

```
In [ ]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

file_path= r'C:\Users\P.DEEPIKA\Downloads\data.xlsx'

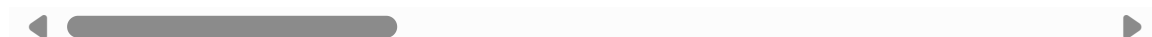
data=pd.read_excel(file_path)
```

```
In [ ]: data
```

```
Out[ ]:
```

	Unnamed: 0	ID	Salary	DOJ	DOL	Designation	JobCity	Genre
0	train	203097	420000	2012-06-01	present	senior quality engineer	Bangalore	
1	train	579905	500000	2013-09-01	present	assistant manager	Indore	
2	train	810601	325000	2014-06-01	present	systems engineer	Chennai	
3	train	267447	1100000	2011-07-01	present	senior software engineer	Gurgaon	
4	train	343523	200000	2014-03-01	2015-03-01 00:00:00	get	Manesar	
...
3993	train	47916	280000	2011-10-01	2012-10-01 00:00:00	software engineer	New Delhi	
3994	train	752781	100000	2013-07-01	2013-07-01 00:00:00	technical writer	Hyderabad	
3995	train	355888	320000	2013-07-01	present	associate software engineer	Bangalore	
3996	train	947111	200000	2014-07-01	2015-01-01 00:00:00	software developer	Asifabadbanglore	
3997	train	324966	400000	2013-02-01	present	senior systems engineer	Chennai	

3998 rows × 39 columns



```
In [ ]: data.head()
```

Out[]:

	Unnamed: 0	ID	Salary	DOJ	DOL	Designation	JobCity	Gender	DOB
0	train	203097	420000	2012-06-01	present	senior quality engineer	Bangalore	f	1990-02-19
1	train	579905	500000	2013-09-01	present	assistant manager	Indore	m	1989-10-04
2	train	810601	325000	2014-06-01	present	systems engineer	Chennai	f	1992-08-03
3	train	267447	1100000	2011-07-01	present	senior software engineer	Gurgaon	m	1989-12-05
4	train	343523	200000	2014-03-01	2015-03-01 00:00:00	get	Manesar	m	1991-02-27

5 rows × 39 columns



In []: data.shape

Out[]: (3998, 39)

In []: data.describe()

	ID	Salary	DOJ	DOB	10percentage
count	3.998000e+03	3.998000e+03	3998	3998	3998.000000
mean	6.637945e+05	3.076998e+05	2013-07-02 11:04:10.325162496	1990-12-06 06:01:15.637819008	77.925443
min	1.124400e+04	3.500000e+04	1991-06-01 00:00:00	1977-10-30 00:00:00	43.000000
25%	3.342842e+05	1.800000e+05	2012-10-01 00:00:00	1989-11-16 06:00:00	71.680000
50%	6.396000e+05	3.000000e+05	2013-11-01 00:00:00	1991-03-07 12:00:00	79.150000
75%	9.904800e+05	3.700000e+05	2014-07-01 00:00:00	1992-03-13 18:00:00	85.670000
max	1.298275e+06	4.000000e+06	2015-12-01 00:00:00	1997-05-27 00:00:00	97.760000
std	3.632182e+05	2.127375e+05	NaN	NaN	9.850162

8 rows × 29 columns



In []: data.info()

```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 3998 entries, 0 to 3997
Data columns (total 39 columns):
#   Column                                Non-Null Count  Dtype
---  -
0   Unnamed: 0                            3998 non-null   object
1   ID                                    3998 non-null   int64
2   Salary                              3998 non-null   int64
3   DOJ                                  3998 non-null   datetime64[ns]
4   DOL                                  3998 non-null   object
5   Designation                          3998 non-null   object
6   JobCity                             3998 non-null   object
7   Gender                              3998 non-null   object
8   DOB                                  3998 non-null   datetime64[ns]
9   10percentage                         3998 non-null   float64
10  10board                             3998 non-null   object
11  12graduation                         3998 non-null   int64
12  12percentage                         3998 non-null   float64
13  12board                             3998 non-null   object
14  CollegeID                           3998 non-null   int64
15  CollegeTier                         3998 non-null   int64
16  Degree                              3998 non-null   object
17  Specialization                      3998 non-null   object
18  collegeGPA                         3998 non-null   float64
19  CollegeCityID                      3998 non-null   int64
20  CollegeCityTier                    3998 non-null   int64
21  CollegeState                       3998 non-null   object
22  GraduationYear                     3998 non-null   int64
23  English                             3998 non-null   int64
24  Logical                             3998 non-null   int64
25  Quant                              3998 non-null   int64
26  Domain                             3998 non-null   float64
27  ComputerProgramming                3998 non-null   int64
28  ElectronicsAndSemicon               3998 non-null   int64
29  ComputerScience                    3998 non-null   int64
30  MechanicalEngg                     3998 non-null   int64
31  ElectricalEngg                     3998 non-null   int64
32  TelecomEngg                        3998 non-null   int64
33  CivilEngg                          3998 non-null   int64
34  conscientiousness                  3998 non-null   float64
35  agreeableness                      3998 non-null   float64
36  extraversion                       3998 non-null   float64
37  nueroticism                        3998 non-null   float64
38  openess_to_experience              3998 non-null   float64
dtypes: datetime64[ns](2), float64(9), int64(18), object(10)
memory usage: 1.2+ MB

```

```
In [ ]: data.columns
```

```

Out[ ]: Index(['Unnamed: 0', 'ID', 'Salary', 'DOJ', 'DOL', 'Designation', 'JobCity',
              'Gender', 'DOB', '10percentage', '10board', '12graduation',
              '12percentage', '12board', 'CollegeID', 'CollegeTier', 'Degree',
              'Specialization', 'collegeGPA', 'CollegeCityID', 'CollegeCityTier',
              'CollegeState', 'GraduationYear', 'English', 'Logical', 'Quant',
              'Domain', 'ComputerProgramming', 'ElectronicsAndSemicon',
              'ComputerScience', 'MechanicalEngg', 'ElectricalEngg', 'TelecomEngg',
              'CivilEngg', 'conscientiousness', 'agreeableness', 'extraversion',
              'nueroticism', 'openess_to_experience'],
              dtype='object')

```

```
In [ ]: data["DOL"].unique()
```

```
Out[ ]: array(['present', datetime.datetime(2015, 3, 1, 0, 0),
              datetime.datetime(2015, 5, 1, 0, 0),
              datetime.datetime(2015, 7, 1, 0, 0),
              datetime.datetime(2015, 4, 1, 0, 0),
              datetime.datetime(2014, 10, 1, 0, 0),
              datetime.datetime(2014, 9, 1, 0, 0),
              datetime.datetime(2014, 6, 1, 0, 0),
              datetime.datetime(2012, 9, 1, 0, 0),
              datetime.datetime(2013, 12, 1, 0, 0),
              datetime.datetime(2015, 6, 1, 0, 0),
              datetime.datetime(2013, 10, 1, 0, 0),
              datetime.datetime(2015, 1, 1, 0, 0),
              datetime.datetime(2014, 4, 1, 0, 0),
              datetime.datetime(2013, 6, 1, 0, 0),
              datetime.datetime(2012, 3, 1, 0, 0),
              datetime.datetime(2014, 7, 1, 0, 0),
              datetime.datetime(2013, 2, 1, 0, 0),
              datetime.datetime(2014, 1, 1, 0, 0),
              datetime.datetime(2013, 4, 1, 0, 0),
              datetime.datetime(2012, 7, 1, 0, 0),
              datetime.datetime(2014, 5, 1, 0, 0),
              datetime.datetime(2013, 9, 1, 0, 0),
              datetime.datetime(2015, 2, 1, 0, 0),
              datetime.datetime(2012, 1, 1, 0, 0),
              datetime.datetime(2015, 8, 1, 0, 0),
              datetime.datetime(2014, 8, 1, 0, 0),
              datetime.datetime(2015, 12, 1, 0, 0),
              datetime.datetime(2014, 12, 1, 0, 0),
              datetime.datetime(2012, 5, 1, 0, 0),
              datetime.datetime(2011, 3, 1, 0, 0),
              datetime.datetime(2011, 7, 1, 0, 0),
              datetime.datetime(2014, 2, 1, 0, 0),
              datetime.datetime(2011, 12, 1, 0, 0),
              datetime.datetime(2015, 10, 1, 0, 0),
              datetime.datetime(2014, 11, 1, 0, 0),
              datetime.datetime(2014, 3, 1, 0, 0),
              datetime.datetime(2011, 11, 1, 0, 0),
              datetime.datetime(2013, 5, 1, 0, 0),
              datetime.datetime(2013, 7, 1, 0, 0),
              datetime.datetime(2013, 11, 1, 0, 0),
              datetime.datetime(2011, 1, 1, 0, 0),
              datetime.datetime(2011, 5, 1, 0, 0),
              datetime.datetime(2012, 2, 1, 0, 0),
              datetime.datetime(2012, 11, 1, 0, 0),
              datetime.datetime(2012, 6, 1, 0, 0),
              datetime.datetime(2013, 8, 1, 0, 0),
              datetime.datetime(2005, 3, 1, 0, 0),
              datetime.datetime(2013, 3, 1, 0, 0),
              datetime.datetime(2012, 10, 1, 0, 0),
              datetime.datetime(2011, 2, 1, 0, 0),
              datetime.datetime(2010, 2, 1, 0, 0),
              datetime.datetime(2013, 1, 1, 0, 0),
              datetime.datetime(2011, 6, 1, 0, 0),
              datetime.datetime(2015, 9, 1, 0, 0),
              datetime.datetime(2012, 4, 1, 0, 0),
              datetime.datetime(2012, 8, 1, 0, 0),
              datetime.datetime(2011, 4, 1, 0, 0),
              datetime.datetime(2011, 10, 1, 0, 0),
              datetime.datetime(2015, 11, 1, 0, 0),
              datetime.datetime(2012, 12, 1, 0, 0),
```

```
datetime.datetime(2011, 9, 1, 0, 0),  
datetime.datetime(2010, 8, 1, 0, 0),  
datetime.datetime(2011, 8, 1, 0, 0),  
datetime.datetime(2009, 6, 1, 0, 0),  
datetime.datetime(2008, 3, 1, 0, 0),  
datetime.datetime(2010, 10, 1, 0, 0)], dtype=object)
```

```
In [ ]: data["ComputerScience"].unique()
```

```
Out[ ]: array([ -1, 407, 346, 376, 500, 438, 315, 253, 469, 192, 530, 284, 223,  
               561, 684, 592, 623, 653, 130, 715])
```

```
In [ ]: data=data.replace(-1,0)
```

```
In [ ]: data["ComputerScience"].unique()
```

```
Out[ ]: array([  0, 407, 346, 376, 500, 438, 315, 253, 469, 192, 530, 284, 223,  
               561, 684, 592, 623, 653, 130, 715])
```

```
In [ ]: data.info()
```

```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 3998 entries, 0 to 3997
Data columns (total 39 columns):
#   Column                                Non-Null Count  Dtype
---  -
0   Unnamed: 0                            3998 non-null   object
1   ID                                     3998 non-null   int64
2   Salary                                3998 non-null   int64
3   DOJ                                   3998 non-null   datetime64[ns]
4   DOL                                   3998 non-null   object
5   Designation                           3998 non-null   object
6   JobCity                               3998 non-null   object
7   Gender                                3998 non-null   object
8   DOB                                   3998 non-null   datetime64[ns]
9   10percentage                          3998 non-null   float64
10  10board                               3998 non-null   object
11  12graduation                           3998 non-null   int64
12  12percentage                           3998 non-null   float64
13  12board                                3998 non-null   object
14  CollegeID                             3998 non-null   int64
15  CollegeTier                           3998 non-null   int64
16  Degree                                 3998 non-null   object
17  Specialization                         3998 non-null   object
18  collegeGPA                            3998 non-null   float64
19  CollegeCityID                         3998 non-null   int64
20  CollegeCityTier                       3998 non-null   int64
21  CollegeState                           3998 non-null   object
22  GraduationYear                        3998 non-null   int64
23  English                               3998 non-null   int64
24  Logical                               3998 non-null   int64
25  Quant                                 3998 non-null   int64
26  Domain                                3998 non-null   float64
27  ComputerProgramming                   3998 non-null   int64
28  ElectronicsAndSemicon                  3998 non-null   int64
29  ComputerScience                       3998 non-null   int64
30  MechanicalEngg                        3998 non-null   int64
31  ElectricalEngg                        3998 non-null   int64
32  TelecomEngg                           3998 non-null   int64
33  CivilEngg                             3998 non-null   int64
34  conscientiousness                     3998 non-null   float64
35  agreeableness                         3998 non-null   float64
36  extraversion                          3998 non-null   float64
37  nueroticism                           3998 non-null   float64
38  openess_to_experience                  3998 non-null   float64
dtypes: datetime64[ns](2), float64(9), int64(18), object(10)
memory usage: 1.2+ MB

```

```
In [ ]: num=['Salary','10percentage','12percentage']
```

```
In [ ]: for col_name in num:
        print('*'*10,col_name,'*'10)
        print(data[col_name].
        agg(['min','max','mean','median','std','skew','kurt']))
        print()
```

***** Salary *****

```
min      3.500000e+04
max      4.000000e+06
mean     3.076998e+05
median   3.000000e+05
std      2.127375e+05
skew     6.451081e+00
kurt     8.093000e+01
Name: Salary, dtype: float64
```

