## → Pair Plot

Pair Plot is used for plotting pairwise relationships in a dataset.

```
# Recover default matplotlib settings
mpl.rcParams.update(mpl.rcParamsDefault)
%matplotlib inline
```

fish= pd.read\_csv("/content/drive/My Drive/Python DataScience/Visualization/Seaborn/Dat

## fish.head()

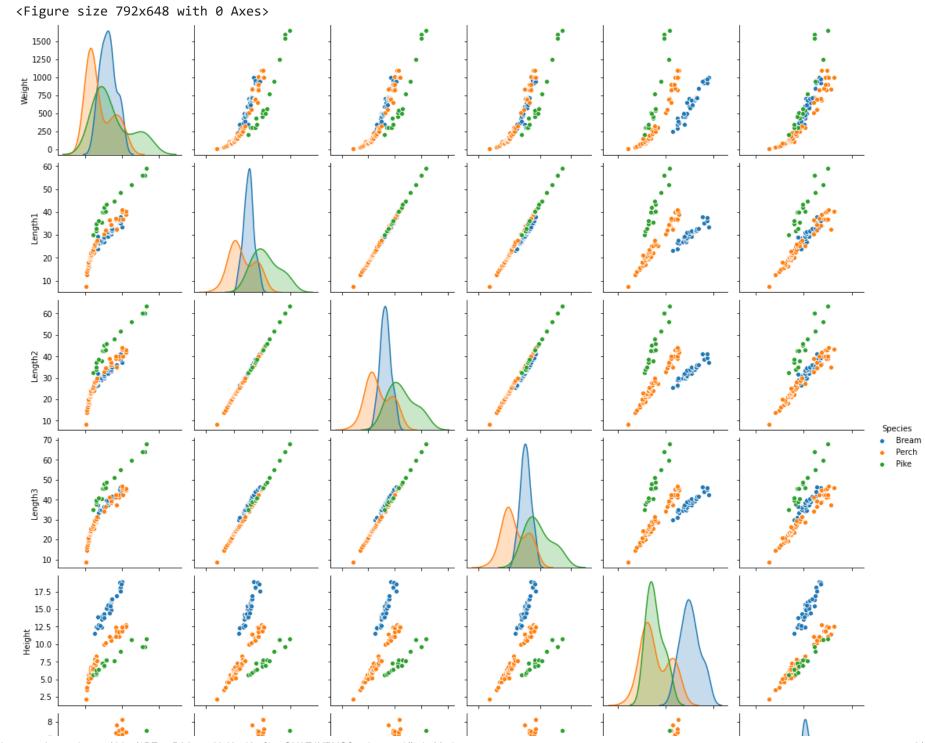
₽		Species	Weight	Length1	Length2	Length3	Height	Width
	0	Bream	242.0	23.2	25.4	30.0	11.5200	4.0200
	1	Bream	290.0	24.0	26.3	31.2	12.4800	4.3056
	2	Bream	340.0	23.9	26.5	31.1	12.3778	4.6961
	3	Bream	363.0	26.3	29.0	33.5	12.7300	4.4555
	4	Bream	430.0	26.5	29.0	34.0	12.4440	5.1340

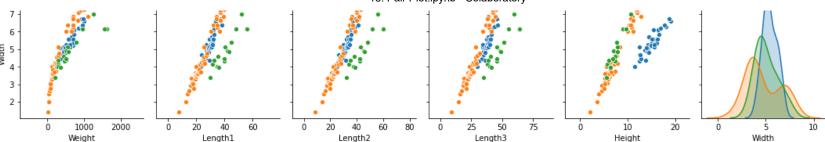
fish1 = fish[fish['Species'].isin(['Bream', 'Perch', 'Pike'])]
fish1.head()

