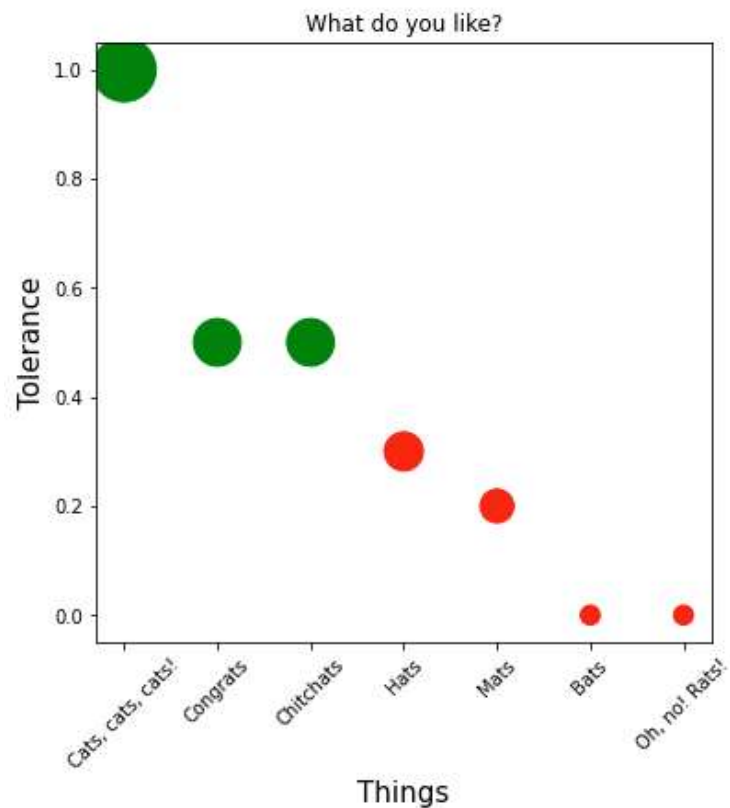# The things we like

by Thithi Johnson

```python
""" Some aspects of life worth considering
 Sometimes welcoming into your life - more and more
 Sometimes avoiding or running away from it
 What does your heart say?
"""

#what do you like/dislike & tolerance scale (you don't tolerate (0) to I love it (1))
#scenario follows the pattern {'What':Value, 'What':Value}

scenario = {
            'Cats, cats, cats!':1,
            'Congrats':0.5,
            'Chitchats':0.5,
            'Hats':0.3,
            'Mats':0.2,
            'Bats':0,
            'Oh, no! Rats!':0
           }
```
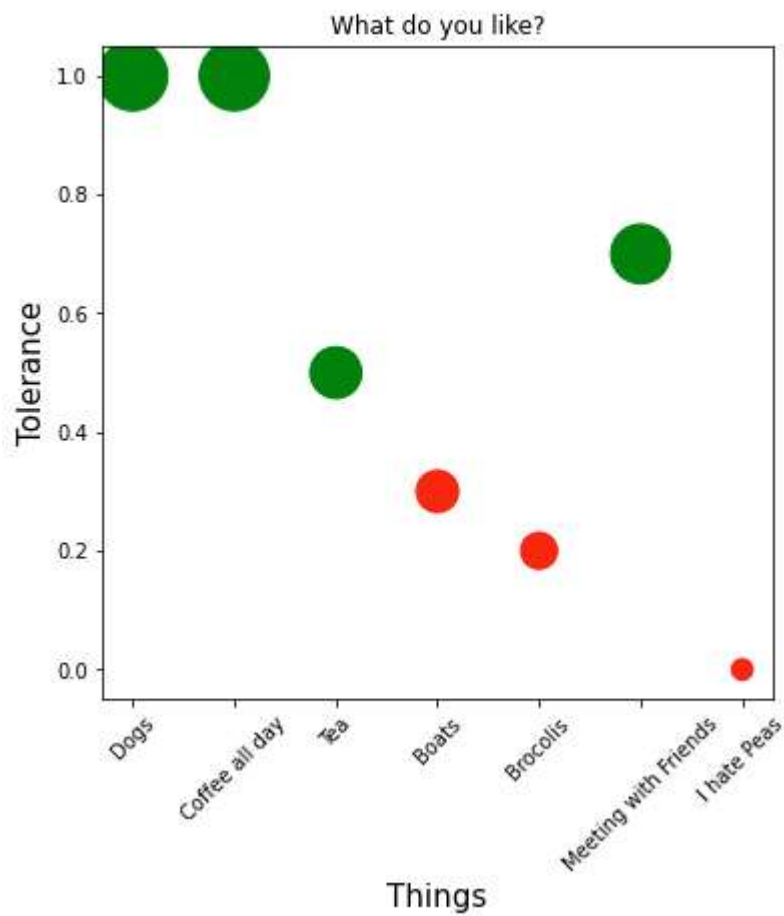
calculation (scenario)

Trying another one…

```
scenario = {
            'Dogs':1,
            'Coffee all day':1,
            'Tea':0.5,
            'Boats':0.3,
            'Brocolis':0.2,
            'Meeting with Friends':0.7,
            'I hate Peas':0
          }
```

calculation (scenario)

So, what do you like? Now it is your turn. Use your parameters and share your chart.

```python
""" The main code"""
import pandas as pd
import matplotlib.pyplot as plt


def calculation (scenarios):

    # Let's calculate the data for the chart
    # Sometimes the visuals help us figuring out stuff
    # You see, you think, you feel

    # Emotional threshold we are evaluating
    levels = [0, 0.5, 0.75, 1]

    results = pd.DataFrame(columns = ['Things', 'Level', 'Tolerance','Color','Size'
])

    for s in scenarios:
        for l in levels:
            t = scenarios[s]
            if t >= l:
                if t > 0.3:
                    c = 'green'
                else:
                    c = 'red'

                # The bigger the size, the more I value
                # The more I value, the bigger is the impact

            size = (t+0.1)*(l+0.1)*1000
            results = results.append({'Things':s,'Level':l,'Tolerance':t,
                                      'Color':c, "Size":size}, ignore_index=True)

            # A sneak peek of the data
            # I want to keep it a surprise
            # (well, not really,
            # you already read my mind)

    results.head()

    # Like the traffic lights
    # or when we learn as a kid
    # Green means GO!
    # Red means Stop!

    ax1 = results.plot.scatter(x='Things',y='Tolerance', c='Color', s= 'Size',
                    figsize=(6,6), title= "What do you like?")
    ax1.xaxis.label.set_fontsize(15); ax1.yaxis.label.set_fontsize(15)
    plt.xticks(rotation=45)
```