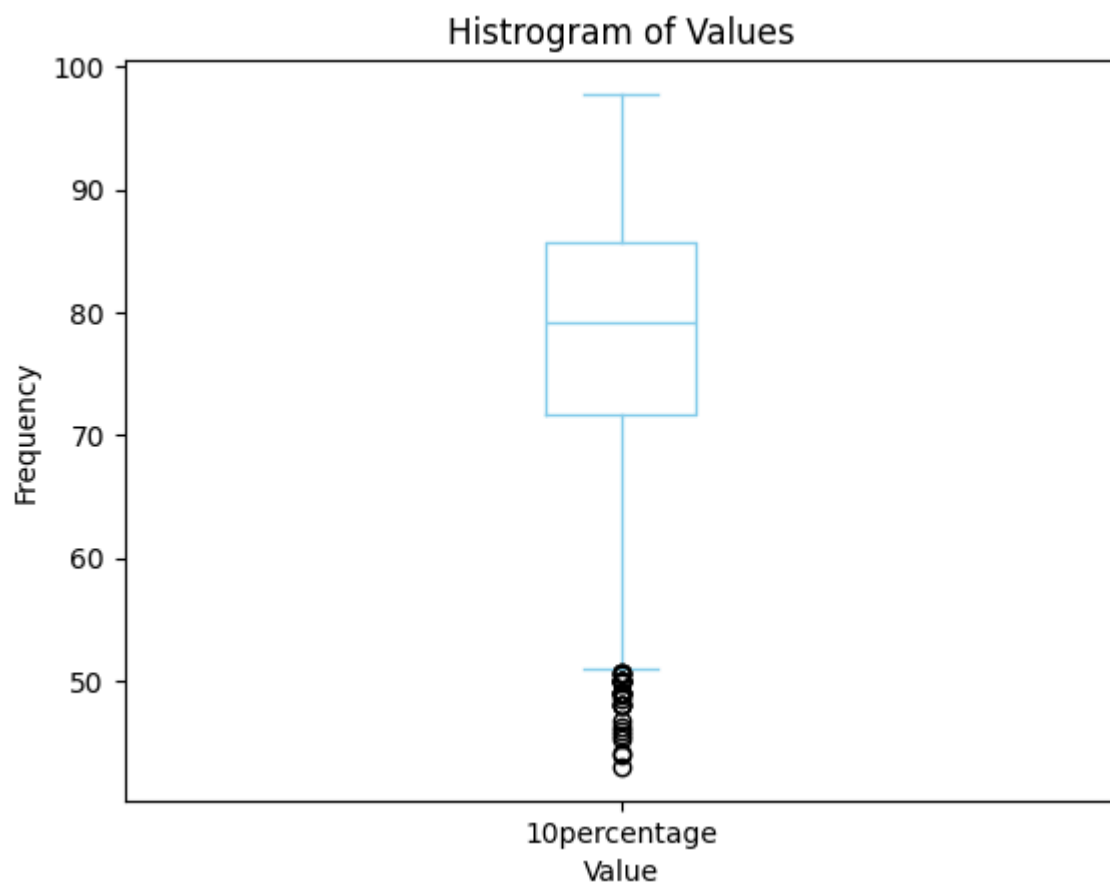
***** 10percentage *****

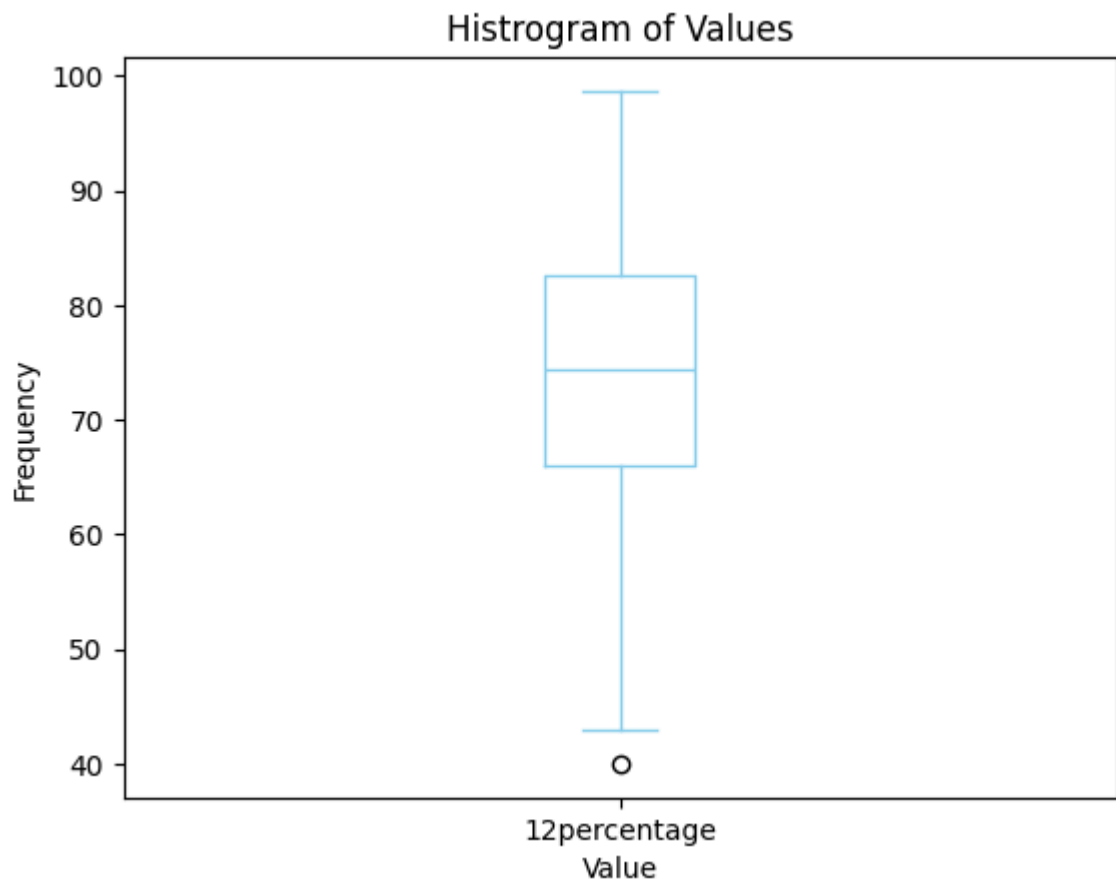
```
min      43.000000
max      97.760000
mean     77.925443
median   79.150000
std      9.850162
skew     -0.591019
kurt     -0.110284
Name: 10percentage, dtype: float64
```

***** 12percentage *****

```
min      40.000000
max      98.700000
mean     74.466366
median   74.400000
std      10.999933
skew     -0.032607
kurt     -0.630737
Name: 12percentage, dtype: float64
```

```
In [ ]: for col_name in num:
        data[col_name].plot(kind='box',color='skyblue')
        plt.xlabel('Value')
        plt.ylabel('Frequency')
        plt.title('Histogram of Values')
        plt.show()
```



```
In [ ]: num=['collegeGPA', 'GraduationYear', 'English']
```

```
In [ ]: for col_name in num:
    print('*'*10,col_name,'**'*10)
    print(data[col_name].
    agg(['min', 'max', 'mean', 'median', 'std', 'skew', 'kurt']))
    print()
```

***** collegeGPA *****

```
min      6.450000
max      99.930000
mean     71.486171
median   71.720000
std      8.167338
skew     -1.249209
kurt     10.234244
Name: collegeGPA, dtype: float64
```

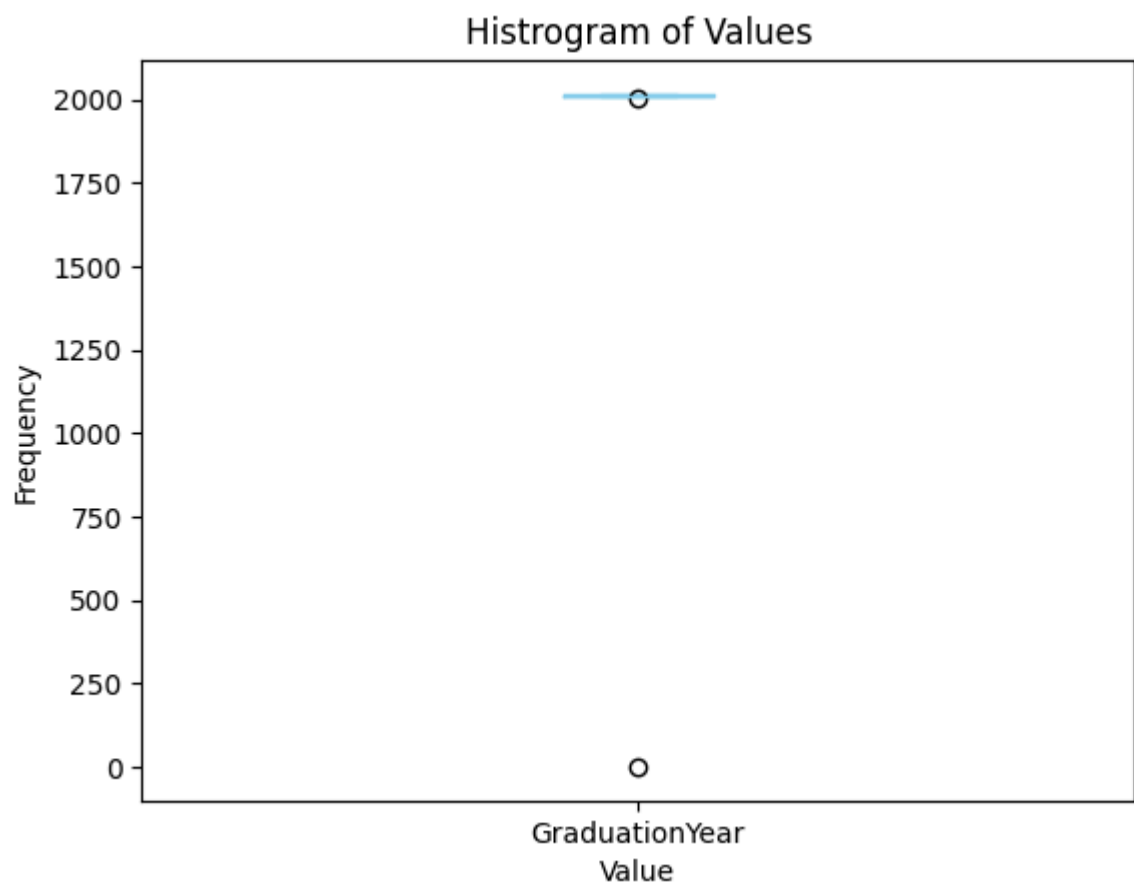
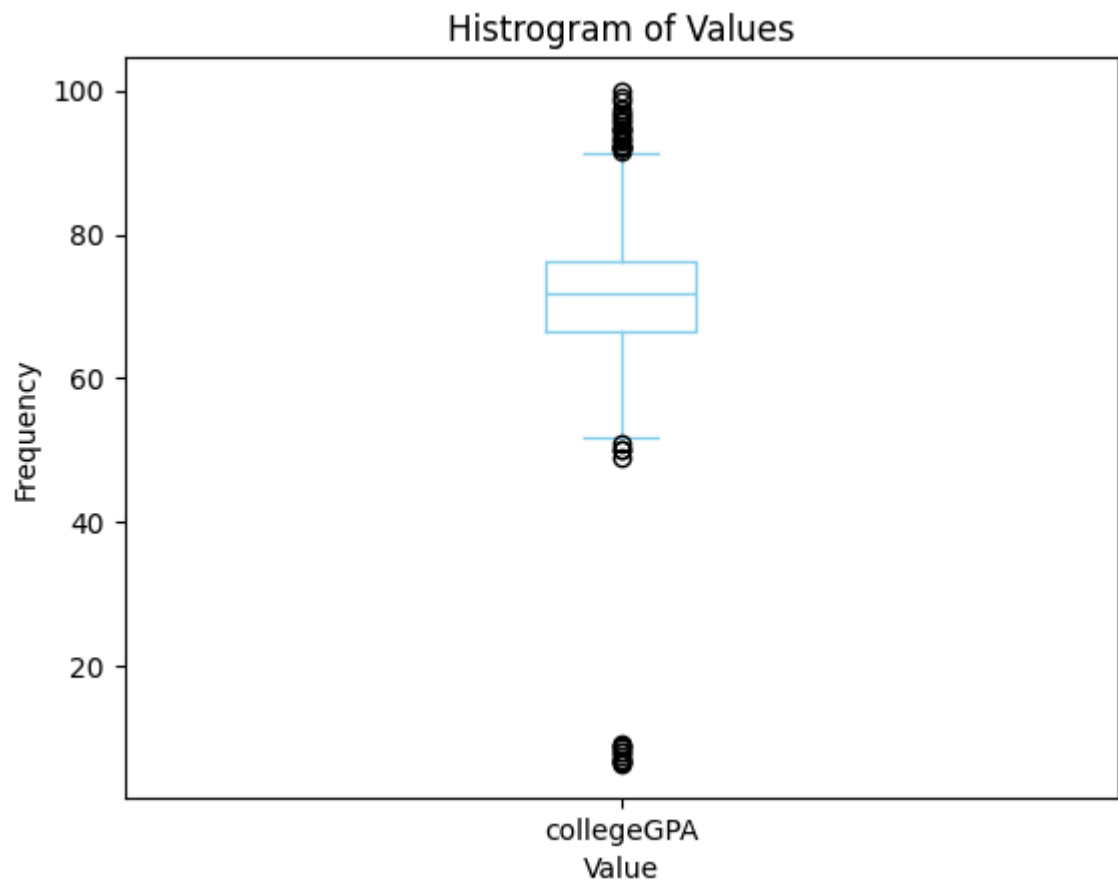
***** GraduationYear *****

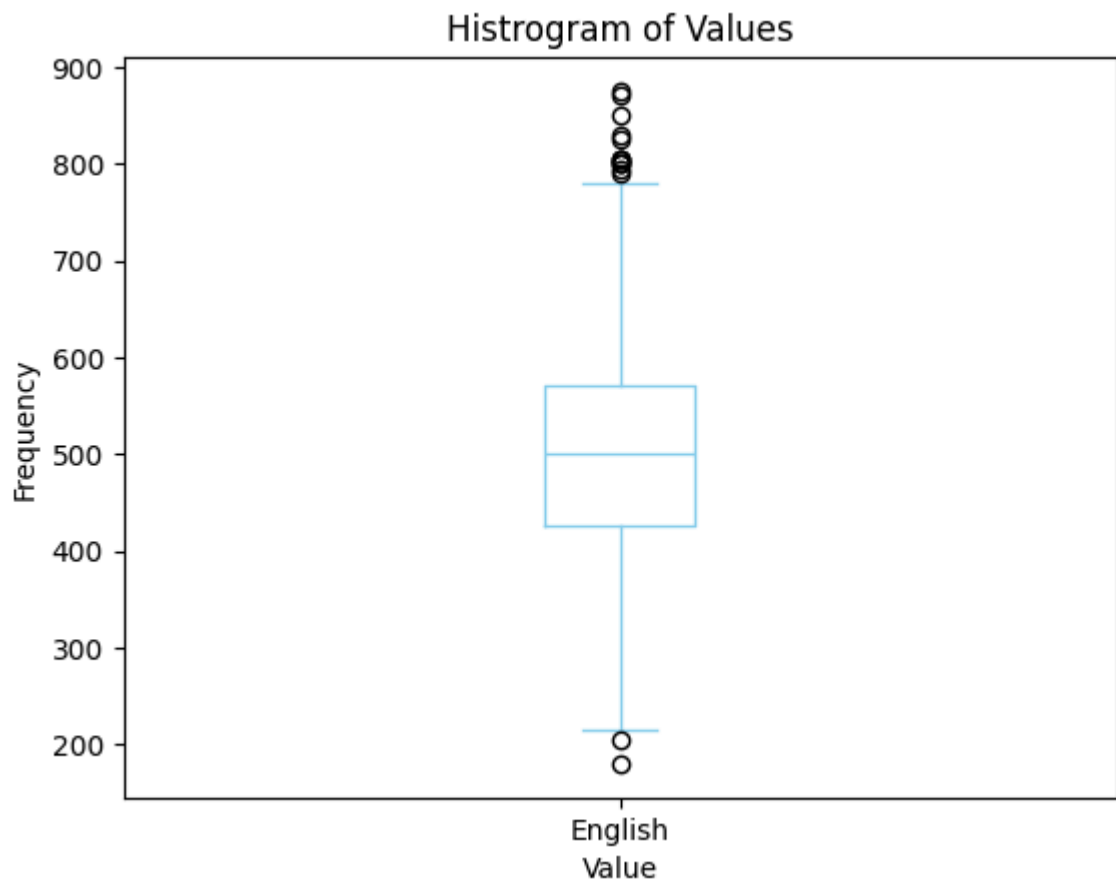
```
min      0.000000
max     2017.000000
mean     2012.105803
median   2013.000000
std      31.857271
skew     -63.068064
kurt     3984.369696
Name: GraduationYear, dtype: float64
```

***** English *****

```
min     180.000000
max     875.000000
mean    501.649075
median  500.000000
std     104.940021
skew     0.191997
kurt    -0.254133
Name: English, dtype: float64
```

```
In [ ]: for col_name in num:
        data[col_name].plot(kind='box',color='skyblue')
        plt.xlabel('Value')
        plt.ylabel('Frequency')
        plt.title('Histogram of Values')
        plt.show()
```





```
In [ ]: num=['Logical','ComputerProgramming','ElectronicsAndSemicon']
```

```
In [ ]: for col_name in num:
    print('*'*10,col_name,'*'*10)
    print(data[col_name].
    agg(['min','max','mean','median','std','skew','kurt']))
    print()
```

***** Logical *****

```
min      195.000000
max      795.000000
mean     501.598799
median   505.000000
std      86.783297
skew     -0.216602
kurt     -0.224761
Name: Logical, dtype: float64
```

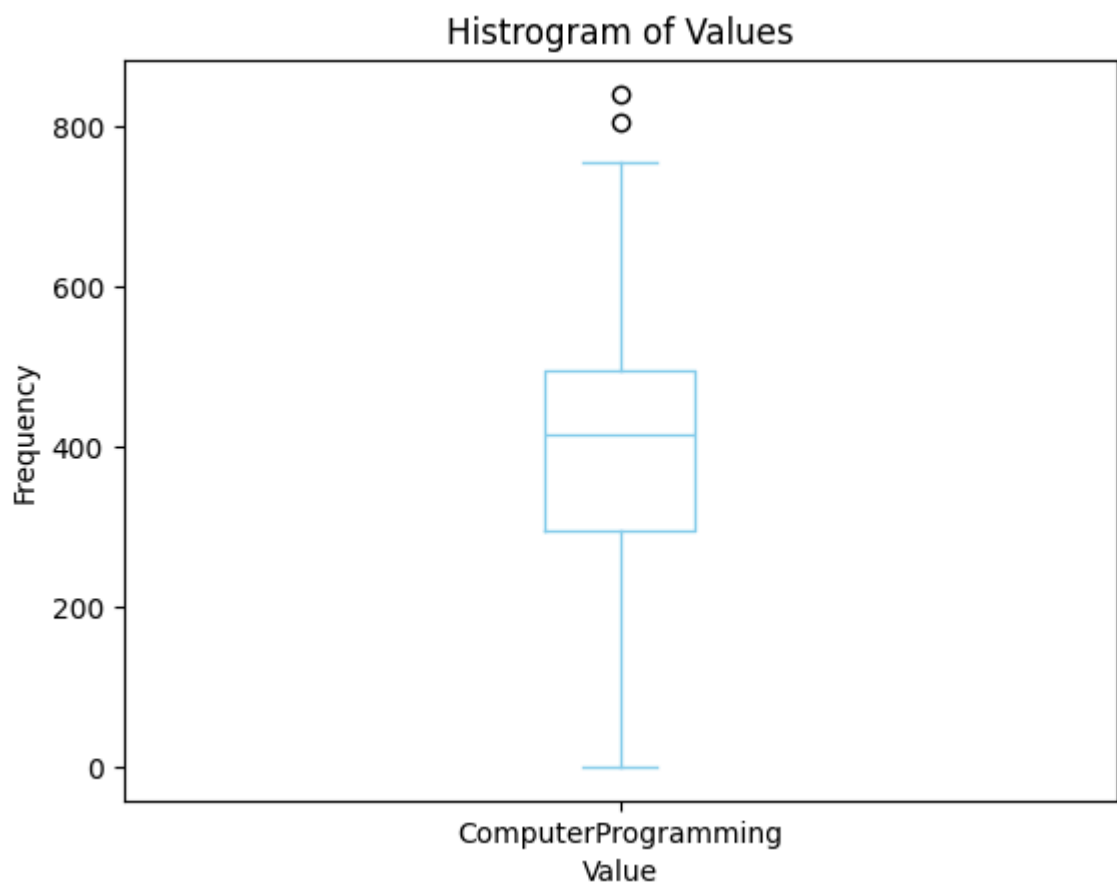
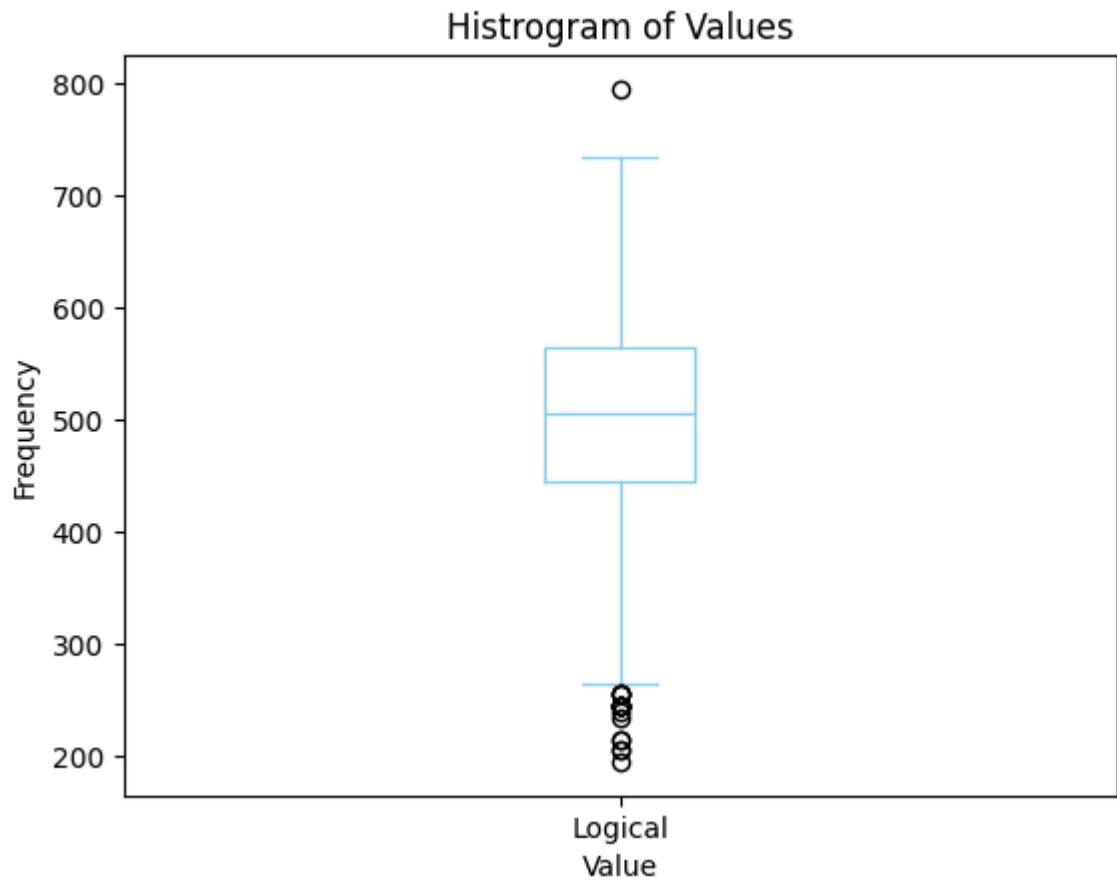
***** ComputerProgramming *****

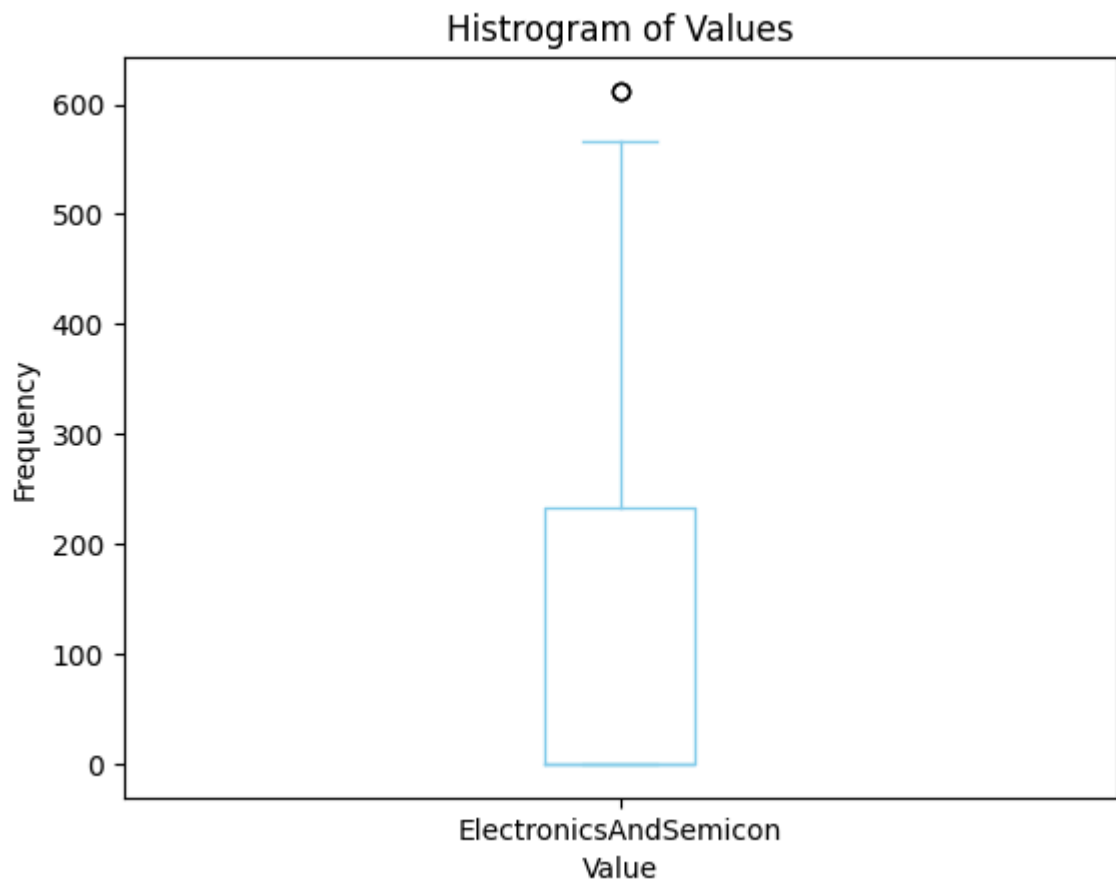
```
min      0.000000
max     840.000000
mean    353.319910
median  415.000000
std    204.981129
skew   -0.776093
kurt   -0.667741
Name: ComputerProgramming, dtype: float64
```

***** ElectronicsAndSemicon *****

```
min      0.000000
max     612.000000
mean     96.042271
median    0.000000
std    157.806602
skew     1.197314
kurt    -0.205359
Name: ElectronicsAndSemicon, dtype: float64
```

```
In [ ]: for col_name in num:
        data[col_name].plot(kind='box',color='skyblue')
        plt.xlabel('Value')
        plt.ylabel('Frequency')
        plt.title('Histogram of Values')
        plt.show()
```





```
In [ ]: num=['ComputerScience','MechanicalEngg','ElectricalEngg']
```

```
In [ ]: for col_name in num:
    print('*'*10,col_name,'**'*10)
    print(data[col_name].
    agg(['min','max','mean','median','std','skew','kurt']))
    print()
```


***** ComputerScience *****

min 0.000000
max 715.000000
mean 91.516758
median 0.000000
std 174.867677
skew 1.530511
kurt 0.697248

Name: ComputerScience, dtype: float64

***** MechanicalEngg *****

min 0.000000
max 623.000000
mean 23.915958
median 0.000000
std 97.893295
skew 4.030835
kurt 15.032665

Name: MechanicalEngg, dtype: float64

***** ElectricalEngg *****

min 0.000000
max 676.000000
mean 17.438469
median 0.000000
std 87.394072
skew 5.062039
kurt 24.899819

Name: ElectricalEngg, dtype: float64

***** TelecomEngg *****

min 0.000000
max 548.000000
mean 32.757629
median 0.000000
std 104.568796
skew 3.042584
kurt 7.821100

Name: TelecomEngg, dtype: float64

***** CivilEngg *****

min 0.000000
max 516.000000
mean 3.673337
median 0.000000
std 36.559052
skew 10.319461
kurt 109.142713

Name: CivilEngg, dtype: float64

***** conscientiousness *****

min -4.126700
max 1.995300
mean -0.037831
median 0.046400
std 1.028666
skew -0.527003
kurt 0.122596

Name: conscientiousness, dtype: float64

***** agreeableness *****

min -5.781600
max 1.904800
mean 0.146496
median 0.212400
std 0.941782
skew -1.204915
kurt 3.391242

Name: agreeableness, dtype: float64

***** extraversion *****

min -4.600900
max 2.535400
mean 0.002763
median 0.091400
std 0.951471
skew -0.523267
kurt 0.643969

Name: extraversion, dtype: float64

***** nueroticism *****

min -2.643000
max 3.352500
mean -0.169033
median -0.234400
std 1.007580
skew 0.165710
kurt -0.191539

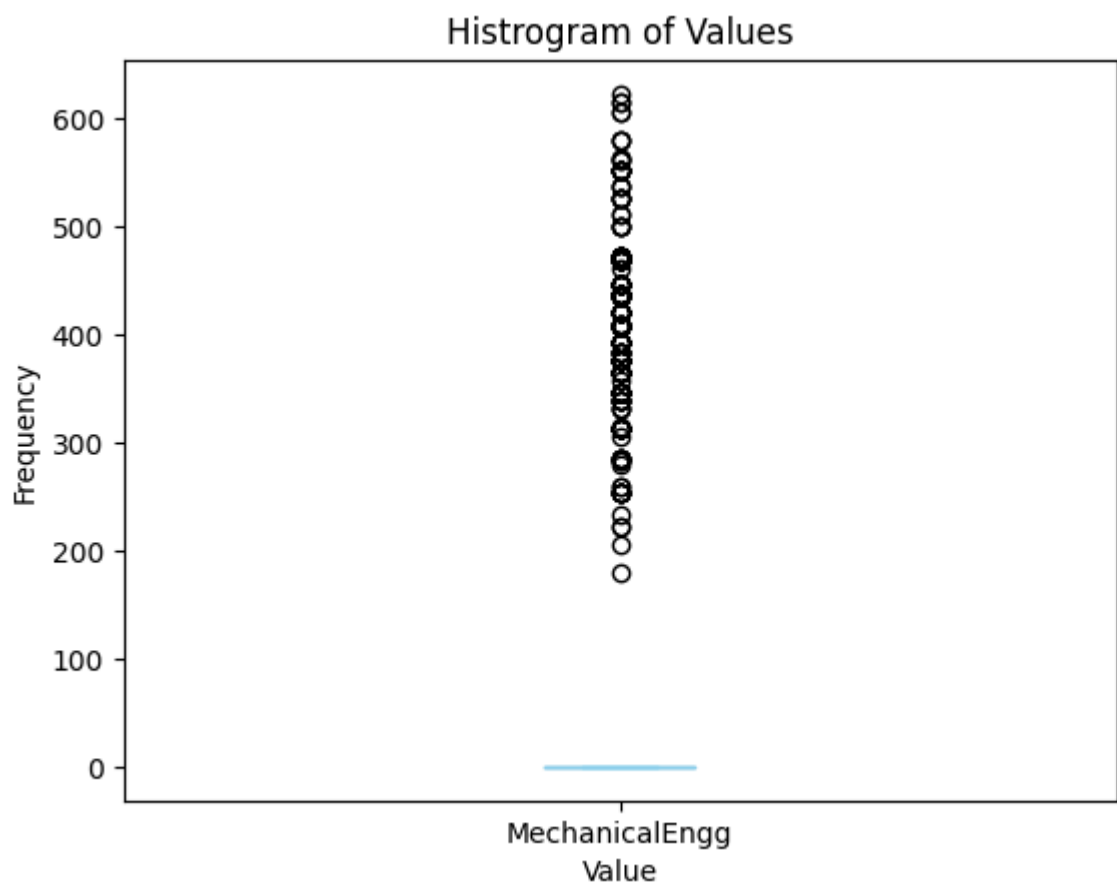
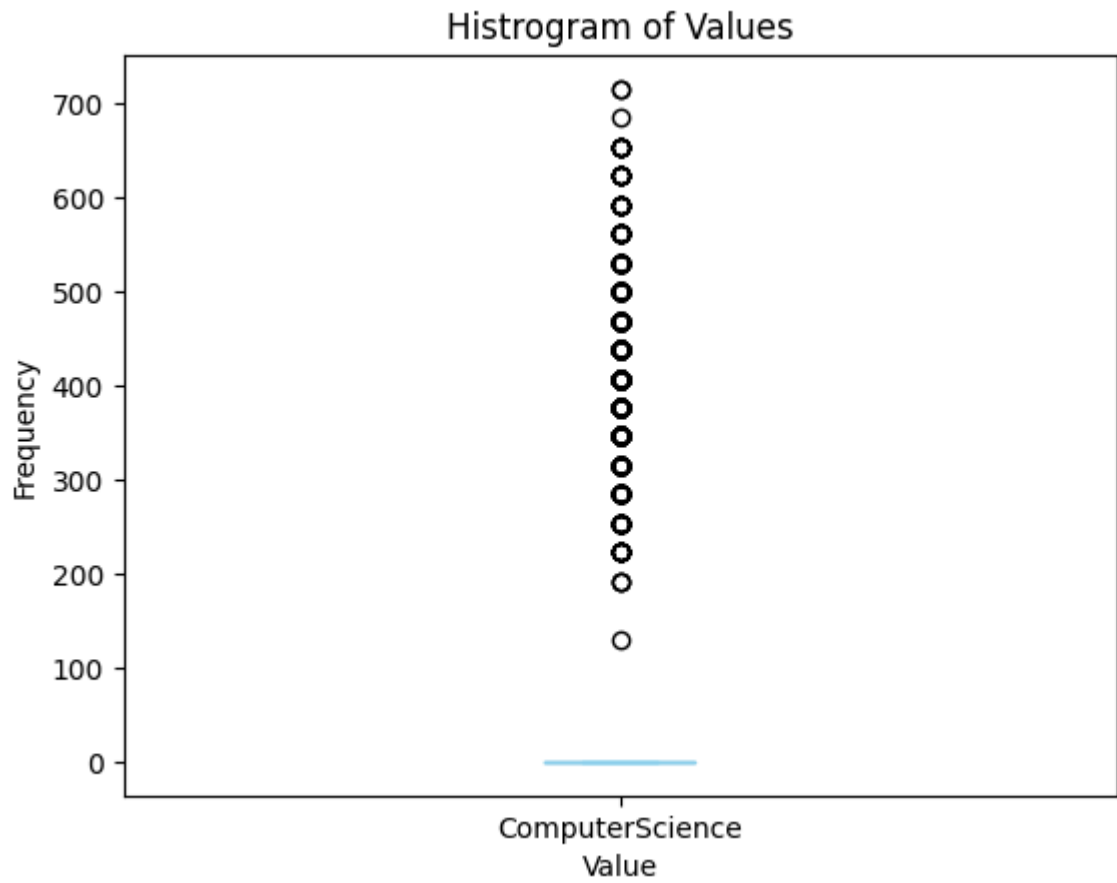
Name: nueroticism, dtype: float64

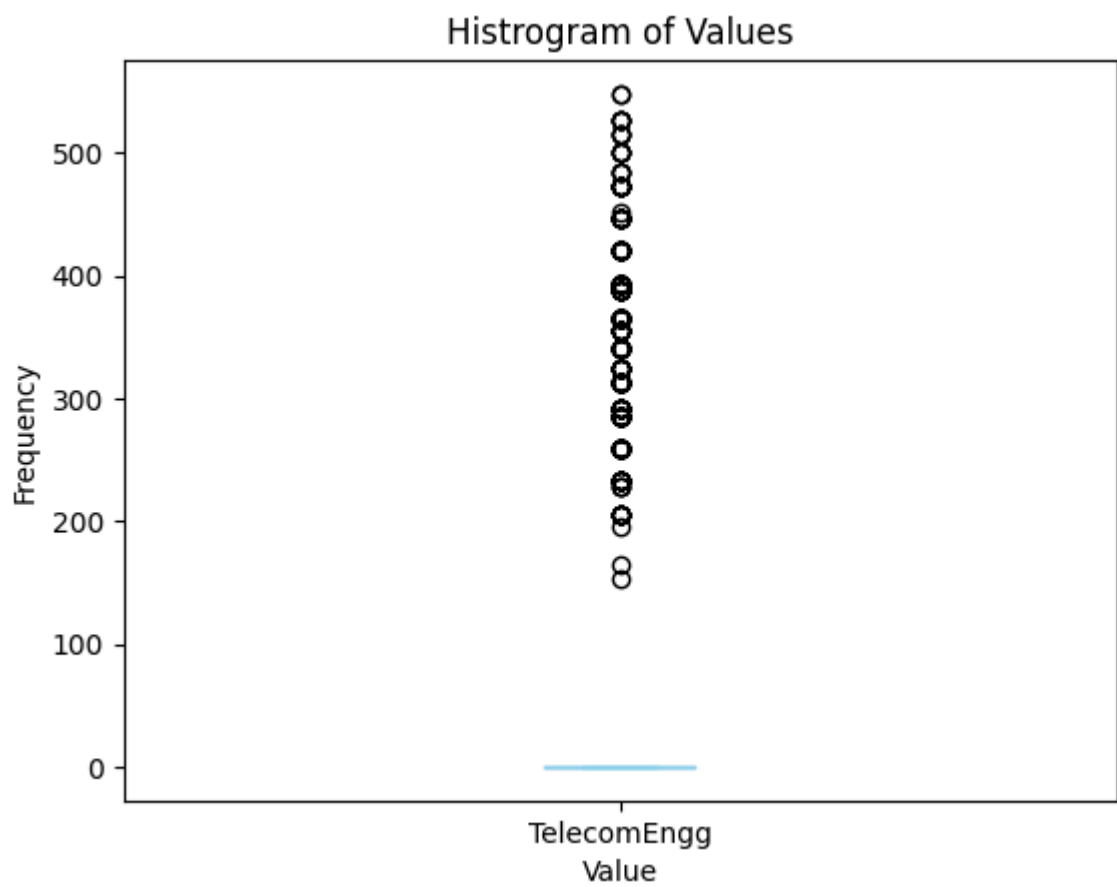
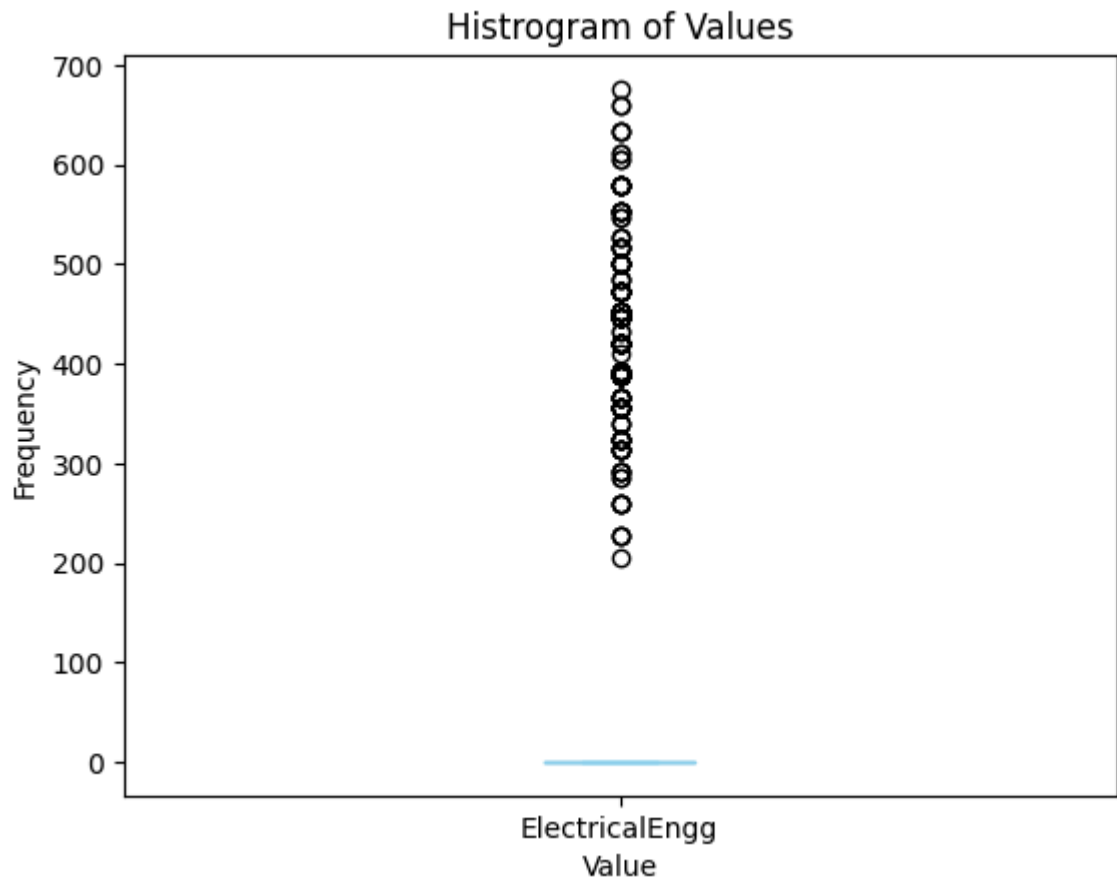
***** openess_to_experience *****

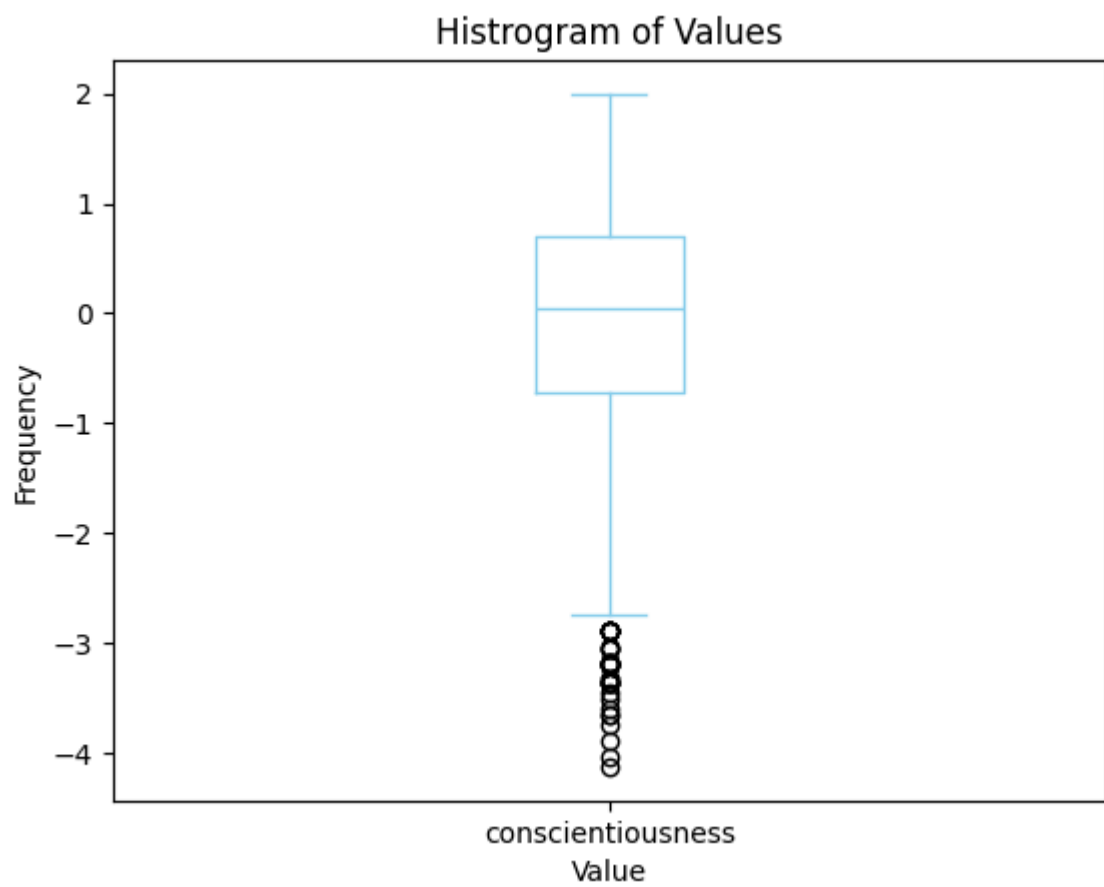
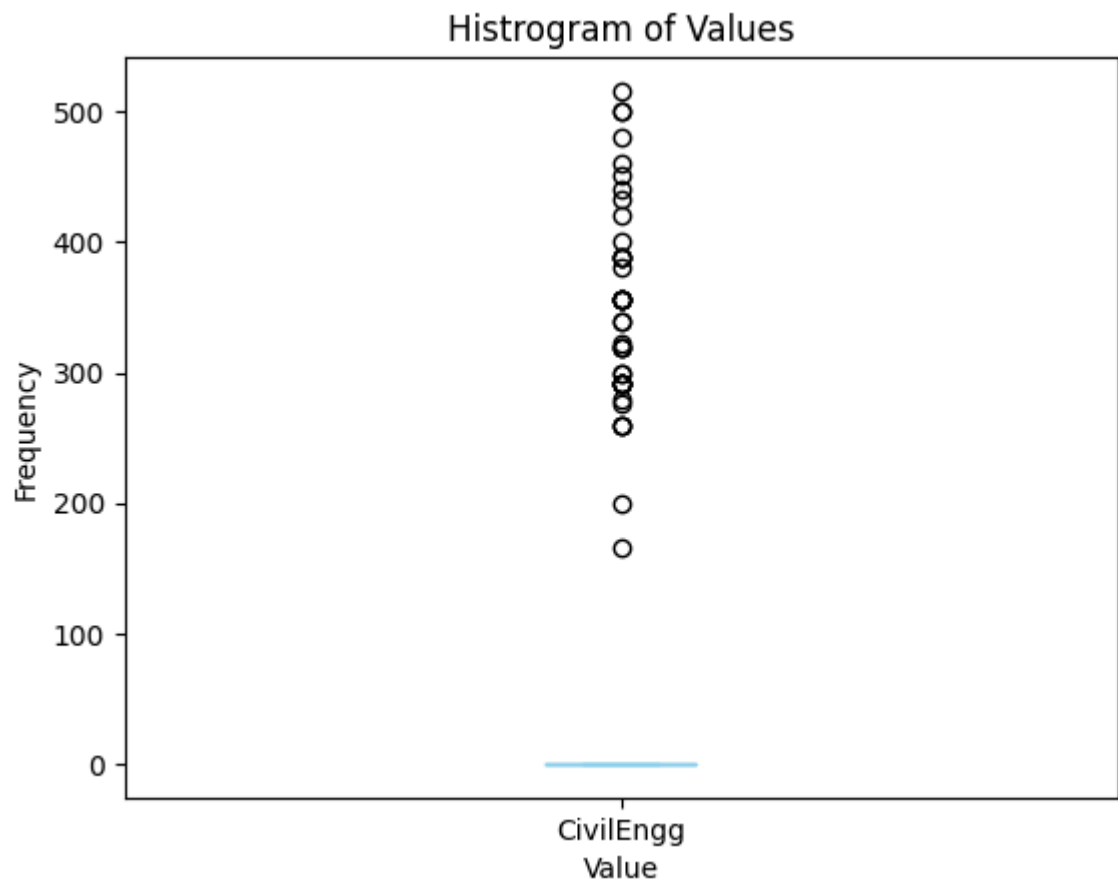
min -7.375700
max 1.822400
mean -0.138110
median -0.094300
std 1.008075
skew -1.506962
kurt 5.788327

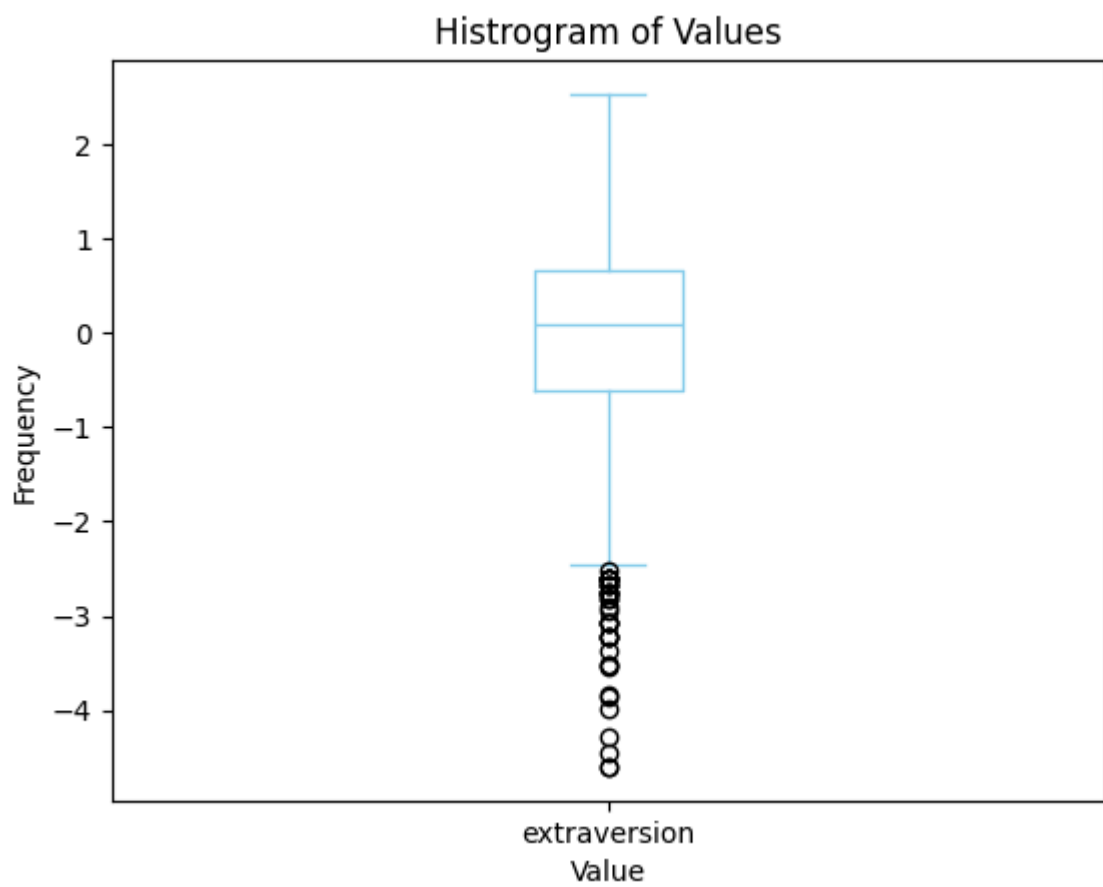
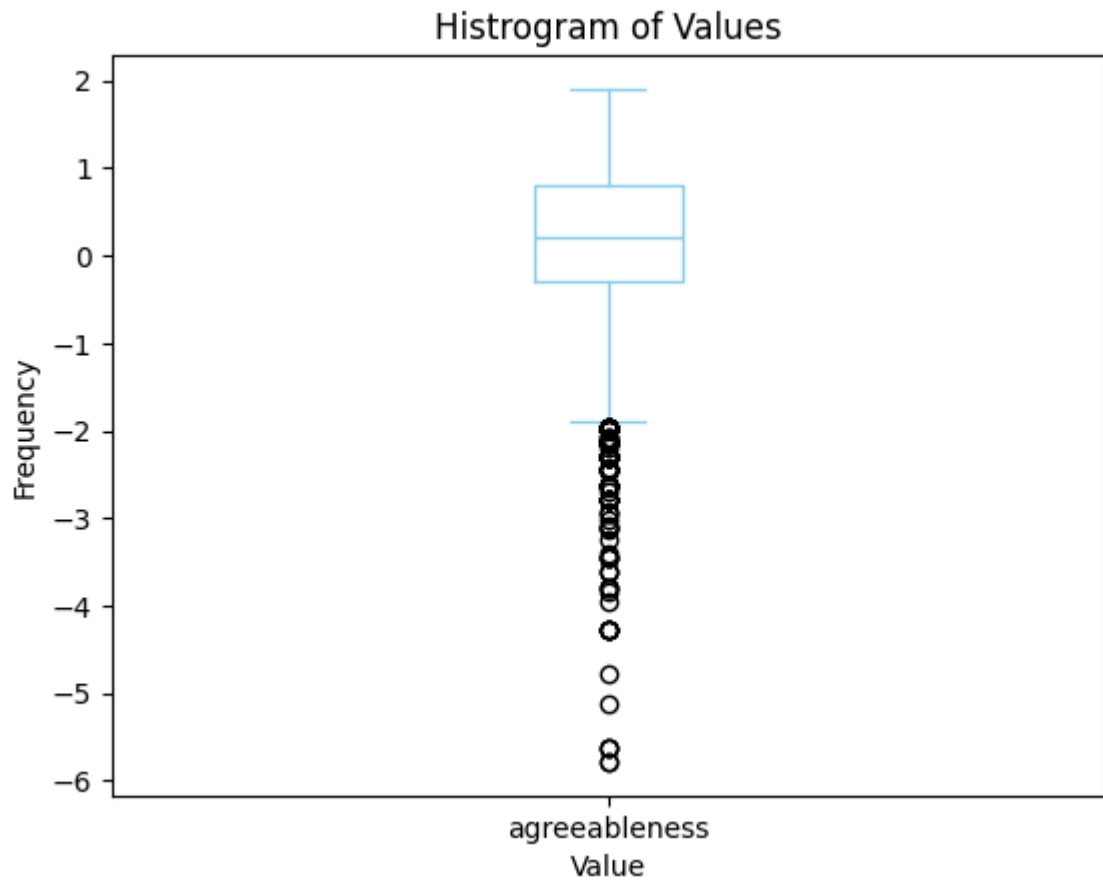
Name: openess_to_experience, dtype: float64

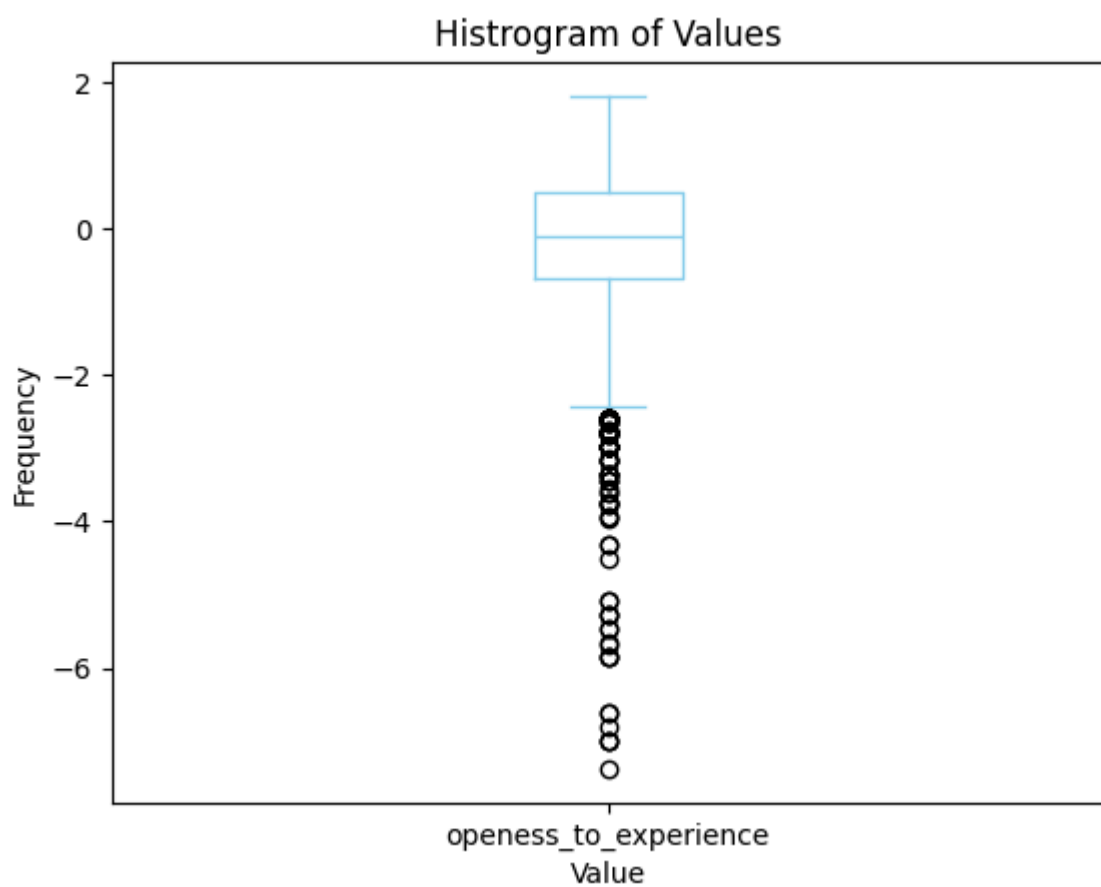
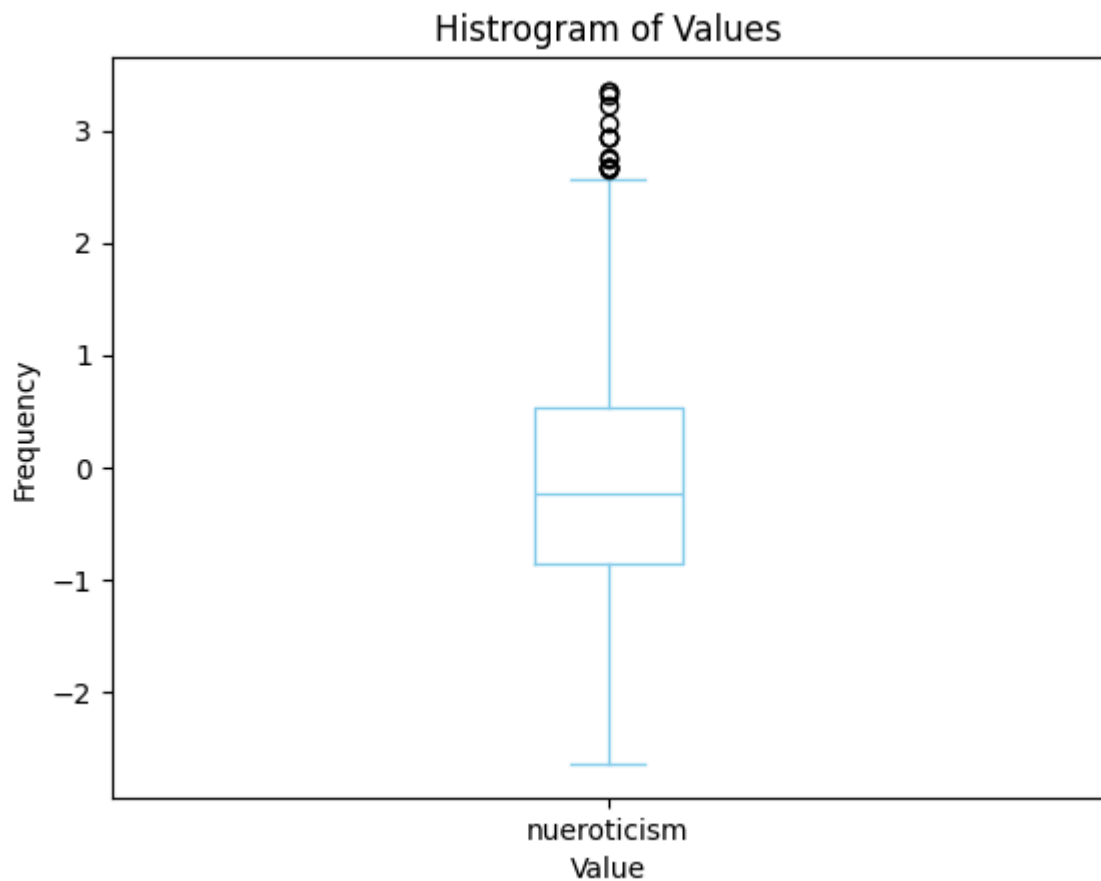
```
In [ ]: for col_name in num:
        data[col_name].plot(kind='box',color='skyblue')
        plt.xlabel('Value')
        plt.ylabel('Frequency')
        plt.title('Histogram of Values')
        plt.show()
```











```
In [ ]: num=['TelecomEngg','CivilEngg','conscientiousness']
```

```
In [ ]: for col_name in num:
          print('***10,col_name,***10)
          print(data[col_name].
```

```
agg(['min','max','mean','median','std','skew','kurt']))  
print()
```

***** TelecomEngg *****

```
min      0.000000  
max      548.000000  
mean     32.757629  
median   0.000000  
std      104.568796  
skew     3.042584  
kurt     7.821100  
Name: TelecomEngg, dtype: float64
```

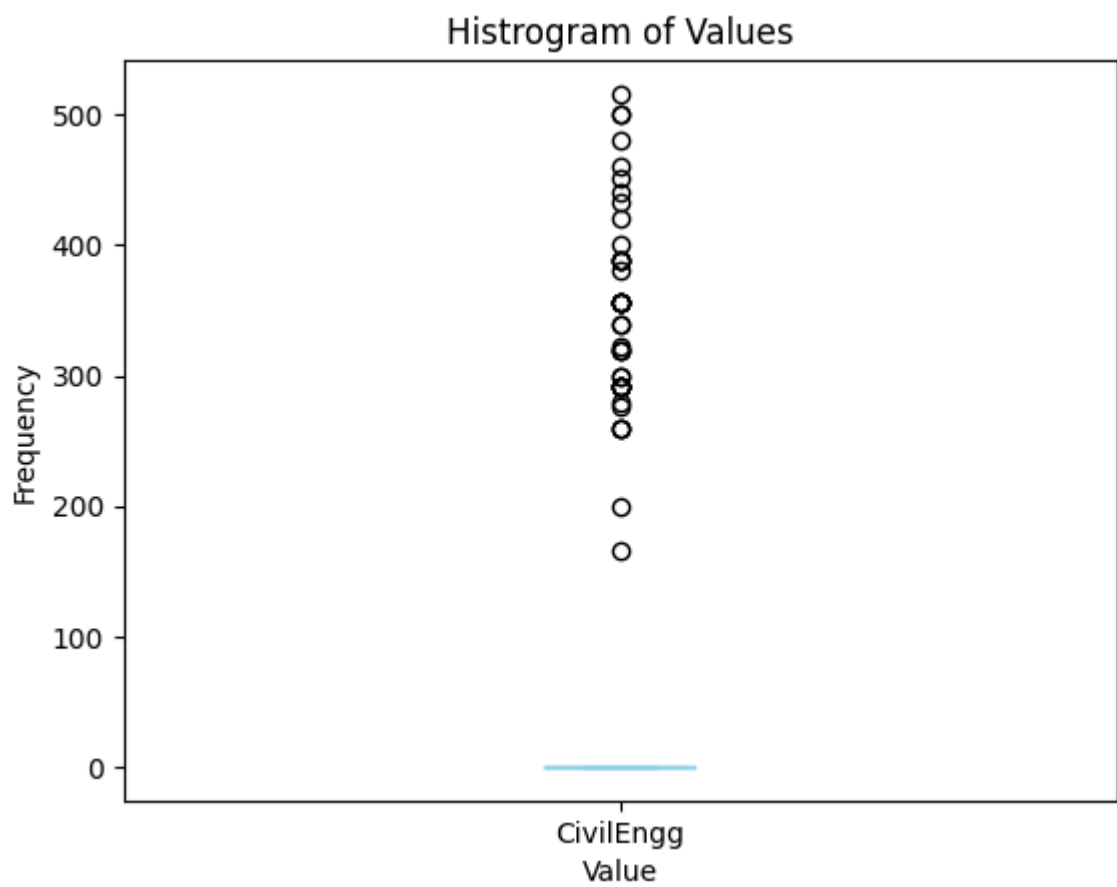
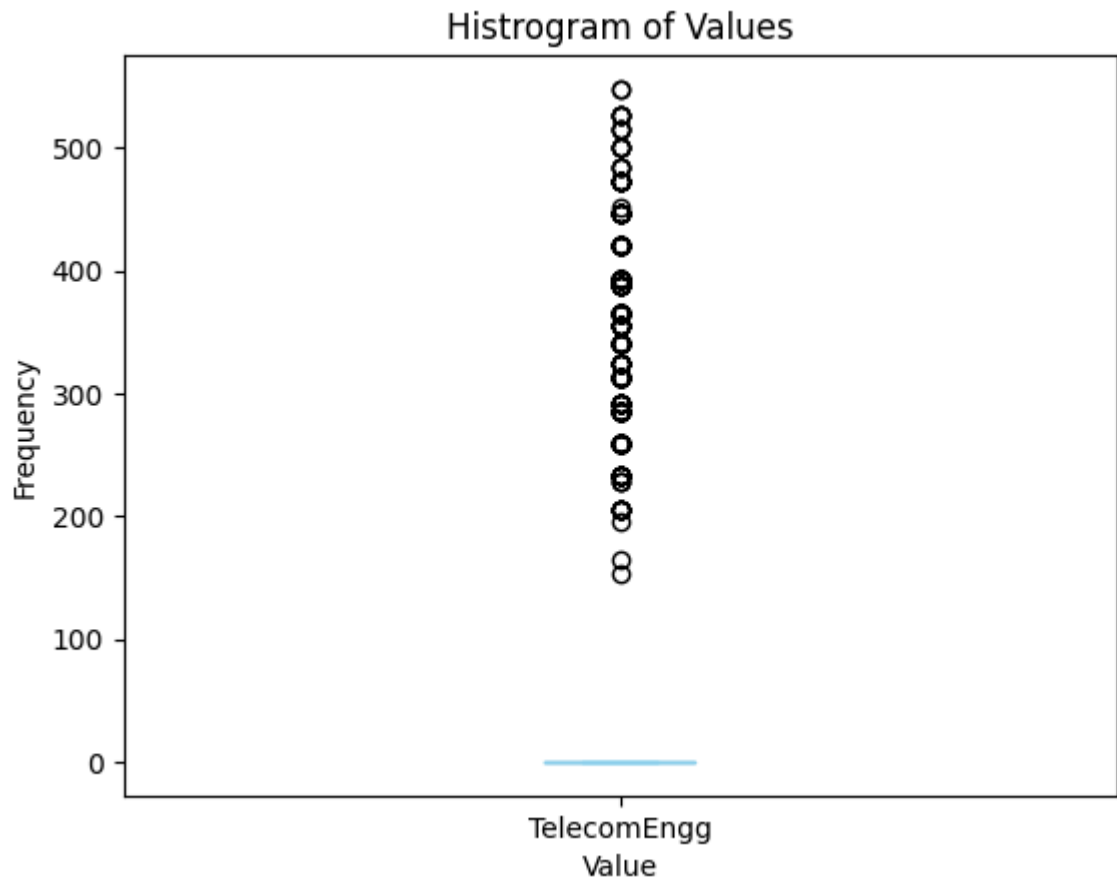
***** CivilEngg *****

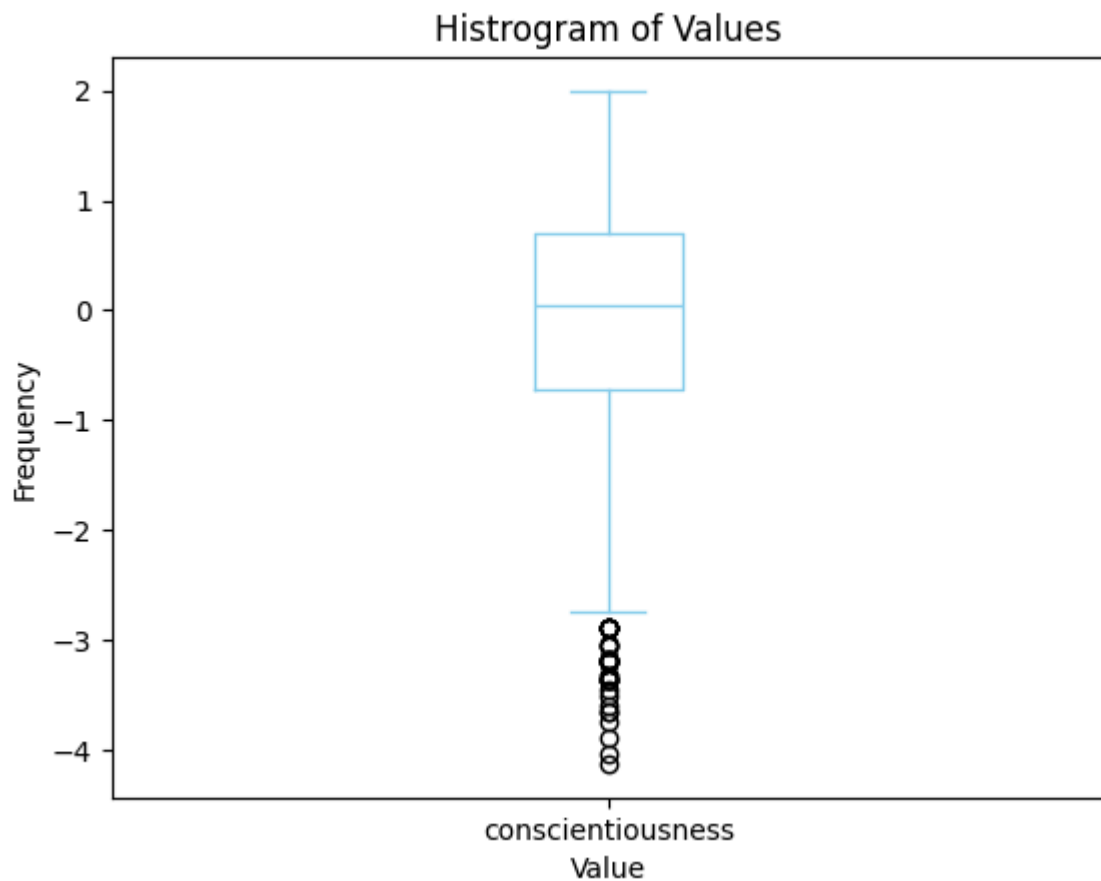
```
min      0.000000  
max      516.000000  
mean     3.673337  
median   0.000000  
std      36.559052  
skew     10.319461  
kurt     109.142713  
Name: CivilEngg, dtype: float64
```

***** conscientiousness *****

```
min      -4.126700  
max       1.995300  
mean     -0.037831  
median   0.046400  
std       1.028666  
skew     -0.527003  
kurt      0.122596  
Name: conscientiousness, dtype: float64
```

```
In [ ]: for col_name in num:  
        data[col_name].plot(kind='box',color='skyblue')  
        plt.xlabel('Value')  
        plt.ylabel('Frequency')  
        plt.title('Histogram of Values')  
        plt.show()
```



```
In [ ]: num=['agreeableness','extraversion','nueroticism']
```

```
In [ ]: for col_name in num:
    print('*'*10,col_name,'**'*10)
    print(data[col_name].
    agg(['min','max','mean','median','std','skew','kurt']))
    print()
```

***** agreeableness *****

min -5.781600
max 1.904800
mean 0.146496
median 0.212400
std 0.941782
skew -1.204915
kurt 3.391242

Name: agreeableness, dtype: float64

***** extraversion *****

min -4.600900
max 2.535400
mean 0.002763
median 0.091400
std 0.951471
skew -0.523267
kurt 0.643969

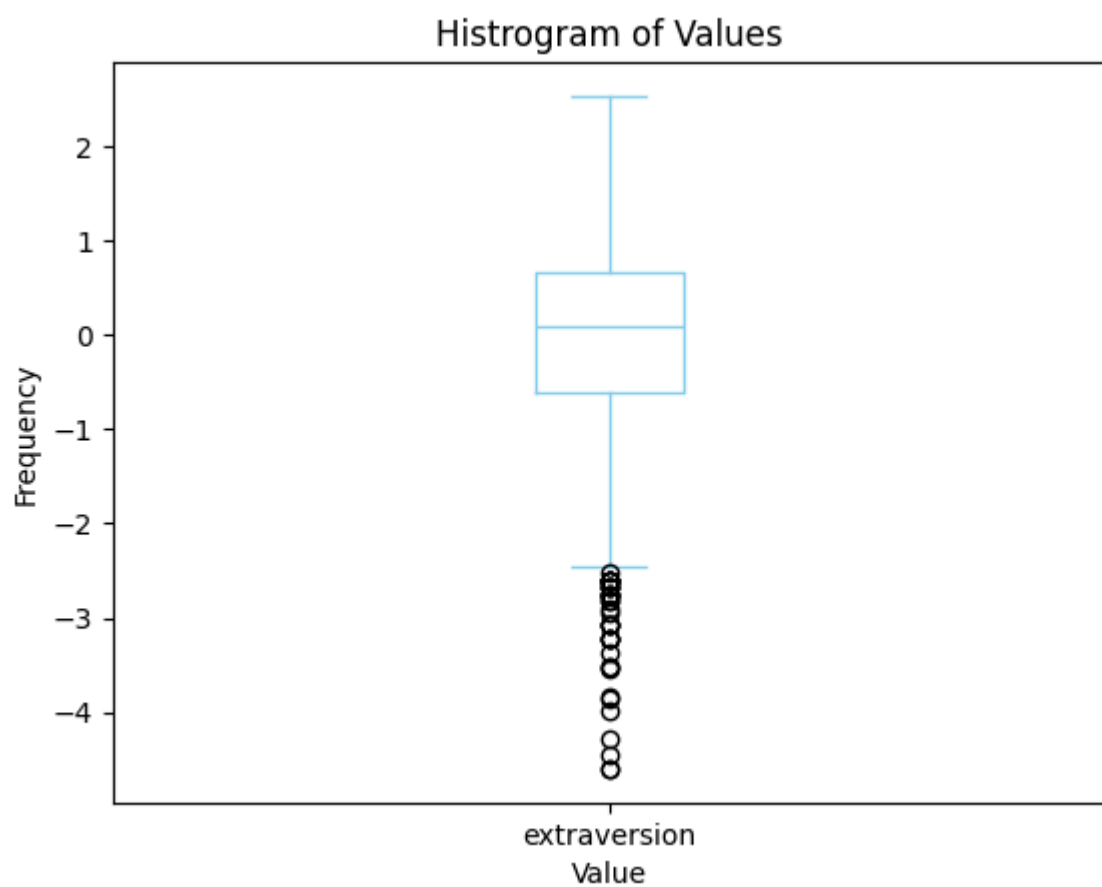
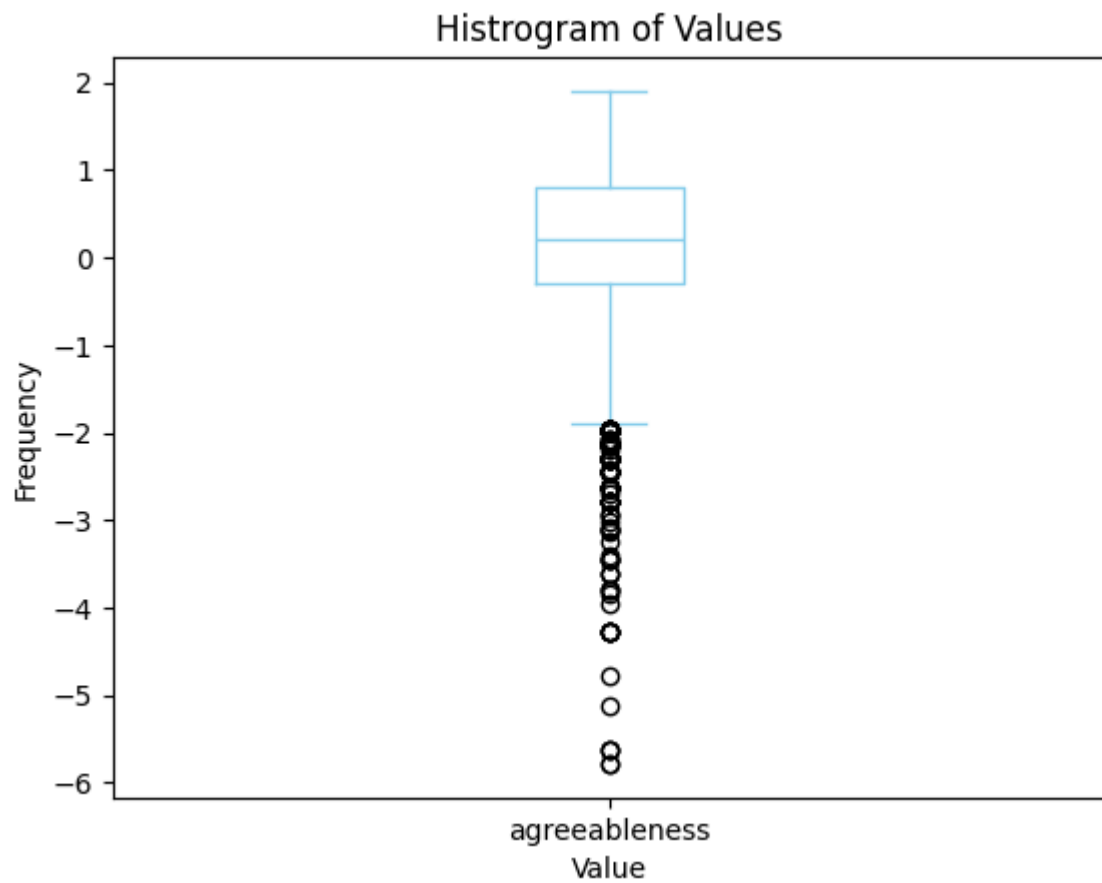
Name: extraversion, dtype: float64

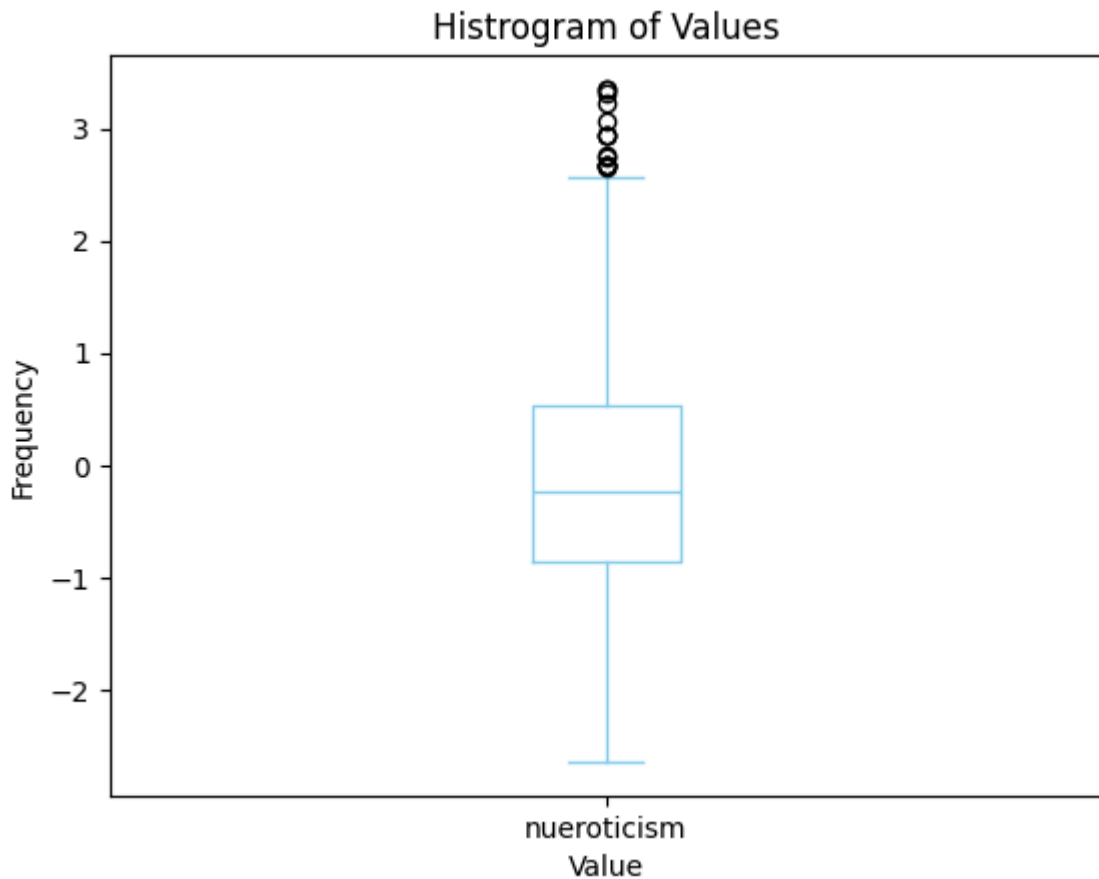
***** nueroticism *****

min -2.643000
max 3.352500
mean -0.169033
median -0.234400
std 1.007580
skew 0.165710
kurt -0.191539

Name: nueroticism, dtype: float64

```
In [ ]: for col_name in num:
        data[col_name].plot(kind='box',color='skyblue')
        plt.xlabel('Value')
        plt.ylabel('Frequency')
        plt.title('Histogram of Values')
        plt.show()
```



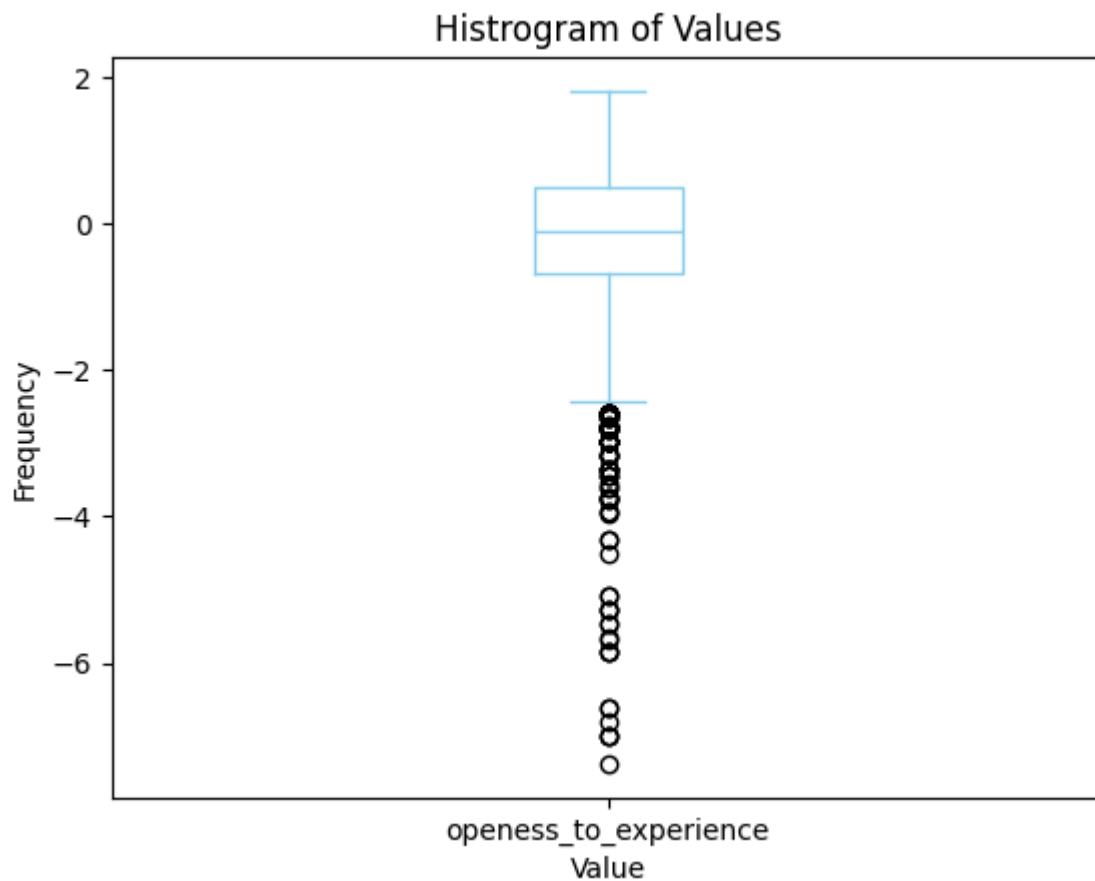


```
In [ ]: num=['openess_to_experience']
```

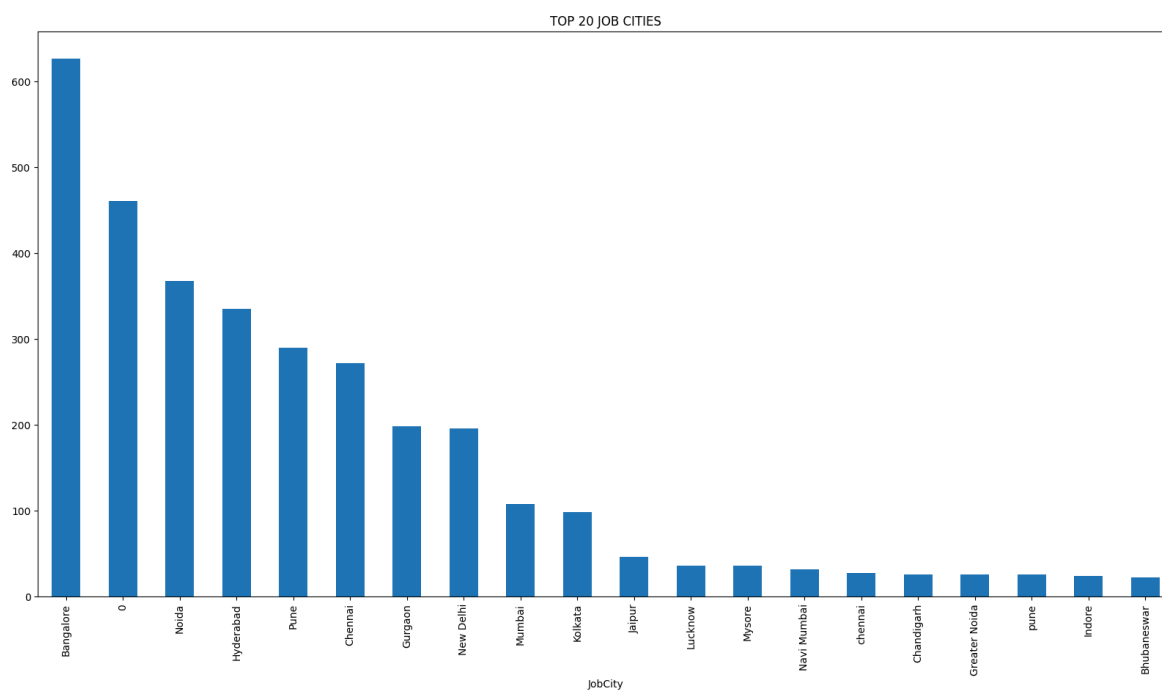
```
In [ ]: for col_name in num:
    print('***10,col_name,***10)
    print(data[col_name].
    agg(['min','max','mean','median','std','skew','kurt']))
    print()
```

```
***** openess_to_experience *****
min      -7.375700
max       1.822400
mean     -0.138110
median   -0.094300
std       1.008075
skew     -1.506962
kurt      5.788327
Name: openess_to_experience, dtype: float64
```

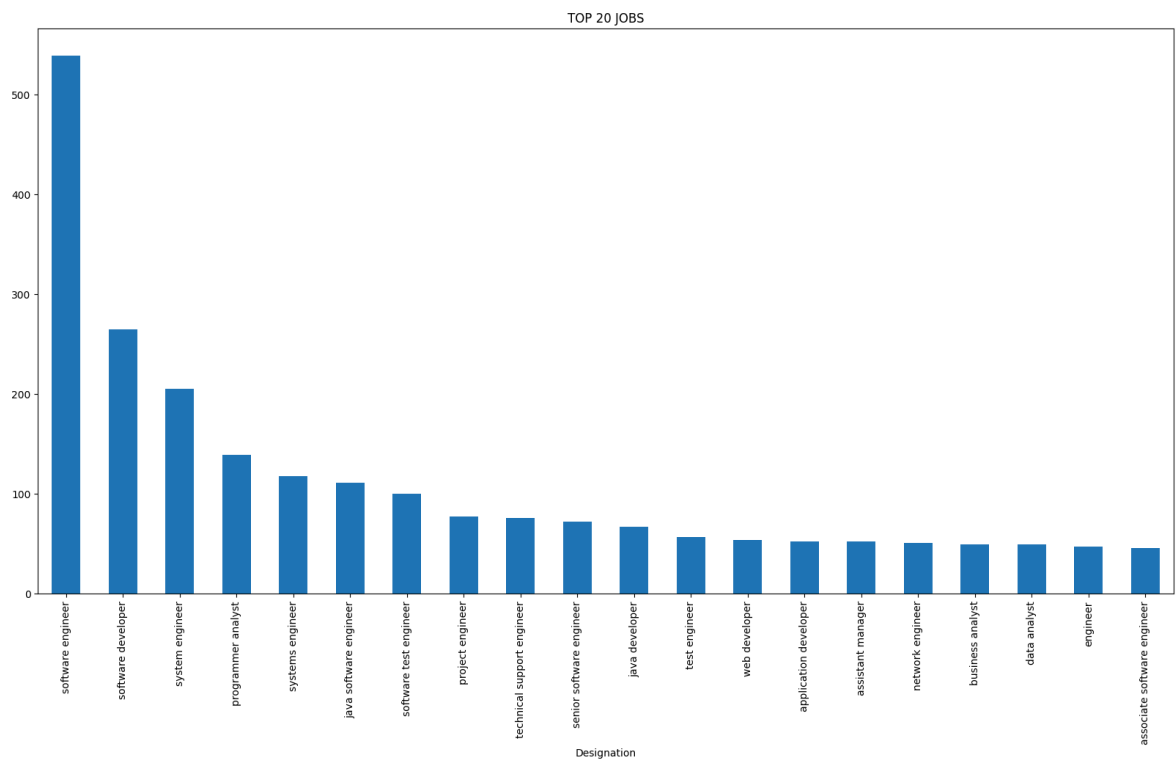
```
In [ ]: for col_name in num:
    data[col_name].plot(kind='box',color='skyblue')
    plt.xlabel('Value')
    plt.ylabel('Frequency')
    plt.title('Histogram of Values')
    plt.show()
```



```
In [ ]: plt.figure(figsize=(20,10))
city=data['JobCity'].value_counts()[:20].plot.bar()
plt.title('TOP 20 JOB CITIES')
plt.show()
```

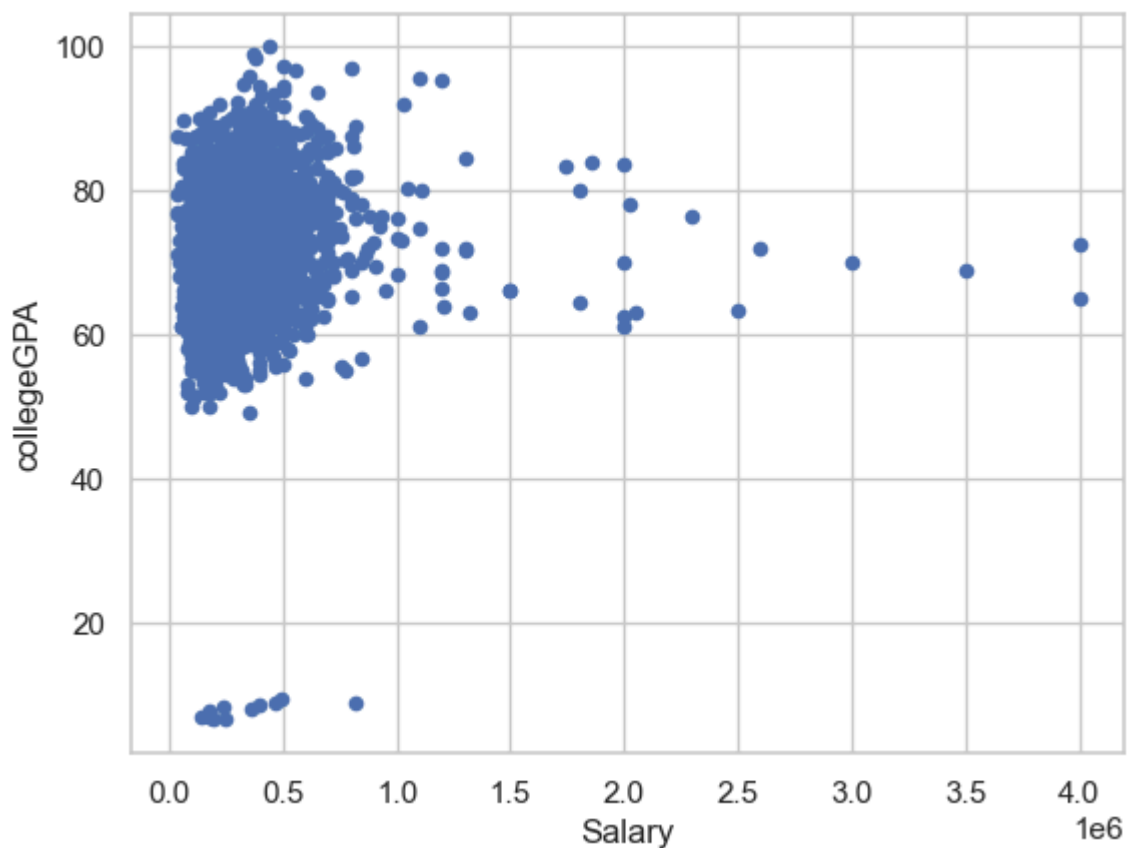


```
In [ ]: plt.figure(figsize=(20,10))
city=data['Designation'].value_counts()[:20].plot.bar()
plt.title('TOP 20 JOBS')
plt.show()
```



```
In [ ]: data.plot.scatter('Salary', 'collegeGPA')
```

```
Out[ ]: <Axes: xlabel='Salary', ylabel='collegeGPA'>
```

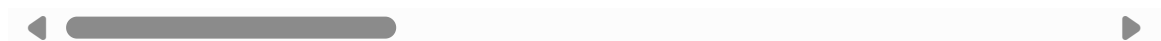


```
In [ ]: data
```

Out[]:

	Unnamed: 0	ID	Salary	DOJ	DOL	Designation	JobCity	Gen
0	train	203097	420000	2012-06-01	present	senior quality engineer	Bangalore	
1	train	579905	500000	2013-09-01	present	assistant manager	Indore	
2	train	810601	325000	2014-06-01	present	systems engineer	Chennai	
3	train	267447	1100000	2011-07-01	present	senior software engineer	Gurgaon	
4	train	343523	200000	2014-03-01	2015-03-01 00:00:00	get	Manesar	
...
3993	train	47916	280000	2011-10-01	2012-10-01 00:00:00	software engineer	New Delhi	
3994	train	752781	100000	2013-07-01	2013-07-01 00:00:00	technical writer	Hyderabad	
3995	train	355888	320000	2013-07-01	present	associate software engineer	Bangalore	
3996	train	947111	200000	2014-07-01	2015-01-01 00:00:00	software developer	Asifabadbangalore	
3997	train	324966	400000	2013-02-01	present	senior systems engineer	Chennai	

3998 rows × 39 columns



In []:

```

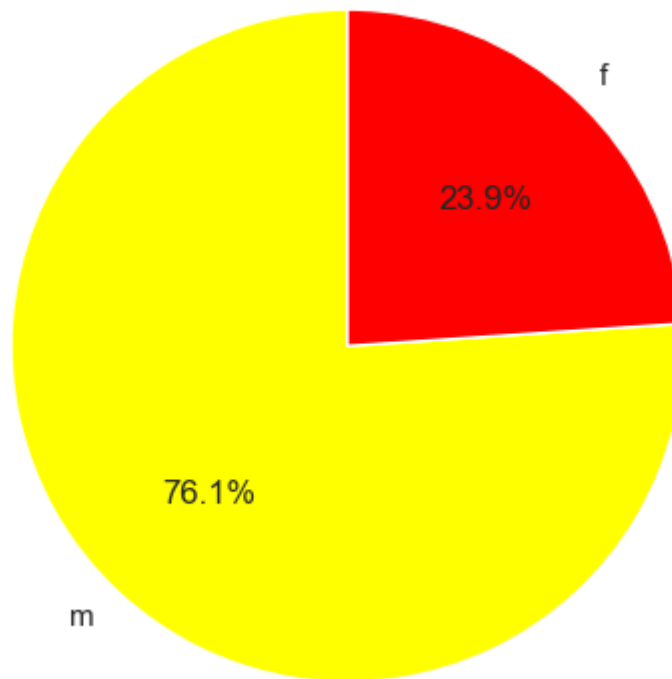
gender_Counts=data['Gender'].value_counts()

colors=['yellow','red']

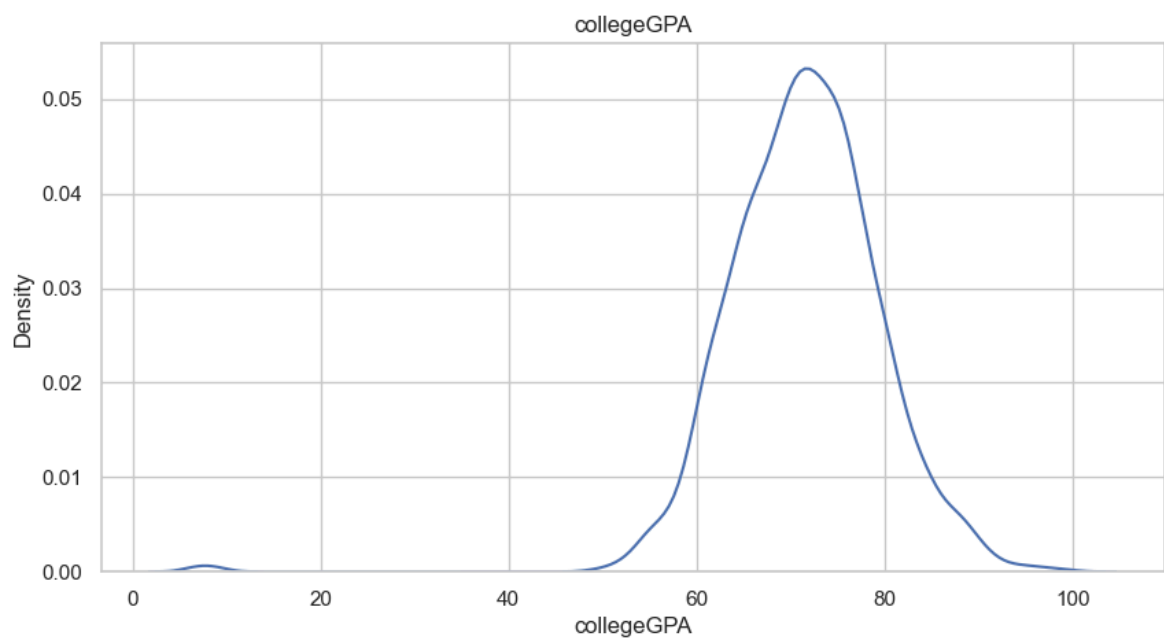
plt.pie(gender_Counts, labels=gender_Counts.index, autopct='%1.1f%%', startangle=90)
plt.title('Gender Distribution')
plt.axis('equal')
plt.show()

```


Gender Distribution



```
In [ ]: plt.figure(figsize=(10,5))  
sns.kdeplot(data['collegeGPA'])  
plt.title('collegeGPA')  
plt.show()
```

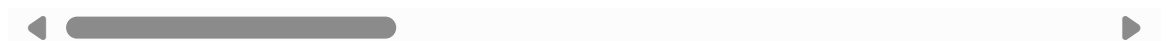


```
In [ ]: data
```

Out[]:

	Unnamed: 0	ID	Salary	DOJ	DOL	Designation	JobCity	Genre
0	train	203097	420000	2012-06-01	present	senior quality engineer	Bangalore	
1	train	579905	500000	2013-09-01	present	assistant manager	Indore	
2	train	810601	325000	2014-06-01	present	systems engineer	Chennai	
3	train	267447	1100000	2011-07-01	present	senior software engineer	Gurgaon	
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...
3993	train	47916	280000	2011-10-01	2012-10-01 00:00:00	software engineer	New Delhi	
3994	train	752781	100000	2013-07-01	2013-07-01 00:00:00	technical writer	Hyderabad	
3995	train	355888	320000	2013-07-01	present	associate software engineer	Bangalore	
3996	train	947111	200000	2014-07-01	2015-01-01 00:00:00	software developer	Asifabadbangalore	
3997	train	324966	400000	2013-02-01	present	senior systems engineer	Chennai	

3998 rows × 39 columns



In []: data[['ComputerScience', 'ElectronicsAndSemicon', 'MechanicalEngg', 'Salary']].corr

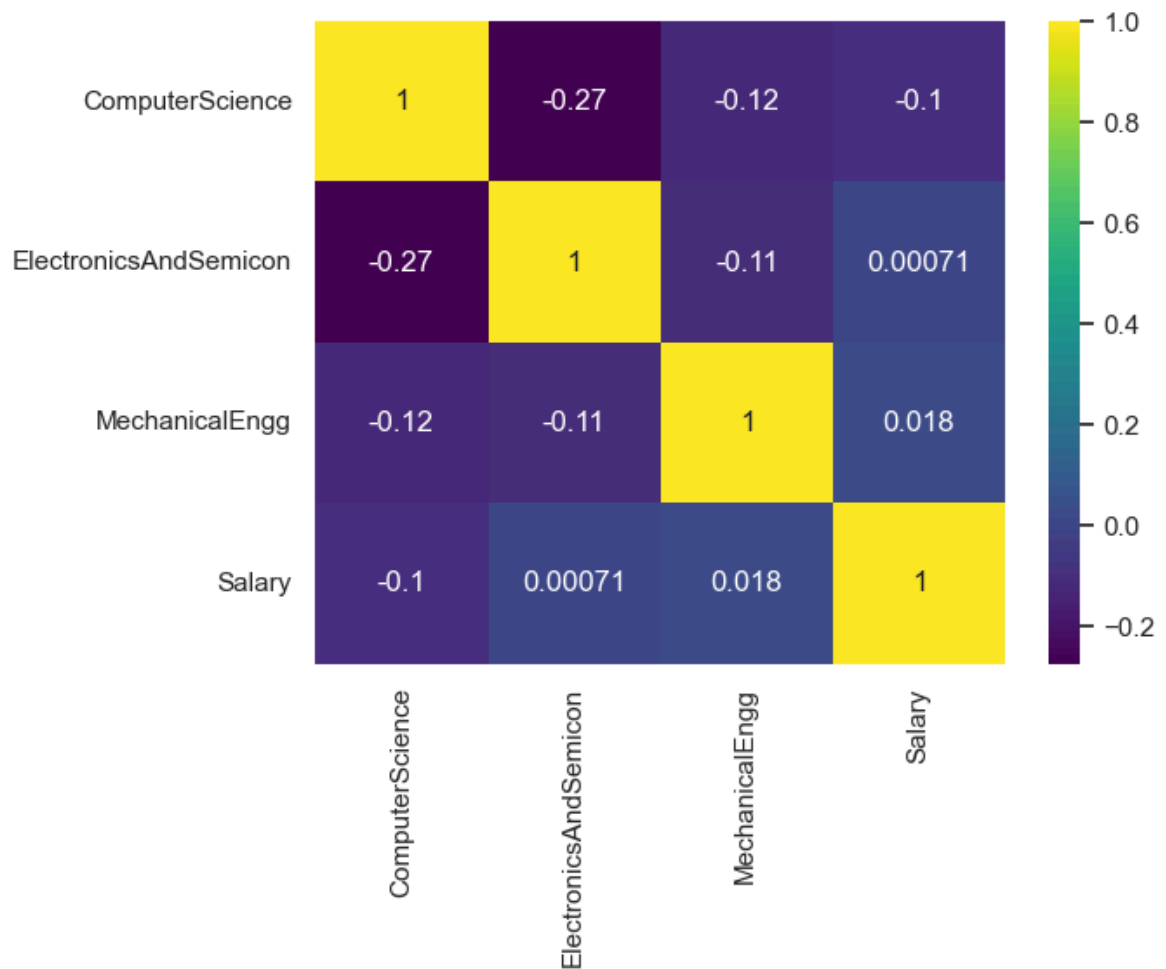
Out[]:

	ComputerScience	ElectronicsAndSemicon	MechanicalEngg	Salary
ComputerScience	1.000000	-0.273619	-0.124326	-0.100674
ElectronicsAndSemicon	-0.273619	1.000000	-0.109414	0.000708
MechanicalEngg	-0.124326	-0.109414	1.000000	0.018493
Salary	-0.100674	0.000708	0.018493	1.000000



In []: sns.heatmap(data[['ComputerScience', 'ElectronicsAndSemicon', 'MechanicalEngg', 'Sa

Out[]: <Axes: >



```
In [ ]: sns.pairplot(data,x_vars=['English','Logical','Quant'],y_vars=['English','Logica
plt.show()
```

