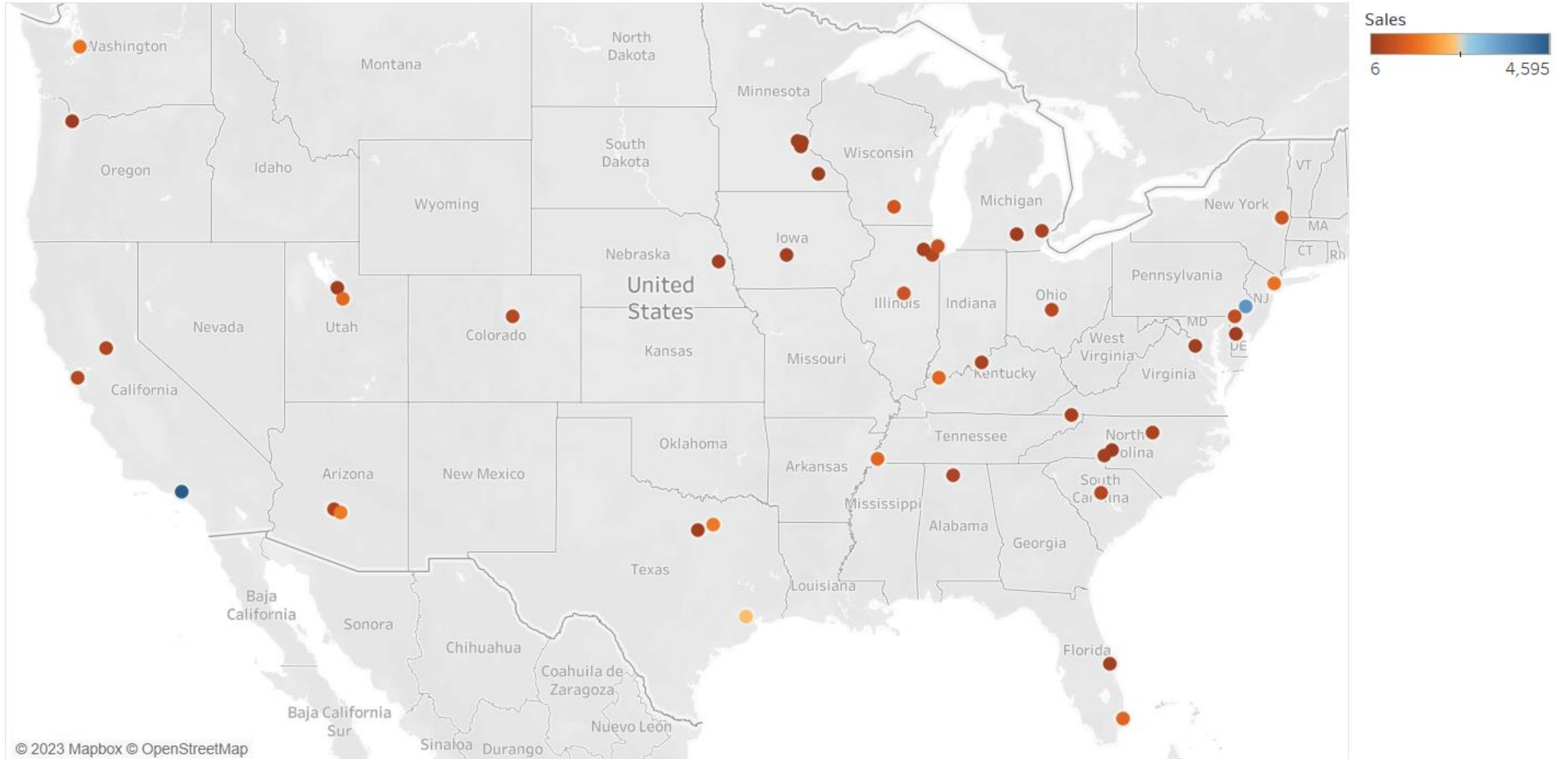# Digital Assignment 2

Name – Adarsh Nehra

Reg. No. – 20BME0471

Data Analytics

# Filters



**Sales**

6 — 4,595

Map based on Longitude (generated) and Latitude (generated). Color shows sum of Sales. Details are shown for State and City.