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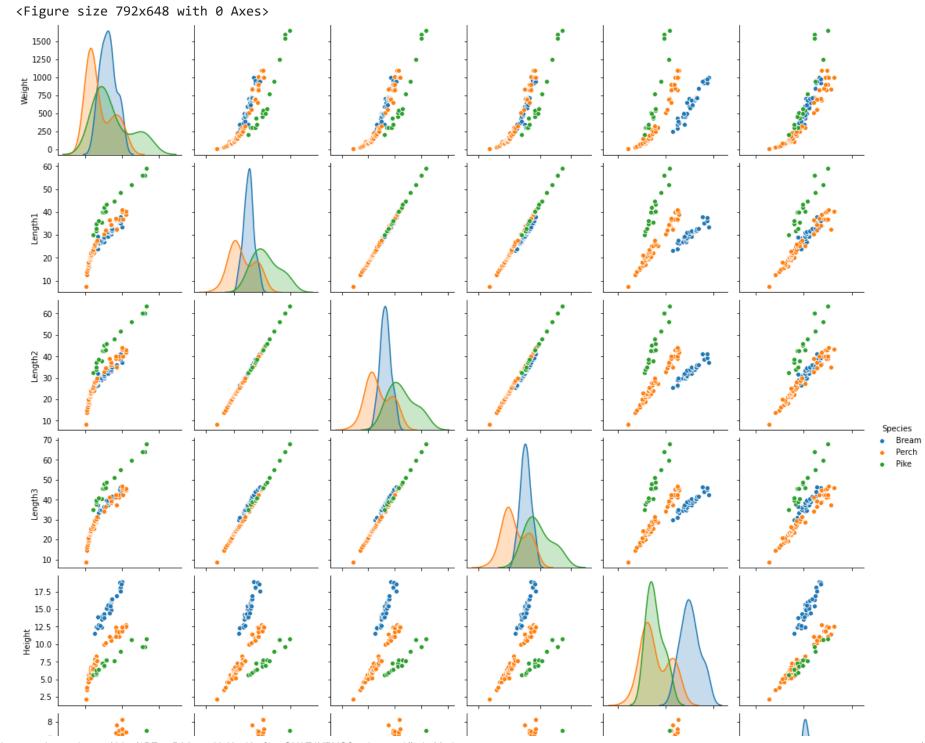
```
# Draw scatterplots for joint relationships and histograms for univariate distributions
plt.figure(figsize=(11,9))
sns.pairplot(fish1,hue = 'Species')
plt.show()
```

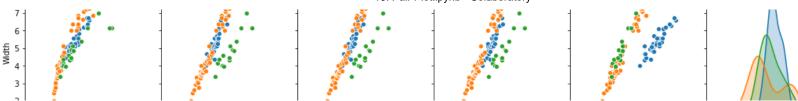
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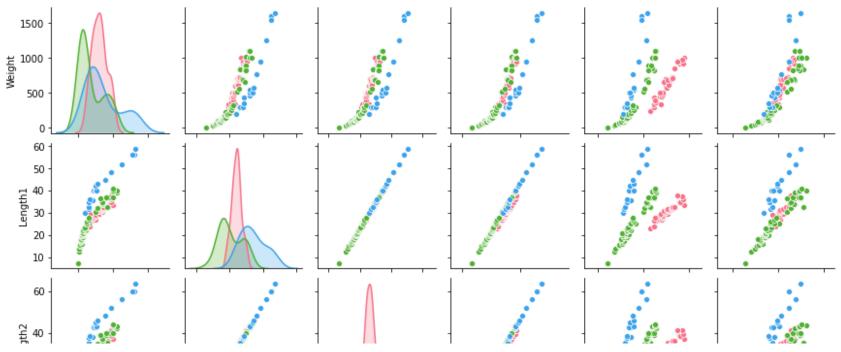
```
# Show groups with different colors using "hue" plt.figure(figsize=(11,9)) sns.pairplot(fish1,hue = 'Species') plt.show()
```





