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Last login: Sun Jan  4 20:03:01 on ttys000
(base) jashwanthgangisetty@Jashwanths-Mac ~ % mysql --local-infile=1 -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 8.0.44 Homebrew

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> SET GLOBAL local_infile = 1;
Query OK, 0 rows affected (0.00 sec)

mysql> SHOW VARIABLES LIKE 'local_infile';
+-----+-----+
| Variable_name | Value |
+-----+-----+
| local_infile | ON |
+-----+-----+
1 row in set (0.04 sec)

mysql> USE profit_leakage;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> LOAD DATA LOCAL INFILE '/Users/jashwanthgangisetty/Documents/cleaned_superstore_data.csv'
-> INTO TABLE sales_raw
-> FIELDS TERMINATED BY ','
-> ENCLOSED BY ''
-> LINES TERMINATED BY '\n'
-> IGNORE 1 ROWS;
ERROR 2 (HY000): File '/Users/jashwanthgangisetty/Documents/cleaned_superstore_data.csv' not found (OS errno 2 - No such file or directory)
mysql> LOAD DATA LOCAL INFILE '/Users/jashwanthgangisetty/Projectssssssssss/Data Analytics/cleaned_superstore_data.csv'
-> INTO TABLE sales_raw
-> FIELDS TERMINATED BY ','
-> ENCLOSED BY ''
-> LINES TERMINATED BY '\n'
-> IGNORE 1 ROWS;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ''/Users/jashwanthgangisetty/Projectssssssssss
/Data Analytics/cleaned_superstore' at line 1
mysql> LOAD DATA LOCAL INFILE '/Users/jashwanthgangisetty/Projectssssssssss/Data Analytics/cleaned_superstore_data.csv'
-> INTO TABLE sales_raw
-> FIELDS TERMINATED BY ','
-> ENCLOSED BY ''
-> LINES TERMINATED BY '\n'
-> IGNORE 1 ROWS;
Query OK, 1237 rows affected, 102 warnings (0.05 sec)
Records: 1237 Deleted: 0 Skipped: 0 Warnings: 102

mysql> SELECT COUNT(*) FROM sales_raw;
+-----+
| COUNT(*) |
+-----+
| 1237 |
+-----+
1 row in set (0.00 sec)

mysql> SELECT * FROM sales_raw LIMIT 5;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| row_id | order_id | order_date | ship_date | ship_mode | customer_id | customer_name | segment | country | city | state | postal_code | region | product_id
| month | discount_band | category | sub_category | product_name | | | sales | quantity | discount | profit | | | | | |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | CA-2016-152156 | 11/8/2016 | 11/11/2016 | Second Class | CG-12520 | Claire Gute | Consumer | United States | Henderson | Kentucky | 42420 | South | FUR-BO-1000
1798 | Furniture | Bookcases | Bush Somerset Collection Bookcase | | | | 261.9600 | 2 | 0.00 | 41.9136 | 0.1600 | Profit | | 2016 | August
| 3 | CA-2016-138688 | 6/12/2016 | 16/6/2016 | Second Class | DV-13045 | Darrin Van Huff | Corporate | United States | Los Angeles | California | 90036 | West | OFF-LA-1000
0240 | Office Supplies | Labels | Self-Adhesive Address Labels for Typewriters by Universal | | | | 14.6200 | 2 | 0.00 | 6.8714 | 0.4700 | Profit | | 2016 | Deceme
| 4 | US-2015-108966 | 10/11/2015 | 18/10/2015 | Standard Class | SO-20335 | Sean O'Donnell | Consumer | United States | Fort Lauderdale | Florida | 33311 | South | FUR-TA-1000
0577 | Furniture | Tables | Bretford CR4500 Series Slim Rectangular Table | | | | 957.5775 | 5 | 0.45 | -383.0310 | -0.4000 | Loss | | 2015 | Novembe
| % |
| 6 | CA-2014-115812 | 6/9/2014 | 14/6/2014 | Standard Class | BH-11710 | Brosina Hoffman | Consumer | United States | Los Angeles | California | 90032 | West | FUR-FU-1000
1487 | Furniture | Furnishings | Eldon Expressions Wood and Plastic Desk Accessories, Cherry Wood | 48.8600 | 7 | 0.00 | 14.1694 | 0.2900 | Profit | | 2014 | Septemb
| 13 | CA-2017-114412 | 15/4/2017 | 28/4/2017 | Standard Class | AA-10480 | Andrew Allen | Consumer | United States | Concord | North Carolina | 28027 | South | OFF-PA-1000
2365 | Office Supplies | Paper | Xerox 1967 | | | | 15.5520 | 3 | 0.20 | 5.4432 | 0.3500 | Profit | | 2017 | April
| 0-20% |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> SELECT * FROM sales_raw LIMIT 5;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| row_id | order_id | order_date | ship_date | ship_mode | customer_id | customer_name | segment | country | city | state | postal_code | region | product_id
| month | discount_band | category | sub_category | product_name | | | sales | quantity | discount | profit | | | | | |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | CA-2016-152156 | 11/8/2016 | 11/11/2016 | Second Class | CG-12520 | Claire Gute | Consumer | United States | Henderson | Kentucky | 42420 | South | FUR-BO-1000
1798 | Furniture | Bookcases | Bush Somerset Collection Bookcase | | | | 261.9600 | 2 | 0.00 | 41.9136 | 0.1600 | Profit | | 2016 | August
| 3 | CA-2016-138688 | 6/12/2016 | 16/6/2016 | Second Class | DV-13045 | Darrin Van Huff | Corporate | United States | Los Angeles | California | 90036 | West | OFF-LA-1000
0240 | Office Supplies | Labels | Self-Adhesive Address Labels for Typewriters by Universal | | | | 14.6200 | 2 | 0.00 | 6.8714 | 0.4700 | Profit | | 2016 | Deceme
| 4 | US-2015-108966 | 10/11/2015 | 18/10/2015 | Standard Class | SO-20335 | Sean O'Donnell | Consumer | United States | Fort Lauderdale | Florida | 33311 | South | FUR-TA-1000
0577 | Furniture | Tables | Bretford CR4500 Series Slim Rectangular Table | | | | 957.5775 | 5 | 0.45 | -383.0310 | -0.4000 | Loss | | 2015 | Novembe
| % |
| 6 | CA-2014-115812 | 6/9/2014 | 14/6/2014 | Standard Class | BH-11710 | Brosina Hoffman | Consumer | United States | Los Angeles | California | 90032 | West | FUR-FU-1000
1487 | Furniture | Furnishings | Eldon Expressions Wood and Plastic Desk Accessories, Cherry Wood | 48.8600 | 7 | 0.00 | 14.1694 | 0.2900 | Profit | | 2014 | Septemb
| 13 | CA-2017-114412 | 15/4/2017 | 28/4/2017 | Standard Class | AA-10480 | Andrew Allen | Consumer | United States | Concord | North Carolina | 28027 | South | OFF-PA-1000
2365 | Office Supplies | Paper | Xerox 1967 | | | | 15.5520 | 3 | 0.20 | 5.4432 | 0.3500 | Profit | | 2017 | April
| 0-20% |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> DROP TABLE IF EXISTS sales;
Query OK, 0 rows affected (0.00 sec)

