

```
In [1]: import seaborn as sns
import pandas as pd
```

```
In [2]: sales = pd.read_csv('sales.csv')
```

```
In [3]: sales.head()
```

Out[3]:

	Row ID	Order ID	Order Date	Order Priority	Order Quantity	Sales	Discount	Ship Mode	Profit	Unit Price	...
0	1	3	10/13/2010	Low	6	261.5400	0.04	Regular Air	-213.25	38.94	...
1	49	293	10/1/2012	High	49	10123.0200	0.07	Delivery Truck	457.81	208.16	...
2	50	293	10/1/2012	High	27	244.5700	0.01	Regular Air	46.71	8.69	...
3	80	483	7/10/2011	High	30	4965.7595	0.08	Regular Air	1198.97	195.99	...
4	85	515	8/28/2010	Not Specified	19	394.2700	0.08	Regular Air	30.94	21.78	...

5 rows × 21 columns

```
In [4]: sns.catplot(data=sales,x='Ship Mode',y='Sales')
```

```
Out[4]: <seaborn.axisgrid.FacetGrid at 0x1d3f3bdd600>
```



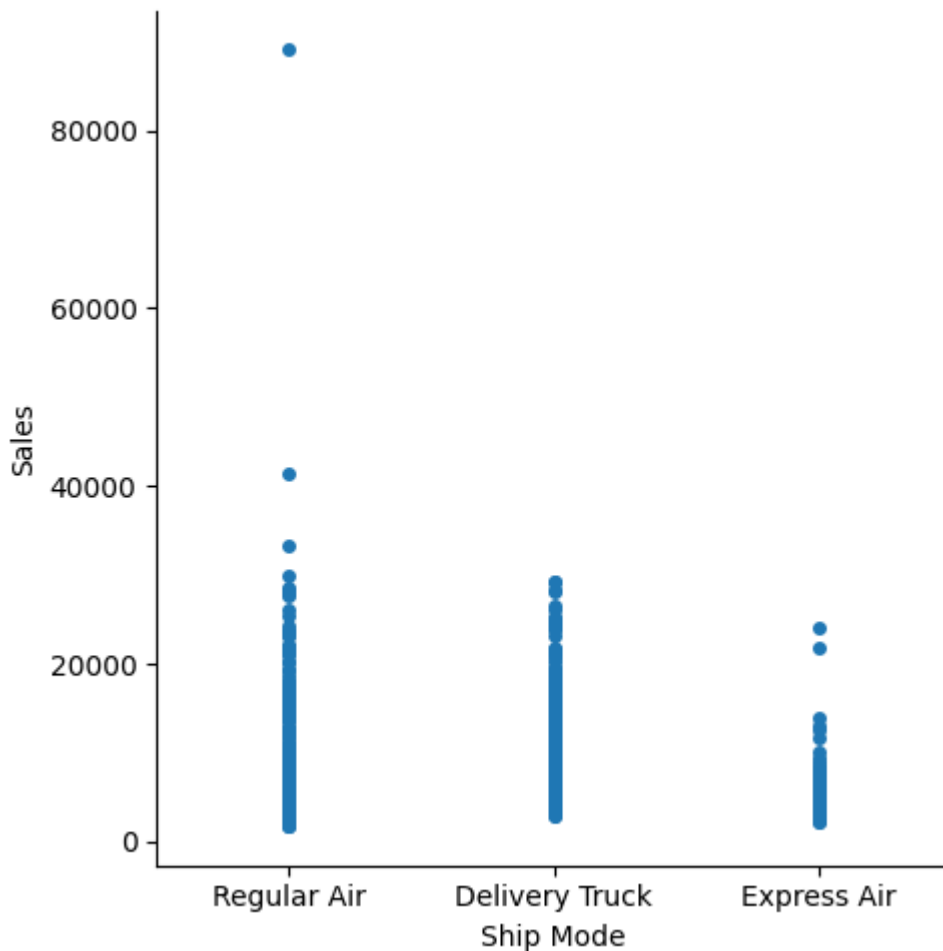
```
In [5]: sns.catplot(data=sales,x='Ship Mode',y='Sales',jitter=False)
```

```
Out[5]: <seaborn.axisgrid.FacetGrid at 0x1d3f3bddd80>
```



```
In [6]: sns.catplot(data=sales.query("Profit > 1000"),x='Ship Mode',y='Sales',jitter=False)
```

```
Out[6]: <seaborn.axisgrid.FacetGrid at 0x1d384f7b340>
```



```
In [7]: sns.catplot(data=sales.query("Profit > 1000"),x='Ship Mode',y='Sales',kind='swarm')
```

C:\Users\Dell\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\categorical.py:3544: UserWarning: 48.4% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.

warnings.warn(msg, UserWarning)

C:\Users\Dell\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\categorical.py:3544: UserWarning: 6.0% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.

warnings.warn(msg, UserWarning)

```
Out[7]: <seaborn.axisgrid.FacetGrid at 0x1d384df4ee0>
```

C:\Users\Dell\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\categorical.py:3544: UserWarning: 59.7% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.

