Pandas Plots

```
import pandas as pd
```

```
penguins = pd.read_csv('penguins.csv')
```

```
penguins.head()
```

	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	MALE
1	Adelie	Torgersen	39.5	17.4	186.0	3800.0	FEMALE
2	Adelie	Torgersen	40.3	18.0	195.0	3250.0	FEMALE
3	Adelie	Torgersen	NaN	NaN	NaN	NaN	NaN
4	Adelie	Torgersen	36.7	19.3	193.0	3450.0	FEMALE

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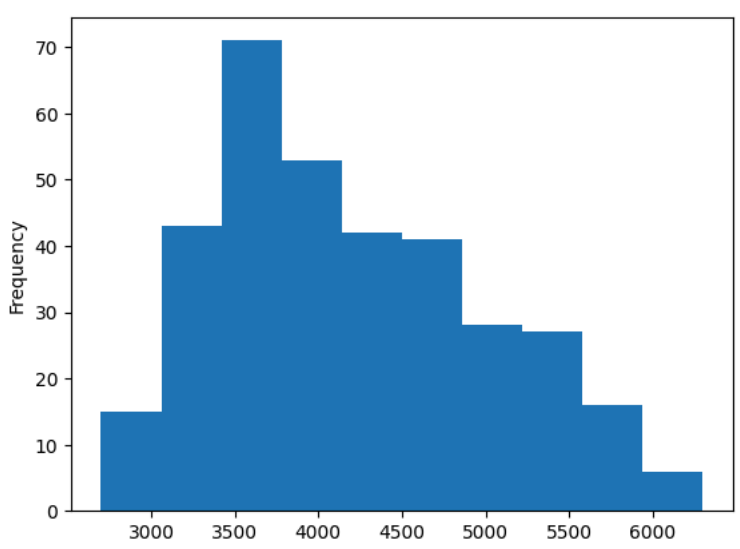
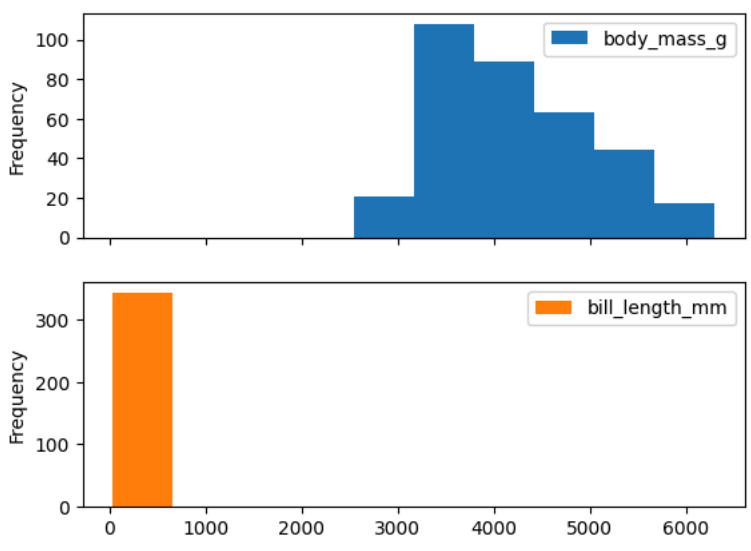
```
# histogram one column
penguins['body_mass_g'].plot(kind='hist');
```

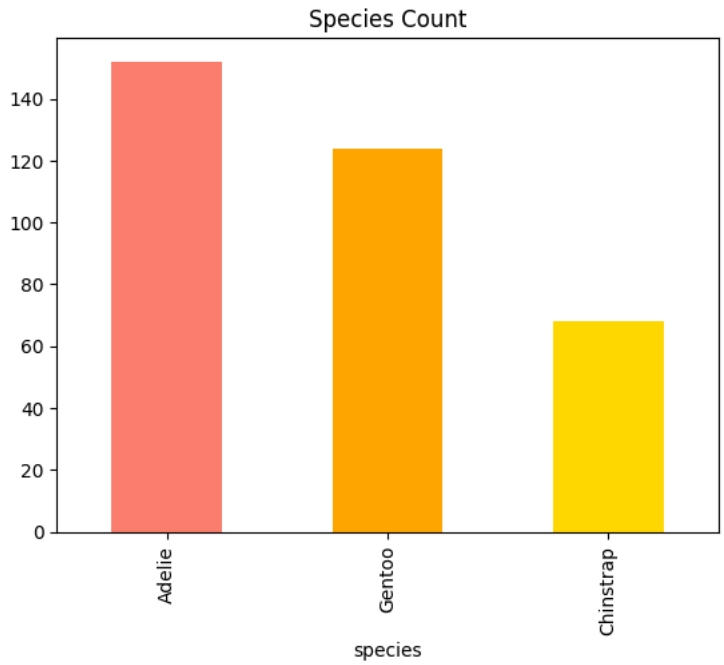



```
# histogram two columns
penguins[['body_mass_g', 'bill_length_mm']].plot(kind='hist', subplots=True);
```