mysql> CREATE TABLE sales (
->     row_id INT,
->     order_id VARCHAR(50),
->     order_date DATE,
->     ship_date DATE,
->     ship_mode VARCHAR(50),
->     customer_id VARCHAR(50),
->     customer_name VARCHAR(100),
->     segment VARCHAR(50),
->     country VARCHAR(50),
->     city VARCHAR(50),
->     state VARCHAR(50),
->     postal_code VARCHAR(20),
->     region VARCHAR(50),
->     product_id VARCHAR(50),
->     category VARCHAR(50),
->     sub_category VARCHAR(50),
->     product_name VARCHAR(200),
->     sales DECIMAL(10,2),
->     quantity INT,

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--> discount DECIMAL(5,2),
--> profit DECIMAL(10,2),
--> profit_margin DECIMAL(6,4),
--> loss_flag VARCHAR(10),
--> order_year INT,
--> order_month VARCHAR(20),
--> discount_band VARCHAR(20)
--> );
Query OK, 0 rows affected (0.02 sec)

mysql> INSERT INTO sales
--> SELECT
-->     row_id,
-->     order_id,
-->     STR_TO_DATE(order_date, '%d/%m/%Y'),
-->     STR_TO_DATE(ship_date, '%d/%m/%Y'),
-->     ship_mode,
-->     customer_id,
-->     customer_name,
-->     segment,
-->     country,
-->     city,
-->     state,
-->     postal_code,
-->     product_id,
-->     category,
-->     sub_category,
-->     product_name,
-->     ROUND(sales, 2),
-->     quantity,
-->     discount,
-->     ROUND(profit, 2),
-->     ROUND(profit / sales, 4),
-->     CASE
-->         WHEN profit < 0 THEN 'Loss'
-->         ELSE 'Profit'
-->     END,
-->     YEAR(STR_TO_DATE(order_date, '%d/%m/%Y')),
-->     MONTHNAME(STR_TO_DATE(order_date, '%d/%m/%Y')),
-->     CASE
-->         WHEN discount = 0 THEN '0%'
-->         WHEN discount <= 0.1 THEN '0-10%'
-->         WHEN discount <= 0.2 THEN '10-20%'
-->         ELSE '>20%'
-->     END
--> FROM sales_raw;
Query OK, 1237 rows affected (0.05 sec)
Records: 1237  Duplicates: 0  Warnings: 0

