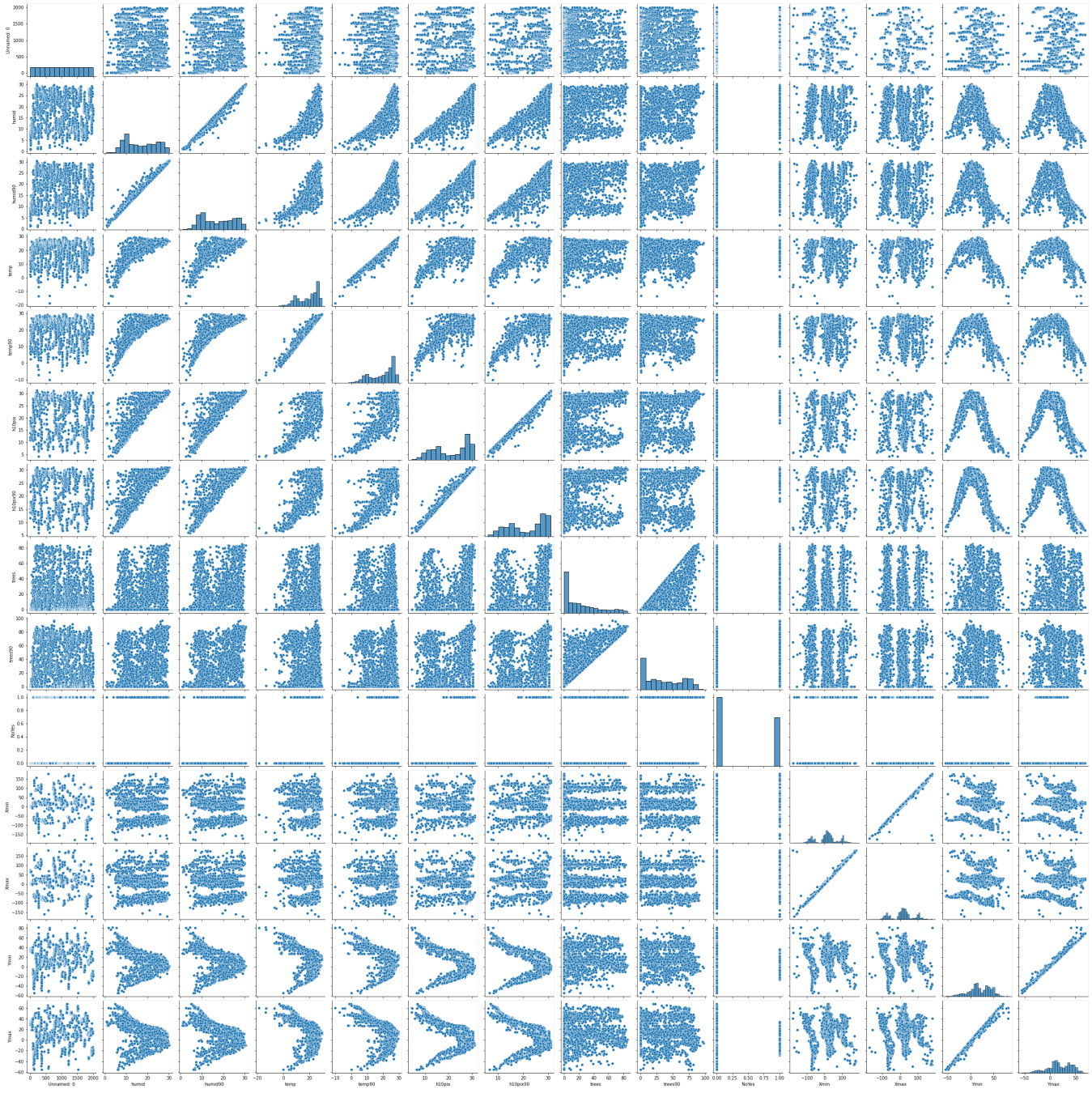
```
import pandas as pd
import matplotlib.pyplot as plt


df = pd.read_csv('dengue.csv')


df.head()
```

	Unnamed: 0	humid	humid90	temp	temp90	h10pix	h10pix90	trees	trees9
0	1	0.671389	4.416667	2.037500	8.470835	17.356529	17.808611	0.0	1.
1	2	7.648334	8.167500	12.325000	14.925000	10.983610	11.691670	0.0	1.
2	3	6.979056	9.563058	6.925000	14.591660	17.508329	17.625280	0.0	1.
3	4	1.110416	1.825361	4.641665	6.046669	17.417635	17.516939	0.0	0.
4	5	9.027055	9.742751	18.175000	19.710000	13.843060	13.843060	0.0	0

```
import seaborn as sns


sns.pairplot(df)
```

```
<seaborn.axisgrid.PairGrid at 0x7f8cb4975490>
```




```
print(df['humid'].groupby(df['NoYes']))
```

```
<pandas.core.groupby.generic.SeriesGroupBy object at 0x7f8ca0a45810>
```

```
df.groupby(by=df["NoYes"]).count()
```

