

Package: maposm (via r-universe)

February 3, 2025

Type Package

Title Get City Map Layers from OpenStreetMap

Version 0.1.0

Description Download various OpenStreetMap features to create city map layers.

License GPL-3

Depends R (>= 3.6.0)

Imports sf, tictoc, osmdata

Suggests mapsf

Encoding UTF-8

RoxygenNote 7.3.2

Language en-US

Config/pak/sysreqs libgdal-dev gdal-bin libgeos-dev libicu-dev
libxml2-dev libssl-dev libproj-dev libsqlite3-dev
libudunits2-dev

Repository <https://riatelab.r-universe.dev>

RemoteUrl <https://github.com/riatelab/maposm>

RemoteRef HEAD

RemoteSha 818acdaa9e753bf1334bd5272417a7c6ff48ee2c

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`get_city`*Get City Map Layers*

Description

Download various OpenStreetMap features to create city map layers.

Usage

```
get_city(x, r = 1000, verbose = TRUE)
```

Arguments

<code>x</code>	city center coordinates
<code>r</code>	radi of the extraction
<code>verbose</code>	output messages

Value

A list of layers is returned.

Examples

```
## Not run:
bb1 <- osmdata::getbb("Gare Matabiau, 31000 TOULOUSE, France")
lon <- mean(bb1[1, ])
lat <- mean(bb1[2, ])
res <- get_city(c(lon, lat), dist = 700)
if (require("mapsf")){
  mf_map(res$circle, col = "#f2efe9", border = NA, add = FALSE)
  mf_map(res$green, col = "#c8facc", border = "#c8facc", lwd = .5, add = TRUE)
  mf_map(res$water, col = "#aad3df", border = "#aad3df", lwd = .5, add = TRUE)
  mf_map(res$railway, col = "grey50", lty = 2, lwd = .2, add = TRUE)
  mf_map(res$road, col = "white", border = "white", lwd = .5, add = TRUE)
  mf_map(res$street, col = "white", border = "white", lwd = .5, add = TRUE)
  mf_map(res$building, col = "#d9d0c9", border = "#c6bab1", lwd = .5, add = TRUE)
  mf_map(res$circle, col = NA, border = "#c6bab1", lwd = 4, add = TRUE)
}

## End(Not run)
```

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