mysql> SELECT COUNT(*) FROM sales;
+-----+
| COUNT(*) |
+-----+
| 1237 |
+-----+
1 row in set (0.00 sec)

mysql> SELECT * FROM sales LIMIT 5;
+-----+
| row_id | order_id      | order_date    | ship_date    | ship_mode   | customer_id | customer_name | segment      | country     | city        | state       | postal_code | region      | product_id |
| category | sub_category | product_name |
| discount_band |
+-----+
| 1 | CA-2016-152156 | 2016-08-11 | 2016-11-11 | Second Class | CG-12520 | Claire Gute | Consumer    | United States | Henderson | Kentucky    | 42420 | South      | FUR-BO-1000
1798 | Furniture      | Bookcases    | Bush Somerset Collection Bookcase |          |          |          |          |          |          |          |          |          |          |          |
| 0% |
| 3 | CA-2016-138688 | 2016-12-06 | 2016-06-16 | Second Class | DV-13045 | Darrin Van Huff | Corporate   | United States | Los Angeles | California  | 90036 | West       | OFF-LA-1000
0240 | Office Supplies | Labels       | Self-Adhesive Address Labels for Typewriters by Universal |          |          |          |          |          |          |          |          |          |          |          |
| 0% |
| 4 | US-2015-108966 | 2015-11-10 | 2015-10-18 | Standard Class | SO-20335 | Sean O'Donnell | Consumer    | United States | Fort Lauderdale | Florida    | 33311 | South      | FUR-TA-1000
0577 | Furniture      | Tables       | Bretford CR4500 Series Slim Rectangular Table |          |          |          |          |          |          |          |          |          |          |          |
| >20% |
| 6 | CA-2014-115812 | 2014-09-06 | 2014-06-14 | Standard Class | BH-11710 | Brosna Hoffman | Consumer    | United States | Los Angeles | California  | 90032 | West       | FUR-FU-1000
1487 | Furniture      | Furnishings | Eldon Expressions Wood and Plastic Desk Accessories, Cherry Wood |          |          |          |          |          |          |          |          |          |          |          |
| 0% |
| 13 | CA-2017-114412 | 2017-04-15 | 2017-04-20 | Standard Class | AA-10480 | Andrew Allen | Consumer    | United States | Concord    | North Carolina | 28027 | South      | OFF-PA-1000
2365 | Office Supplies | Paper       | Xerox 1967 |          |          |          |          |          |          |          |          |          |          |          |
| 10-20% |
+-----+
5 rows in set (0.00 sec)

mysql> SELECT
-->     ROUND(SUM(sales),2) AS total_sales,
-->     ROUND(SUM(profit),2) AS total_profit,
-->     ROUND(SUM(profit)/SUM(sales),4) AS profit_margin
--> FROM sales;
+-----+
| total_sales | total_profit | profit_margin |
+-----+
| 273172.92 | 23208.46 | 0.0850 |
+-----+
1 row in set (0.05 sec)

mysql> SELECT
-->     COUNT(*) AS loss_orders,
-->     ROUND(
-->         COUNT(*) * 100.0 / (SELECT COUNT(*) FROM sales),
-->         2
-->     ) AS loss_order_percentage
--> FROM sales
--> WHERE profit < 0;
+-----+
| loss_orders | loss_order_percentage |
+-----+
| 233 | 18.84 |
+-----+
1 row in set (0.09 sec)

mysql> SELECT
-->     product_name,
-->     ROUND(SUM(sales),2) AS total_sales,
-->     ROUND(SUM(profit),2) AS total_profit,
-->     ROUND(SUM(profit)/SUM(sales),4) AS margin
--> FROM sales
--> GROUP BY product_name
--> HAVING SUM(profit) < 0
--> ORDER BY total_profit;
+-----+
| product_name | total_sales | total_profit | margin |
+-----+
| Cubify CubeX 3D Printer Triple Head Print | 7999.98 | -3839.99 | -0.4800 |
| Riverside Palais Royal Lawyers Bookcase, Royale Cherry Finish | 3083.43 | -1665.05 | -0.5400 |
| Chromcraft Bull-Nose Wood Oval Conference Tables & Bases | 5950.58 | -1630.99 | -0.2741 |
| Hoover Upright Vacuum With Dirt Cup | 463.25 | -1181.28 | -0.5500 |
| GBC Ibimaster 500 Manual ProClick Binding System | 1141.47 | -760.98 | -0.6667 |
| BoxOffice By Design Rectangular and Half-Moon Meeting Room Tables | 984.38 | -728.44 | -0.7400 |
| Chromcraft 48" x 96" Racetrack Double Pedestal Table | 1282.56 | -718.24 | -0.5600 |
| GBC ProClick 150 Presentation Binding System | 442.37 | -562.44 | -1.2714 |
| Bush Advantage Collection Racetrack Conference Table | 1988.94 | -526.02 | -0.2756 |
| Ibico Hi-Tech Manual Binding System | 1086.46 | -503.23 | -0.5000 |
| Bevis Boat-Shaped Conference Table | 786.34 | -408.99 | -0.5200 |
| Bevis 44 x 96 Conference Tables | 617.70 | -407.68 | -0.6600 |
| Deflecto RollMat Studded, Beveled Mat for Medium Pile Carpeting | 848.52 | -361.54 | -0.4261 |
| Chromcraft Rectangular Conference Tables | 1279.63 | -341.24 | -0.2667 |
| Lexmark MarkNet N8150 Wireless Print Server | 482.34 | -337.64 | -0.7000 |
| Bretford iJust In Time! Height-Adjustable Multi-Task Work Tables | 2003.52 | -325.57 | -0.1625 |
| Global High-Back Leather Tilter, Burgundy | 1426.69 | -324.70 | -0.2276 |
| Eldon ClusterMat Chair Mat with Cordless Antistatic Protection | 254.74 | -312.86 | -1.2250 |
| Office Impressions End Table, 20-1/2" x 24" x 20"D | 1488.42 | -297.68 | -0.2000 |
+-----+

