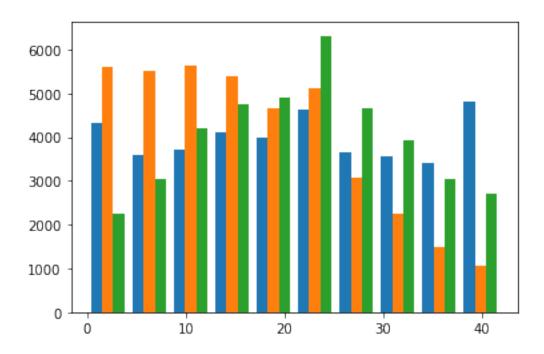
EDA

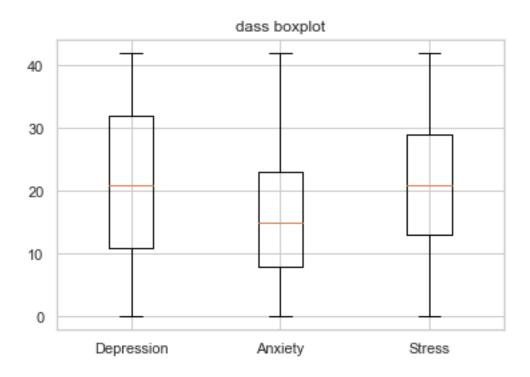
March 17, 2022

```
[1]: import sys
      # !{sys.executable} -m pip install -U pandas-profiling[notebook]
      # !jupyter nbextension enable --py widgetsnbextension
      # !pip install matplotlib
      # !pip install graphviz
 [2]: import os
      import numpy as np
      import pandas as pd
 [5]: df= pd.read_csv(r'C:\Users\zdehg\Downloads\archive\DASS_data_21.02.19\data.
      →csv', error_bad_lines=False, warn_bad_lines=False, sep=r'\t')
     C:\ProgramData\Anaconda3\lib\site-packages\pandas\util\_decorators.py:311:
     ParserWarning: Falling back to the 'python' engine because the 'c' engine does
     not support regex separators (separators > 1 char and different from '\s+' are
     interpreted as regex); you can avoid this warning by specifying engine='python'.
       return func(*args, **kwargs)
     C:\ProgramData\Anaconda3\lib\site-
     packages\IPython\core\interactiveshell.py:3444: FutureWarning: The
     warn_bad_lines argument has been deprecated and will be removed in a future
     version.
       exec(code_obj, self.user_global_ns, self.user_ns)
     C:\ProgramData\Anaconda3\lib\site-
     packages\IPython\core\interactiveshell.py:3444: FutureWarning: The
     error_bad_lines argument has been deprecated and will be removed in a future
     version.
       exec(code_obj, self.user_global_ns, self.user_ns)
[19]: import matplotlib.pyplot as plt
[20]: plt.hist(dass)
      \#It can be sen that this class variable is not imbalanced toward a certain \sqcup
       \rightarrow result
```

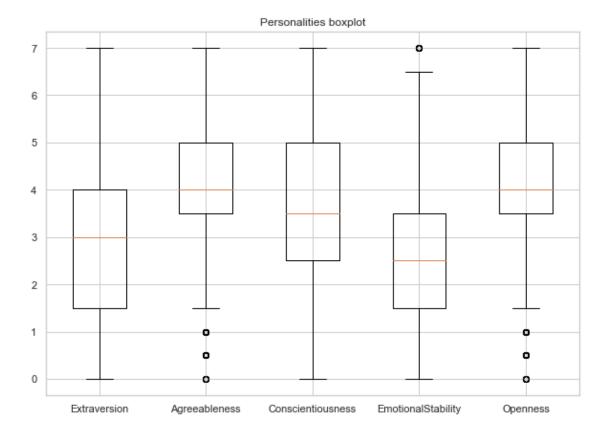


```
[256]: fig, axs = plt.subplots()
  axs.boxplot(dass, labels = ['Depression', 'Anxiety', 'Stress'], )
  axs.set_title('dass boxplot')
```

[256]: Text(0.5, 1.0, 'dass boxplot')



[257]: Text(0.5, 1.0, 'Personalities boxplot')



```
[22]: character = pd.concat([dass, personalities], axis=1)
    plot_correlation(character, cmap='viridis')
```

