#Checking all the columns and first 5 rows    Voer_ID   Cus_name   Product_ID   Gender   Age Group   Age   Marital_Status   State   Southern   Govt   Healthcare   Auto   1 23952.0   NaN   NaN
2 1001999
df.size  Step-2: Data cleaning & Exploring the data using Pandas and NumPy  #propping the empty columns  df.drop(['Status', 'unnamed1'], axis=1, inplace=True)  #cross verifying the contents of the file  df.info()  *class 'pandas.core.frame.DataFrame'> RangeIndex: 1125i entries, 0 to 11250  Data columns (total 13 columns):  # Column Non-Null Count Dtype  # Column Non-Null Count Dtype  # Column Non-Null count Dtype  # User 10 1125i non-null object  2 Product_1D 1125i non-null object  2 Product_1D 1125i non-null object  4 Age Group 1125i non-null object  5 Age 1125i non-null object  6 Martial_Status 1125i non-null int64  6 Martial_Status 1125i non-null object  8 Zone 1125i non-null object  9 Occupation 1125i non-null object  10 Product_Category 1125i non-null object  10 Product_Category 1125i non-null object  10 Product_Category 1125i non-null object  11 Orders 1125i non-null object  12 Amount object (1) Product_Category 1125i non-null object  10 Product_Category 1125i non-null object  11 Orders 1125i non-null object  12 Amount object (1) Product_Category 1125i non-null object  12 Amount object (1) Product_Cat
Second   1250 00000   1250 00000   1130 0000   1130 00000   1130 00000   1130 00000   1130 00000   1130 0000   1130 000000   1130 000000   1130 00000   1130 00000   1130 00000   1130 00000   1130 00000   1130 00
print (sales, gender vise)  massplants the place (somer), "I foreign a controlled and a sales pender_wise)  massplants the place (somer), "I foreign a controlled and a sales pender_wise)  massplants the place (some a controlled and a sales pender_wise)  massplants the place (some a controlled and a sales and a controlled and a sales pender_wise)  Insight 1: From the above both graphs — we understand that females buyers are double the male buyers. And also females buyers spend double the amount compared to male buyers  Analysing the Age Group data  ### Creating a count plot for Age Group column as east own plot (advant, xed age croup), but = "conder")  ### Adding of Labels and controlled (source)  ### Adding of Labels (so
sales_Aqe_Group = df_rroupby(['Aqe_Group'], as_index = False) ['Amount'], sum().surt_values(by='Amount', ascending=False)  print(sales_Aqe_Group) sales_Aqe_Group) sales_Aqe_Group) sales_Aqe_Group', y='Amount', data = sales_Aqe_Group)  plt.show()  Aqe_Group
Who are the highest buyers - Married or Unmarried?  ### Crowling and sopropating values based on Narital Status data sales Narital Status and or grouply ("Morital Status", desiden"), as Index = False) ['Amount'].sum().sort_values(by='Amount', ascending=False) print(sales Narital Status), y='Amount', data = sales Narital Status, hue = 'Gender') print(sales Narital Status), y='Amount', data = sales Narital Status, hue = 'Gender') print(sales Narital Status) print(sales Narital Status) print(sales Narital Status), y='Amount', data = sales Narital Status, hue = 'Gender') print(sales Narital Status) print(sales Nari
##Finiting of order values by state-wise for reference print(sales_State)  ##Finiting of argain pit. figure(finitee(ls, s)) pit. figure(finitee(ls, s))  ##Finiting of argain pit. figure(finitee(ls, s))  ##Finiting of graph pit. figure(finitee(ls, s))
pil. Figure (Tugsizer (1, s, s)) so. Sarp lot (x's 'State', ye' Amount', data = sales, State) pil. (Litcy 'Which are the Top States byTotal Amount?')  ### Profits
plt. tite("which are the Top Occupation", y="orders", data = sales_Occupation") plt. tite("which are the Top Occupations people belong by their order count?")  plt. tite("which are the Top Occupations people belong by their order count?")  plt. tite("which are the Top Occupations people belong by their order count?")  plt. tite("which are the Top Occupations people belong by their order count?")  plt. tite("which are the Top Occupations people belong by their order count?")  plt. tite("which are the Top Occupations people belong by their order count?")  plt. tite("which are the Top Occupation") plt. tite("which are the Top Occupation place to the Top Occupation plac
Picture (all product categories assed on amount    Combine   Apparel   6834