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Chromcraft Round Conference Tables	1080.60	-296.29	-6.2742
Acco 7-Outlet Masterpiece Power Center, Witout Fax/Phone Line Protection	97.26	-243.16	-2.5001
SAFCO Boltless Steel Shelving	1340.96	-234.89	-6.1746
Honeywell Enviracaire Portable Air Cleaner for up to 8 x 10 Room	92.06	-225.56	-2.4501
O'Sullivan Plantations 2-Door Library in Landvery Oak	956.66	-225.10	-6.2353
High-Back Leather Manager's Chair	1195.92	-223.59	-6.1870
Hon 2090 iPillow Softi Series Mid Back Swivel/Tilt Chairs	1348.70	-219.16	-6.1625
SAFCO PlanMaster Boards, 60w x 37-1/2d, White Melamine	455.97	-218.87	-6.4800
Bush Advantage Collection Round Conference Table	977.96	-197.72	-6.2022
Triple Lite Isotel 8 Ultra 8 Outlet Metal Surge	184.52	-183.18	-6.9923
Eureka Sanitaire Commercial Upright	66.28	-178.97	-2.7002
GBC VeloBind Electric Binding Machine	254.06	-169.37	-6.6667
Apple iPhone 5	779.80	-168.96	-6.2167
Harmony Air Purifier	75.60	-166.32	-2.2000
Hon Practical Foundations 30 x 60 Training Table, Light Gray/Charcoal	375.46	-157.81	-6.4182
Fellowes Officeware Wire Shelving	646.78	-145.52	-6.2258
Bretford CR4500 Series Slim Rectangular Table	2802.23	-142.77	-6.0713
BPA Conference Tables	219.08	-131.45	-6.0000
Kensington 7 Outlet MasterPiece HOMEOFFICE Power Control Center	52.45	-131.12	-2.4999
Heimes Replacement Filter for HEPA Air Cleaner, Very Large Room, HEPA Filter	68.81	-123.86	-1.8000
GBC Document 300 Electric Binding Machine	157.19	-115.72	-6.7334
Bovis Recommended Conference Tables	145.98	-99.47	-6.6800
Atlantic Metals Mobile 2-Shelf Bookcases, Custom Colors	72.29	-98.10	-1.3667
Hon 4700 Series Nobulus Mid-Back Task Chairs with Adjustable Arms	747.56	-96.11	-6.1286
Belkin 8 Outlet Surge Suppressor	32.78	-85.24	-2.044
GBC VeloBind Prepuunched Cover Sets, Regency Series	99.85	-83.21	-6.8334
Hon 2111 Invitation Series Straight Table	517.41	-81.31	-6.1571
APC 7 Outlet Network SurgeArrest Surge Protector	32.19	-80.48	-2.5002
Safco Industrial Wire Shelving	1132.69	-77.74	-6.0686
Global Low Back Tilter Chair	382.94	-76.74	-6.2533
Balt Solid Wood Rectangular Table	400.86	-73.84	-6.1842
SAFCO PlanMaster Height-Adjustable Drafting Table Base, 43w x 30d x 30-37h, Black	1048.35	-69.89	-6.0667
Acco D-Ring Binder w/Dublock	62.00	-68.84	-1.1183
Global Deluxe Steno Chair	685.12	-68.51	-6.1000
Belkin 19" Vented Equipment Shelf, Black	288.29	-68.46	-6.2375
Tenex Antistatic Computer Chair Mats	547.14	-68.39	-6.1250
Premier Elliptical Ring Binder, Black	42.62	-68.19	-1.6000
Astra 57i VoIP phone	298.90	-67.88	-6.2333
Compact Automatic Electric Letter Opener	286.34	-64.43	-6.2250
LG Exalt	280.78	-66.84	-6.2167
Bush Andora Conference Table, Maple/Graphite Gray Finish	295.18	-58.13	-6.2833
Office Star - Contemporary Task Swivel chair with Loop Arms, Charcoal	419.14	-57.63	-6.1375
SAFCO Commercial Wire Shelving, Black	773.58	-55.26	-6.0714
Howard Miller 14-1/2" Diameter Chrome Round Wall Clock	76.73	-53.71	-6.7000
