In [1]: import pandas as pd
 import numpy as np
 import matplotlib.pyplot as plt
 import seaborn as sns

Out[2]:

| | transaction_id | product_id | customer_id | transaction_date | online_order | order_status | brand | product_line | product_class | product_size I |
|-------|----------------|------------|-------------|------------------|--------------|--------------|-------------------|--------------|---------------|----------------|
| 0 | 1 | 2 | 2950 | 25-02-2017 | False | Approved | Solex | Standard | medium | medium |
| 1 | 2 | 3 | 3120 | 21-05-2017 | True | Approved | Trek Bicycles | Standard | medium | large |
| 2 | 3 | 37 | 402 | 16-10-2017 | False | Approved | OHM Cycles | Standard | low | medium |
| 3 | 4 | 88 | 3135 | 31-08-2017 | False | Approved | Norco Bicycles | Standard | medium | medium |
| 4 | 5 | 78 | 787 | 01-10-2017 | True | Approved | Giant Bicycles | Standard | medium | large |
| | | | | | | | | | | |
| 19995 | 19996 | 51 | 1018 | 24-06-2017 | True | Approved | OHM Cycles | Standard | high | medium |
| 19996 | 19997 | 41 | 127 | 09-11-2017 | True | Approved | Solex | Road | medium | medium |
| 19997 | 19998 | 87 | 2284 | 14-04-2017 | True | Approved | OHM Cycles | Standard | medium | medium |
| 19998 | 19999 | 6 | 2764 | 03-07-2017 | False | Approved | OHM Cycles | Standard | high | medium |
| 19999 | 20000 | 11 | 1144 | 22-09-2017 | True | Approved | Trek Bicycles | Standard | medium | small |

20000 rows × 13 columns

In [3]: customeraddress=pd.read_csv("C:/Users/Akshay/Desktop/gaurav datascience application/datasets/customeraddress.csv") customeraddress

Out[3]:

| | customer_id | address | postcode | state | country | property_valuation |
|------|-------------|---------------------------|----------|-----------------|-----------|--------------------|
| 0 | 1 | 060 Morning Avenue | 2016 | New South Wales | Australia | 10 |
| 1 | 2 | 6 Meadow Vale Court | 2153 | New South Wales | Australia | 10 |
| 2 | 4 | 0 Holy Cross Court | 4211 | QLD | Australia | 9 |
| 3 | 5 | 17979 Del Mar Point | 2448 | New South Wales | Australia | 4 |
| 4 | 6 | 9 Oakridge Court | 3216 | VIC | Australia | 9 |
| | | | | | | |
| 3994 | 3999 | 1482 Hauk Trail | 3064 | VIC | Australia | 3 |
| 3995 | 4000 | 57042 Village Green Point | 4511 | QLD | Australia | 6 |
| 3996 | 4001 | 87 Crescent Oaks Alley | 2756 | NSW | Australia | 10 |
| 3997 | 4002 | 8194 Lien Street | 4032 | QLD | Australia | 7 |
| 3998 | 4003 | 320 Acker Drive | 2251 | NSW | Australia | 7 |

3999 rows × 6 columns

In [4]: newcustomerlist=pd.read_csv("C:/Users/Akshay/Desktop/gaurav datascience application/datasets/new customer list.csv") newcustomerlist

Out[4]:

