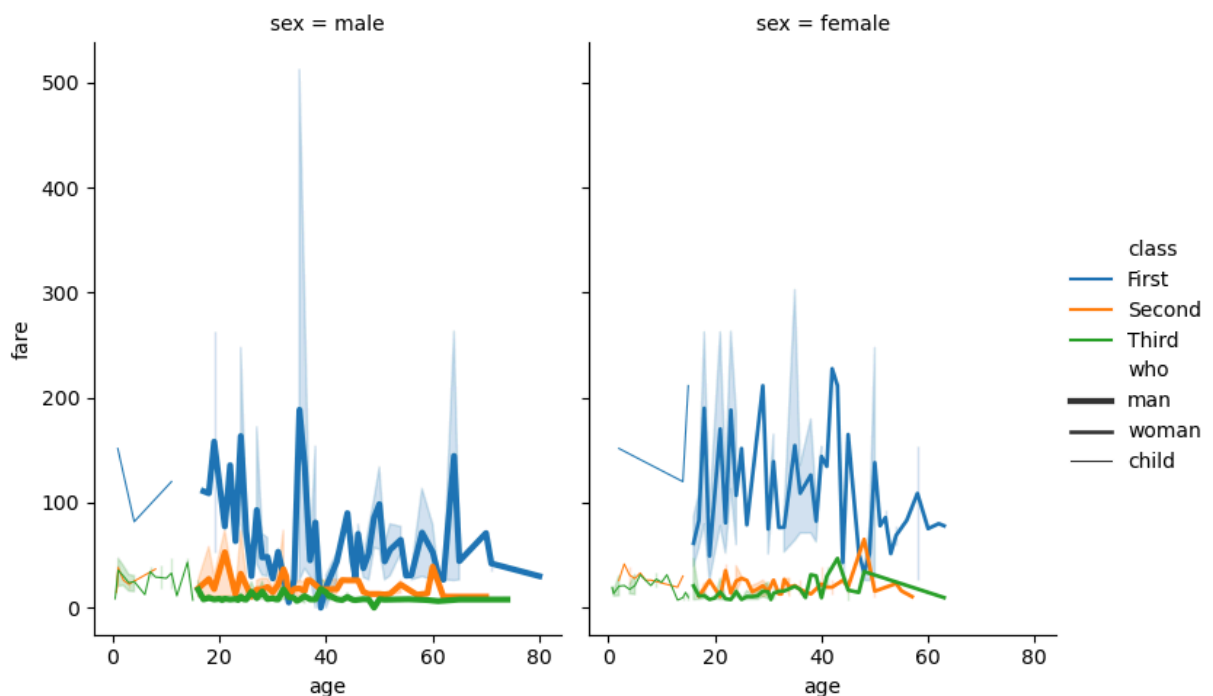


```
In [9]: import seaborn as sns
import pandas as pd
import matplotlib.pyplot as plt

# Load the Titanic dataset
kashti = sns.load_dataset("titanic")

# Define a color palette
p = sns.color_palette("rocket_r")

# Corrected relplot with valid Titanic dataset columns
sns.relplot(
    data=kashti,
    x="age", # Using "age" as x-axis
    y="fare", # Using "fare" as y-axis
    hue="class", # Color by "class"
    size="who", # Adjust size by "who" category
    col="sex", # Facet by "sex"
    kind="line", # Using a line plot
    height=5, aspect=0.75,
)
plt.show()
```

