Legend

Tuesday, January 11, 2022

4:23 PM

Manual legend

from matplotlib.patches import Patch

sick\_patch = Patch(label='Sick', color='red')

healthy\_patch = Patch(label='Healthy', color='green')

plt.legend(handles=[sick\_patch, healthy\_patch])

Move legend outside of figure

ax.legend(loc='centerleft',bbox\_to\_anchor=(1.02,1), ncol=1, frameon=*False,*

title="DeliveryType", fontsize=15, title\_fontsize=18, facecolor='white',

markerscale=1.5)

Manual legend - with different markers

import seaborn as sns

import matplotlib.pyplot as plt

import pandas as pd

import random

import matplotlib.lines as mlines

df\_inv = pd.DataFrame({'a': random.sample(range(300, 400), 5),

'b': random.sample(range(100, 200), 5),

'c': random.sample(range(40, 90), 5)},

index=range(1,6))

markers = ['o', 'x', 'd']

colors = ['purple', 'cyan', 'green']

legend\_handles = []

for i, col\_name in enumerate(df\_inv.columns):

sns.scatterplot(data=df\_inv, x=df\_inv.index, y=col\_name,

marker=markers[i], color=colors[i], s=100) # s = marker size

**legend\_handles.append(mlines.Line2D([], [], color=colors[i], marker=markers[i],**

**linestyle='None', markersize=8, label=col\_name))**

plt.ylabel('Value')

plt.xlabel('Index')

plt.grid()

**plt.legend(handles=legend\_handles, bbox\_to\_anchor=(1.02, 1), title='Column')**

plt.tight\_layout()

plt.show()