Kaggle Python Data Science Project

https://www.kaggle.com/code/yonatanilan/big-five-traits-with-personality-labels

In [2]:
```
import numpy as np # linear algebra
import pandas as pd # data processing, CSV file I/O (e.g. pd.read_csv)
import seaborn as sns
from sklearn.preprocessing import RobustScaler
from sklearn.linear_model import LogisticRegression
from sklearn.svm import SVC
from sklearn.ensemble import RandomForestClassifier, AdaBoostClassifier
from sklearn.neighbors import KNeighborsClassifier
from sklearn.model_selection import KFold, GridSearchCV
import warnings
warnings.filterwarnings('ignore')


df_train = pd.read_csv('train.csv')
train_length = len(df_train)
df_test = pd.read_csv('test.csv')
df_train.rename(columns = {'Personality (Class label)':'Personality'}, inplace = True)
df_test.rename(columns = {'Personality (class label)':'Personality'}, inplace = True)
df = pd.concat([df_train, df_test])
df.head()
```

Out[2]:

	Gender	Age	openness	neuroticism	conscientiousness	agreeableness	extraversion	Personality
0	Male	17	7	4	7	3	2	extraverted
1	Male	19	4	5	4	6	6	serious
2	Female	18	7	6	4	5	5	dependable
3	Female	22	5	6	7	4	3	extraverted

In [3]:
```
sns.catplot(x="Personality", y="openness", kind="box", data=df)
```

Out[3]:
```
<seaborn.axisgrid.FacetGrid at 0x1f73aa2e910>
```