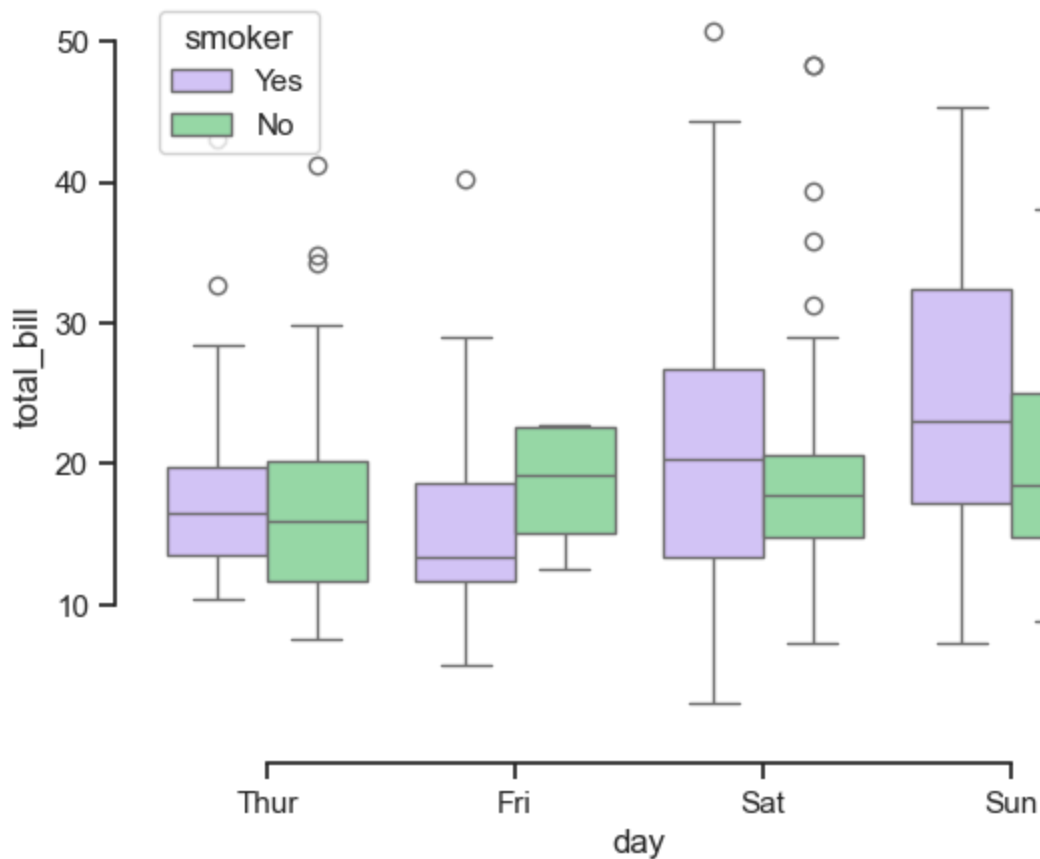


```
In [12]: import seaborn as sns
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
nuqta = sns.load_dataset("dots")
nuqta.head()
```

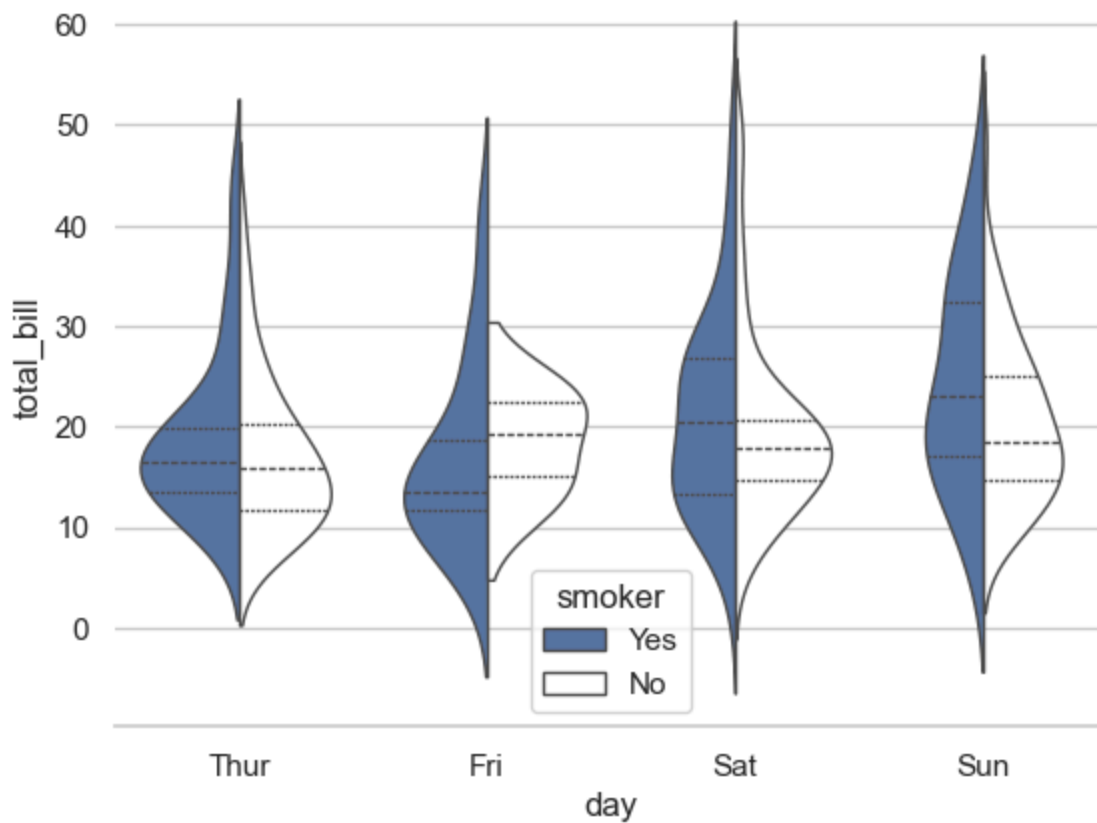
Out[12]:

	align	choice	time	coherence	firing_rate
0	dots	T1	-80	0.0	33.189967
1	dots	T1	-80	3.2	31.691726
2	dots	T1	-80	6.4	34.279840
3	dots	T1	-80	12.8	32.631874
4	dots	T1	-80	25.6	35.060487

```
In [7]: import seaborn as sns
sns.set_theme(style="ticks",palette="pastel")
tips=sns.load_dataset("tips")
sns.boxplot(x="day",y="total_bill",
            hue="smoker", palette=["m","g"],
            data=tips)
