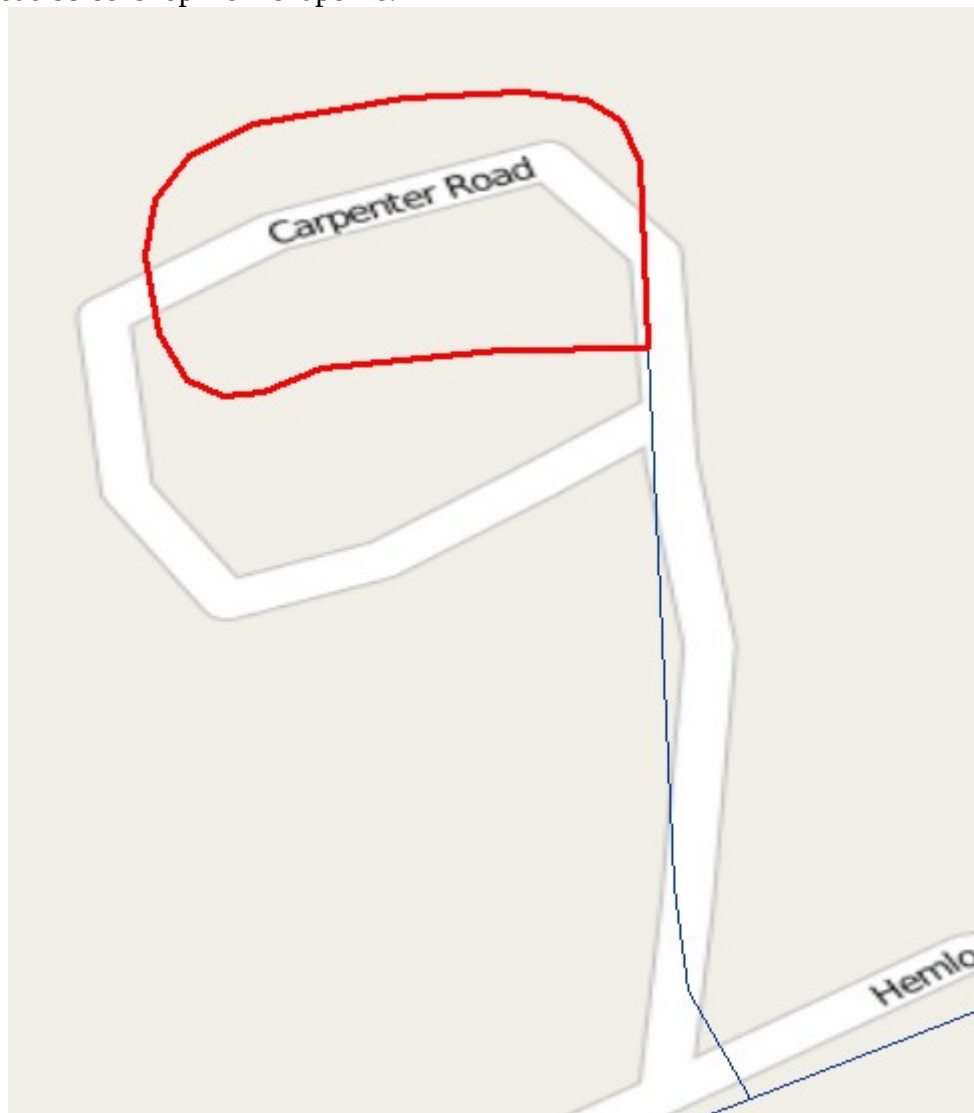
Cutbacks found: 0 (0%)

