Discrete: A marceloprates / prettymaps (Public)

A small set of Python functions to draw pretty maps from OpenStreetMap data. Based on osmnx, matplotlib and shapely libraries.

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A minimal Python library to draw customized maps from OpenStreetMap created using the osmnx, matplotlib, shapely and vsketch libraries.

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- Please keep the printed message on the figures crediting my repository and OpenStreetMap (mandatory by their license).
- I am personally **against** NFTs for their environmental impact, the fact that they're a giant money-laundering pyramid scheme and the structural incentives they create for theft in the open source and generative art communities.

- I do not authorize in any way this project to be used for selling NFTs, although I cannot legally enforce it. Respect the creator.
- The AeternaCivitas and geoartnft projects have used this work to sell NFTs and refused to credit it. See how they reacted after being exposed: AeternaCivitas, geoartnft.
- I have closed my other generative art projects on Github and won't be sharing new ones as open source to protect me from the NFT community.

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Read the docs

Prettymaps subreddit

Google Colaboratory Demo

Install with

\$ pip install prettymaps

Control Usage example (For more examples, see this Jupyter Notebook):

```
# Init matplotlib figure
fig, ax = plt.subplots(figsize = (12, 12), constrained_layout = True)
backup = plot(
   # Address:
    'Praça Ferreira do Amaral, Macau',
   # Plot geometries in a circle of radius:
    radius = 1100,
   # Matplotlib axis
    ax = ax,
    # Which OpenStreetMap layers to plot and their parameters:
    layers = {
            # Perimeter (in this case, a circle)
            'perimeter': {},
            # Streets and their widths
            'streets': {
                'width': {
                    'motorway': 5,
                    'trunk': 5,
                    'primary': 4.5,
                    'secondary': 4,
                    'tertiary': 3.5,
                    'residential': 3,
                    'service': 2,
                    'unclassified': 2,
                    'pedestrian': 2,
                    'footway': 1,
                }
            },
            # Other layers:
                Specify a name (for example, 'building') and which OpenStreet
            #
            'building': {'tags': {'building': True, 'landuse': 'construction'
            'water': {'tags': {'natural': ['water', 'bay']}},
            'green': {'tags': {'landuse': 'grass', 'natural': ['island', 'woo
            'forest': {'tags': {'landuse': 'forest'}},
            'parking': {'tags': {'amenity': 'parking', 'highway': 'pedestrian
        },
        # drawing_kwargs:
            Reference a name previously defined in the 'layers' argument and
        #
        drawing_kwargs = {
            'background': {'fc': '#F2F4CB', 'ec': '#dadbc1', 'hatch': 'ooo...
            'perimeter': {'fc': '#F2F4CB', 'ec': '#dadbc1', 'lw': 0, 'hatch':
            'green': {'fc': '#D0F1BF', 'ec': '#2F3737', 'lw': 1, 'zorder': 1}
            'forest': {'fc': '#64B96A', 'ec': '#2F3737', 'lw': 1, 'zorder': 1
            'water': {'fc': '#a1e3ff', 'ec': '#2F3737', 'hatch': 'ooo...', 'h
            'parking': {'fc': '#F2F4CB', 'ec': '#2F3737', 'lw': 1, 'zorder':
            'streets': {'fc': '#2F3737', 'ec': '#475657', 'alpha': 1, 'lw': 0
            'building': {'palette': ['#FFC857', '#E9724C', '#C5283D'], 'ec':
```



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Languages

• Jupyter Notebook 99.9% • Other 0.1%