

```
In [1]:
import plotly.express as px

In [2]:
df=px.data.iris()

In [3]:
df

Out[3]:
```

	sepal_length	sepal_width	petal_length	petal_width	species	species_id
0	5.1	3.5	1.4	0.2	setosa	1
1	4.9	3.0	1.4	0.2	setosa	1
2	4.7	3.2	1.3	0.2	setosa	1
3	4.6	3.1	1.5	0.2	setosa	1
4	5.0	3.6	1.4	0.2	setosa	1
...
145	6.7	3.0	5.2	2.3	virginica	3
146	6.3	2.5	5.0	1.9	virginica	3
147	6.5	3.0	5.2	2.0	virginica	3
148	6.2	3.4	5.4	2.3	virginica	3
149	5.9	3.0	5.1	1.8	virginica	3

150 rows × 6 columns

```
In [4]:
df.columns

Out[4]:
Index(['sepal_length', 'sepal_width', 'petal_length', 'petal_width', 'species',
       'species_id'],
      dtype='object')
```

```
In [5]:
fig=px.scatter(df,x='sepal_length',y='petal_length')
```

```
In [6]:
fig.show()
```

```
In [7]:
fig=px.scatter(df,x='sepal_length',y='petal_length',color='petal_width')
```

```
In [8]:
fig.show()
```

```
In [9]:
fig=px.scatter(df,x='sepal_length',y='petal_length',color='petal_width',symbol='species')
```

```
fig.show()
```

```
In [10]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length',color='petal_width',hover_name='species')
fig.show()
```

```
In [11]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length',hover_name='species')
fig.show()
```

```
In [12]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length',color='species')
fig.show()
```

```
In [13]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length',color='species',hover_name='species',facet_row='species')
fig.show()
```

```
In [14]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length',color='species',hover_name='species',facet_col='species')
fig.show()
```

```
In [15]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length',color='species',hover_name='species',facet_row='species')
fig.show()
```

```
In [18]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length'\
               ,hover_name='species',facet_row='species',text=({'petal_length','sepal_length'}))
```

```
File "<ipython-input-18-810b6adc07d5>", line 2
```

```
    ,hover_name='species',facet_row='species',text=({'petal_length','sepal_length'}))
```

```
^
```

```
SyntaxError: unexpected EOF while parsing
```

```
In [19]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length',color='species',hover_name='species',facet_row='species',facet_col_spacing=0.7)
fig.show()
```

```
In [20]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length',color='species',hover_name='species',facet_row='species',facet_col_spacing=0.4)
```

```
fig.show()
```

```
In [21]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length',color='species',hover_name='species',facet_row='species',error_x='species')
fig.show()
```

```
In [22]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length',color='species',hover_name='species',facet_row='species',error_y='sepal_length')
fig.show()
```

```
In [23]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length',color='species',hover_name='species',facet_row='species',error_x='sepal_length')
fig.show()
```

```
In [24]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length',color='species',hover_name='species',facet_row='species',animation_frame='petal_length')
fig.show()
```

```
In [25]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length',color='species',hover_name='species',facet_row='species',symbol_map={'species':'verginica'})
fig.show()
```

```
In [26]:
```

```
fig=px.scatter(df,x='sepal_length',y='petal_length',color='species',hover_name='species',facet_row='species')
fig.show()
```

```
In [27]:
```

```
import plotly.graph_objects as go
```

```
In [ ]:
```

```
pip install plotly==5.1.0
```

```
In [ ]:
```

```
fig=go.Figure()
```

```
In [ ]:
```

```
fig.update_layout(h)
```