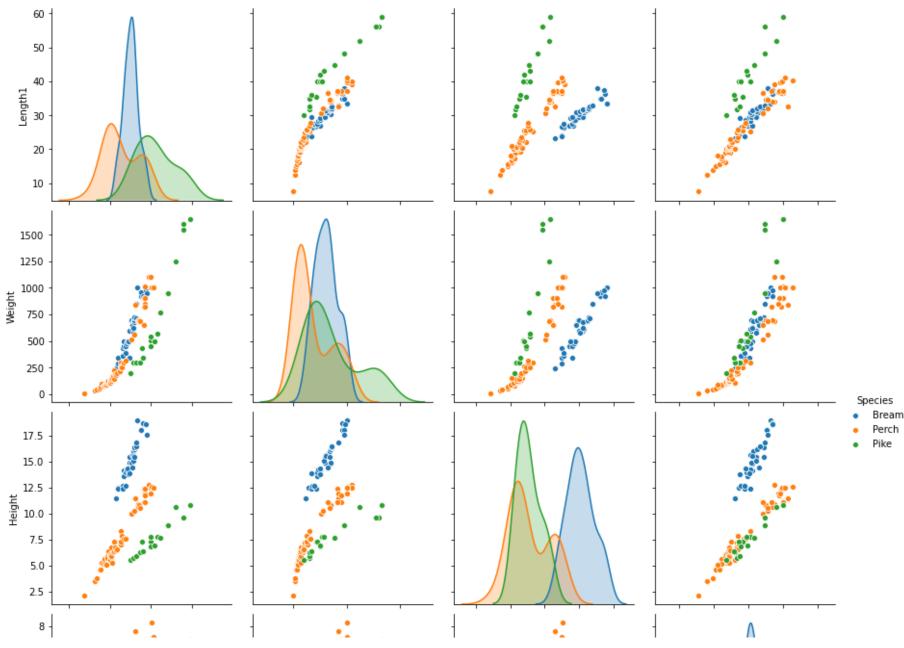
```
# Changing palettes
sns.pairplot(fish1,hue = 'Species',palette="husl",size=2)
plt.show()
```

/usr/local/lib/python3.6/dist-packages/seaborn/axisgrid.py:2071: UserWarning: The `size` parameter has been renamed to warnings.warn(msg, UserWarning)