| first_name | last_name | gender | past_3_years_bike_related_purchases | DOB | job_title | job_industry_category | wealth_segment | decease |
|------------|--|---|---|---|--|--|--|--|
| Chickie | Brister | Male | 86 | 12- 07- 1957 | General Manager | Manufacturing | Mass Customer | |
| Morly | Genery | Male | 69 | 22- 03- 1970 | Structural Engineer | Property | Mass Customer | |
| Ardelis | Forrester | Female | 10 | 28- 08- 1974 | Senior Cost Accountant | Financial Services | Affluent Customer | |
| Lucine | Stutt | Female | 64 | 28- 01- 1979 | Account Representative III | Manufacturing | Affluent Customer | |
| Melinda | Hadlee | Female | 34 | 21- 09- 1965 | Financial Analyst | Financial Services | Affluent Customer | |
| | | | | | | | | |
| Ferdinand | Romanetti | Male | 60 | 07- 10- 1959 | Paralegal | Financial Services | Affluent Customer | |
| Burk | Wortley | Male | 22 | 17- 10- 2001 | Senior Sales Associate | Health | Mass Customer | |
| Melloney | Temby | Female | 17 | 05- 10- 1954 | Budget/Accounting Analyst IV | Financial Services | Affluent Customer | |
| Dickie | Cubbini | Male | 30 | 17- 12- 1952 | Financial Advisor | Financial Services | Mass Customer | |
| Sylas | Duffill | Male | 56 | 02- 10- 1955 | Staff Accountant IV | Property | Mass Customer | |
| | Chickie Morly Ardelis Lucine Melinda Ferdinand Burk Melloney Dickie | Chickie Brister Morly Genery Ardelis Forrester Lucine Stutt Melinda Hadlee Ferdinand Romanetti Burk Wortley Melloney Temby Dickie Cubbini | Chickie Brister Male Morly Genery Male Ardelis Forrester Female Lucine Stutt Female Melinda Hadlee Female Ferdinand Romanetti Male Burk Wortley Male Melloney Temby Female Dickie Cubbini Male | Chickie Brister Male 86 Morly Genery Male 69 Ardelis Forrester Female 10 Lucine Stutt Female 64 Melinda Hadlee Female 34 Ferdinand Romanetti Male 60 Burk Wortley Male 22 Melloney Temby Female 17 Dickie Cubbini Male 30 | Chickie Brister Male 12-1957 Morly Genery Male 69 03-1970 Ardelis Forrester Female 10 08-1974 Lucine Stutt Female 64 01-1979 Melinda Hadlee Female 34 09-1965 Ferdinand Romanetti Male 60 10-1959 Burk Wortley Male 22 10-2001 Melloney Temby Female 17 10-1954 Dickie Cubbini Male 30 12-1952 Sylas Duffill Male 56 10- | Chickie Brister Male 86 07-1957 1957 General Manager 1970 Morly Genery Male 69 03-1970 Structural Engineer Ardelis Forrester Female 10 08-1974 Senior Cost Account Accountant Lucine Stutt Female 4 01-1974 Representative III Melinda Hadlee Female 34 09-1965 Financial Analyst 1965 Ferdinand Romanetti Male 60 10-1959 Paralegal 1959 Burk Wortley Male 22 17-2001 Senior Sales Associate Associate Associate Melloney Temby Female 17 10-1954 Budget/Accounting Analyst IV Dickie Cubbini Male 30 12-1952 Financial Advisor 1952 Sylas Duffill Male 56 10-10-1954 Staff Accountant 1962 | Chickie Brister Male 86 07- 1957 Morly Genery Male 69 03- 1970 Engineer Property Ardelis Forrester Female 10 08- Accountant 1974 Accountant 1974 Lucine Stutt Female 64 01- 1979 Female 21- 21- 10- 1954 Melinda Hadlee Female 21- 21- 1954 Burk Wortley Male 22- 17- 10- Associate Health Melloney Temby Female 17 10- Associate Dickie Cubbini Male 30 12- Financial Accounting Financial Services 1955 Sylas Duffill Male 56 10- Staff Accountant Financial Services 1955 Structural Property Manufacturing Property Engineer Property Property Property Structural Property Property Property Structural Property Property Property Structural Property Propert | Chickie Brister Male 86 07 General Manager Manufacturing Mass Customer 1957 Morty Genery Male 69 03 Structural Engineer Property Mass Customer 1970 Engineer Property Mass Customer Manufacturing Property Mass Customer 1974 Accountant Representative III Manufacturing Affluent Customer 1979 Female 34 09 Financial Analyst Financial Services Affluent Customer 1975 Property Male 22 17 Senior Sales Associate Health Mass Customer 1975 Property Mass Customer 1975 Property Mass Customer 1975 Property Mass Customer 1975 Prinancial Advisor Financial Services Affluent Customer 1975 Prinancial Male 1975 Prinancial Advisor Financial Services Affluent Customer 1975 Prinancial Male 1975 Prinancial Advisor Financial Services Mass Customer 1975 Prinancial Advisor Financial Services Mass Customer 1975 Prinancial Advisor Financial Services Mass Customer 1975 Prinancial Male 1975 Prinancial Advisor Financial Services Mass Customer 1975 Prinancial Male Property Mass Customer 1975 Prinancial Male Property Mass Customer 1975 Property Property Property Property Prope |

1000 rows × 23 columns

In [5]: customerd=pd.read_csv("C:/Users/Akshay/Desktop/gaurav datascience application/datasets/customerd.csv") customerd

