pandas.DataFrame.plot.pie

`DataFrame.plot.pie(**kwargs)` [source]

Generate a pie plot.

A pie plot is a proportional representation of the numerical data in a column. This function wraps `matplotlib.pyplot.pie()` for the specified column. If no column reference is passed and `subplots=True` a pie plot is drawn for each numerical column independently.

Parameters:

y : *int or label, optional*

Label or position of the column to plot. If not provided, `subplots=True` argument must be passed.

****kwargs**

Keyword arguments to pass on to `DataFrame.plot()`.

Returns:

matplotlib.axes.Axes or np.ndarray of them

A NumPy array is returned when *subplots* is True.

See also

`Series.plot.pie`
Generate a pie plot for a Series.

`DataFrame.plot`
Make plots of a DataFrame.

Examples

In the example below we have a DataFrame with the information about planet's mass and radius. We pass the 'mass' column to the pie function to get a pie plot.

```
>>> df = pd.DataFrame({'mass': [0.330, 4.87 , 5.97],
```

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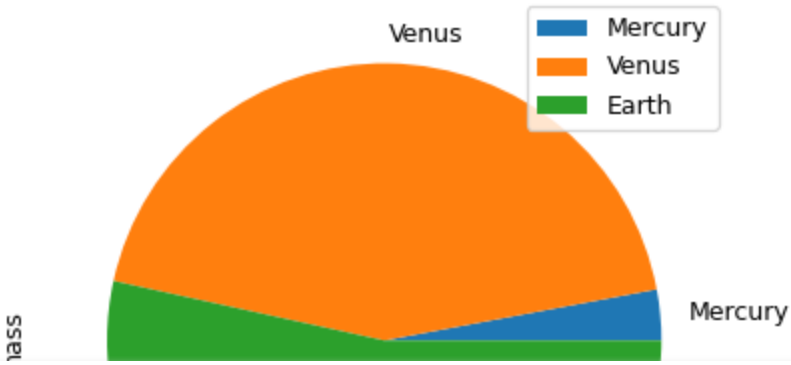
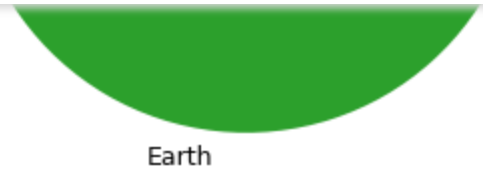
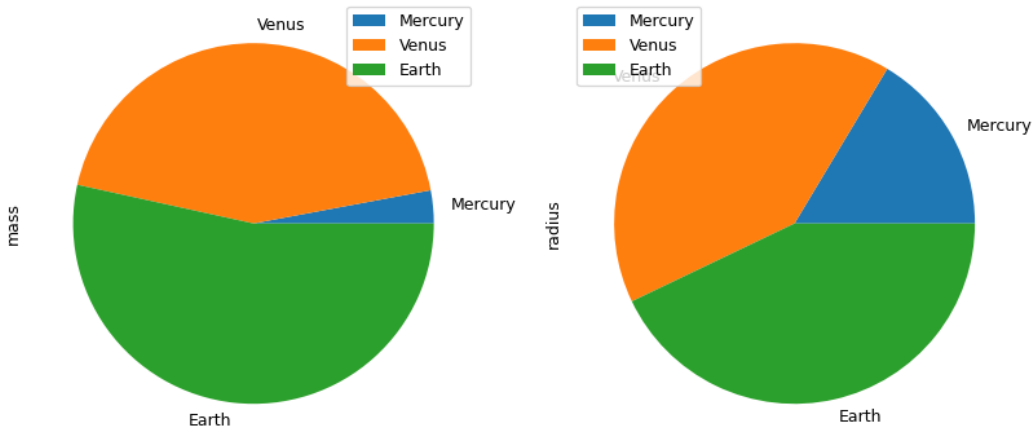
```
...                   index=['Mercury', 'Venus', 'Earth'])
>>> plot = df.plot.pie(y='mass', figsize=(5, 5))
```






```
>>> plot = df.plot.pie(subplots=True, figsize=(11, 6))
```



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