4. Visual precision check

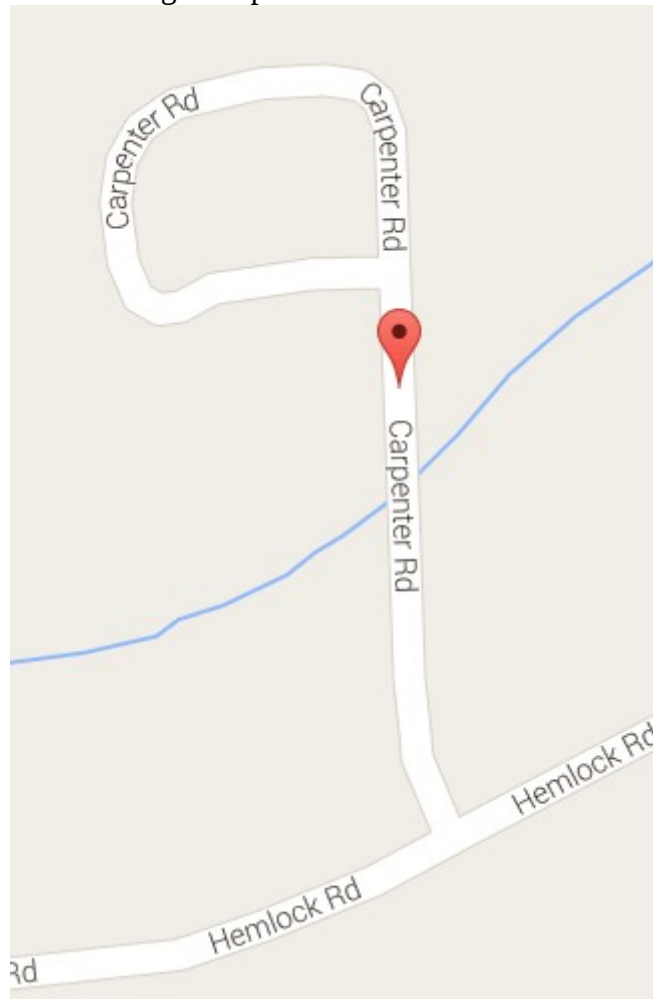
10 manually checked records came out partially invalid.

Examples:

Carpenter road screenshot from shapefile:



Carpenter road screenshot from Google Maps:



Hicks Lane screenshot from shapefile:



Hicks Lane screenshot from Google Maps:



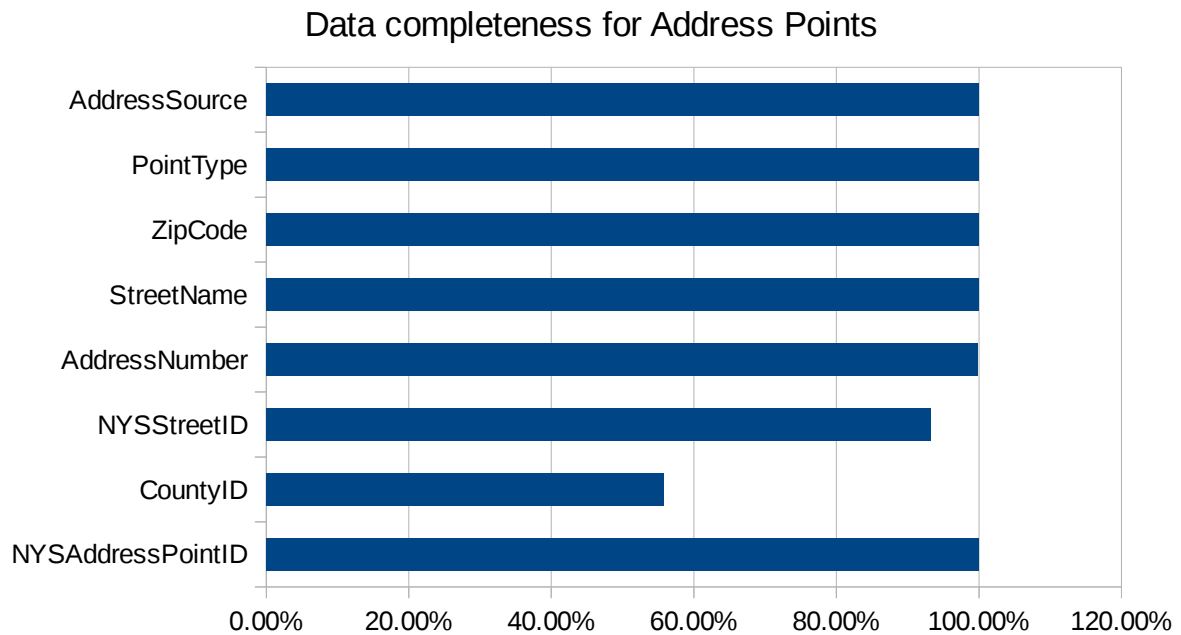
Address Points for New York

1. Completeness

Total record count: 4,229,542.

Important columns that were considered: NYSAAddressPointID, CountyID, NYSSStreetID, AddressNumber, StreetName, ZipCode, PointType, AddressSource

Good quality file.



2. Dummy values

TBA

3. Validity checks

Invalid geometry

Invalid found: 0 (0%)