Eldon Cleatmat Chair Mats for Medium Pile Carpets	44.40	-52.17	-1.1750
Global Troy Executive Leather Low-Back Tilter	761.37	-50.18	-6.0714
GBC Twin Loop Wire Binding Elements	33.28	-49.92	-1.5000
Sauder Cornerstone Collection Library	123.92	-48.95	-6.3958
Canvas Sectional Post Binders	68.74	-48.12	-6.7000
Hon Comfortask Task/Swivel Chairs	239.36	-47.87	-6.2000
Satellite Sectional Post Binders	26.05	-44.28	-1.6998
O'Sullivan Elevations Bookcase, Cherry Finish	183.37	-36.67	-6.2000
Bush Mission Pointe Library	205.33	-36.24	-6.1765
AT&T 1980 Corded phone	164.39	-35.62	-6.2167
Wilson Jones Century Plastic Molded Ring Binders	31.15	-34.89	-1.1281
Novimex Swivel Fabric Task Chair	905.88	-34.72	-6.0383
Contemporary Wood/Metal Frame	51.71	-32.32	-6.6258
Fellowes Basic Home/Office Series Surge Protectors	98.65	-30.37	-6.3079
Sauder Forest Hills Library with Doors, Woodland Oak Finish	257.57	-28.98	-6.1125
12-1/2" Diameter Round Wall Clock	47.96	-28.78	-6.0601
KI Conference Tables	567.12	-28.36	-6.0500
Cisco CP-7937G Unified IP Conference Station Phone	695.70	-27.83	-6.0400
Fellowes Premier Superior Surge Suppressor, 10-Outlet, With Phone and Remote	117.41	-27.39	-6.2333
Logitech K350 2.4GHz Wireless Keyboard	238.90	-26.88	-6.1125
GBC Durable Plastic Covers	89.01	-25.93	-6.2913
Office Star - Ergonomically Designed Knee Chair	259.14	-25.91	-6.1000
GBC Standard Recycled Report Covers, Clear Plastic Sheets	75.46	-25.45	-6.3373
Sierra Sheffield Collection Coffee Table, End Table, Center Table, Corner Table	271.21	-24.98	-6.0921
SAFCO Commercial Wire Shelving, 72"	526.66	-24.58	-6.0465
O'Sullivan Living Dimensions 5-Shelf Bookcases	176.48	-22.10	-6.1250
JBL Micro Wireless Portable Bluetooth Speaker	203.96	-21.00	-6.1838
GBC Clear Cover 8-1/2" x 11", unpunched, 25 covers per pack	12.13	-20.62	-6.6999
GBC Linen Binding Covers	27.88	-20.45	-6.7335
i-Spot Portable Power 8000 mAh	34.78	-20.14	-6.7676
Global Steno Chair without Arms, Black	254.69	-19.19	-6.0714
Deflect-o EconoMat Studded, No Bevel Mat for Low Pile Carpeting	132.22	-18.18	-6.1375
Hevlett-Packard Deskjet 6540 Color Inkjet Printer	821.30	-16.43	-6.0200
Eldon Base for stackable storage shelf, platinum	288.37	-15.58	-6.0556
MediaBridge Sport Armband iPhone 5s	123.88	-14.58	-6.1177
Eldon Expressions Desk Accessory, Wood Pencil Holder, Oak	19.38	-14.48	-6.7503
O'Sullivan Manor Hill 2-Door Library in Brianna Oak	387.67	-14.48	-6.0471
Hon Olson Stacker Stools	492.84	-14.08	-6.0286
Laminate Occasional Tables	369.91	-13.87	-6.0375
Premium Transparent Presentation Covers by GBC	18.88	-13.85	-6.7336
Sauder Camden County Collection Libraries, Planked Cherry Finish	195.47	-13.80	-6.0766
Martin-Yale Premier Letter Opener	123.65	-13.78	-6.1114
V7 USB Numeric Keypad	83.98	-13.65	-6.1625
Office Star - Contemporary Task Swivel Chair	155.37	-13.32	-6.0857
Carina 42" x 23 3/4" Media Storage Unit	145.76	-12.96	-6.0889
Executive Impressions 16-1/2" Circular Wall Clock	32.06	-12.83	-6.4002
GBC Instant Index System for Binding Systems	18.65	-12.43	-6.6665