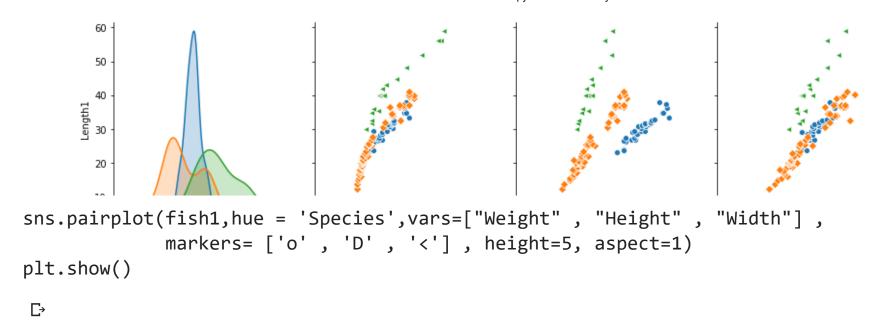


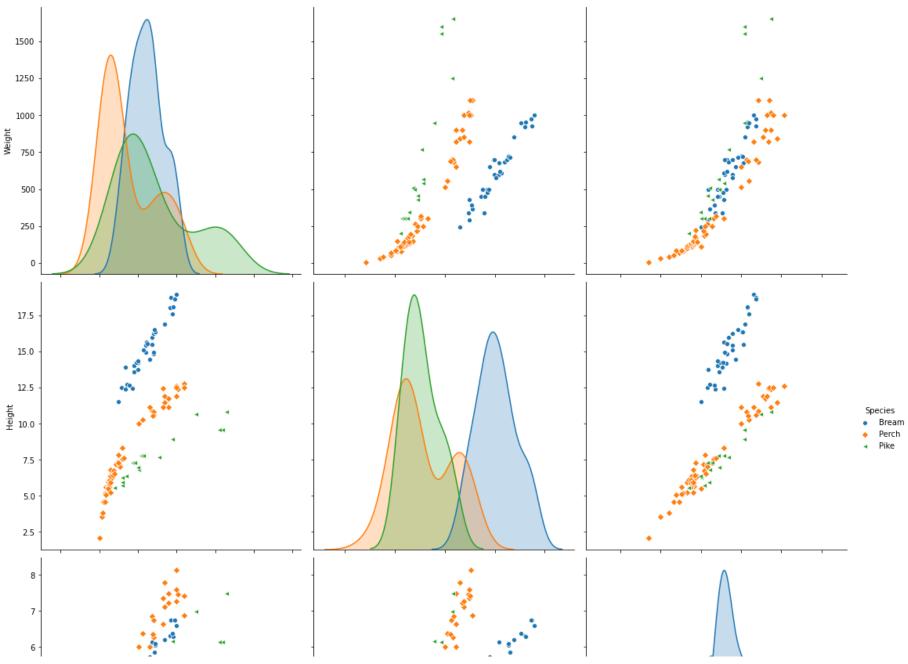
# Plot a subset of variables
sns.pairplot(fish1,hue = 'Species',vars=["Length1", "Weight", "Height", "Width"], he
plt.show()

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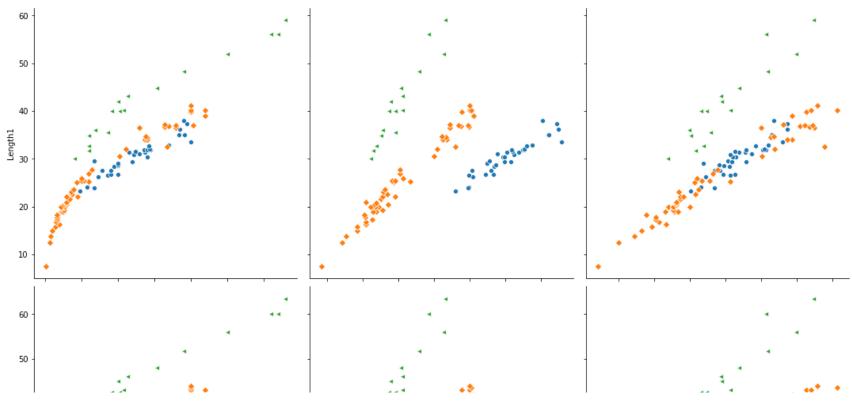


htr.2110M()