# Text Tables

State / City / Postal Code

Region: Central, East, South, West

| Sub-Catego.. | Alabama Decatur 35601 | Arizona Gilbert 85234 | Arizona Phoenix 85023 | California 90004 | California Los Angeles 90032 | California 90036 | California 90049 | California Roseville 95661 | California San Francisco 94109 | California 94122 | Colorado Aurora 80013 | Delaware Dover 19901 | Delaware Wilmin.. 19805 | Florida Fort Lauderdale 33311 | Florida Melbou.. 32935 | Illinois Bloomi.. 61701 | Illinois Chicago 60610 | Illinois 60623 | Illinois Napervi.. 60540 | Illinois Orland Park 60462 | Indiana New Albany 47150 | Iowa Urband.. 50322 | Kentucky Hender.. 42420 | Michigan Jackson 49201 | Michigan Westla.. 48185 | Minnesota Eagan 55122 | Minnesota Minnea.. 55407 | Minnesota Roches.. 55901 | Minnesota Saint Paul 55106 | Nebras.. Fremont 68025 | New York New York City 10009 | New York 10024 | New York 10035 | New York Troy 12180 | North Carolina Charlot.. 28205 | North Carolina Concord 28027 | North Carolina Durham 27707 | Ohio Columb.. 43229 | Oregon Portland 97206 | Pennsyl.. Philade.. 19140 | South Carolina Columbia 29203 | Tennessee Bristol 37620 | Tennessee Memphis 38109 | Texas Fort Worth 76106 | Texas 77041 | Texas Houston 77070 | Texas 77095 | Texas Richard.. 75080 | Utah Orem 84057 | Utah West Jordan 84084 | Virginia Springfi.. 22153 | Washin.. Seattle 98103 | Wiscon.. Madison 53711 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accessories | | | | 14 | | | 91 | | | | | | | | | | 96 | | | 340 | | | | | | 46 | | 20 | | | | | | 30 | 74 | | | | | | | | | | | | | | | | | | |
| Appliances | 208 | | | | 115 | | | | | | | | | | | | | | | | | | | | | | | | 78 | 60 | | | | | | | | | | | | | | | | | 69 | | | | | | |
| Art | | 1,113 | | | 7 | 20 | | 12 | 9 | 15 | | | | | | | | | | | | 76 | | | | | | | | 19 | | | | 2 | 3 | | | | | | | | | | | 102 | | | | | | | |
| Binders | 17 | | 2 | 26 | 19 | | 12 | 76 | 23 | 51 | | | 31 | | | | 2 | | | | 38 | 27 | 262 | | | 17 | 33 | | | | 5 | | | 48 | | | | | | 6 | 10 | 158 | | | 3 | 1 | | | | | | 408 | |
| Bookcases | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3,083 | | | | | | 532 | | | | | | | |
| Chairs | | | | | 81 | | | | | | | | | | | | 213 | | | | 90 | | 732 | | | | | | | | | | | 319 | | | | | | 71 | | | 302 | 832 | | 813 | | | | | | | |
| Envelopes | | | | | | | | | | | | | 115 | | | | | | | | | | | | | | | | | | | | | | | | 201 | 135 | | 3 | | | | | | 113 | | | | | | | |
| Fasteners | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | | 62 | | | | | | | | | | | | | |
| Furnishings | | | | 318 | 49 | | | 43 | | | 102 | | 47 | | | | | | | | 6 | | | | | | 53 | | | | 97 | | 42 | | | | | | | 207 | | | 97 | | | 19 | | 191 | | | | | |
| Labels | | | | | | 15 | | | | | | | | | | | | | | | 75 | | | | | | | | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper | | | | 147 | | 6 | | 55 | | | | | | | | | 65 | | | | | | | 19 | | | 13 | 24 | | | | | | 47 | | | 16 | 102 | | | | | | | | 29 | | | | | 76 | | |
| Phones | | 168 | | | 1,819 | 74 | | | 213 | | | 22 | 68 | | | | | | | | | | | 147 | | | | | | | | 1,030 | | | | 28 | | 60 | | | | | | | | 371 | | 1,098 | | | | | |
| Storage | | | 244 | | | | | 78 | | 21 | | | 227 | 22 | 96 | | | 230 | | | | | | | 212 | | | | | | | | | | | | | | | 209 | | | 73 | | | 27 | | 158 | | 56 | | | 666 |
| Supplies | | | | | | | | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tables | | | | | 1,706 | | | | | | | | | 958 | | 618 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1,045 | | | 788 | |

