

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

Better tables

```
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

```
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