sns.despine(offset=10,trim=True)
```

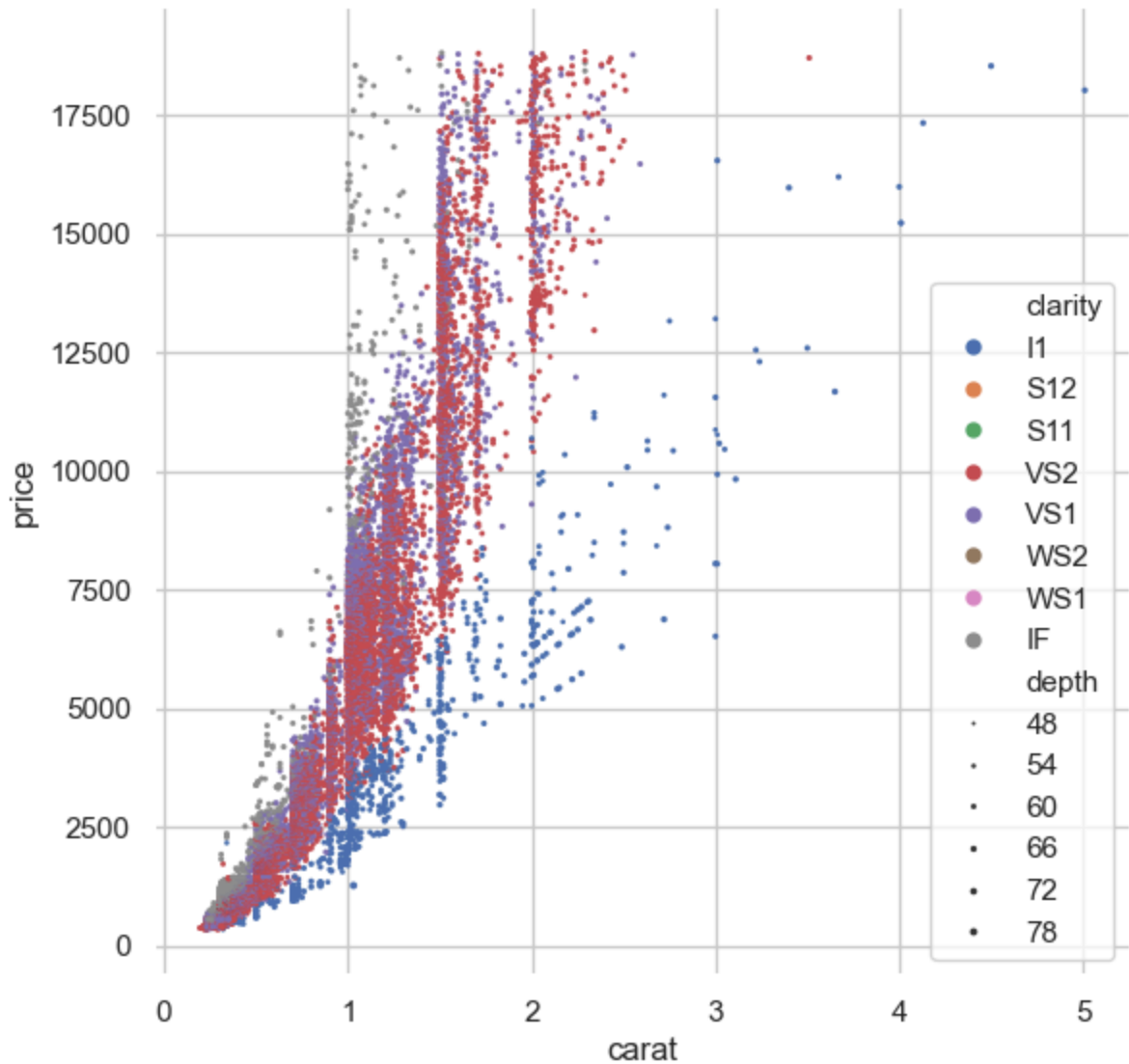


```
In [11]: import seaborn as sns
sns.set_theme(style="whitegrid")
tips=sns.load_dataset("tips")
sns.violinplot(data=tips,x="day",y="total_bill",hue="smoker",
               split=True,inner="quart",linewidth=1,
               palette={"Yes":"b","No":"1"})
sns.despine(left=True)
```



```
In [13]: import seaborn as sns
import matplotlib.pyplot as plt
sns.set_theme(style="whitegrid")
diamonds=sns.load_dataset("diamonds")
f, ax=plt.subplots(figsize=(6.5,6.5))
sns.despine(f,left=True,bottom=True)
