

Package ‘tinytiger’

October 24, 2025

Title Lightweight Interface to TIGER/Line Shapefiles

Version 0.0.11

Description Download geographic shapes from the United States Census Bureau TIGER/Line Shapefiles <<https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html>>. Functions support downloading and reading in geographic boundary data. All downloads can be set up with a cache to avoid multiple downloads. Data is available back to 2000 for most geographies.

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Depends R (>= 2.10)

Imports cli, glue, curl, sf

Suggests knitr, rappdirs, rmarkdown, testthat (>= 3.0.0)

Encoding UTF-8

RoxygenNote 7.3.2

LazyData true

URL <https://github.com/alarm-redis/tinytiger>,
<https://alarm-redis.org/tinytiger/>

BugReports <https://github.com/alarm-redis/tinytiger/issues>

Config/testthat/edition 3

VignetteBuilder knitr

NeedsCompilation no

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county_fips_2020	<i>Counties FIPS 2020</i>
------------------	---------------------------

Description

Contains three columns:

- state: state FIPS
- county: county FIPS
- name: county name

Usage

```
data("county_fips_2020")
```

Value

tibble

tt_address_ranges	<i>Download TIGER shapes for Address Ranges</i>
-------------------	---

Description

Download TIGER shapes for Address Ranges

Usage

```
tt_address_ranges(state, county, year = 2025)
```

Arguments

- | | |
|--------|---|
| state | FIPS, postal codes, or full names of states. |
| county | FIPS codes or full names of counties. Optional. |
| year | Integer year. Required. 2000 and 2010-2025 are currently supported. |

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_address_ranges("DE", county = "001")) # downloads slow on CRAN
```

tt_ai_an_nh_areas	<i>Download TIGER shapes for American Indian / Alaska Native / Native Hawaiian Areas</i>
-------------------	--

Description

Download TIGER shapes for American Indian / Alaska Native / Native Hawaiian Areas

Usage

```
tt_ai_an_nh_areas(year = 2025)
```

Arguments

year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_ai_an_nh_areas())
```

tt_anrc	<i>Download TIGER shapes for Alaska Native Regional Corporation (Alaska)</i>
---------	--

Description

Download TIGER shapes for Alaska Native Regional Corporation (Alaska)

Usage

```
tt_anrc(year = 2025)
```

Arguments

year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_anrc()) # downloads slow on CRAN
```

tt_area_landmarks	<i>Download TIGER shapes for Area Landmarks</i>
-------------------	---

Description

Download TIGER shapes for Area Landmarks

Usage

```
tt_area_landmarks(state, year = 2025)
```

Arguments

state	FIPS, postal codes, or full names of states.
year	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors  
try(tt_area_landmarks("DE")) # downloads slow on CRAN
```

tt_area_water	<i>Download TIGER Shapes for Area Water</i>
---------------	---

Description

Download TIGER Shapes for Area Water

Usage

```
tt_area_water(state, county, year = 2025)
```

Arguments

state	FIPS, postal codes, or full names of states.
county	FIPS codes or full names of counties. Optional.
year	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_area_water("DE")) # downloads slow on CRAN
```

tt_blocks	<i>Download TIGER shapes for blocks</i>
-----------	---

Description

Download TIGER shapes for blocks

Usage

```
tt_blocks(state, county, year = 2025)
```

Arguments

- state FIPS, postal codes, or full names of states.
- county FIPS codes or full names of counties. Optional.
- year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_blocks(state = "DE", county = "001"))
```

tt_block_groups	<i>Download TIGER shapes for block groups</i>
-----------------	---

Description

Download TIGER shapes for block groups

Usage

```
tt_block_groups(state, county, year = 2025)
```

Arguments

- state FIPS, postal codes, or full names of states.
- county FIPS codes or full names of counties. Optional.
- year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_block_groups(state = "DE", county = "001")) # downloads slow on CRAN
```

tt_cache_size

Work with the the tinytiger cache

Description

Functions to inspect and clear the cache. If the cache is not enabled, uses a temporary directory.

Usage

```
tt_cache_size()
```

```
tt_cache_clear(force = FALSE)
```

```
tt_cache_path()
```

Arguments

force FALSE by default. Asks the user to confirm if interactive. Does not clear cache if force is FALSE and not interactive.

Value

For `tt_cache_size()`, the size in bytes, invisibly

For `tt_cache_clear()`, the path to the cache, invisibly.

For `tt_cache_path()`, the path to the cache

Examples

