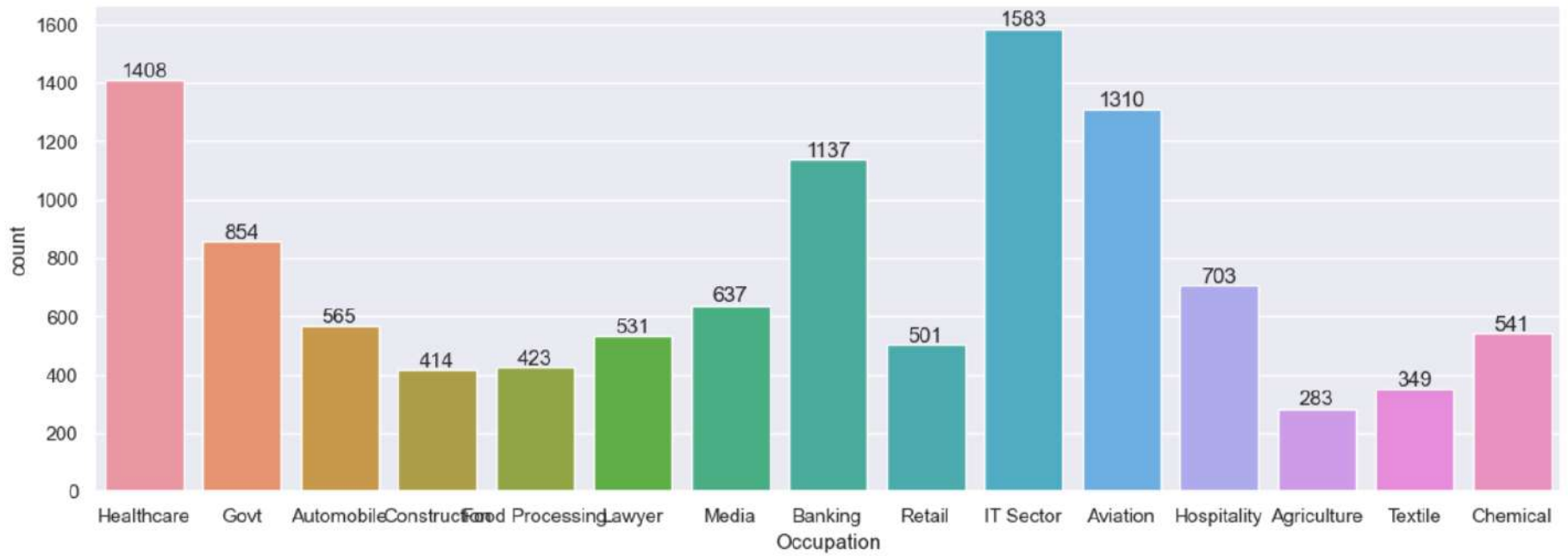
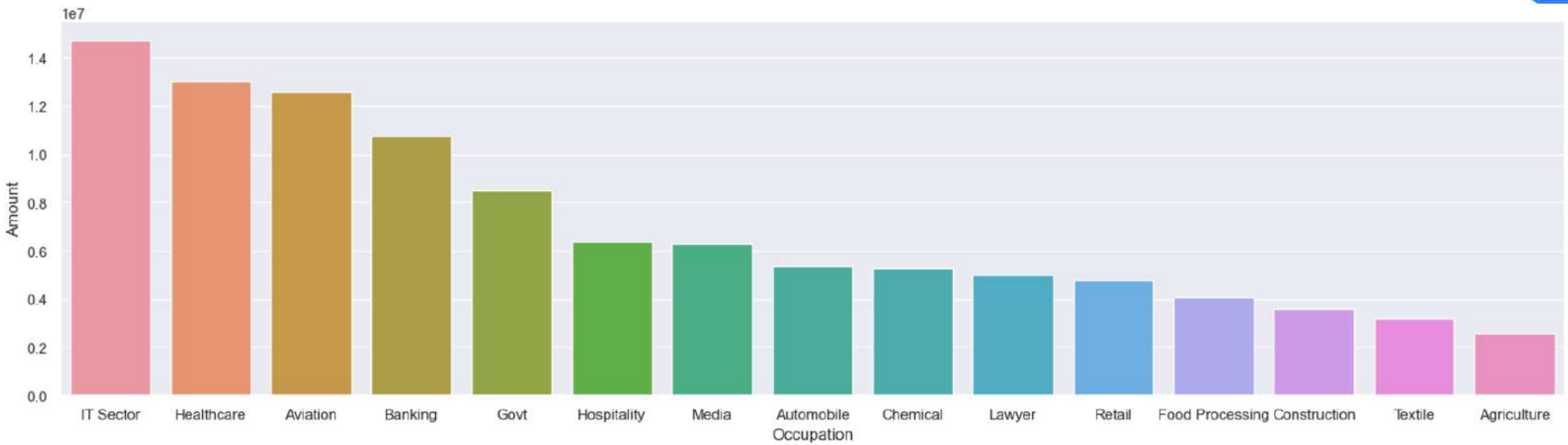