NoYes	Unnamed: 0	humid	humid90	temp	temp90	h10pix	h10pix90	trees	trees90	Xmin	X
0	1169	1169	1169	1169	1169	1169	1169	1162	1162	1169	1
1	831	829	829	829	829	831	831	826	826	831	

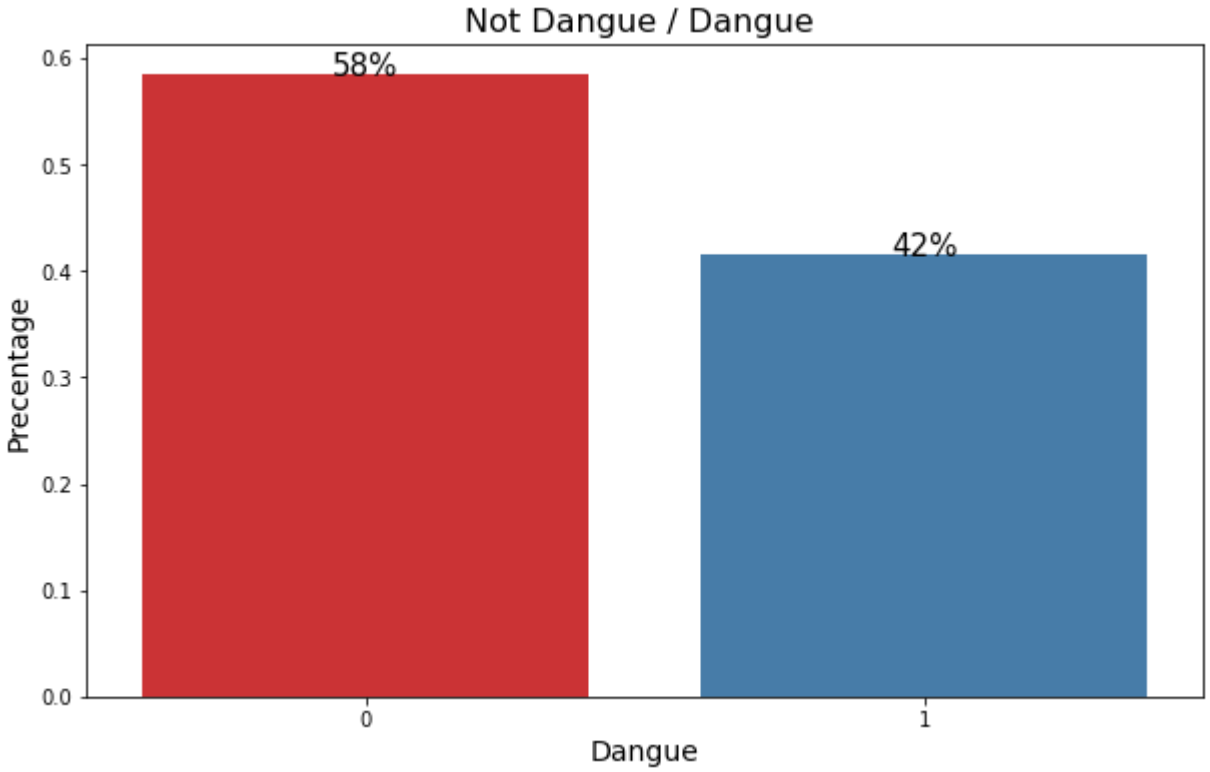
```
df.groupby(['humid90', "NoYes"]).count()
```

humid90	NoYes	Unnamed: 0	humid	temp	temp90	h10pix	h10pix90	trees	trees90	Xmin
1.066111	**0**	1	1	1	1	1	1	1	1	1
1.218611	**0**	1	1	1	1	1	1	1	1	1
1.298777	**0**	1	1	1	1	1	1	1	1	1
1.498000	**1**	1	1	1	1	1	1	1	1	1
1.658611	**0**	1	1	1	1	1	1	1	1	1
...	**...**	...	...	...	...	...	...	...	...	...
29.858752	**1**	1	1	1	1	1	1	1	1	1
29.875388	**1**	1	1	1	1	1	1	1	1	1
29.900614	**1**	1	1	1	1	1	1	1	1	1
30.298364	**0**	1	1	1	1	1	1	1	1	1
30.539442	**0**	1	1	1	1	1	1	1	1	1

```
#Ploting barplot for target
plt.figure(figsize=(10,6))
g = sns.barplot(df['NoYes'], df['NoYes'], palette='Set1', estimator=lambda x: len(x) / len(df

#Anotating the graph
for p in g.patches:
        width, height = p.get_width(), p.get_height()
        x, y = p.get_xy()
        g.text(x+width/2,
               y+height,
               '{:.0%}'.format(height),
               horizontalalignment='center',fontsize=15)
```