Out[5]:

| de | wealth_segment | job_industry_category | job_title | past_3_years_bike_related_purchases | gender | last_name | first_name | customer_id | |
|----|----------------------|-----------------------|---------------------------|-------------------------------------|--------|-----------|--------------------|-------------|------|
| | Mass Customer | Health | Executive Secretary | 93 | F | Medendorp | Laraine | 1 | 0 |
| | Mass Customer | Financial Services | Administrative Officer | 81 | Male | Bockman | Eli | 2 | 1 |
| | Mass Customer | Property | Recruiting Manager | 61 | Male | Dearle | Arlin | 3 | 2 |
| | Mass Customer | IT | NaN | 33 | Male | NaN | Talbot | 4 | 3 |
| | Affluent Customer | NaN | Senior Editor | 56 | Female | Calton | Sheila- kathryn | 5 | 4 |
| | ••• | | | | | | | | |
| | Mass Customer | Health | VP Product Management | 8 | Female | Halgarth | Rosalia | 3996 | 3995 |
| | High Net Worth | Manufacturing | Statistician II | 87 | Female | Nisuis | Blanch | 3997 | 3996 |
| | High Net Worth | IT | Assistant Manager | 60 | U | Woolley | Sarene | 3998 | 3997 |
| | Affluent Customer | Manufacturing | NaN | 11 | Male | NaN | Patrizius | 3999 | 3998 |
| | Affluent Customer | NaN | Software Engineer IV | 76 | Male | Oldland | Kippy | 4000 | 3999 |
| | | | | | | | | | |

4000 rows × 11 columns

In [6]: transaction.describe()

Out[6]:

| | transaction_id | product_id | customer_id | list_price | product_first_sold_date |
|-------|----------------|-------------|--------------|--------------|-------------------------|
| count | 20000.000000 | 20000.00000 | 20000.000000 | 20000.000000 | 19803.000000 |
| mean | 10000.500000 | 45.36465 | 1738.246050 | 1107.829449 | 38199.776549 |
| std | 5773.647028 | 30.75359 | 1011.951046 | 582.825242 | 2875.201110 |
| min | 1.000000 | 0.00000 | 1.000000 | 12.010000 | 33259.000000 |
| 25% | 5000.750000 | 18.00000 | 857.750000 | 575.270000 | 35667.000000 |
| 50% | 10000.500000 | 44.00000 | 1736.000000 | 1163.890000 | 38216.000000 |
| 75% | 15000.250000 | 72.00000 | 2613.000000 | 1635.300000 | 40672.000000 |
| max | 20000.000000 | 100.00000 | 5034.000000 | 2091.470000 | 42710.000000 |

In [7]: customerd.describe()

Out[7]:

| tenure | past_3_years_bike_related_purchases | customer_id | |
|-------------|-------------------------------------|-------------|-------|
| 3913.000000 | 4000.000000 | 4000.000000 | count |
| 10.657041 | 48.890000 | 2000.500000 | mean |
| 5.660146 | 28.715005 | 1154.844867 | std |
| 1.000000 | 0.000000 | 1.000000 | min |
| 6.000000 | 24.000000 | 1000.750000 | 25% |
| 11.000000 | 48.000000 | 2000.500000 | 50% |
| 15.000000 | 73.000000 | 3000.250000 | 75% |
| 22.000000 | 99.000000 | 4000.000000 | max |

In [8]: customeraddress.describe()

Out[8]:

| | customer_id | postcode | property_valuation |
|-------|-------------|-------------|--------------------|
| count | 3999.000000 | 3999.000000 | 3999.000000 |
| mean | 2003.987997 | 2985.755939 | 7.514379 |
| std | 1154.576912 | 844.878364 | 2.824663 |
| min | 1.000000 | 2000.000000 | 1.000000 |
| 25% | 1004.500000 | 2200.000000 | 6.000000 |
| 50% | 2004.000000 | 2768.000000 | 8.000000 |
| 75% | 3003.500000 | 3750.000000 | 10.000000 |
| max | 4003.000000 | 4883.000000 | 12.000000 |

In [9]: newcustomerlist.describe()