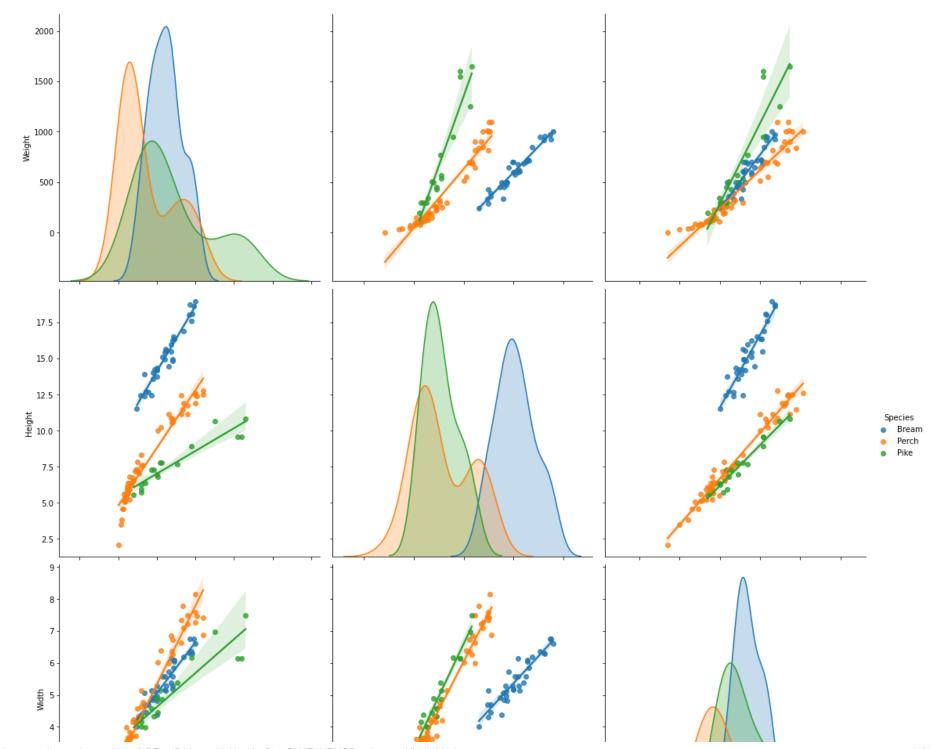


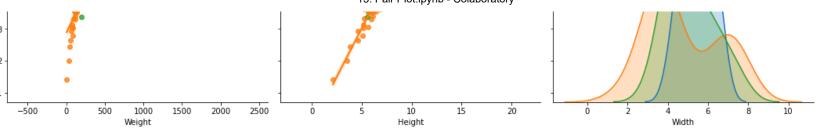


plt.show()



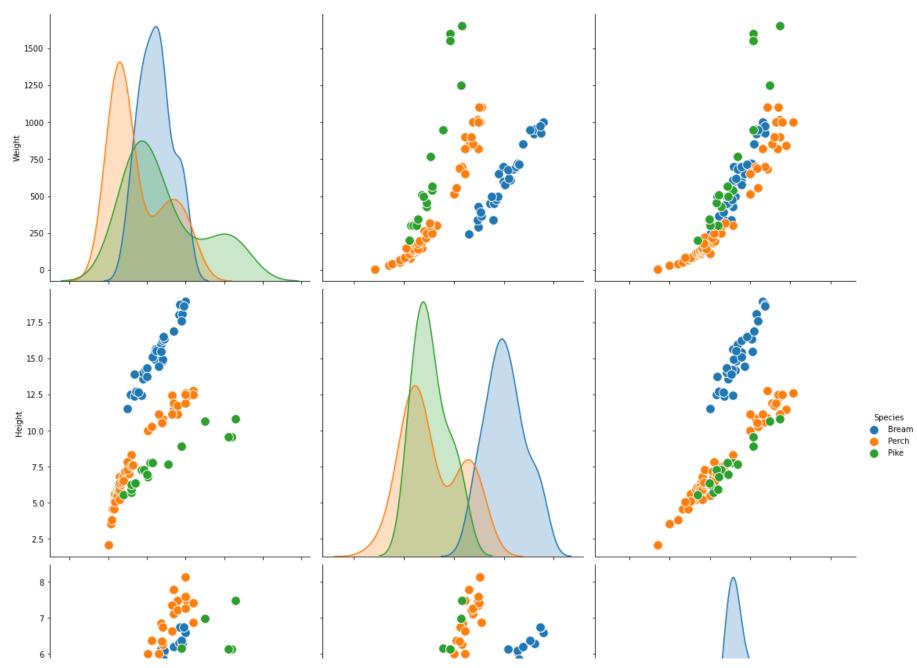
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```
# Changing size of circles in scatter plots using -> plot_kws=dict(s=140)
sns.pairplot(fish1,hue = 'Species',vars=["Weight" , "Height" , "Width"] , plot_kws=dict
height=5, aspect=1)
plt.show()

□
```



plt.show()