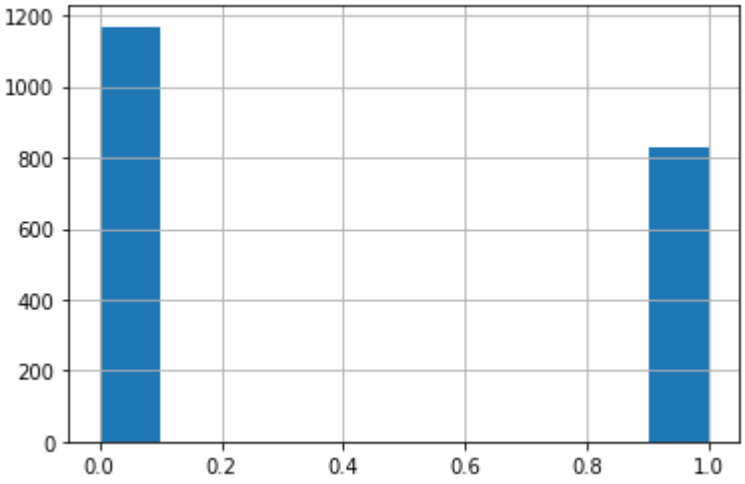
```
#Setting the labels
plt.xlabel('Dangue', fontsize=14)
plt.ylabel('Precentage', fontsize=14)
plt.title('Not Dangue / Dangue ', fontsize=16)
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/_decorators.py:43: FutureWarning: Pass th
  FutureWarning
Text(0.5, 1.0, 'Not Dangue / Dangue ')
```



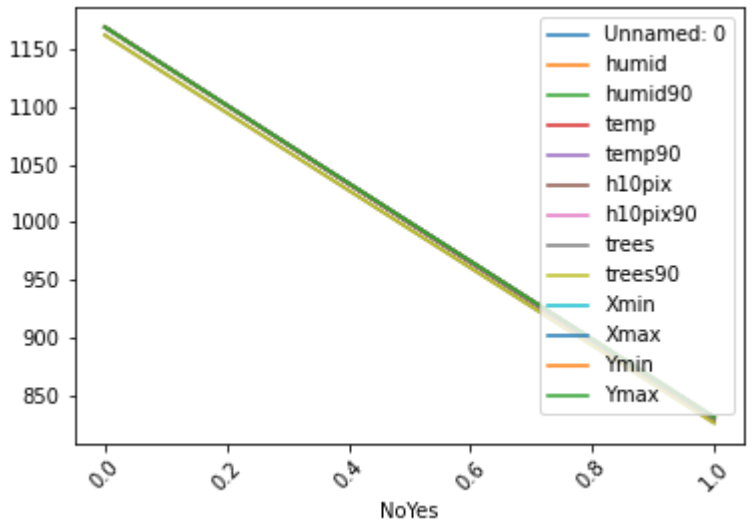

```
df['NoYes'].hist()
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8ca02a12d0>
```



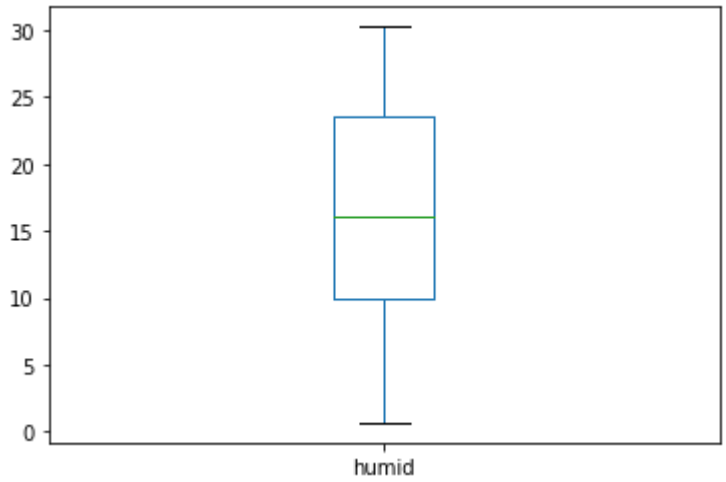

```
bro = df.groupby(by=df["NoYes"]).count()
```

```
bro.plot()
plt.xticks(rotation=45)
plt.show()
```



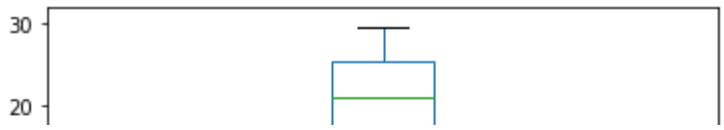

```
df['humid'].plot(kind='box')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8c9fd463d0>
```




```
df['temp'].plot(kind='box')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8c9fc66110>
```




```
pip install geopandas
```

```
Requirement already satisfied: geopandas in /usr/local/lib/python3.7/dist-packages (0.9
Requirement already satisfied: pyproj>=2.2.0 in /usr/local/lib/python3.7/dist-packages (
Requirement already satisfied: shapely>=1.6 in /usr/local/lib/python3.7/dist-packages (1
Requirement already satisfied: fiona>=1.8 in /usr/local/lib/python3.7/dist-packages (fro
Requirement already satisfied: pandas>=0.24.0 in /usr/local/lib/python3.7/dist-packages
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Requirement already satisfied: click-plugins>=1.0 in /usr/local/lib/python3.7/dist-packa
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Requirement already satisfied: munch in /usr/local/lib/python3.7/dist-packages (from fio
Requirement already satisfied: click<8,>=4.0 in /usr/local/lib/python3.7/dist-packages (
Requirement already satisfied: python-dateutil>=2.7.3 in /usr/local/lib/python3.7/dist-p
Requirement already satisfied: pytz>=2017.2 in /usr/local/lib/python3.7/dist-packages (1
Requirement already satisfied: numpy>=1.15.4 in /usr/local/lib/python3.7/dist-packages (
```

```
pip install cartopy
```

```
Requirement already satisfied: cartopy in /usr/local/lib/python3.7/dist-packages (0.19.0
Requirement already satisfied: numpy>=1.13.3 in /usr/local/lib/python3.7/dist-packages (
Requirement already satisfied: shapely>=1.5.6 in /usr/local/lib/python3.7/dist-packages
Requirement already satisfied: pyshp>=2 in /usr/local/lib/python3.7/dist-packages (from
```

```
import matplotlib.pyplot as plt
import geopandas
from cartopy import crs as ccrs
```

```
df1 = geopandas.read_file('dengue.csv')
```

```
df1.plot()
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8c9562bcd0>
```


```
pip install geoplot
```

```
Requirement already satisfied: geoplot in /usr/local/lib/python3.7/dist-packages (0.4.1)
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Requirement already satisfied: cycler>=0.10 in /usr/local/lib/python3.7/dist-packages (f
Requirement already satisfied: pyparsing!=2.0.4,!=2.1.2,!=2.1.6,>=2.0.1 in /usr/local/li
Requirement already satisfied: kiwisolver>=1.0.1 in /usr/local/lib/python3.7/dist-packag
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Requirement already satisfied: geographiclib<2,>=1.49 in /usr/local/lib/python3.7/dist-p
Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.7/dist-packages (f
Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in /usr/local/lib
Requirement already satisfied: chardet<4,>=3.0.2 in /usr/local/lib/python3.7/dist-packag
Requirement already satisfied: decorator<5,>=4.3 in /usr/local/lib/python3.7/dist-packag
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.7/dist-packages (from
Requirement already satisfied: munch in /usr/local/lib/python3.7/dist-packages (from fio
```

```
import geopandas
import geoplot

world = geopandas.read_file(
```

```
world = geopandas.read_file(
    geopandas.datasets.get_path('naturalearth_lowres')
)
boroughs = geopandas.read_file(
    geoplot.datasets.get_path('nyc_boroughs')
)
collisions = geopandas.read_file(
    geoplot.datasets.get_path('nyc_injurious_collisions')
)


geoplot.polyplot(world, figsize=(8, 4))
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f540bbb2f10>
```

```
ax = geoplot.polyplot(
    world, projection=geoplot.crs.Orthographic(), figsize=(8, 4)
)
ax.outline_patch.set_visible(True)



africa = world.query('continent == "Africa"')
ax = geoplot.cartogram(
    africa, scale='pop_est', limits=(0.2, 1),
    edgecolor='None', figsize=(7, 8)
)
geoplot.polyplot(africa, edgecolor='gray', ax=ax)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f540b6b6650>
```