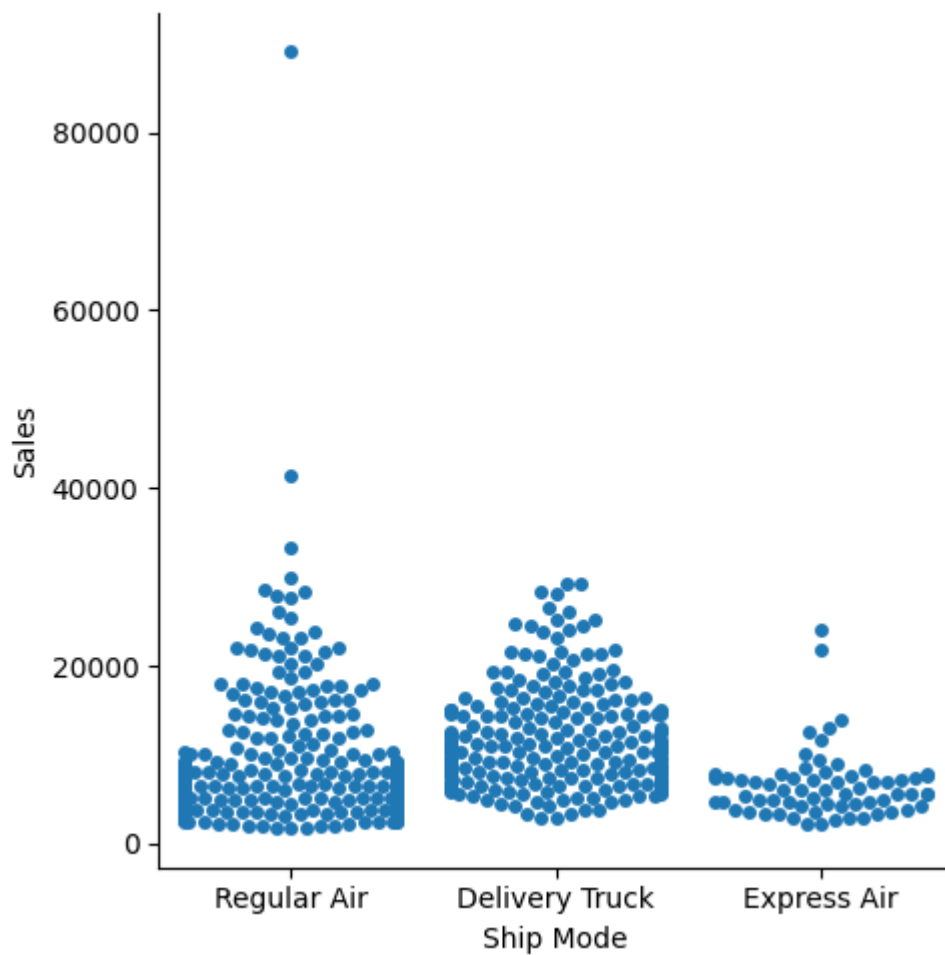
warnings.warn(msg, UserWarning)

C:\Users\Dell\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\categorical.py:3544: UserWarning: 25.8% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.

warnings.warn(msg, UserWarning)

C:\Users\Dell\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\categorical.py:3544: UserWarning: 9.1% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.