Out[9]:

| | past_3_years_bike_related_purchases | tenure | postcode | property_valuation | Unnamed: 16 | Unnamed: 17 | Unnamed: 18 | Unnamed: 19 | |
|-------|-------------------------------------|-------------|-------------|--------------------|----------------|----------------|----------------|----------------|----|
| count | 1000.000000 | 1000.000000 | 1000.000000 | 1000.000000 | 1000.000000 | 1000.000000 | 1000.000000 | 1000.000000 | 1(|
| mean | 49.836000 | 11.388000 | 3019.227000 | 7.397000 | 0.750240 | 0.842208 | 0.947672 | 0.875643 | 2 |
| std | 27.796686 | 5.037145 | 848.895767 | 2.758804 | 0.205775 | 0.250128 | 0.298312 | 0.285795 | 2 |
| min | 0.000000 | 0.000000 | 2000.000000 | 1.000000 | 0.400000 | 0.400000 | 0.400000 | 0.340000 | |
| 25% | 26.750000 | 7.000000 | 2209.000000 | 6.000000 | 0.570000 | 0.640000 | 0.712500 | 0.650586 | 2 |
| 50% | 51.000000 | 11.000000 | 2800.000000 | 8.000000 | 0.750000 | 0.820000 | 0.925000 | 0.840750 | Ę |
| 75% | 72.000000 | 15.000000 | 3845.500000 | 9.000000 | 0.930000 | 1.037500 | 1.164844 | 1.073594 | 7 |
| max | 99.000000 | 22.000000 | 4879.000000 | 12.000000 | 1.100000 | 1.375000 | 1.718750 | 1.718750 | 1(|
| 4 | | | | | | | | | • |

In [10]: df=pd.merge(customerd,customeraddress)
 df

Out[10]:

| | customer_id | first_name | last_name | gender | past_3_years_bike_related_purchases | job_title | job_industry_category | wealth_segment de |
|------|-------------|--------------------|-----------|--------|-------------------------------------|---------------------------|-----------------------|----------------------|
| 0 | 1 | Laraine | Medendorp | F | 93 | Executive Secretary | Health | Mass Customer |
| 1 | 2 | Eli | Bockman | Male | 81 | Administrative Officer | Financial Services | Mass Customer |
| 2 | 4 | Talbot | NaN | Male | 33 | NaN | IT | Mass Customer |
| 3 | 5 | Sheila- kathryn | Calton | Female | 56 | Senior Editor | NaN | Affluent Customer |
| 4 | 6 | Curr | Duckhouse | Male | 35 | NaN | Retail | High Net Worth |
| | | | | | | | | |
| 3991 | 3996 | Rosalia | Halgarth | Female | 8 | VP Product Management | Health | Mass Customer |
| 3992 | 3997 | Blanch | Nisuis | Female | 87 | Statistician II | Manufacturing | High Net Worth |
| 3993 | 3998 | Sarene | Woolley | U | 60 | Assistant Manager | IΤ | High Net Worth |
| 3994 | 3999 | Patrizius | NaN | Male | 11 | NaN | Manufacturing | Affluent Customer |
| 3995 | 4000 | Кірру | Oldland | Male | 76 | Software Engineer IV | NaN | Affluent Customer |

3996 rows × 16 columns

In [12]: df2

Out[12]:

| | transaction_id | product_id | customer_id | transaction_date | online_order | order_status | brand | product_line | product_class | product_size | _ |
|-------|----------------|------------|-------------|------------------|--------------|--------------|-------------------|--------------|---------------|--------------|---|
| 0 | 1 | 2 | 2950 | 25-02-2017 | False | Approved | Solex | Standard | medium | medium | |
| 1 | 11065 | 1 | 2950 | 16-10-2017 | False | Approved | Giant Bicycles | Standard | medium | medium | |
| 2 | 18923 | 62 | 2950 | 26-04-2017 | False | Approved | Solex | Standard | medium | medium | |
| 3 | 2 | 3 | 3120 | 21-05-2017 | True | Approved | Trek Bicycles | Standard | medium | large | |
| 4 | 6862 | 4 | 3120 | 05-10-2017 | False | Approved | Giant Bicycles | Standard | high | medium | |
| | | | | | | | | | | | |
| 19963 | 19854 | 68 | 130 | 02-02-2017 | True | Approved | OHM Cycles | Standard | medium | medium | |
| 19964 | 17966 | 17 | 2789 | 06-12-2017 | False | Approved | Solex | Standard | high | medium | |
| 19965 | 18462 | 80 | 2789 | 20-06-2017 | False | Approved | OHM Cycles | Touring | low | medium | |
| 19966 | 17981 | 69 | 3446 | 26-12-2017 | True | Approved | Giant Bicycles | Road | medium | medium | |
| 19967 | 18165 | 86 | 3446 | 03-12-2017 | False | Approved | OHM Cycles | Standard | medium | medium | |

19968 rows × 28 columns

```
In [13]: | df2.info()
         <class 'pandas.core.frame.DataFrame'>
         Int64Index: 19968 entries, 0 to 19967
         Data columns (total 28 columns):
         transaction id
                                                 19968 non-null int64
         product id
                                                 19968 non-null int64
         customer id
                                                 19968 non-null int64
                                                 19968 non-null object
         transaction date
         online order
                                                 19609 non-null object
         order status
                                                 19968 non-null object
         brand
                                                 19773 non-null object
         product line
                                                 19773 non-null object
         product class
                                                 19773 non-null object
         product size
                                                 19773 non-null object
         list price
                                                 19968 non-null float64
                                                 19773 non-null object
         standard cost
         product first sold date
                                                 19773 non-null float64
                                                 19968 non-null object
         first name
         last_name
                                                 19326 non-null object
                                                 19968 non-null object
         gender
         past 3 years bike related purchases
                                                 19968 non-null int64
         job title
                                                 17589 non-null object
         job industry category
                                                 16746 non-null object
         wealth segment
                                                 19968 non-null object
         deceased indicator
                                                 19968 non-null object
         owns_car
                                                 19968 non-null object
                                                 19522 non-null float64
         tenure
                                                 19968 non-null object
         address
                                                 19968 non-null int64
         postcode
         state
                                                 19968 non-null object
                                                 19968 non-null object
         country
         property valuation
                                                 19968 non-null int64
         dtypes: float64(3), int64(6), object(19)
         memory usage: 4.4+ MB
```

```
In [17]: from sklearn.preprocessing import LabelEncoder
         le online order=LabelEncoder()
         le order status=LabelEncoder()
         le brand=LabelEncoder()
         le product line=LabelEncoder()
         le product size=LabelEncoder()
         le product class=LabelEncoder()
         le job industry category=LabelEncoder()
         le wealth segment=LabelEncoder()
         le deceased indicator=LabelEncoder()
         le owns car=LabelEncoder()
         le country=LabelEncoder()
         le address=LabelEncoder()
         le postcode=LabelEncoder()
         le state=LabelEncoder()
         le first name=LabelEncoder()
         le last name=LabelEncoder()
         le gender=LabelEncoder()
         le job title=LabelEncoder()
         le transaction date=LabelEncoder()
```

```
In [18]: | df2['online order n']=le online order.fit transform(df2['online order'])
         df2['order status n']=le order status.fit transform(df2['order status'])
         df2['brand n']=le brand.fit transform(df2['brand'])
         df2['product line n']=le product line.fit transform(df2['product line'])
         df2['product size n']=le product size.fit transform(df2['product size'])
         df2['product class n']=le product class.fit transform(df2['product class'])
         df2['job industry category n']=le job industry category.fit transform(df2['job industry category'])
         df2['wealth segment n']=le wealth segment.fit transform(df2['wealth segment'])
         df2['deceased indicator n']=le deceased indicator.fit transform(df2['deceased indicator'])
         df2['owns car n']=le owns car.fit transform(df2['owns car'])
         df2['address n']=le address.fit transform(df2['address'])
         df2['country n']=le country.fit transform(df2['country'])
         df2['state n']=le state.fit transform(df2['state'])
         df2['postcode n']=le postcode.fit transform(df2['postcode'])
         df2['first name n']=le first name.fit transform(df2['first name'])
         df2['last name n']=le last name.fit transform(df2['last name'])
         df2['gender n']=le gender.fit transform(df2['gender'])
         df2['job title n']=le job title.fit transform(df2['job title'])
         df2['transaction date n']=le transaction date.fit transform(df2['transaction date'])
 In [ ]:
 In [ ]:
```

Out[19]:

| | transaction_id | product_id | customer_id | list_price | standard_cost | product_first_sold_date | past_3_years_bike_related_purchases | tenure | pro |
|-------|----------------|------------|-------------|------------|---------------|-------------------------|-------------------------------------|--------|-----|
| 0 | 1 | 2 | 2950 | 71.49 | \$53.62 | 41245.0 | 19 | 10.0 | |
| 1 | 11065 | 1 | 2950 | 1403.50 | \$954.82 | 37659.0 | 19 | 10.0 | |
| 2 | 18923 | 62 | 2950 | 478.16 | \$298.72 | 40487.0 | 19 | 10.0 | |
| 3 | 2 | 3 | 3120 | 2091.47 | \$388.92 | 41701.0 | 89 | 10.0 | |
| 4 | 6862 | 4 | 3120 | 1129.13 | \$677.48 | 40649.0 | 89 | 10.0 | |
| | | | | | | | | | |
| 19963 | 19854 | 68 | 130 | 1636.90 | \$44.71 | 40410.0 | 32 | 1.0 | |
| 19964 | 17966 | 17 | 2789 | 1024.66 | \$614.80 | 35378.0 | 66 | 7.0 | |
| 19965 | 18462 | 80 | 2789 | 1073.07 | \$933.84 | 42226.0 | 66 | 7.0 | |
| 19966 | 17981 | 69 | 3446 | 792.90 | \$594.68 | 33879.0 | 8 | 14.0 | |
| 19967 | 18165 | 86 | 3446 | 235.63 | \$125.07 | 38206.0 | 8 | 14.0 | |
| | | | | | | | | | |

19968 rows × 28 columns

localhost:8888/nbconvert/html/internshipdata.ipynb?download=false

In [20]: df3.fillna(df3.mean())

Out[20]:

| | transaction_id | product_id | customer_id | list_price | standard_cost | product_first_sold_date | past_3_years_bike_related_purchases | tenure | pro |
|-------|----------------|------------|-------------|------------|---------------|-------------------------|-------------------------------------|--------|-----|
| 0 | 1 | 2 | 2950 | 71.49 | \$53.62 | 41245.0 | 19 | 10.0 | |
| 1 | 11065 | 1 | 2950 | 1403.50 | \$954.82 | 37659.0 | 19 | 10.0 | |
| 2 | 18923 | 62 | 2950 | 478.16 | \$298.72 | 40487.0 | 19 | 10.0 | |
| 3 | 2 | 3 | 3120 | 2091.47 | \$388.92 | 41701.0 | 89 | 10.0 | |
| 4 | 6862 | 4 | 3120 | 1129.13 | \$677.48 | 40649.0 | 89 | 10.0 | |
| | | | | | | | | | |
| 19963 | 19854 | 68 | 130 | 1636.90 | \$44.71 | 40410.0 | 32 | 1.0 | |
| 19964 | 17966 | 17 | 2789 | 1024.66 | \$614.80 | 35378.0 | 66 | 7.0 | |
| 19965 | 18462 | 80 | 2789 | 1073.07 | \$933.84 | 42226.0 | 66 | 7.0 | |
| 19966 | 17981 | 69 | 3446 | 792.90 | \$594.68 | 33879.0 | 8 | 14.0 | |
| 19967 | 18165 | 86 | 3446 | 235.63 | \$125.07 | 38206.0 | 8 | 14.0 | |
| | | | | | | | | | |

19968 rows × 28 columns

Out[23]:

| | transaction_id | product_id | customer_id | list_price | standard_cost | product_first_sold_date | past_3_years_bike_related_purchases | tenure | pro |
|-------|----------------|------------|-------------|------------|---------------|-------------------------|-------------------------------------|--------|-----|
| 0 | 1 | 2 | 2950 | 71.49 | \$53.62 | 41245.0 | 19 | 10.0 | |
| 1 | 11065 | 1 | 2950 | 1403.50 | \$954.82 | 37659.0 | 19 | 10.0 | |
| 2 | 18923 | 62 | 2950 | 478.16 | \$298.72 | 40487.0 | 19 | 10.0 | |
| 3 | 2 | 3 | 3120 | 2091.47 | \$388.92 | 41701.0 | 89 | 10.0 | |
| 4 | 6862 | 4 | 3120 | 1129.13 | \$677.48 | 40649.0 | 89 | 10.0 | |
| | | | | | | | | | |
| 19963 | 19854 | 68 | 130 | 1636.90 | \$44.71 | 40410.0 | 32 | 1.0 | |
| 19964 | 17966 | 17 | 2789 | 1024.66 | \$614.80 | 35378.0 | 66 | 7.0 | |
| 19965 | 18462 | 80 | 2789 | 1073.07 | \$933.84 | 42226.0 | 66 | 7.0 | |
| 19966 | 17981 | 69 | 3446 | 792.90 | \$594.68 | 33879.0 | 8 | 14.0 | |
| 19967 | 18165 | 86 | 3446 | 235.63 | \$125.07 | 38206.0 | 8 | 14.0 | |
| | | | | | | | | | |

19968 rows × 28 columns

localhost:8888/nbconvert/html/internshipdata.ipynb?download=false