

# Dot Matrix Plot

April 22, 2024

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[1]: import plotly.graph_objs as go
from plotly.offline import iplot, init_notebook_mode
init_notebook_mode()
from IPython.display import display,HTML
import pandas as pd

title = 'Vehículos populares en Colombia'

ds = pd.Series({'Nissan' : 67, 'Mazda' : 30, 'Toyota' : 20, 'Hyundai': 12,
↳ 'Chevrolet': 23, 'Renault': 56})

print(sum(ds))

Xlim = 26
Ylim = 23
Xpos = 0
Ypos = 22
series = []
for name, count in ds.items():
    x = []
    y = []
    for j in range(0, count):
        if Xpos == Xlim:
            Xpos = 0
            Ypos -= 1
        x.append(Xpos)
        y.append(Ypos)
        Xpos += 1
    series.append(go.Scatter(x=x, y=y, mode='markers', marker={'symbol':
↳ 'circle', 'size': 15}, name=f'{name} ({count})'))

fig = go.Figure(dict(data=series, layout=go.Layout(
    title={'text': title, 'x': 0.5, 'xanchor': 'center'},
    paper_bgcolor='rgba(255,255,255,1)',
    plot_bgcolor='rgba(0,0,0,0)',
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    xaxis=dict(showgrid=False,zeroline= False, showline=False, visible=False,↵
↵showticklabels=False),
    yaxis=dict(showgrid=False,zeroline= False, showline=False, visible=False,↵
↵showticklabels=False),
)))
fig.show()

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