warnings.warn(msg, UserWarning)



```
In [8]: sns.catplot(data=sales.query("Profit > 1000"),x='Ship Mode',y='Sales',hue='Sales',kind
```

```

C:\Users\Dell\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\categorical.py:3544: UserWarning: 48.4% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.
  warnings.warn(msg, UserWarning)
C:\Users\Dell\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\categorical.py:3544: UserWarning: 6.0% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.
  warnings.warn(msg, UserWarning)
C:\Users\Dell\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\categorical.py:3544: UserWarning: 59.7% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.
  warnings.warn(msg, UserWarning)
C:\Users\Dell\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\categorical.py:3544: UserWarning: 25.8% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.
  warnings.warn(msg, UserWarning)
C:\Users\Dell\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\categorical.py:3544: UserWarning: 9.1% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.
  warnings.warn(msg, UserWarning)
C:\Users\Dell\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\categorical.py:3544: UserWarning: 55.7% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.
  warnings.warn(msg, UserWarning)
C:\Users\Dell\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\categorical.py:3544: UserWarning: 18.0% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.
  warnings.warn(msg, UserWarning)

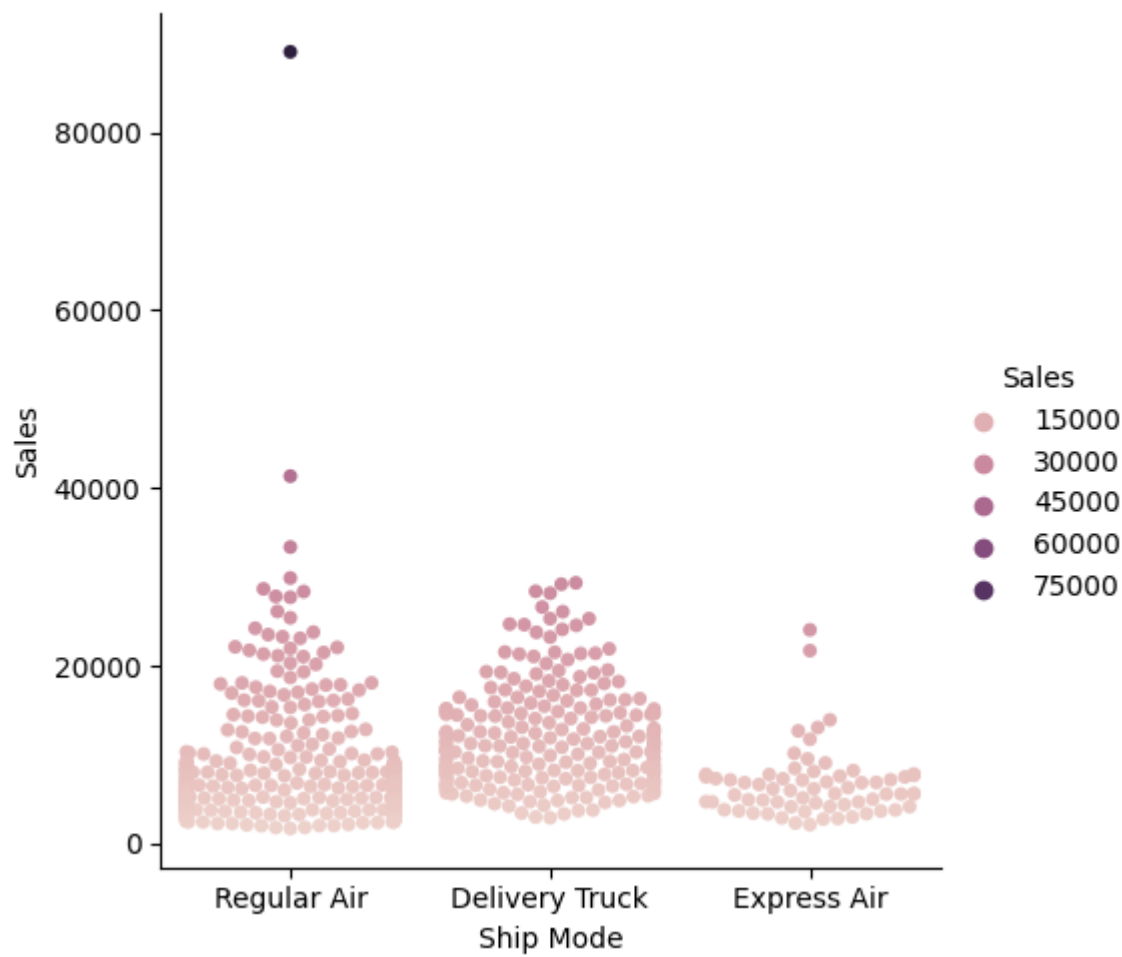
```

Out[8]: <seaborn.axisgrid.FacetGrid at 0x1d3854a0df0>

```

C:\Users\Dell\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\categorical.py:3544: UserWarning: 26.3% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.
  warnings.warn(msg, UserWarning)
C:\Users\Dell\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\categorical.py:3544: UserWarning: 10.6% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.
  warnings.warn(msg, UserWarning)

```



In []: