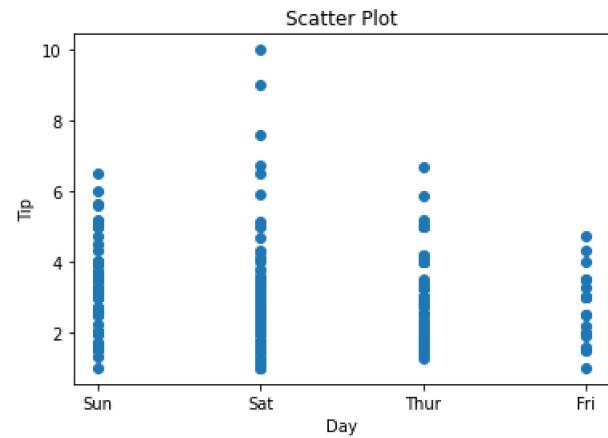


```
In [1]: import pandas as pd
import matplotlib.pyplot as plt
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')
plt.scatter(data['day'], data['tip'])
plt.title("Scatter Plot")
plt.xlabel('Day')
plt.ylabel('Tip')

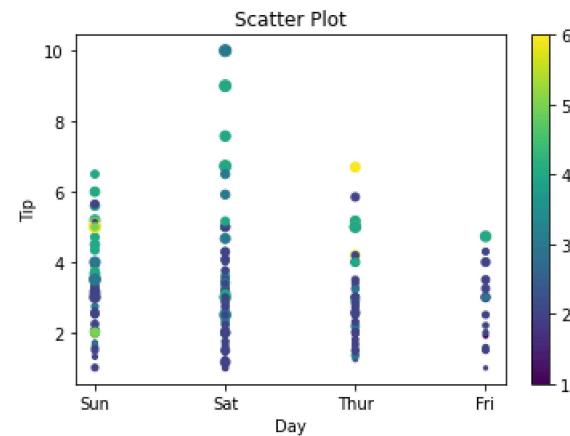
plt.show()
```



```
In [2]: import pandas as pd
import matplotlib.pyplot as plt
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')
plt.scatter(data['day'], data['tip'], c=data['size'],
            s=data['total_bill'])
plt.title("Scatter Plot")
plt.xlabel('Day')
plt.ylabel('Tip')

plt.colorbar()

plt.show()
```

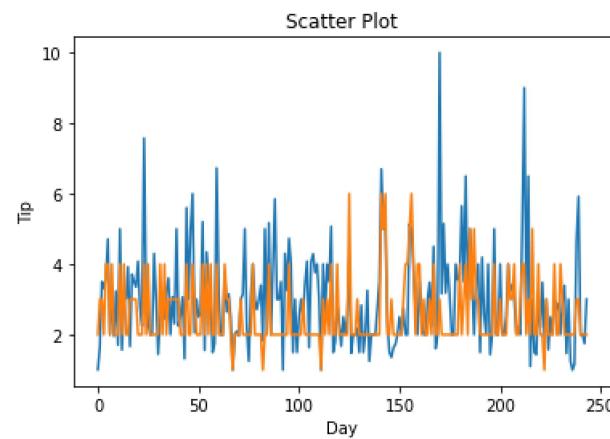


```
In [3]: import pandas as pd
import matplotlib.pyplot as plt
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')

plt.plot(data['tip'])
plt.plot(data['size'])

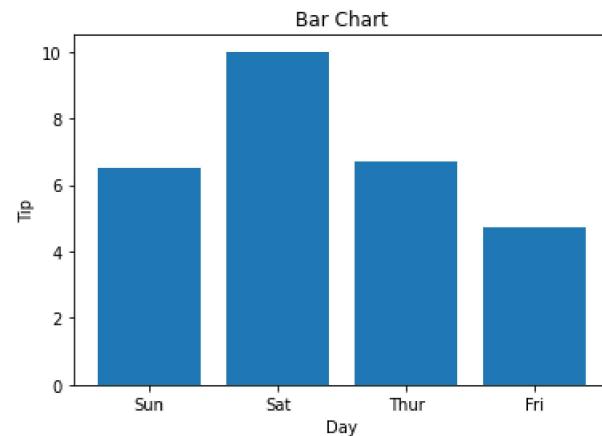
plt.title("Scatter Plot")
plt.xlabel('Day')
plt.ylabel('Tip')

plt.show()
```



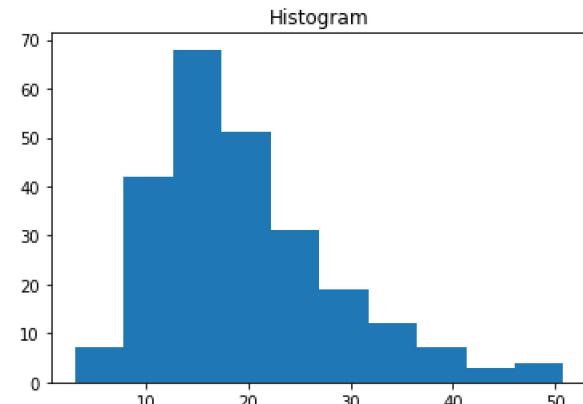
```
In [4]: import pandas as pd
import matplotlib.pyplot as plt
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')
plt.bar(data['day'], data['tip'])

plt.title("Bar Chart")
plt.xlabel('Day')
plt.ylabel('Tip')
plt.show()
```



```
In [5]: import pandas as pd
import matplotlib.pyplot as plt
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')
plt.hist(data['total_bill'])

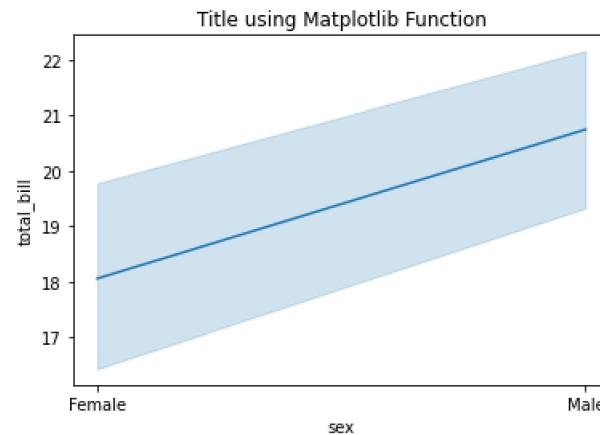
plt.title("Histogram")
plt.show()
```



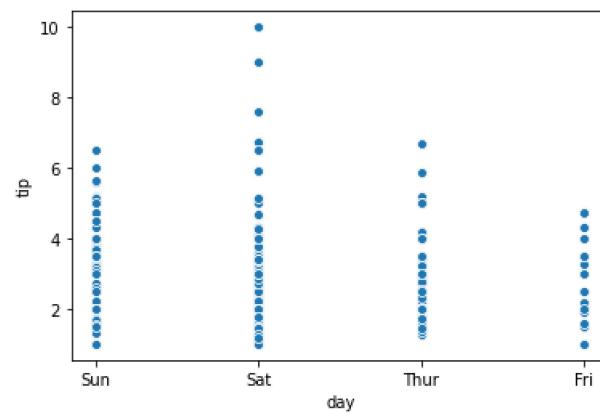
```
In [6]: import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')

sns.lineplot(x="sex", y="total_bill", data=data)
plt.title('Title using Matplotlib Function')

plt.show()
```

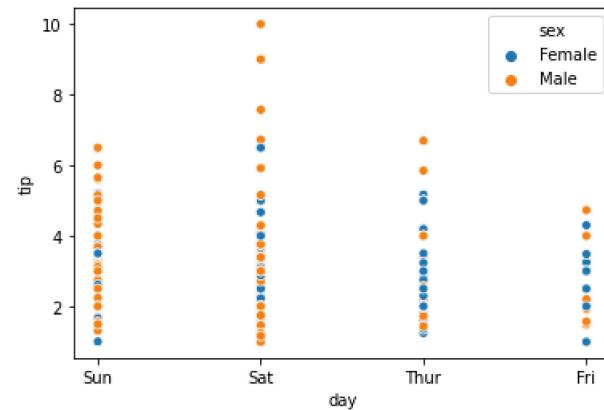


```
In [7]: import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')
sns.scatterplot(x='day', y='tip', data=data,)
plt.show()
```



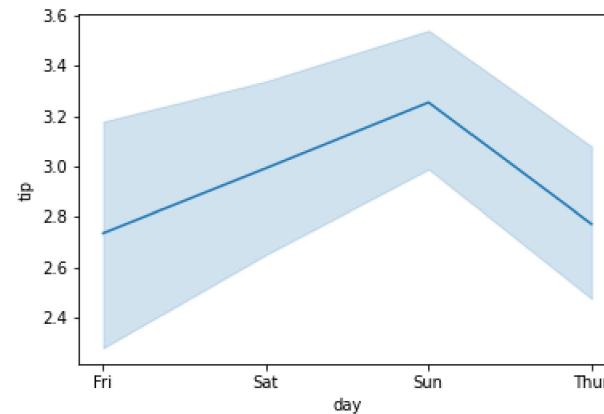
```
In [8]: import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')

sns.scatterplot(x='day', y='tip', data=data,
                 hue='sex')
plt.show()
```



```
In [9]: import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')

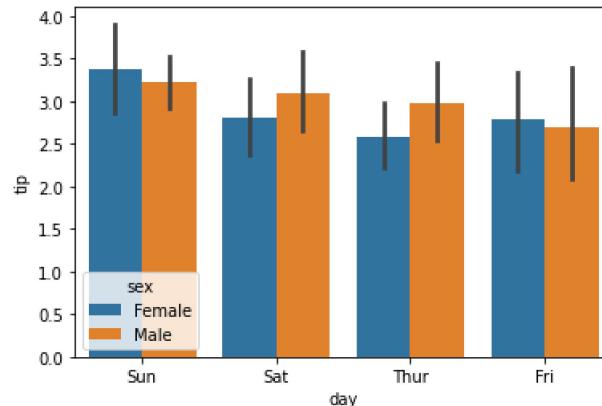
sns.lineplot(x='day', y='tip', data=data)
plt.show()
```



```
In [10]: import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')

sns.barplot(x='day',y='tip', data=data,
             hue='sex')

plt.show()
```



```
In [11]: import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')

sns.histplot(x='total_bill', data=data, kde=True, hue='sex')

plt.show()
```

```
-----  
AttributeError                                 Traceback (most recent call last)
<ipython-input-11-4deb6608f508> in <module>()
    7 data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')
    8
----> 9 sns.histplot(x='total_bill', data=data, kde=True, hue='sex')
   10
   11 plt.show()
```

AttributeError: module 'seaborn' has no attribute 'histplot'

```
In [ ]: import pandas as pd
import matplotlib.pyplot as plt
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')

plt.scatter(data['CO(GT)'], data['NOx(GT)'])

plt.title("Scatter Plot")
plt.xlabel('Carbon')
plt.ylabel('Nitrogen')
plt.show()
```

```
In [12]: import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')

sns.histplot(x='NOx(GT)', data=data, kde=True, hue='RH')

plt.show()
```

```
-----
AttributeError                                 Traceback (most recent call last)
<ipython-input-12-8a3321045819> in <module>()
    4 data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')
    5
----> 6 sns.histplot(x='NOx(GT)', data=data, kde=True, hue='RH')
    7
    8 plt.show()
```

```
AttributeError: module 'seaborn' has no attribute 'histplot'
```

```
In [13]: import pandas as pd
import matplotlib.pyplot as plt
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')
plt.scatter(data['RH'], data['AH'])
plt.title("Scatter Plot")
plt.xlabel('RH')
plt.ylabel('AH')

plt.show()

-----
KeyError Traceback (most recent call last)
~\Anaconda3\lib\site-packages\pandas\core\indexes\base.py in get_loc(self, key, method, tolerance)
    2897         try:
-> 2898             return self._engine.get_loc(casted_key)
    2899         except KeyError as err:
pandas\_libs\index.pyx in pandas._libs.index.IndexEngine.get_loc()
pandas\_libs\index.pyx in pandas._libs.index.IndexEngine.get_loc()
pandas\_libs\hashtable_class_helper.pxi in pandas._libs.hashtable.PyObjectHashTable.get_item()
pandas\_libs\hashtable_class_helper.pxi in pandas._libs.hashtable.PyObjectHashTable.get_item()

KeyError: 'RH'

The above exception was the direct cause of the following exception:

KeyError Traceback (most recent call last)
<ipython-input-13-8240a5122842> in <module>()
    2 import matplotlib.pyplot as plt
    3 data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')
----> 4 plt.scatter(data['RH'], data['AH'])
    5 plt.title("Scatter Plot")
    6 plt.xlabel('RH')

~\Anaconda3\lib\site-packages\pandas\core\frame.py in __getitem__(self, key)
    2904         if self.columns.nlevels > 1:
    2905             return self._getitem_multilevel(key)
-> 2906         indexer = self.columns.get_loc(key)
    2907         if is_integer(indexer):
    2908             indexer = [indexer]

~\Anaconda3\lib\site-packages\pandas\core\indexes\base.py in get_loc(self, key, method, tolerance)
    2898         return self._engine.get_loc(casted_key)
    2899     except KeyError as err:
-> 2900         raise KeyError(key) from err
    2901
    2902     if tolerance is not None:
```

KeyError: 'RH'

```
In [14]: import chardet
with open('C:/sameer/tips_4 - tips_4.csv') as rawdata:
    result = chardet.detect(rawdata.read(100000))
result
```

```
-----
TypeError                                 Traceback (most recent call last)
<ipython-input-14-40379f2e1fa3> in <module>()
      1 import chardet
      2 with open('C:/sameer/tips_4 - tips_4.csv') as rawdata:
----> 3     result = chardet.detect(rawdata.read(100000))
      4 result

~\Anaconda3\lib\site-packages\chardet\__init__.py in detect(byte_str)
    32     if not isinstance(byte_str, bytes):
    33         raise TypeError('Expected object of type bytes or bytearray, got: '
---> 34             '{0}'.format(type(byte_str)))
    35     else:
    36         byte_str = bytearray(byte_str)

TypeError: Expected object of type bytes or bytearray, got: <class 'str'>
```

```
In [15]: import pandas as pd
import matplotlib.pyplot as plt

# reading the database
data = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')
plt.scatter(data['RH'], data['AH'])
plt.title("Scatter Plot")
plt.xlabel('RH')
plt.ylabel('AH')

plt.show()
```

```
-----  
KeyError Traceback (most recent call last)  
~\Anaconda3\lib\site-packages\pandas\core\indexes\base.py in get_loc(self, key, method, tolerance)  
    2897         try:  
-> 2898             return self._engine.get_loc(casted_key)  
    2899         except KeyError as err:  
  
pandas\_libs\index.pyx in pandas._libs.index.IndexEngine.get_loc()  
  
pandas\_libs\index.pyx in pandas._libs.index.IndexEngine.get_loc()  
  
pandas\_libs\hashtable_class_helper.pxi in pandas._libs.hashtable.PyObjectHashTable.get_item()  
  
pandas\_libs\hashtable_class_helper.pxi in pandas._libs.hashtable.PyObjectHashTable.get_item()  
  
KeyError: 'RH'
```

The above exception was the direct cause of the following exception:

```
KeyError Traceback (most recent call last)  
<ipython-input-15-cbefef17ac387> in <module>()  
    7  
    8 # Scatter plot with day against tip  
----> 9 plt.scatter(data['RH'], data['AH'])  
    10  
    11 # Adding Title to the Plot  
  
~\Anaconda3\lib\site-packages\pandas\core\frame.py in __getitem__(self, key)  
    2904         if self.columns.nlevels > 1:  
    2905             return self._getitem_multilevel(key)  
-> 2906         indexer = self.columns.get_loc(key)  
    2907         if is_integer(indexer):  
    2908             indexer = [indexer]  
  
~\Anaconda3\lib\site-packages\pandas\core\indexes\base.py in get_loc(self, key, method, tolerance)  
    2898         return self._engine.get_loc(casted_key)  
    2899         except KeyError as err:  
-> 2900             raise KeyError(key) from err  
    2901  
    2902         if tolerance is not None:
```

KeyError: 'RH'

```
In [17]: import pandas as pd
import matplotlib.pyplot as plt
data = pd.read_csv('C:/sameer/AirQuality.csv')
plt.scatter(data['CO(GT)'], data['NO2(GT)'])
plt.title("Scatter Plot")
plt.xlabel('CO')
plt.ylabel('NO2')

plt.show()
```

```
-----  
UnicodeDecodeError                                 Traceback (most recent call last)  
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_tokens()  
  
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_with_dtype()  
  
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._string_convert()  
  
pandas\_libs\parsers.pyx in pandas._libs.parsers._string_box_utf8()  
  
UnicodeDecodeError: 'utf-8' codec can't decode byte 0x96 in position 15: invalid start byte  
  
During handling of the above exception, another exception occurred:  
  
UnicodeDecodeError                                 Traceback (most recent call last)  
<ipython-input-17-cd80afbe0a26> in <module>()  
    4  
    5 # reading the database  
----> 6 data = pd.read_csv('C:/sameer/AirQuality.csv')  
    7  
    8 # Scatter plot with day against tip  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in read_csv(filepath_or_buffer, sep, delimiter, header, names, index_col, usecols, squeeze, prefix, mangle_dupe_cols, dtype, engine, converters, true_values, false_values, skipinitialspace, skiprows, skipfooter, nrows, na_values, keep_default_na, na_filter, verbose, skip_blank_lines, parse_dates, infer_datetime_format, keep_date_col, date_parser, dayfirst, cache_dates, iterator, chunksize, compression, thousands, decimal, lineterminator, quotechar, quoting, doublequote, escapechar, comment, encoding, dialect, error_bad_lines, warn_bad_lines, delim_whitespace, low_memory, memory_map, float_precision)  
    686     )  
    687  
--> 688     return _read(filepath_or_buffer, kwds)  
    689  
    690  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in _read(filepath_or_buffer, kwds)  
    458  
    459     try:  
--> 460         data = parser.read(nrows)  
    461     finally:  
    462         parser.close()  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in read(self, nrows)  
1196     def read(self, nrows=None):  
1197         nrows = _validate_integer("nrows", nrows)  
-> 1198         ret = self._engine.read(nrows)  
1199  
1200         # May alter columns / col_dict  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in read(self, nrows)  
2155     def read(self, nrows=None):  
2156         try:  
-> 2157             data = self._reader.read(nrows)  
2158         except StopIteration:  
2159             if self._first_chunk:
```

```
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader.read()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._read_low_memory()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._read_rows()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_column_data()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_tokens()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_with_dtype()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._string_convert()
pandas\_libs\parsers.pyx in pandas._libs.parsers._string_box_utf8()
UnicodeDecodeError: 'utf-8' codec can't decode byte 0x96 in position 15: invalid start byte
```

```
In [18]: import pandas as pd
import matplotlib.pyplot as plt
data = pd.read_csv('C:/sameer/AirQuality.csv')
plt.scatter(data['NMHC(GT)'], data['C6H6(GT)'])
plt.title("Scatter Plot")
plt.xlabel('NMHC(GT)')
plt.ylabel('C6H6(GT)')

plt.show()
```

```
-----  
UnicodeDecodeError                                 Traceback (most recent call last)  
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_tokens()  
  
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_with_dtype()  
  
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._string_convert()  
  
pandas\_libs\parsers.pyx in pandas._libs.parsers._string_box_utf8()  
  
UnicodeDecodeError: 'utf-8' codec can't decode byte 0x96 in position 15: invalid start byte
```

During handling of the above exception, another exception occurred:

```
UnicodeDecodeError                                 Traceback (most recent call last)  
<ipython-input-18-9194b26e1220> in <module>()  
      1 import pandas as pd  
      2 import matplotlib.pyplot as plt  
----> 3 data = pd.read_csv('C:/sameer/AirQuality.csv')  
      4 plt.scatter(data['NMHC(GT)'], data['C6H6(GT)'])  
      5 plt.title("Scatter Plot")  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in read_csv(filepath_or_buffer, sep, delimiter, header, names, index_col, usecols, squeeze, prefix, mangle_dupe_cols, dtype, engine, converters, true_values, false_values, skipinitialspace, skiprows, skipfooter, nrows, na_values, keep_default_na, na_filter, verbose, skip_blank_lines, parse_dates, infer_datetime_format, keep_date_col, date_parser, dayfirst, cache_dates, iterator, chunksize, compression, thousands, decimal, lineterminator, quotechar, quoting, doublequote, escapechar, comment, encoding, dialect, error_bad_lines, warn_bad_lines, delim_whitespace, low_memory, memory_map, float_precision)  
     686      )  
     687  
--> 688      return _read(filepath_or_buffer, kwds)  
     689  
     690  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in _read(filepath_or_buffer, kwds)  
    458  
    459      try:  
--> 460          data = parser.read(nrows)  
    461      finally:  
    462          parser.close()  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in read(self, nrows)  
1196      def read(self, nrows=None):  
1197          nrows = _validate_integer("nrows", nrows)  
-> 1198          ret = self._engine.read(nrows)  
1199  
1200          # May alter columns / col_dict  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in read(self, nrows)  
2155      def read(self, nrows=None):  
2156          try:  
-> 2157              data = self._reader.read(nrows)  
2158          except StopIteration:  
2159              if self._first_chunk:
```

```
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader.read()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._read_low_memory()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._read_rows()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_column_data()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_tokens()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_with_dtype()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._string_convert()
pandas\_libs\parsers.pyx in pandas._libs.parsers._string_box_utf8()
UnicodeDecodeError: 'utf-8' codec can't decode byte 0x96 in position 15: invalid start byte
```

```
In [19]: import pandas as pd
import matplotlib.pyplot as plt
data = pd.read_csv('C:/sameer/AirQuality.csv')
plt.scatter(data['Date'], data['NMHC(GT)'])
plt.title("Scatter Plot")
plt.xlabel('Date')
plt.ylabel('NMHC')

plt.show()
```

```
-----  
UnicodeDecodeError                                 Traceback (most recent call last)  
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_tokens()  
  
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_with_dtype()  
  
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._string_convert()  
  
pandas\_libs\parsers.pyx in pandas._libs.parsers._string_box_utf8()  
  
UnicodeDecodeError: 'utf-8' codec can't decode byte 0x96 in position 15: invalid start byte  
  