```
tt_cache_size()
```

```
tt_cache_clear()
```

```
tt_cache_path()
```

`tt_cbsa`*Download TIGER shapes for Core Based Statistical Areas*

Description

Download TIGER shapes for Core Based Statistical Areas

Usage

```
tt_cbsa(year = 2021)
```

Arguments

`year` Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# takes > 5 seconds
# Wrapped in try due to false positive 304 errors
try(tt_cbsa()) # downloads slow on CRAN
```

`tt_coastline`*Download TIGER shapes for Coastlines*

Description

Download TIGER shapes for Coastlines

Usage

```
tt_coastline(year = 2025)
```

Arguments

`year` Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# takes > 5 seconds
# Wrapped in try due to false positive 304 errors
try(tt_coastline()) # downloads slow on CRAN
```

`tt_congressional_districts`*Download TIGER shapes for congressional districts*

Description

Download TIGER shapes for congressional districts

Usage

```
tt_congressional_districts(state, year = 2025)
```

Arguments

state	FIPS, postal codes, or full names of states.
year	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# takes > 5 seconds
# Wrapped in try due to false positive 304 errors
try(tt_congressional_districts()) # downloads slow on CRAN
```

`tt_consolidated_cities`*Download TIGER shapes for Public Use Microdata Areas*

Description

Download TIGER shapes for Public Use Microdata Areas

Usage

```
tt_consolidated_cities(state, year = 2025)
```

Arguments

state FIPS, postal codes, or full names of states.
 year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_consolidated_cities("CT")) # downloads slow on CRAN
```

tt_counties	<i>Download TIGER shapes for counties</i>
-------------	---

Description

Download TIGER shapes for counties

Usage

```
tt_counties(state, year = 2025)
```

Arguments

state FIPS, postal codes, or full names of states.
 year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# takes > 5 seconds
# Wrapped in try due to false positive 304 errors
try(tt_counties(state = "DE")) # downloads slow on CRAN
```

`tt_county_subdivisions`*Download TIGER shapes for County Subdivisions*

Description

Download TIGER shapes for County Subdivisions

Usage

```
tt_county_subdivisions(state, year = 2025)
```

Arguments

<code>state</code>	FIPS, postal codes, or full names of states.
<code>year</code>	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors  
try(tt_county_subdivisions("DE")) # downloads slow on CRAN
```

`tt_csa`*Download TIGER shapes for Combined Statistical Area*

Description

Download TIGER shapes for Combined Statistical Area

Usage

```
tt_csa(year = 2021)
```

Arguments

<code>year</code>	Integer year. Required. 2000 and 2010-2025 are currently supported.
-------------------	---

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_csa())
```

```
tt_elementary_school_districts
```

Download TIGER shapes for Elementary School Districts

Description

Download TIGER shapes for Elementary School Districts

Usage

```
tt_elementary_school_districts(state, year = 2025)
```

Arguments

state	FIPS, postal codes, or full names of states.
year	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_elementary_school_districts("AZ")) # downloads slow on CRAN
```

```
tt_estates
```

Download TIGER shapes for Estates (US Virgin Islands)

Description

Download TIGER shapes for Estates (US Virgin Islands)

Usage

```
tt_estates(year = 2025)
```

Arguments

year	Integer year. Required. 2000 and 2010-2025 are currently supported.
------	---

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors  
try(tt_estates()) # downloads slow on CRAN
```

tt_linear_water	<i>Download TIGER Shapes for Linear Water</i>
-----------------	---

Description

Download TIGER Shapes for Linear Water

Usage

```
tt_linear_water(state, county, year = 2025)
```

Arguments

state	FIPS, postal codes, or full names of states.
county	FIPS codes or full names of counties. Optional.
year	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors  
try(tt_linear_water("DE")) # downloads slow on CRAN
```

`tt_metropolitan_divisions`*Download TIGER shapes for Metropolitan Divisions*

Description

Download TIGER shapes for Metropolitan Divisions

Usage

```
tt_metropolitan_divisions(year = 2021)
```

Arguments

`year` Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors  
try(tt_metropolitan_divisions()) # downloads slow on CRAN
```

`tt_military`*Download TIGER shapes for Military Installations*

Description

Download TIGER shapes for Military Installations

Usage

```
tt_military(year = 2025)
```

Arguments

`year` Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors  
try(tt_military()) # downloads slow on CRAN
```

tt_new_england_cities *Download TIGER shapes for New England City and Town Area*

Description

Download TIGER shapes for New England City and Town Area

Usage