Novimex Fabric Task Chair	195.14	-12.20	-6.0625
Padded Folding Chairs, Black, 4/Carton	396.80	-11.34	-6.0286
DAX Copper Panel Document Frame, 5 x 7 Size	25.16	-11.32	-6.4499
Cardinal EasyOpen D-Ring Binders	71.29	-10.97	-6.1539
Fellowes Bankers Box Stor/Drawer Steel Plus	422.14	-9.59	-6.0227
Macally Suction Cup Mount	38.24	-9.56	-6.2500
Motorola HK250 Universal Bluetooth Headset	216.11	-9.19	-6.0425
Global Task Chair, Black	81.42	-9.16	-6.1125
ARKON Windshield Dashboard Air Vent Car Mount Holder	40.68	-9.15	-6.2249
GBC Instant Report Kit	7.12	-9.05	-1.2711
Bevin Round Conference Table Top & Single Column Base	453.66	-8.78	-6.0194
Avery 3 1/2" Diskette Storage Pages, 10/Pack	81.43	-8.77	-6.1077
Insertable Tab Post Binder Dividers	29.67	-8.58	-6.2892
Sauder Inglenook Library Bookcases	649.73	-8.55	-6.0132
Eldon 100 Class Desk Accessories	12.13	-8.49	-6.6999
Acco Translucent Poly Ring Binders	11.23	-8.24	-6.7337
Cardinal Hold-It CD Pocket	4.79	-7.98	-1.6493
Cisco SPA5086	39.59	-7.26	-6.1834
Anker 3W 4-Port USB Wall Charger Travel Power Adapter for iPhone 5s 5c 5	167.95	-7.19	-6.0666
Wilson Jones Hanging Recycled Pressboard Data Binders	8.90	-6.53	-6.7337
Holmes Odor Grabber	51.91	-6.05	-6.1165
Global Leather and Oak Executive Chair, Black	421.37	-6.02	-6.0143
Avery Poly Binder Pockets	12.89	-5.72	-6.4438
Wilson Jones Custom Binder Spines & Labels	8.16	-5.71	-6.6998
Sauder Barrister Bookcases	388.70	-4.86	-6.0125
Avery Durable Slant Ring Binders	3.17	-4.75	-1.4984
Avery Durable Slant Ring Binders With Label Holder	6.27	-4.68	-6.7337
Eureka Disposable Bags for Sanitaire Vibra Groomer I Upright Vac	1.62	-4.47	-2.7593
Flamebird Leaf - Look Classic Collection Ring Binder	5.68	-3.79	-6.6673
Round Ring Binders	2.08	-3.43	-1.6498
Carina Double Wire Media Storage Towers in Natural & Black	387.72	-3.24	-6.8185
Global Value Mid-Back Manager's Chair, Gray	467.97	-3.04	-6.0775
Avery Hidden Tab Binders for Binding Systems	1.79	-3.04	-1.0983
Microsoft Natural Keyboard Elite	47.98	2.09	-6.0624
Wilson Jones Easy Flow II Sheet Lifters	2.16	2.52	-1.1667
Acoahide Poly Flexible Ring Binders	3.37	2.24	-6.6667
Computer Printout Index Tabs	1.34	2.15	-1.6045
Economy Binders	1.25	1.93	-1.5448
Avery Durable Slant Ring Binders, No Labels	2.39	1.83	-1.7657
Hon 61000 Series Interactive Training Tables	71.89	1.78	-6.0250
Staple remover	8.72	1.75	-6.2087
Wilson Jones Suede Grain Vinyl Binders	2.50	1.75	-6.7000
Wilson Jones Dublock D-Ring Binders	2.03	1.35	-6.6550
Perma STOR-ALL Hanging File Box, 13 1/8"W x 12 1/4"D x 10 1/2"H	33.49	1.26	-6.0376
Avery Binder Labels	1.17	0.86	-6.7350
GBC Standard Plastic Binding Systems Combs	35.40	0.71	-6.0201
Hoover Portapower Portable Vacuum	29.57	0.67	-6.0227
Pressboard Covers with Storage Hooks, 9 1/2" x 11", Light Blue	27.99	0.64	-6.0229
Cush Cases Heavy Duty Rugged Cover Case for Samsung Galaxy S5 - Purple	2.97	0.64	-6.2155
ACCOMIDE 3-Ring Binder, Blue, 1"	14.87	0.45	-6.0303
Acco Suede Grain Vinyl Round Ring Binder	5.56	0.44	-6.0791

161 rows in set (0.01 sec)

mysql> SELECT

```

--> category,
--> sub_category,
--> ROUND(SUM(sales),2) AS sales,
--> ROUND(SUM(profit),2) AS profit,
--> ROUND(SUM(profit)/SUM(sales),4) AS margin
-> FROM sales
-> GROUP BY category, sub_category
-> ORDER BY margin;
+-----+
| category | sub_category | sales | profit | margin |
+-----+
| Technology | Machines | 16543.21 | -3893.59 | -0.2354 |
| Furniture | Tables | 33284.37 | -5882.10 | -0.1771 |
| Furniture | Bookcases | 16318.58 | -704.73 | -0.0432 |
| Office Supplies | Supplies | 692.21 | -25.82 | -0.0373 |
| Office Supplies | Appliances | 12089.39 | -92.41 | -0.0077 |
| Office Supplies | Storage | 21820.96 | 1639.70 | 0.0751 |
| Furniture | Chairs | 41823.85 | 3672.86 | 0.0878 |
| Furniture | Furnishings | 12519.54 | 1487.81 | 0.1124 |
| Technology | Phones | 41913.53 | 5128.71 | 0.1222 |
| Office Supplies | Binders | 17669.58 | 2529.98 | 0.1468 |
| Office Supplies | A4 | 1669.10 | 943.33 | 0.2409 |
| Technology | Accessories | 16183.31 | 4618.49 | 0.2857 |
| Technology | Copiers | 24049.73 | 7984.94 | 0.3273 |
| Office Supplies | Folders | 1200.42 | 105.26 | 0.3725 |
| Office Supplies | Envelopes | 2659.63 | 1151.32 | 0.4329 |
| Office Supplies | Paper | 8747.46 | 3792.15 | 0.4335 |
| Office Supplies | Labels | 1684.86 | 777.47 | 0.4617 |
+-----+
17 rows in set (0.00 sec)

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```

mysql> SELECT
--> region,
--> ROUND(SUM(sales),2) AS sales,
--> ROUND(SUM(profit),2) AS profit,
--> ROUND(SUM(profit)/SUM(sales),4) AS margin
-> FROM sales
-> GROUP BY region
-> ORDER BY sales DESC;
+-----+
| region | sales | profit | margin |
+-----+
| West | 76268.48 | 11678.52 | 0.1531 |
| Central | 74452.94 | 3928.79 | 0.0528 |
| East | 64320.85 | 6092.38 | 0.0947 |
| South | 58130.65 | 1508.77 | 0.0260 |
+-----+
4 rows in set (0.00 sec)