During handling of the above exception, another exception occurred:  
  
UnicodeDecodeError                                 Traceback (most recent call last)  
<ipython-input-19-863b21034f95> in <module>()  
      1 import pandas as pd  
      2 import matplotlib.pyplot as plt  
----> 3 data = pd.read_csv('C:/sameer/AirQuality.csv')  
      4 plt.scatter(data['Date'], data['NMHC(GT)'])  
      5 plt.title("Scatter Plot")  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in read_csv(filepath_or_buffer, sep, delimiter, header, names, index_col, usecols, squeeze, prefix, mangle_dupe_cols, dtype, engine, converters, true_values, false_values, skipinitialspace, skiprows, skipfooter, nrows, na_values, keep_default_na, na_filter, verbose, skip_blank_lines, parse_dates, infer_datetime_format, keep_date_col, date_parser, dayfirst, cache_dates, iterator, chunksize, compression, thousands, decimal, lineterminator, quotechar, quoting, doublequote, escapechar, comment, encoding, dialect, error_bad_lines, warn_bad_lines, delim_whitespace, low_memory, memory_map, float_precision)  
     686         )  
     687  
--> 688     return _read(filepath_or_buffer, kwds)  
     689  
     690  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in _read(filepath_or_buffer, kwds)  
    458  
    459         try:  
--> 460             data = parser.read(nrows)  
    461         finally:  
    462             parser.close()  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in read(self, nrows)  
   1196     def read(self, nrows=None):  
   1197         nrows = _validate_integer("nrows", nrows)  
-> 1198         ret = self._engine.read(nrows)  
   1199  
   1200         # May alter columns / col_dict  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in read(self, nrows)  
   2155     def read(self, nrows=None):  
   2156         try:  
-> 2157             data = self._reader.read(nrows)  
   2158         except StopIteration:  
   2159             if self._first_chunk:
```

```
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader.read()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._read_low_memory()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._read_rows()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_column_data()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_tokens()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_with_dtype()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._string_convert()
pandas\_libs\parsers.pyx in pandas._libs.parsers._string_box_utf8()

UnicodeDecodeError: 'utf-8' codec can't decode byte 0x96 in position 15: invalid start byte
```

In [20]:

```
import datetime
date = '2021-05-21 11:22:03'
datem = datetime.datetime.strptime(date, "%Y-%m-%d %H:%M:%S")
print(datem.day)
print(datem.month)
print(datem.year)
print(datem.hour)
print(datem.minute)
print(datem.second)
```

```
21
5
2021
11
22
3
```

```
In [21]: import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd

data = pd.read_csv('C:/sameer/AirQuality.csv')

sns.histplot(x='NOx(GT)', data=data, kde=True, hue='RH')

