00b_geo_libs

February 4, 2019

1 Python libraries for Geographic Data Science

```
In [1]: from IPython.display import IFrame, HTML, Image
```

1.1 geopandas

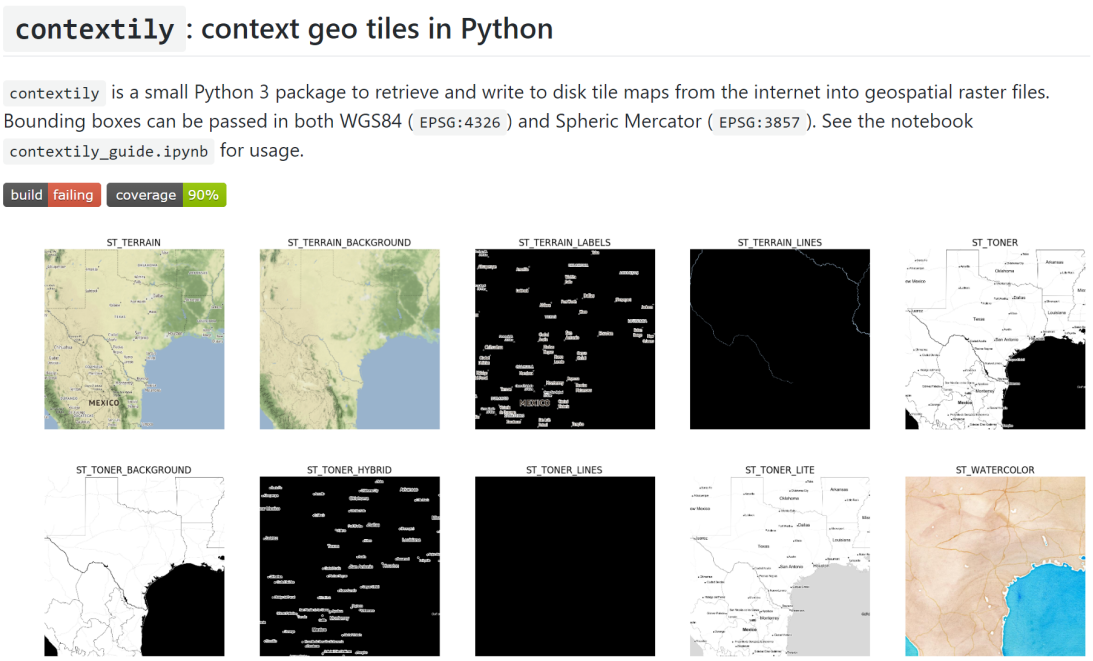
```
In [2]: IFrame('http://geopandas.org/', 750, 400)
```

```
Out[2]: <IPython.lib.display.IFrame at 0x7f17916c54e0>
```

1.2 contextily

```
In [3]: Image('../figs/ctx.png', width=750)
```

```
Out[3]:
```



1.3 PySAL

```
In [4]: IFrame('http://pysal.org/', 750, 400)
```

```
Out[4]: <IPython.lib.display.IFrame at 0x7f1790e664a8>
```

```
In [5]: blurb = """
                <blockquote class="twitter-tweet" data-lang="en"><p lang="en" dir="ltr">Here&#39
                    <a href="https://twitter.com/hashtag/PySAL?src=hash&amp;ref_src=twsrc%5Etfw"
                    Let me give you a quick run down of how we&#39;ve split the monolithic packa
                    federation of smaller, more focused libraries (2.X model).
                    [Thread to follow] <a href="https://t.co/16vlfzZK5c">pic.twitter.com/16vlfzZ
                    Dani Arribas-Bel (@darribas)
                    <a href="https://twitter.com/darribas/status/1090916871791087618?ref_src=tws
                <script async src="https://platform.twitter.com/widgets.js" charset="utf-8"></sc
                """
        HTML(blurb)
```

```
Out[5]: <IPython.core.display.HTML object>
```

1.4 rasterio

```
In [6]: IFrame('https://rasterio.readthedocs.io/en/latest/', 750, 400)
```

```
Out[6]: <IPython.lib.display.IFrame at 0x7f1790e66710>
```

1.5 osmnx

```
In [7]: IFrame('https://osmnx.readthedocs.io/en/stable/', 750, 400)
```

```
Out[7]: <IPython.lib.display.IFrame at 0x7f1790e668d0>
```

1.6 sklearn

```
In [9]: IFrame('https://sklearn.org/', 750, 400)
```

```
Out[9]: <IPython.lib.display.IFrame at 0x7f1790e66ac8>
```