```

```

mysql> SELECT
--> discount_band,
--> ROUND(SUM(sales),2) AS sales,
--> ROUND(SUM(profit),2) AS profit,
--> ROUND(SUM(profit)/SUM(sales),4) AS margin
-> FROM sales
-> GROUP BY discount_band
-> ORDER BY discount_band;
+-----+
| discount_band | sales | profit | margin |
+-----+
| >20% | 54403.30 | -21933.26 | -0.4032 |
| 0-10% | 7200.88 | 1240.32 | 0.1722 |
| 0% | 109118.07 | 38291.59 | 0.2776 |
| 10-20% | 102450.67 | 13669.81 | 0.1328 |
+-----+
4 rows in set (0.00 sec)

```

```

mysql> SELECT
--> product_name,
--> SUM(sales) AS sales,
--> SUM(profit) AS profit
-> FROM sales
-> GROUP BY product_name
-> HAVING SUM(sales) > (
-->     SELECT AVG(sales) FROM sales
--> )
-> AND SUM(profit) < 0;
+-----+
| product_name | sales | profit |
+-----+
| Bretford CR4500 Series Slim Rectangular Table | 2002.21 | -142.77 |
| Riverside Palais Royal Lawyers Bookcase, Royale Cherry Finish | 3083.43 | -1665.85 |
| Eldon Base for stackable storage shelf, platinum | 280.37 | -15.58 |
| Global Value Mid-Back Manager's Chair, Gray | 487.97 | -3.84 |
| High-Back Leather Manager's Chair | 1195.92 | -223.59 |
| Safco Industrial Wire Shelving | 1132.69 | -77.74 |
| Novimex Swivel Fabric Task Chair | 985.89 | -34.72 |
| Logitech K350 2.4GHz Wireless Keyboard | 238.90 | -26.88 |
| Bevis 44 x 96 Conference Tables | 617.70 | -407.68 |
| Padded Folding Chairs, Black, 4/Carton | 396.80 | -11.34 |
| BoxOffice By Design Rectangular and Half-Moon Meeting Room Tables | 984.38 | -728.44 |
| Global Low Back Tilter Chair | 302.94 | -76.74 |
| Bush Advantage Collection Round Conference Table | 977.96 | -197.72 |
| GBC VeloBind Electric Binding Machine | 254.06 | -169.37 |
| Astra 57i VoIP phone | 290.90 | -67.88 |
| Sauder Barrister Bookcases | 388.70 | -4.86 |
| Office Impressions End Table, 20-1/2"H x 24"W x 20"D | 1488.42 | -297.68 |
| Hon Practical Foundations 30 x 60 Training Table, Light Gray/Charcoal | 375.46 | -157.81 |
| Lexmark MarkNet N8150 Wireless Print Server | 482.34 | -337.64 |
| GBC ProClick 150 Presentation Binding System | 442.37 | -562.44 |
| Global Deluxe Steno Chair | 685.12 | -68.51 |
| Chromcraft Rectangular Conference Tables | 1279.63 | -341.24 |
| Hon 4700 Series Mobiis Mid-Back Task Chairs with Adjustable Arms | 747.56 | -96.11 |
| Eldon ClusterMat Chair Mat with Cordless Antistatic Protection | 254.74 | -312.86 |
| SAFCO Boltless Steel Shelving | 1340.96 | -234.89 |
| Balt Solid Wood Rectangular Table | 400.86 | -73.84 |
| Fellowes Officeware Wire Shelving | 646.78 | -145.52 |
| Global Troy Executive Leather Low-Back Tilter | 701.37 | -50.10 |
| Cubify CubeX 3D Printer Triple Head Print | 7999.98 | -3839.99 |
| Laminite Occasional Tables | 369.91 | -13.87 |
| Chromcraft Bull-Nose Wood Oval Conference Tables & Bases | 5958.58 | -1630.98 |
| Carina Double Wide Media Storage Towers in Natural & Black | 307.72 | -3.24 |
| KI Conference Tables | 567.12 | -28.36 |
| GBC Ibimaster 500 Manual ProClick Binding System | 1141.47 | -760.98 |
| Lesro Sheffield Collection Coffee Table, End Table, Center Table, Corner Table | 271.21 | -24.98 |
| Bevin Boat-Shaped Conference Table | 786.34 | -408.98 |
| Deflect-O RollMat Studded, Beveled Mat for Medium Pile Carpeting | 848.52 | -361.54 |
| Global Stack Chair without Arms, Black | 254.60 | -18.19 |
| Chromcraft Round Conference Tables | 1080.60 | -296.29 |
| SAFCO Commercial Wire Shelving, 72h | 526.06 | -24.58 |
| Fellowes Bankers Box Stor/Drawer, Steel Plus | 422.14 | -7.59 |
| SAFCO Commercial Wire Shelving, Black | 773.58 | -55.26 |
| Ring OP-70270 Unifit IP Conference Station Phone | 605.70 | -27.83 |
| Global High-Back Leather Tilter, Burgundy | 1426.69 | -324.10 |
| Belkin 10" Vented Equipment Shelf, Black | 288.29 | -68.46 |
| Sauder Inglenook Library Bookcases | 649.73 | -8.55 |
| Bush Advantage Collection Racetrack Conference Table | 1988.94 | -526.02 |
| O'Sullivan Manor Hill 2-Door Library in Brianna Oak | 387.67 | -14.48 |
| SAFCO PlanMaster Height-Adjustable Drafting Table Base, 43w x 30d x 30-37h, Black | 1048.35 | -69.89 |
| Apple iPhone 5 | 779.88 | -168.96 |
| Sauder Forest Hills Library with Doors, Woodland Oak Finish | 257.57 | -28.98 |
| Ibico Hi-Tech Manual Binding System | 1086.46 | -533.23 |
| Office Star - Ergonomically Designed Knee Chair | 259.14 | -25.91 |
| Texex Antistatic Computer Chair Mats | 547.14 | -68.39 |
| O'Sullivan Plantation 2-Door Library in Landvery Oak | 956.66 | -225.18 |
| Hon Olson Stacker Stools | 492.84 | -14.88 |
| Hon 2090 iPillow Softi Series Mid Back Swivel/Tilt Chairs | 1348.70 | -219.16 |
| Hewlett-Packard Deskjet 6540 Color Inkjet Printer | 821.30 | -16.43 |
| Bretford iJust In Time Height-Adjustable Multi-Task Work Tables | 2083.52 | -325.57 |
| Chromcraft 48" x 96" Racetrack Double Pedestal Table | 1282.56 | -718.24 |
| Compact Automatic Electric Letter Opener | 286.34 | -64.43 |
| Bevin Round Conference Table Top & Single Column Base | 453.66 | -8.78 |
| Office Star - Contemporary Task Swivel chair with Loop Arms, Charcoal | 419.14 | -57.63 |
| Hoover Upright Vacuum With Dirt Cup | 463.25 | -1181.28 |
| LG Exalt | 200.78 | -60.84 |
| SAFCO PlanMaster Boards, 60w x 37-1/2d, White Melamine | 455.97 | -218.87 |
+-----+

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| Global Leather and Oak Executive Chair, Black          |  421.37 |   -6.02 |
| Hon 2111 Invitation Series Straight Table           |  517.41 |  -81.31 |
| Hon Comfotask Task/Swivel Chairs                   |  239.36 |  -47.87 |
+-----+
69 rows in set (0.01 sec)
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mysql>
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