Sum of Sales broken down by State, City and Postal Code vs. Sub-Category.  Color shows details about Region.
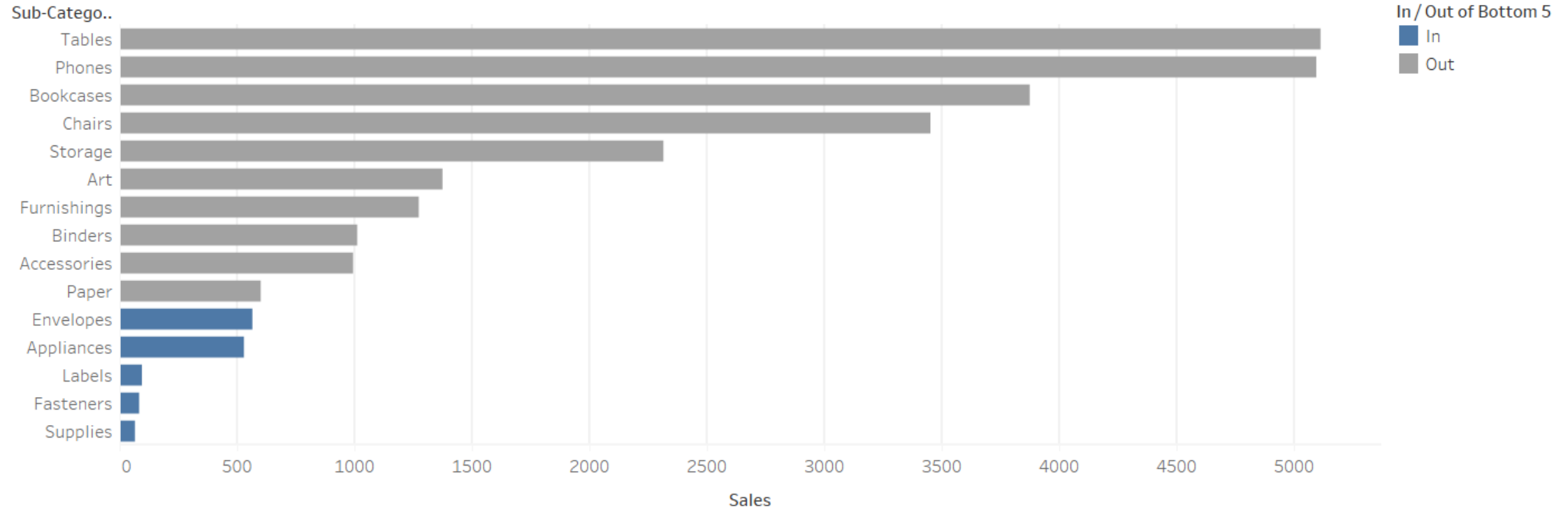
## Highlight Tables

| Category | Sub-Catego.. | |
| --- | --- | --- |
| Furniture | Bookcases | 3,878 |
| | Chairs | 3,454 |
| | Furnishings | 1,272 |
| | Tables | 5,114 |
| Office Supplies | Appliances | 530 |
| | Art | 1,378 |
| | Binders | 1,012 |
| | Envelopes | 568 |
| | Fasteners | 81 |
| | Labels | 96 |
| | Paper | 599 |
| | Storage | 2,318 |
| | Supplies | 66 |
| Technology | Accessories | 994 |
| | Phones | 5,097 |

Profit

-1,670          743

Sum of Sales broken down by Category and Sub-Category. Color shows sum of Profit.