```
tt_new_england_cities(year = 2025)
```

Arguments

year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_new_england_cities()) # downloads slow on CRAN
```

tt_new_england_city_divisions
 Download TIGER shapes for New England City and Town Area Divi-
 sions

Description

Download TIGER shapes for New England City and Town Area Divisions

Usage

```
tt_new_england_city_divisions(year = 2021)
```

Arguments

year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_new_england_city_divisions()) # downloads slow on CRAN
```

```
tt_new_england_combined_areas
```

Download TIGER shapes for New England Combined City and Town Areas

Description

Download TIGER shapes for New England Combined City and Town Areas

Usage

```
tt_new_england_combined_areas(year = 2021)
```

Arguments

year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors  
try(tt_new_england_combined_areas()) # downloads slow on CRAN
```

```
tt_places
```

Download TIGER shapes for Places

Description

Download TIGER shapes for Places

Usage

```
tt_places(state, year = 2025)
```

Arguments

state FIPS, postal codes, or full names of states.

year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors  
try(tt_places("DE")) # downloads slow on CRAN
```

tt_point_landmarks	<i>Download TIGER shapes for Point Landmarks</i>
--------------------	--

Description

Download TIGER shapes for Point Landmarks

Usage

```
tt_point_landmarks(state, year = 2025)
```

Arguments

state	FIPS, postal codes, or full names of states.
year	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors  
try(tt_point_landmarks("DE")) # downloads slow on CRAN
```

tt_polygon_edges	<i>Download TIGER shapes for Polygon Edges</i>
------------------	--

Description

Download TIGER shapes for Polygon Edges

Usage

```
tt_polygon_edges(state, county, year = 2025)
```

Arguments

state	FIPS, postal codes, or full names of states.
county	FIPS codes or full names of counties. Optional.
year	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_polygon_edges("DE", county = "001")) # downloads slow on CRAN
```

tt_polygon_faces	<i>Download TIGER shapes for Polygon Faces</i>
------------------	--

Description

Download TIGER shapes for Polygon Faces

Usage

```
tt_polygon_faces(state, county, year = 2025)
```

Arguments

- state FIPS, postal codes, or full names of states.
- county FIPS codes or full names of counties. Optional.
- year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_polygon_faces("DE", county = "001")) # downloads slow on CRAN
```

tt_primary_roads	<i>Download TIGER shapes for Primary Roads</i>
------------------	--

Description

Download TIGER shapes for Primary Roads

Usage

```
tt_primary_roads(year = 2025)
```

Arguments

year	Integer year. Required. 2000 and 2010-2025 are currently supported.
------	---

Value

sf data.frame

Examples

```
# takes > 5 seconds  
# Wrapped in try due to false positive 304 errors  
try(tt_primary_roads()) # downloads slow on CRAN
```

tt_primary_secondary_roads	<i>Download TIGER shapes for Primary and Secondary Roads</i>
----------------------------	--

Description

Download TIGER shapes for Primary and Secondary Roads

Usage

```
tt_primary_secondary_roads(state, year = 2025)
```

Arguments

state	FIPS, postal codes, or full names of states.
year	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_primary_secondary_roads("DE")) # downloads slow on CRAN
```

tt_puma

Download TIGER shapes for Public Use Microdata Areas

Description

Download TIGER shapes for Public Use Microdata Areas

Usage

```
tt_puma(state, year = 2025)
```

Arguments

state FIPS, postal codes, or full names of states.
year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_puma("DE")) # downloads slow on CRAN
```

tt_rails

Download TIGER shapes for Rails

Description

Download TIGER shapes for Rails

Usage

```
tt_rails(year = 2025)
```

Arguments

year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# takes > 5 seconds
# Wrapped in try due to false positive 304 errors
try(tt_rails()) # downloads slow on CRAN
```

tt_roads	<i>Download TIGER shapes for Roads</i>
----------	--

Description

Download TIGER shapes for Roads

Usage

```
tt_roads(state, county, year = 2025)
```

Arguments

state	FIPS, postal codes, or full names of states.
county	FIPS codes or full names of counties. Optional.
year	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_roads("DE")) # downloads slow on CRAN
```

tt_secondary_school_districts	<i>Download TIGER shapes for Secondary School Districts</i>
-------------------------------	---

Description

Download TIGER shapes for Secondary School Districts

Usage

```
tt_secondary_school_districts(state, year = 2025)
```

Arguments

state	FIPS, postal codes, or full names of states.
year	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_secondary_school_districts("AZ")) # downloads slow on CRAN
```

tt_states

Download TIGER shapes for states

Description

Download TIGER shapes for states

Usage

