Quarto Tables in PDF

Markdown tables

Common Name	Latin Name	First identified in
Adélie	Pygoscelis adeliae	1841
Chinstrap	Pygoscelis antarcticus	1781
Gentoo	Pygoscelis papua	1781

Tables of data

```
from palmerpenguins import load_penguins
import pandas as pd
import numpy as np

penguins = load_penguins()
penguins_cleaned = penguins.dropna()
penguins_cleaned
```

	species	island	bill_length_mm	bill_depth_mm	flipper_length_mm	body_mass_g	sex
0	Adelie	Torgersen	39.1	18.7	181.0	3750.0	ma
1	Adelie	Torgersen	39.5	17.4	186.0	3800.0	fem
2	Adelie	Torgersen	40.3	18.0	195.0	3250.0	fem
4	Adelie	Torgersen	36.7	19.3	193.0	3450.0	fem
5	Adelie	Torgersen	39.3	20.6	190.0	3650.0	ma
...	...	...	...	...	...	...	...
339	Chinstrap	Dream	55.8	19.8	207.0	4000.0	ma
340	Chinstrap	Dream	43.5	18.1	202.0	3400.0	fem

	species	island	bill_length_mm	bill_depth_mm	flipper_length_mm	body_mass_g	sex
341	Chinstrap	Dream	49.6	18.2	193.0	3775.0	ma
342	Chinstrap	Dream	50.8	19.0	210.0	4100.0	ma
343	Chinstrap	Dream	50.2	18.7	198.0	3775.0	fem

panda's `to_latex()` is currently the best solution for custom formatting PDF tables from Python objects

```python
penguins_small = penguins.head(15).iloc[:, :4]
penguins_small.columns = penguins_small.columns.str.replace('_', '.')


print(penguins_small.style.applymap_index(
    lambda v: "font-weight: bold;", axis="columns").to_latex(convert_css=True))
```

	species	island	bill.length.mm	bill.depth.mm
0	Adelie	Torgersen	39.100000	18.700000
1	Adelie	Torgersen	39.500000	17.400000
2	Adelie	Torgersen	40.300000	18.000000
3	Adelie	Torgersen	nan	nan
4	Adelie	Torgersen	36.700000	19.300000
5	Adelie	Torgersen	39.300000	20.600000
6	Adelie	Torgersen	38.900000	17.800000
7	Adelie	Torgersen	39.200000	19.600000
8	Adelie	Torgersen	34.100000	18.100000
9	Adelie	Torgersen	42.000000	20.200000
10	Adelie	Torgersen	37.800000	17.100000
11	Adelie	Torgersen	37.800000	17.300000
12	Adelie	Torgersen	41.100000	17.600000
13	Adelie	Torgersen	38.600000	21.200000
14	Adelie	Torgersen	34.600000	21.100000