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plt.fic	Furniture  **Alizing the Sub-Categories  **gure(figsize=(15,10))  **Cle("Sub-Category")  **e(store("Sub-Category"), value_counts(), labels=store("Sub-Category", value_counts(), index, autopot="\$1.1f%%")  **ow()  **Sub category  **Paper**
Phone	8.5% 13.7% Binders  8.5% 15.2% Copiers Machines 2.2% Supplies 2.3% Fasteners 8.0% 1.3% Bookcases 5.3% Bookcase 5.3% Bookcases 5.3% Bookcase 5.3% Bookcase 5.
top_ca	Categories of sales and profit  tegory_s = store.groupby("Category").Sales.sum().nlargest()  tegory_s  836154.0330
Office Name: S  top_ca top_ca Categor Technol Office Furnitu Name: P	Supplies 719047.0320 ales, dtype: float64  tegory_p=store.groupby("Category").Profit.sum().nlargest() tegory_p  y ogy 145454.9481 Supplies 122490.8008 re 18451.2728 rofit, dtype: float64  alizing the total categories of sales vs profit
plt.sty top_ca top_ca plt.xla plt.yla	Total categories sales/profit  Sales Profit
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top_sultop_sultop_sul Sub-Cat Phones Chairs Storage Tables Binders Machine	sub categories of sales and profit  category_s = store.groupby("sub-Category").Sales.sum().nlargest(n=100)  bcategory_s  as 30007.0540 328449.1030 223843.6080 2039412.7330 s 189238.6310
top_sultop_sul top_sul Sub-Cat Copiers Phones Accesso Paper Binders	149528.0300 es 114879.3963 ces 107532.1610 ings 91705.1640 78479.2060 s 46673.5380 27118.7920 es 16476.4020 12486.3120 rs 3024.2800 ales, dtype: float64  boategory_p = store.groupby("Sub-Category").Profit.sum().nlargest.(n=100) boategory_p  eggory 55617.8249 44515.7306 rice 41936.63337 34053.5693
plt.fic plt.st; top_sul top_sul	21278.8264 ca 1813.0594 ings 13059.1436 es 6964.1767 6527.7870 5546.2540 s 3384.7569 rs 949.5182 a -1189.0995 es -3472.5560 -17725.4811 rofit, dtype: float64  alizing the total sub categories of sales vs profit  gure(figsize=(15,8)) yle.use("seaborn") poategory_s.plot (kind="bar", color="purple", fontsize=14) poategory_s.plot (kind="bar", color="pink", fontsize=14) poategory_s.plot (kind="bar", color="pink", fontsize=14) poategory_s.plot (kind="bar", color="pink", fontsize=14)
30000 25000	Total categories sales/profit  Output  Total categories sales/profit  Total categories sales/profit  Total categories sales/profit  Total categories sales/profit
15000 10000 5000	
top_red top_red Region West East Central South Name: S	e graph clearly shows that the copiers and phones have the highest profit and sales but tables has no profit  gion_s = store.groupby("Region").Sales.sum().nlargest(n=100)  gion_s  725457.8245 678781.2400 501239.8908 391721.9050 ales, dtype: float64  gion_p = store.groupby("Region").Frofit.sum().nlargest(n=100)
plt.sty plt.fic top_rec top_rec plt.xla plt.yla	108418.4489 91522.7800 46749.4303 339706.3625 rofit, dtype: float64  yle.use('seaborn') gure(figsize=(20,10)) gion_s.plot(kind = 'bar', figsize = (10,5), fontsize = 14, color="purple") gion_s.plot(kind = 'bar', figsize = (10,5), fontsize = 14, color="purple") gion_p.plot(kind = 'bar', figsize = (10,5), fontsize = 14, color='pink') abel('Region', fontsize = 15) abel('Total Sales/Profits', fontsize = 15)
70000 60000 60000 40000 30000	Top Region Sales vs Profit
The above top_statop_state	Region  e graph shows that the west region has the highest amount of sales and profit  ates_s = store.groupby("State").Sales.sum().nlargest(n=5) ates_s
top_state State Califor New Yor Washing	<pre>k     310876.2710      170188.0458 ton     138641.2700 vania     116511.9140 ales, dtype: float64  ates_p = store.groupby("State").Profit.sum().nlargest(n=5) ates_p  nia     76381.3871 k     74038.5486 ton     33402.6517</pre>
Michiga Virgini Name: P  plt.st plt.fic top_sta top_sta plt.xla plt.yla	n 24463.1876 a 18597.9504 rofit, dtype: float64  yle.use('seaborn') gure(figsize=(15,7)) ates_s.plot(kind = 'bar',figsize = (10,5),fontsize = 14,color="purple") ates_p.plot(kind = 'bar',figsize = (10,5),fontsize = 14,color='pink') abel('states',fontsize = 15) abel('Total Sales/Profits',fontsize = 15) tle("Top 5 states of Sales vs Profit",fontsize = 15) gend()
20000 20000 10000	Sales Profit