# Hierarchy

Country / State / City
United States

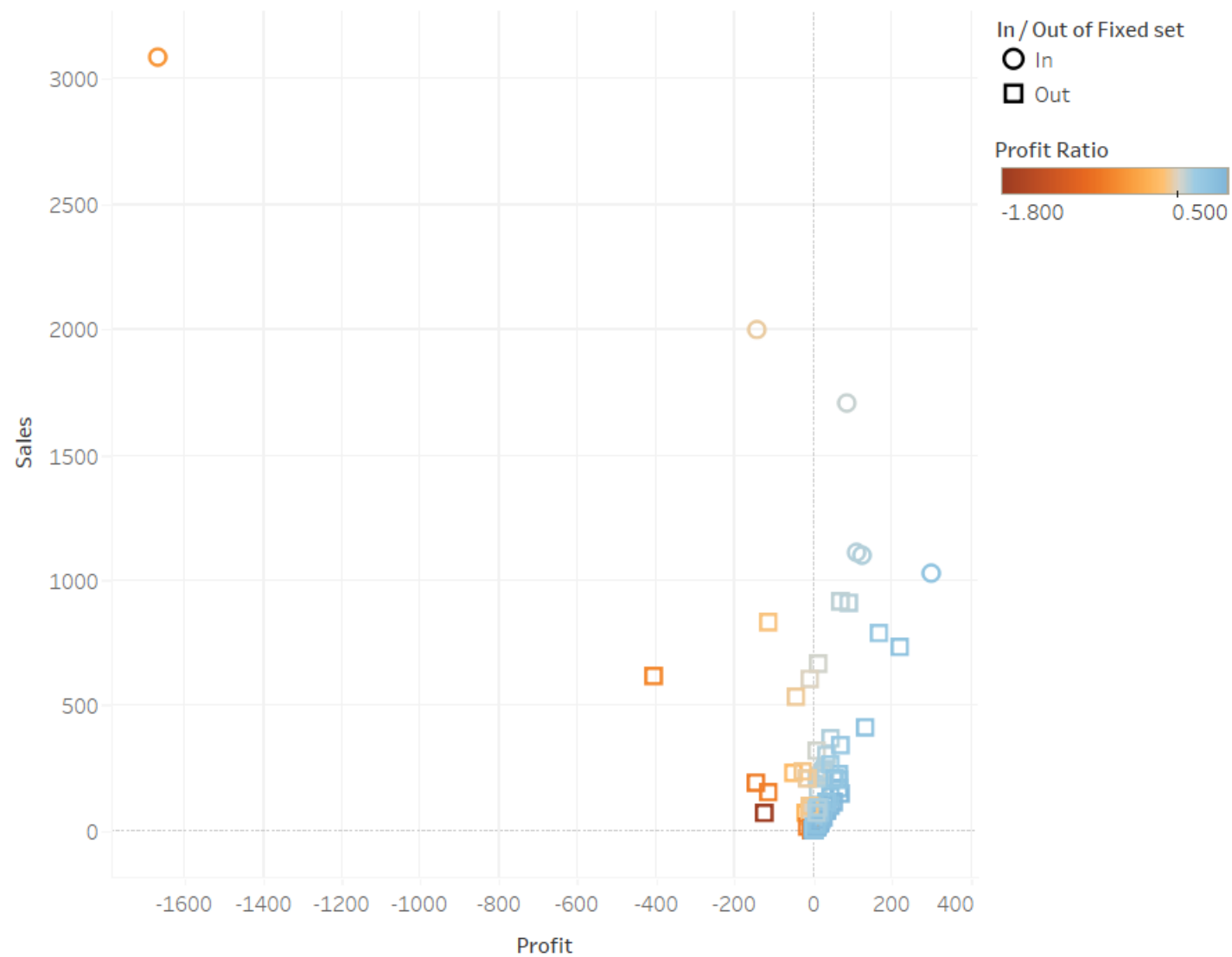| Sub-Catego.. | Alabama / Decatur | Arizona / Gilbert | Arizona / Phoenix | California / Los Angeles | California / Roseville | California / San Fran cisco | Colorado / Aurora | Delaware / Dover | Delaware / Wilmin.. | Florida / Fort Lau derdale | Florida / Melbou.. | Illinois / Bloomi.. | Illinois / Chicago | Illinois / Napervi.. | Illinois / Orland Park | Indiana / New Albany | Iowa / Urband.. | Kentucky / Hender.. | Michigan / Jackson | Michigan / Westla.. | Minnesota / Eagan | Minnesota / Minnea.. | Minnesota / Roches.. | Minnesota / Saint Paul | Nebras.. / Fremont | New York / New York City | New York / Troy | North Carolina / Charlot.. | North Carolina / Concord | North Carolina / Durham | Ohio / Columb.. | Oregon / Portland | Pennsyl.. / Philade.. | South Carolina / Columbia | Tennessee / Bristol | Tennessee / Memphis | Texas / Fort Worth | Texas / Houston | Texas / Richard.. | Utah / Orem | Utah / West Jordan | Virginia / Springfi.. | Washin.. / Seattle | Wiscon.. / Madison |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accessories | | | | 18 | | | -27 | 5 | | | | | -11 | | 68 | | | | | | 20 | | 7 | | | | 3 | 18 | | | | | | | | | | | | | | | | |
| Appliances | 56 | | | 34 | | | | | | | | | | | | | | | | | | | | 23 | 16 | | | | | | | | | | | | -124 | | | | | | | |
| Art | | 111 | | 9 | 3 | 7 | | | | | | | | | | | 23 | | | | | | | | 5 | | 1 | 1 | | | | | 13 | | | | | | | | | | | |