plt.show()
```

```
-----  
UnicodeDecodeError                                 Traceback (most recent call last)  
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_tokens()  
  
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_with_dtype()  
  
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._string_convert()  
  
pandas\_libs\parsers.pyx in pandas._libs.parsers._string_box_utf8()  
  
UnicodeDecodeError: 'utf-8' codec can't decode byte 0x96 in position 15: invalid start byte  
  
During handling of the above exception, another exception occurred:  
  
UnicodeDecodeError                                 Traceback (most recent call last)  
<ipython-input-21-1e6d2bdea5f0> in <module>()  
      3 import pandas as pd  
      4  
----> 5 data = pd.read_csv('C:/sameer/AirQuality.csv')  
      6  
      7 sns.histplot(x='NOx(GT)', data=data, kde=True, hue='RH')  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in read_csv(filepath_or_buffer, sep, delimiter, header, names, index_col, usecols, squeeze, prefix, mangle_dupe_cols, dtype, engine, converters, true_values, false_values, skipinitialspace, skiprows, skipfooter, nrows, na_values, keep_default_na, na_filter, verbose, skip_blank_lines, parse_dates, infer_datetime_format, keep_date_col, date_parser, dayfirst, cache_dates, iterator, chunksize, compression, thousands, decimal, lineterminator, quotechar, quoting, doublequote, escapechar, comment, encoding, dialect, error_bad_lines, warn_bad_lines, delim_whitespace, low_memory, memory_map, float_precision)  
     686     )  
     687  
--> 688     return _read(filepath_or_buffer, kwds)  
     689  
     690  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in _read(filepath_or_buffer, kwds)  
    458  
    459         try:  
--> 460             data = parser.read(nrows)  
    461         finally:  
    462             parser.close()  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in read(self, nrows)  
   1196     def read(self, nrows=None):  
   1197         nrows = _validate_integer("nrows", nrows)  
-> 1198         ret = self._engine.read(nrows)  
   1199  
   1200         # May alter columns / col_dict  
  
~\Anaconda3\lib\site-packages\pandas\io\parsers.py in read(self, nrows)  
   2155     def read(self, nrows=None):  
   2156         try:  
-> 2157             data = self._reader.read(nrows)  
   2158         except StopIteration:  
   2159             if self._first_chunk:
```

```
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader.read()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._read_low_memory()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._read_rows()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_column_data()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_tokens()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._convert_with_dtype()
pandas\_libs\parsers.pyx in pandas._libs.parsers.TextReader._string_convert()
pandas\_libs\parsers.pyx in pandas._libs.parsers._string_box_utf8()
UnicodeDecodeError: 'utf-8' codec can't decode byte 0x96 in position 15: invalid start byte
```

In []: