

EDS Assignment

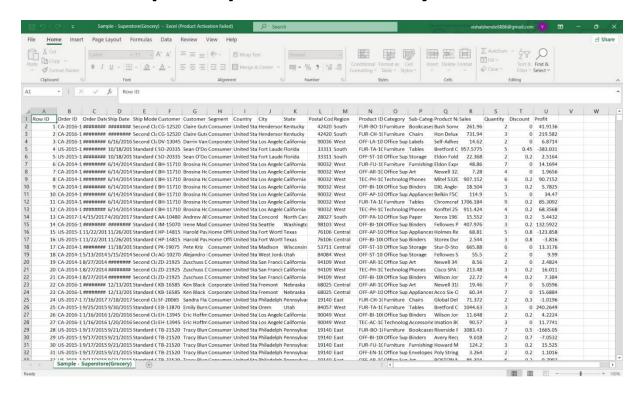
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Class: - CS7

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Sample-Superstore Grocery DATASET



Display of data in Python

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS					D. Python + ∨ ∏ 🛍 ··· ∨ ×
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90045 West OFF-AP-10000055 Office Supplies Appliances 8 Outlet Surge 64.9600 2 0.00 19.4880					Belkin F9S820V06
9652 9653 CA-2016-107104 11/26/2016 11/30/2016 Standard Class 90045 West FUR-FU-10002937 Furniture Furnishings 4 Watts, 30/Box 959,3800 6 0.00 297,6900	MS-17365	Maribeth Schnelling	Consumer	United States GE 48	Los Angeles California "Fluorescent Tube, Cool White Energy Saver, 3
9653 9654 CA-2017-161893 1/23/2017 1/27/2017 Standard Class 85785 West TEC-AC-18001874 Technology Accessories for PC and Mac 95.9840 2 0.20 11.9980	HP-14815	Harold Pawlan	Home Office	United States	Tucson Arizona Logitech Wireless Anywhere Mouse MX
9654 9655 CA-2017-161893 1/23/2017 1/27/2017 Standard Class 85705 West OFF-BI-10004506 Office Supplies Binders	HP-14815	Harold Pawlan	Home Office	United States	Tucson Arizona Wilson Jones data.warehouse D-Ring Binder
9655 9656 CA-2014-156160 9/22/2014 9/29/2014 Standard Class 10035 East FUR-FU-10001876 Furniture Furnishings	AS-10090	Adam Shillingsburg	Consumer	United States	New York City New York Computer R
oom Manger, 14" 97.4400 3 0.00 35.0784 9656 9657 CA-2014-156160 9/22/2014 9/29/2014 Standard Class 10035 East OFF-BI-10003355 Office Supplies Binders	AS-10090	Adam Shillingsburg	Consumer	United States	New York City New York Cardinal Holdit Busine
ss Card Pockets 3.9840 1 0.20 1.3944 9657 9658 CA-2014-156160 9/22/2014 9/29/2014 Standard Class 10035 East OFF-AR-10003876 Office Supplies ter. Yellow Ink 13.8480 4 0.80 5.7376	AS-10090	Adam Shillingsburg	Consumer	United States	New York City New York Avery Hi-Liter GlideStik Fluorescent Highligh
ter, Yellow Ink 13.0400 4 0.00 5.7376 9658 9659 CA-2014-156160 9/22/2014 9/29/2014 Standard Class 10035 East FUR-CH-10004083 Furniture Chairs Adjustable Ams 579.5280 4 0.10 83.7096	AS-10090	Adam Shillingsburg O		United States Mid Back Dual	New York City New York function Ergonomic High Back Chair with 2-Way
96 ⁵ 9 9660 CA-2014-100860 3/26/2014 3/30/2014 Second Class 91767 West OFF-LA-10001982 Office Supplies Labels	CS-12505	Cindy Stewart	Consumer	United States	Pomona California mead Alpha-Z Color-Coded Name Labels First Let
ter Starter Set 18.7590 5 0.00 9.0000 9660 9661 CA-2016-160717 6/6/2016 6/11/2016 Standard Class 93101 West TEC-PH-10001459 Technology Phones Galaxy Mega 6.3 3023.9280 9 0.20 226.7946	ME-17320	Maria Etezadi	Home Office	United States	Santa Barbara California Samsung
9661 9662 CA-2016-160717 6/6/2016 6/11/2016 Standard Class 93101 West TEC-AC-10002134 Technology Accessories	ME-17320	Maria Etezadi	Home Office	United States	Santa Barbara California Rosewill 107 Normal Keys USB Wired St
andard Keyboard 26,9690 2 0.90 3,7744 9662 9663 CA-2016-160717 6/6/2016 6/11/2016 Standard Class 93101 West TEC-PH-10001760 Technology Phones uetooth Speaker 477,6900 3 0.20 161,1900	ME-17320	Maria Etezadi	Home Office	United States	Santa Barbara California Bose SoundLink Bl
9663 9664 CA-2017-132619 8/31/2017 9/5/2017 Standard Class 94109 West OFF-ST-10001511 Office Supplies Storage	MS-17770	Maxwell Schwartz	Consumer	United States	San Francisco California Space Solutions Commercial
Steel Shelving 193.9500 3 0.00 9.6975 9664 9665 US-2015-120957 12/7/2015 12/7/2015 Same Day 92503 West OFF-PA-10003953 Office Supplies Paper	KH-16690	Kristen Hastings	Corporate	United States	Riverside California
Xerox 218 12.9600 2 0.00 6.2208 9665 9666 CA-2017-157448 11/16/2017 11/20/2017 Standard Class 90049 West FUR-FU-10003268 Furniture Furnishings	LC-16885	Lena Creighton	Consumer	United States	Los Angeles California Eldon Radial Chair Mat for Low to Medi
um Pile Carpets 119.9400 3 0.00 23.9880 9666 9667 CA-2017-157448 11/16/2017 11/20/2017 Standard Class	LC-16885	Lena Creighton	Consumer	United States	
90049 West FUR-FU-10001847 Furniture Furnishings			Ln 12, Col 1	Spaces: 4 UTF-	Eldon Image Series Black D 8 CRLF {} Python 😝 3.13.264-bit 🖗 Go Live 🚨

1. Find the total number of unique orders.

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2. Find the customer with the highest number of orders.

3. Calculate the average sales value across all orders.

4. Find the standard deviation of profit overall.

5. Find the number of orders with discount greater than 30%

6. List order where sales value is less than Rs 500.

7. Calculate the average quantity sold per category.

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8. Find the number of unique product sold in each category.

9. Find product when profit is negative.

10. Find the maximum sales recorded in a single order.

11. List all order where ship mode is "Same Day".

12. Find the total quantity of product sold per region.

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| Sample Superstore.csv | Sam
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13. Find the city with highest total sales.

14. Find orders where shipping took more than 5 days.

15. Calculate the median discount across all orders.

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```

16. Find product sold more than 100 times.

17. Find states where average profit is negative.

18. Create a new column 'High Discount' (Discount>50%).

19. Find the percentage of orders shipping in "First Class" mode.

20. Create a new column 'Fast shipping' (Order Date = Ship Date).