| Binders | 8 | | -2 | 19 | 27 | 25 | | | 14 | | | | -3 | | | 18 | 13 | | | | 8 | 16 | | | | 2 | 16 | | | | | -4 | -7 | | | -116 | -4 | -2 | | | | | 133 | |
| Bookcases | | | | | | | | | | | | | | | | | | | 42 | | | | | | | | | | | | | | -1,665 | | | | | -47 | | | | | | |
| Chairs | | | | -9 | | | | | | | | | -15 | | | | | 220 | | | | | | | | | 7 | | | | | | -1 | 33 | | -114 | | | | | | | -24 | |
| Envelopes | | | | | | | | | 52 | | | | | | | | | | | | | | | | | | | | | 63 | 46 | | 1 | | | | | 35 | | | | | | |
| Fasteners | | | | | 2 | | | | | | | | | | | | | | | | | | | | | 6 | | | | | 22 | | | | | | | | | | | | | |
| Labels | | | | 7 | | | | | | | | | | | | | 35 | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | |
| Furnishings | | | | 63 | 21 | | -4 | | 18 | | | | | | | 3 | | | | | | 17 | | | | 51 | | | | | | | 26 | | | 1 | | -14 | -148 | | | | | |
| Paper | | | | 72 | 26 | | | | | | | | 23 | | | | | | 9 | | | 6 | 12 | | | | 23 | | 5 | | 37 | | | | | | | 10 | | | | 36 | | |
| Phones | | 63 | | 167 | | 16 | | 6 | 20 | | | | | 17 | | | | | | | | | | | | 299 | | | 2 | | -12 | | | | | | | 42 | 123 | | | | | |
| Storage | | | 30 | 4 | | 6 | | | 63 | 3 | 10 | | -49 | | | | | | | 8 | | | | | | 52 | | | | | | | | | | -18 | | 17 | | | 10 | | | 13 |
| Supplies | | | | | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tables | | | | 85 | | | | | | -383 | | -408 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 240 | | | 165 | |