1600
1400
1200
1000
800
600
400
200
0
count
1408
854
565
414
423
531
637
1137
501
1583
1310
703
283
349
541
Healthcare
Govt
Automobile
Construction
Food Processing
Lawyer
Media
Banking
Retail
IT Sector
Aviation
Hospitality
Agriculture
Textile
Chemical
Occupation

In [43]:
```
sales_gen= data.groupby(["Occupation"], as_index=False)["Amount"].sum().sort_values(by="Amount", ascending=False)

sns.set(rc={"figure.figsize":(20,5)})

sns.barplot(x="Occupation", y="Amount", data=sales_gen)
```

Out[43]:
```
<Axes: xlabel='Occupation', ylabel='Amount'>
```



Occupation

PRODUCT CATEGORY

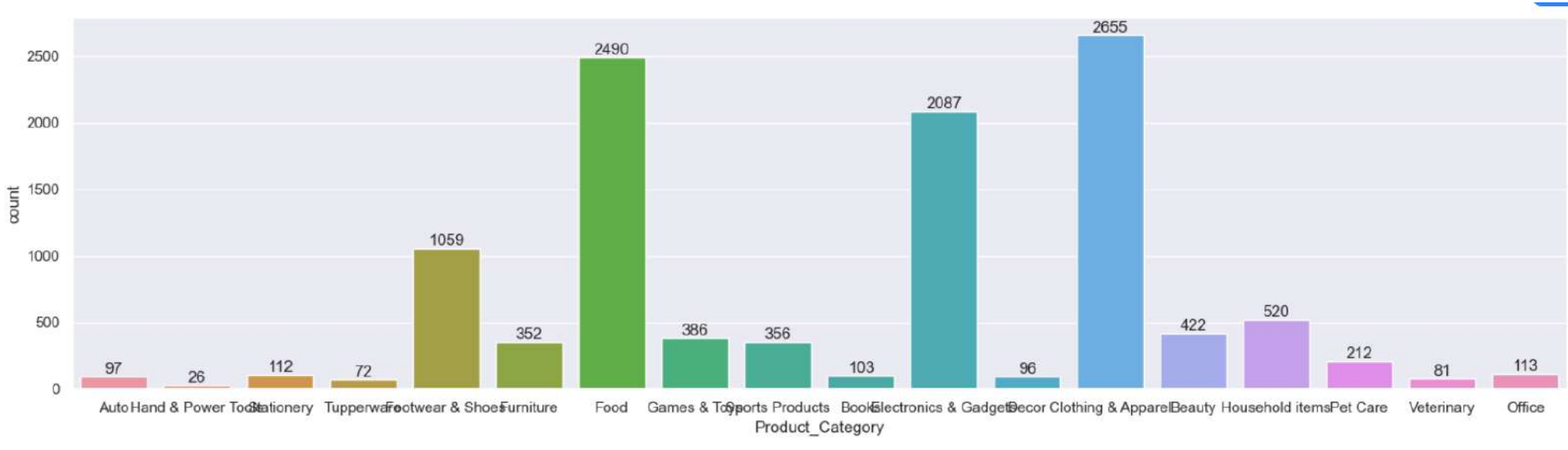
In [44]:
```
data.columns
```

Out[44]:
```
Index(['User_ID', 'Cust_name', 'Product_ID', 'Gender', 'Age Group', 'Age',
       'Marital_Status', 'State', 'Zone', 'Occupation', 'Product_Category',
       'Orders', 'Amount'],
      dtype='object')
```

In [45]:
```
ax= sns.countplot(x= "Product_Category", data=data)

sns.set(rc={"figure.figsize":(20,5)})

for bars in ax.containers:
    ax.bar_label(bars)
```

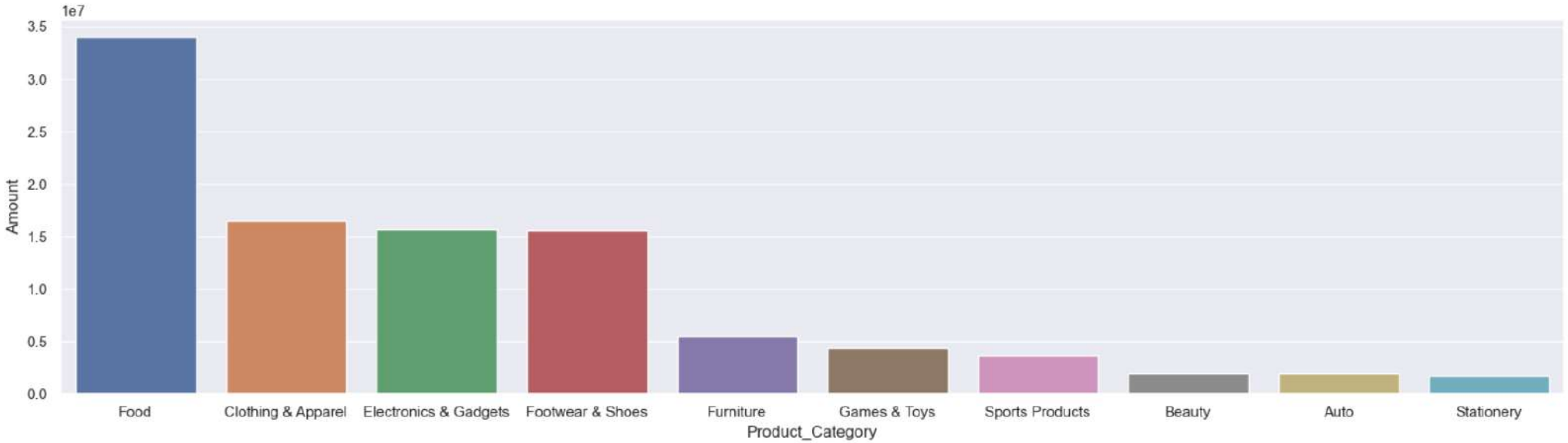

count
2500
2000
1500
1000
500
0
97
26
112
72
1059
352
2490
386
356
103
2087
96
2655
422
520
212
81
113
Auto
Hand & Power Tools
Stationery
Tupperware
Footwear & Shoes
Furniture
Food
Games & Toys
Sports Products
Books
Electronics & Gadgets
Decor
Clothing & Apparel
Beauty
Household items
Pet Care
Veterinary
Office
Product_Category

In [47]:
```
sales_gen= data.groupby(["Product_Category"], as_index=False)["Amount"].sum().sort_values(by="Amount", ascending=False).head(10)

sns.set(rc={"figure.figsize":(20,5)})

sns.barplot(x="Product_Category", y="Amount", data=sales_gen)
```

Out[47]:
```
<Axes: xlabel='Product_Category', ylabel='Amount'>
```



PRODUCT ID

In [48]:
```
data.columns
```

Out[48]:
```
Index(['User_ID', 'Cust_name', 'Product_ID', 'Gender', 'Age Group', 'Age',
       'Marital_Status', 'State', 'Zone', 'Occupation', 'Product_Category',
       'Orders', 'Amount'],
      dtype='object')
```

In [49]:
```
sales_gen= data.groupby(["Product_ID"], as_index=False)["Orders"].sum().sort_values(by="Orders", ascending=False).head(10)

sns.set(rc={"figure.figsize":(20,5)})

sns.barplot(x="Product_ID", y="Orders", data=sales_gen)
```

Out[49]:
```
<Axes: xlabel='Product_ID', ylabel='Orders'>
```