clarity_ranking=["I1","S12","S11","VS2","VS1","WS2","WS1","IF"]
sns.scatterplot(x="carat",y="price",
                hue="clarity",size="depth",
                hue_order=clarity_ranking,
                sizes=(1,8),linewidth=0,
                data=diamonds,ax=ax)
```

Out[13]: <Axes: xlabel='carat', ylabel='price'>

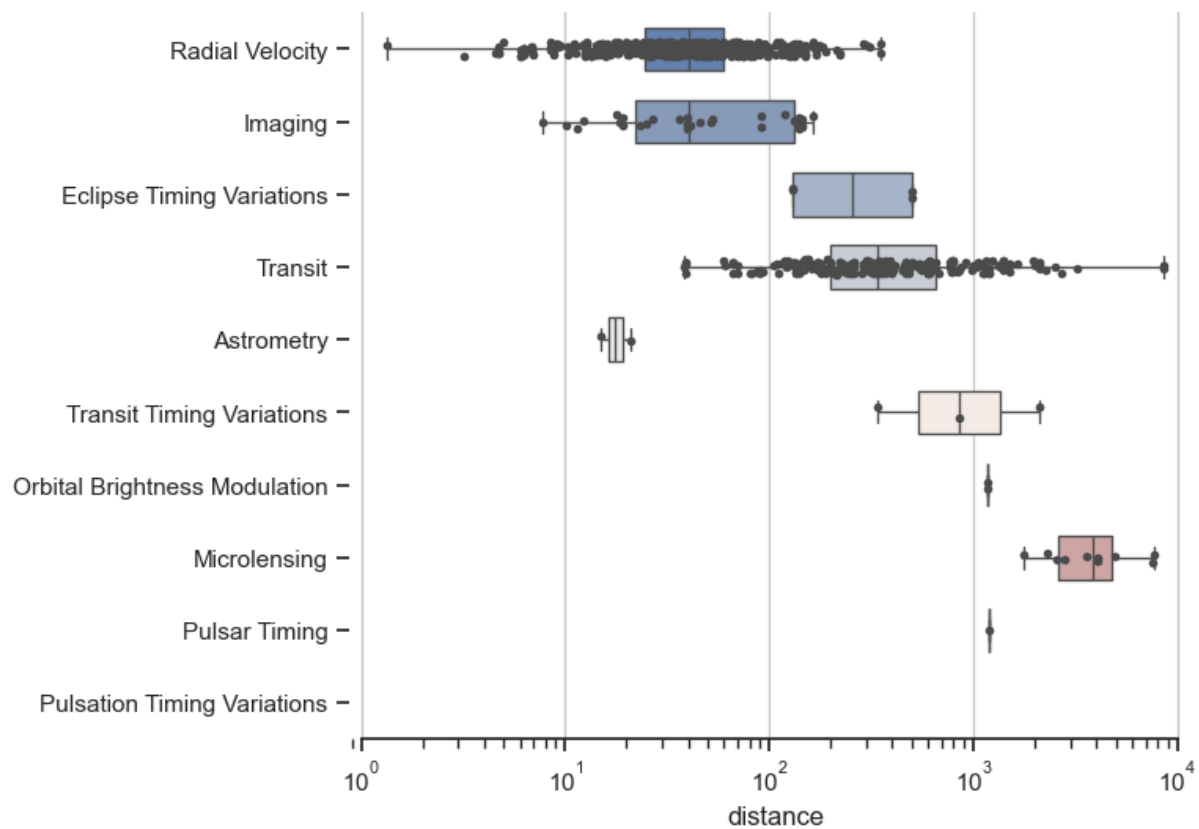


```
In [19]: import seaborn as sns
import matplotlib.pyplot as plt
sns.set_theme(style="ticks")
f,ax=plt.subplots(figsize=(7,6))
ax.set_xscale("log")
planets=sns.load_dataset("planets")
sns.boxplot(x="distance",y="method",data=planets,
            whis=[0,100],width=.6,palette="vlag")
sns.stripplot(x="distance",y="method",data=planets,
              size=4,color=".3",linewidth=0)
ax.xaxis.grid(True)
ax.set(ylabel="")
sns.despine(trim=True,left=True)
```

C:\Users\Shopyydoo.ppk\AppData\Local\Temp\ipykernel_11436\1097786285.py:7: FutureWarning:

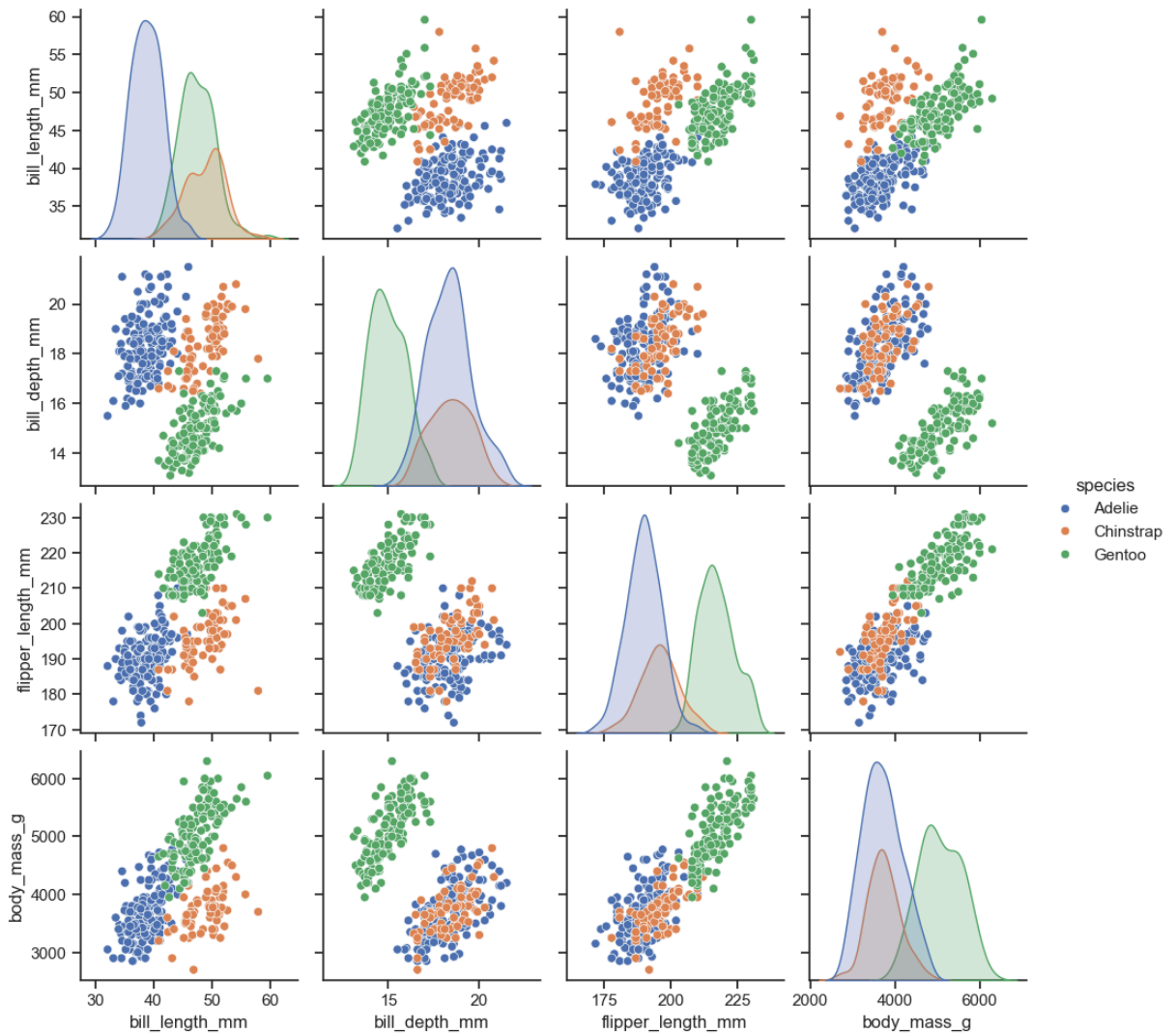
Passing `palette` without assigning `hue` is deprecated and will be removed in v0.14.0. Assign the `y` variable to `hue` and set `legend=False` for the same effect.

```
sns.boxplot(x="distance",y="method",data=planets,
```



```
In [21]: import seaborn as sns
sns.set_theme(style="ticks")
df=sns.load_dataset("penguins")
sns.pairplot(df,hue="species")
```

Out[21]: <seaborn.axisgrid.PairGrid at 0x23147e4dee0>



```
In [22]: import seaborn as sns
sns.set_theme(style="ticks")

dots = sns.load_dataset("dots")

# Define the palette as a list to specify exact values
palette = sns.color_palette("rocket_r")

# Plot the lines on two facets
sns.relplot(
    data=dots,
    x="time", y="firing_rate",
    hue="coherence", size="choice", col="align",
    kind="line", size_order=["T1", "T2"], palette=palette,
    height=5, aspect=.75, facet_kws=dict(sharex=False),
)
```

```
Out[22]: <seaborn.axisgrid.FacetGrid at 0x23145f33260>
```