Sum of Profit broken down by Country, State and City vs. Sub-Category.

# Sets



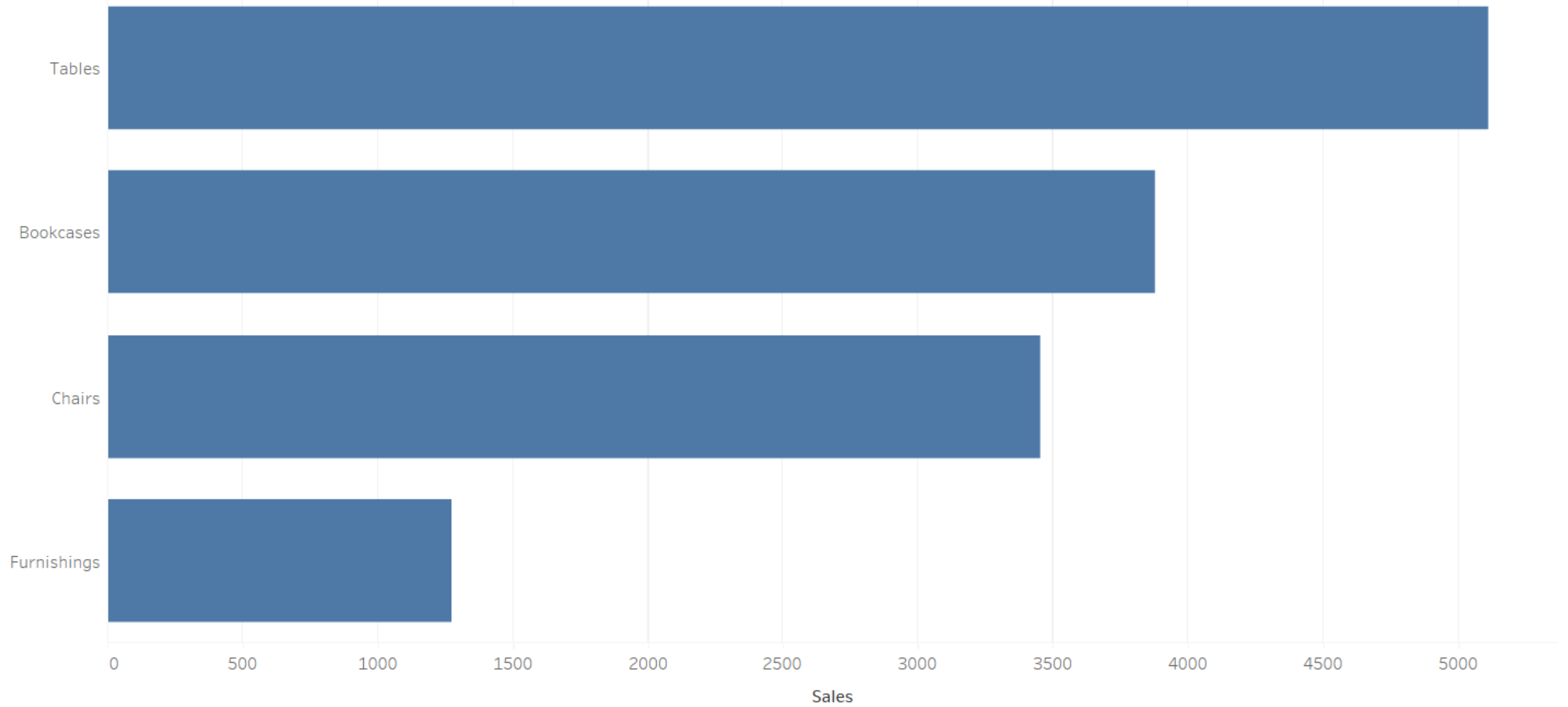Sum of Sales for each Sub-Category.  Color shows details about In / Out of Bottom 5.

# Using Filters(Sets)



**In / Out of Fixed set**

○ In

□ Out

**Profit Ratio**

-1.800          0.500

Sum of Profit vs. sum of Sales. Color shows Profit Ratio. Shape shows details about In / Out of Fixed set. Details are shown for Sub-Category and Product Name.

# Context Filter



Sub-Catego..

Tables

Bookcases

Chairs

Furnishings

Sales

Sum of Sales for each Sub-Category. The data is filtered on Category, which keeps Furniture. The view is filtered on Sub-Category, which excludes Appliances, Envelopes, Fasteners, Labels and Supplies.

# Dimension Filter

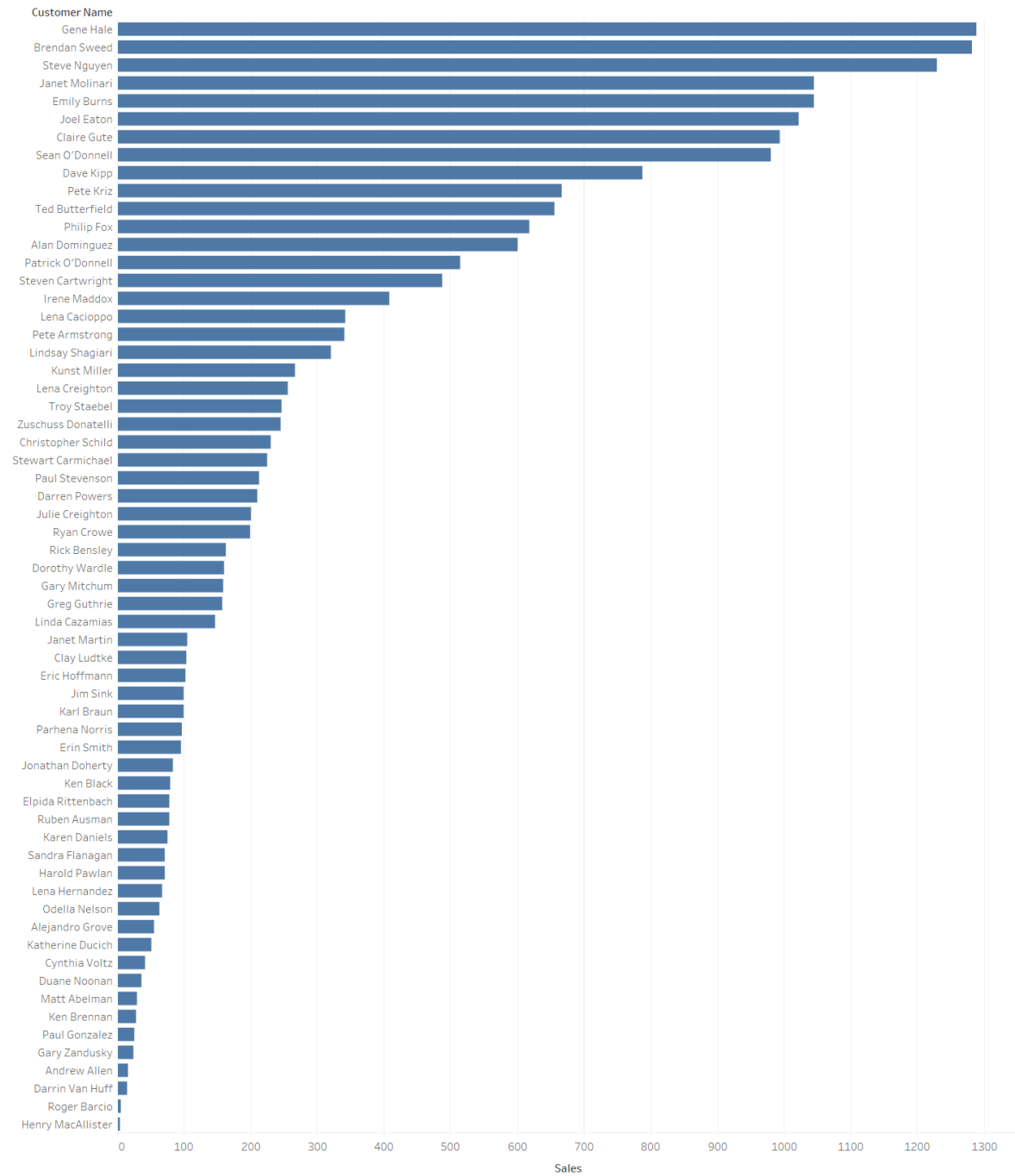| Customer Name | |
| --- | --- |
| Brendan Sweed | Arizona |
| Clay Ludtke | Iowa |
| Darren Powers | Indiana |
| Elpida Rittenbach | Minnesota |
| Eric Hoffmann | California |
| Gary Zandusky | Minnesota |
| Greg Guthrie | Tennessee |

State broken down by Customer Name. The view is filtered on Customer Name, which keeps 7 of 64 members.

# Measure Filter

**Customer Name**

| Customer Name | Sales |
|---|---|
| Gene Hale | |
| Brendan Sweed | |
| Steve Nguyen | |
| Janet Molinari | |
| Emily Burns | |
| Joel Eaton | |
| Claire Gute | |
| Sean O'Donnell | |
| Dave Kipp | |
| Pete Kriz | |
| Ted Butterfield | |
| Philip Fox | |
| Alan Dominguez | |
| Patrick O'Donnell | |
| Steven Cartwright | |
| Irene Maddox | |
| Lena Cacioppo | |
| Pete Armstrong | |
| Lindsay Shagiari | |
| Kunst Miller | |
| Lena Creighton | |
| Troy Staebel | |
| Zuschuss Donatelli | |
| Christopher Schild | |
| Stewart Carmichael | |
| Paul Stevenson | |
| Darren Powers | |
| Julie Creighton | |
| Ryan Crowe | |
| Rick Bensley | |
| Dorothy Wardle | |
| Gary Mitchum | |
| Greg Guthrie | |
| Linda Cazamias | |
| Janet Martin | |
| Clay Ludtke | |
| Eric Hoffmann | |
| Jim Sink | |
| Karl Braun | |
| Parhena Norris | |
| Erin Smith | |
| Jonathan Doherty | |
| Ken Black | |
| Elpida Rittenbach | |
| Ruben Ausman | |
| Karen Daniels | |
| Sandra Flanagan | |
| Harold Pawlan | |
| Lena Hernandez | |
| Odella Nelson | |
| Alejandro Grove | |
| Katherine Ducich | |
| Cynthia Voltz | |
| Duane Noonan | |
| Matt Abelman | |
| Ken Brennan | |
| Paul Gonzalez | |
| Gary Zandusky | |
| Andrew Allen | |
| Darrin Van Huff | |
| Roger Barcio | |
| Henry MacAllister | |

Sales: 0, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300

Sum of Sales for each Customer Name. The view is filtered on sum of Sales, which ranges from 5 to 2,000.