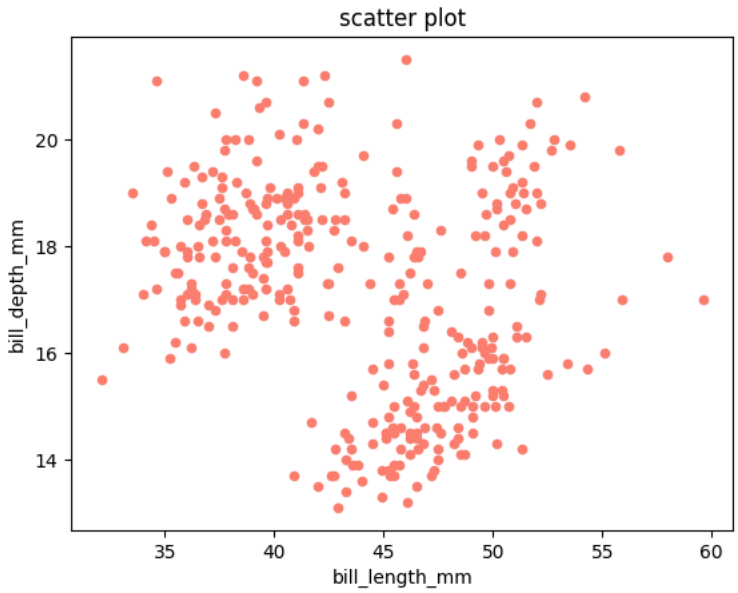



```
# bar plot for species
```

```
penguins['species'].value_counts() \
    .plot(kind='bar', title='Species Count', color=['salmon', 'orange', 'gold']);
```




```
# scatter plot
penguins[['bill_length_mm', 'bill_depth_mm']] \
    .plot(kind='scatter', x='bill_length_mm', y='bill_depth_mm', color='salmon', title='scatter plot');
```




```
penguins
```

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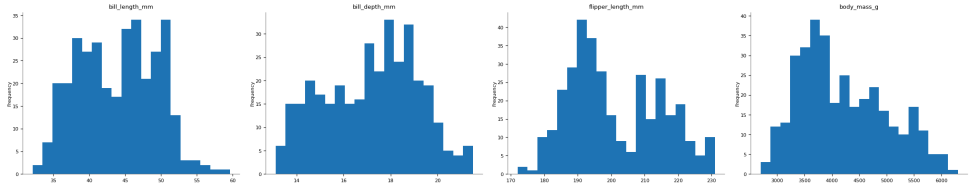
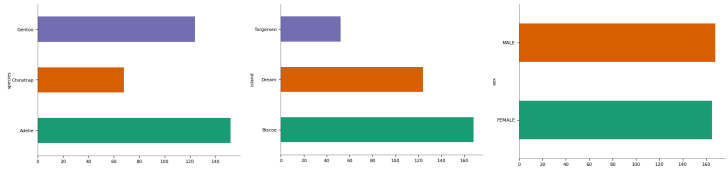
3	Adelie	Torgersen	NaN	NaN	NaN	NaN	NaN
4	Adelie	Torgersen	36.7	19.3	193.0	3450.0	FEMALE
...	...	...	...	...	...	...	...
339	Gentoo	Biscoe	NaN	NaN	NaN	NaN	NaN
340	Gentoo	Biscoe	46.8	14.3	215.0	4850.0	FEMALE
341	Gentoo	Biscoe	50.4	15.7	222.0	5750.0	MALE
342	Gentoo	Biscoe	45.2	14.8	212.0	5200.0	FEMALE
343	Gentoo	Biscoe	49.9	16.1	213.0	5400.0	MALE

344 rows × 7 columns

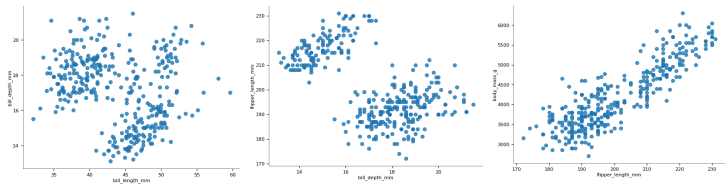
Distributions



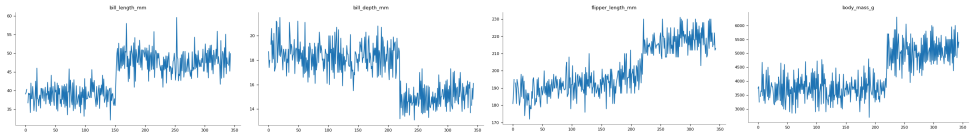
Categorical distributions



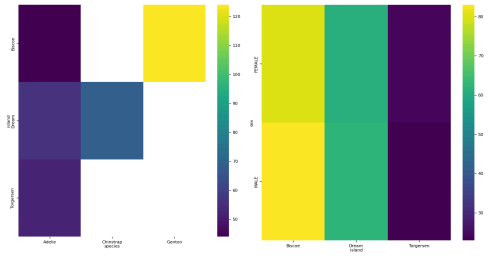
2-d distributions



Values



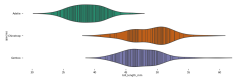
2-d categorical distributions



Faceted distributions

<string>:5: FutureWarning:

Passing `palette` without assigning `hue` is deprecated and will be removed in v0.14.0. Assign the `y` variable to `hue` and set `



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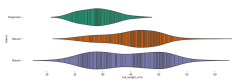

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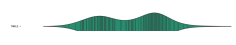

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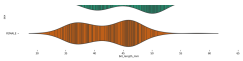

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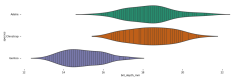
```



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