```
tt_states(year = 2025)
```

Arguments

year	Integer year. Required. 2000 and 2010-2025 are currently supported.
------	---

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_states())
```

tt_state_leg_lower	<i>Download TIGER shapes for lower state legislative districts</i>
--------------------	--

Description

Download TIGER shapes for lower state legislative districts

Usage

```
tt_state_leg_lower(state, year = 2025)
```

Arguments

state	FIPS, postal codes, or full names of states.
year	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors  
try(tt_state_leg_lower("DE")) # downloads slow on CRAN
```

tt_state_leg_upper	<i>Download TIGER shapes for upper state legislative districts</i>
--------------------	--

Description

Download TIGER shapes for upper state legislative districts

Usage

```
tt_state_leg_upper(state, year = 2025)
```

Arguments

state	FIPS, postal codes, or full names of states.
year	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_state_leg_lower("DE")) # downloads slow on CRAN
```

tt_subbarrios	<i>Download TIGER shapes for Subbarrios (Puerto Rico)</i>
---------------	---

Description

Download TIGER shapes for Subbarrios (Puerto Rico)

Usage

```
tt_subbarrios(year = 2025)
```

Arguments

year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_subbarrios()) # downloads slow on CRAN
```

tt_tracts	<i>Download TIGER shapes for tracts</i>
-----------	---

Description

Download TIGER shapes for tracts

Usage

```
tt_tracts(state, county, year = 2025)
```

Arguments

state FIPS, postal codes, or full names of states.
county FIPS codes or full names of counties. Optional.
year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors  
try(tt_tracts(state = "DE", county = "001")) # downloads slow on CRAN
```

```
tt_tribal_block_groups
```

Download TIGER shapes for Tribal Block Groups

Description

Download TIGER shapes for Tribal Block Groups

Usage

```
tt_tribal_block_groups(year = 2025)
```

Arguments

year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors  
try(tt_tribal_block_groups())
```

```
tt_tribal_subdivisions
```

Download TIGER shapes for American Indian Tribal Subdivision National

Description

Download TIGER shapes for American Indian Tribal Subdivision National

Usage

```
tt_tribal_subdivisions(year = 2025)
```

Arguments

year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_tribal_subdivisions())
```

tt_tribal_tracts	<i>Download TIGER shapes for Tribal Tracts</i>
------------------	--

Description

Download TIGER shapes for Tribal Tracts

Usage

```
tt_tribal_tracts(year = 2025)
```

Arguments

year Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_tribal_tracts())
```

tt_uac	<i>Download TIGER shapes for Urban Area</i>
--------	---

Description

Download TIGER shapes for Urban Area

Usage

```
tt_uac(year = 2025)
```

Arguments

year	Integer year. Required. 2000 and 2010-2025 are currently supported.
------	---

Value

sf data.frame

Examples

```
# takes > 5 seconds  
# Wrapped in try due to false positive 304 errors  
try(tt_uac()) # downloads slow on CRAN
```

tt_unified_school_districts	<i>Download TIGER shapes for Unified School Districts</i>
-----------------------------	---

Description

Download TIGER shapes for Unified School Districts

Usage

```
tt_unified_school_districts(state, year = 2025)
```

Arguments

state	FIPS, postal codes, or full names of states.
year	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_unified_school_districts("DE")) # downloads slow on CRAN
```

tt_voting_districts	<i>Download TIGER shapes for Voting Districts</i>
---------------------	---

Description

Download TIGER shapes for Voting Districts

Usage

```
tt_voting_districts(state, county, year = 2025)
```

Arguments

state	FIPS, postal codes, or full names of states.
county	FIPS codes or full names of counties. Optional.
year	Integer year. Required. 2000 and 2010-2025 are currently supported.

Value

sf data.frame

Examples

```
# Wrapped in try due to false positive 304 errors
try(tt_voting_districts("DE", county = "001")) # downloads slow on CRAN
```

tt_zcta	<i>Download TIGER shapes for Zip Code Tabulation Areas</i>
---------	--

Description

Download TIGER shapes for Zip Code Tabulation Areas

Usage

```
tt_zcta(year = 2025)
```

Arguments

year	Integer year. Required. 2000 and 2010-2025 are currently supported.
------	---

tt_zcta

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Value

sf data.frame

Examples

```
# takes > 5 seconds  
# Wrapped in try due to false positive 304 errors  
try(tt_zcta()) # downloads slow on CRAN
```

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