**Name :** Bandamaneni Yaswitha Lakshmi
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**Email :** yaswitha.21bce7124@vitapstudent.ac.in
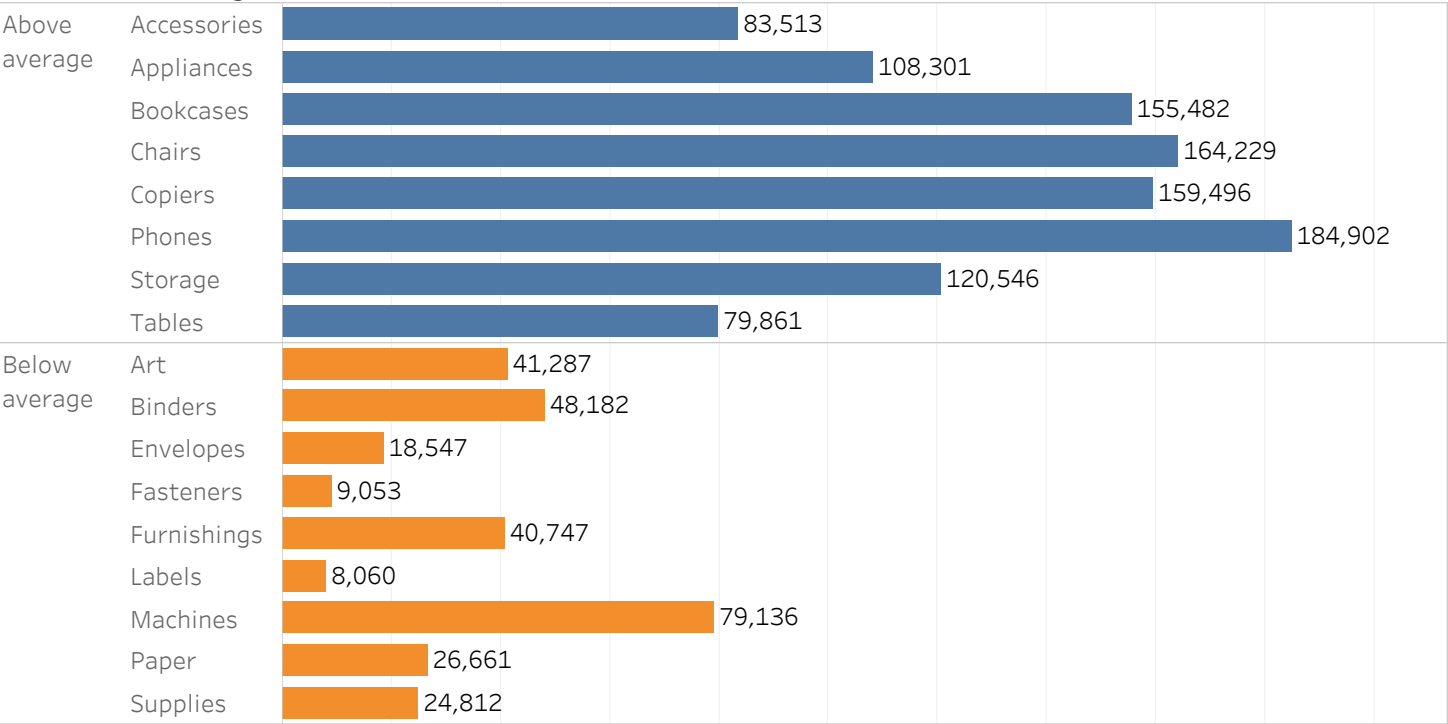**Subject :** Data Analytics with IBM cognos Analytics
**Campus :** VIT AP - Amaravati

# Assignment-4

**Challenge :** Create basic calculations and LOD expressions in tableau for global-superstore.

# BasicCalc1

| Above or .. | Sub-Catego.. | Shipping Cost |
|---|---|---|
| Above average | Accessories | 83,513 |
| | Appliances | 108,301 |
| | Bookcases | 155,482 |
| | Chairs | 164,229 |
| | Copiers | 159,496 |
| | Phones | 184,902 |
| | Storage | 120,546 |
| | Tables | 79,861 |
| Below average | Art | 41,287 |
| | Binders | 48,182 |
| | Envelopes | 18,547 |
| | Fasteners | 9,053 |
| | Furnishings | 40,747 |
| | Labels | 8,060 |
| | Machines | 79,136 |
| | Paper | 26,661 |
| | Supplies | 24,812 |

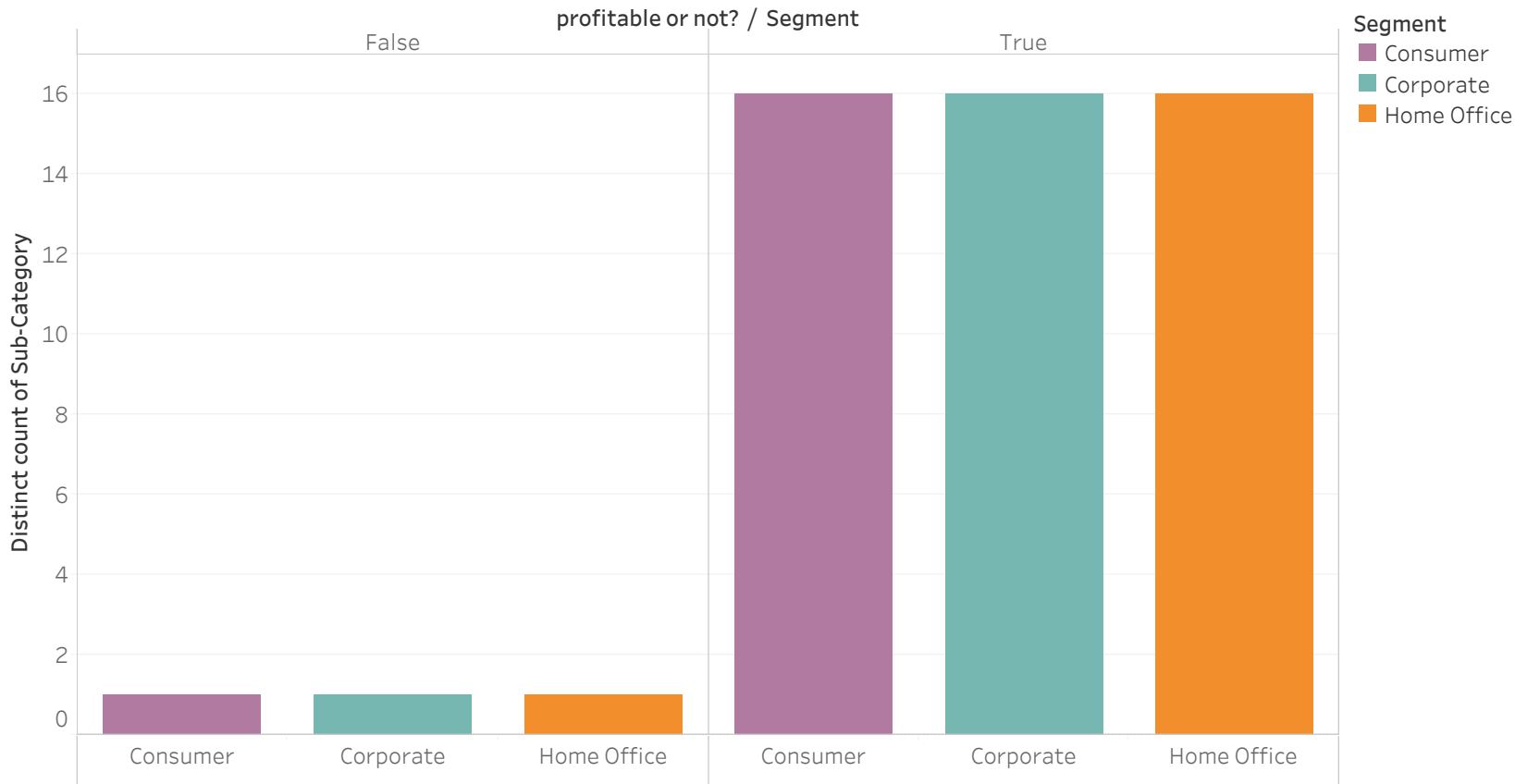Sum of Shipping Cost for each Above or below average? broken down by Sub-Category. Color shows details about Above or below average?.

# BasicCalc2

| Category | Sub-Catego.. | Order Date 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|
| Furniture | Bookcases | 27,519 | 28,137 | 43,049 | 63,219 |
| | Chairs | 29,943 | 28,755 | 40,449 | 41,248 |
| | Furnishings | 7,310 | 9,662 | 14,605 | 15,391 |
| | Tables | -11,075 | -8,422 | -14,040 | -30,546 |
| Office Supplies | Appliances | 22,838 | 24,316 | 41,486 | 53,041 |
| | Art | 10,399 | 11,841 | 15,630 | 20,084 |
| | Binders | 11,447 | 17,123 | 21,524 | 22,356 |
| | Envelopes | 5,066 | 6,603 | 9,572 | 8,360 |
| | Fasteners | 1,937 | 3,004 | 2,912 | 3,672 |
| | Labels | 3,119 | 3,230 | 3,607 | 5,055 |
| | Paper | 10,665 | 10,687 | 16,880 | 20,976 |
| | Storage | 15,944 | 21,489 | 32,011 | 39,017 |
| | Supplies | 4,580 | 5,012 | 5,625 | 7,365 |
| Technology | Accessories | 15,720 | 33,507 | 38,805 | 41,594 |
| | Copiers | 30,375 | 51,843 | 72,301 | 104,049 |
| | Machines | 9,225 | 15,404 | 15,612 | 18,628 |
| | Phones | 53,927 | 45,223 | 46,909 | 70,658 |

**profit or loss**
- not profitable
- profitable
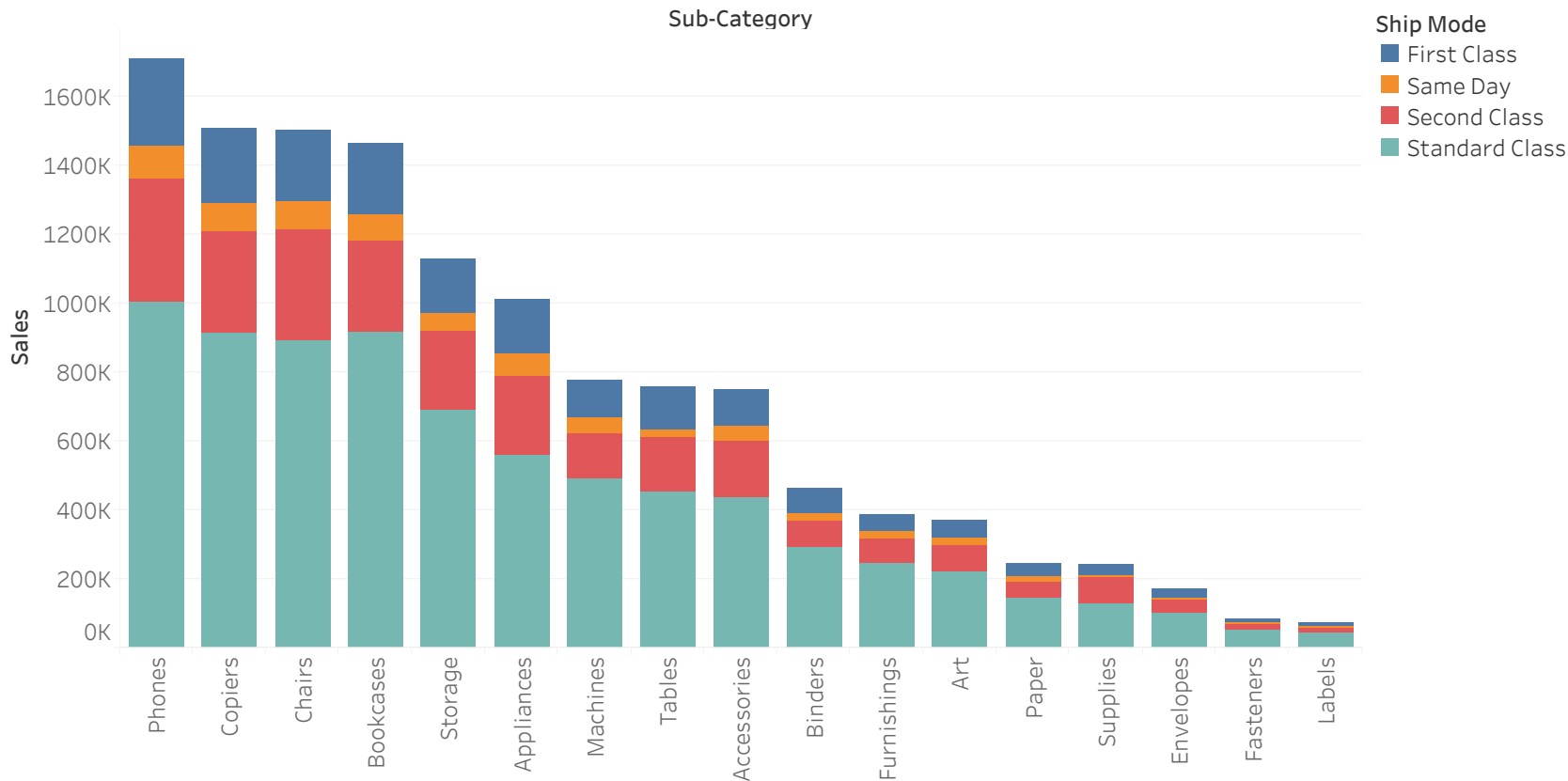
Sum of Profit broken down by Order Date Year vs. Category and Sub-Category.  Color shows details about profit or loss.

# Fixed1

## profitable or not? / Segment
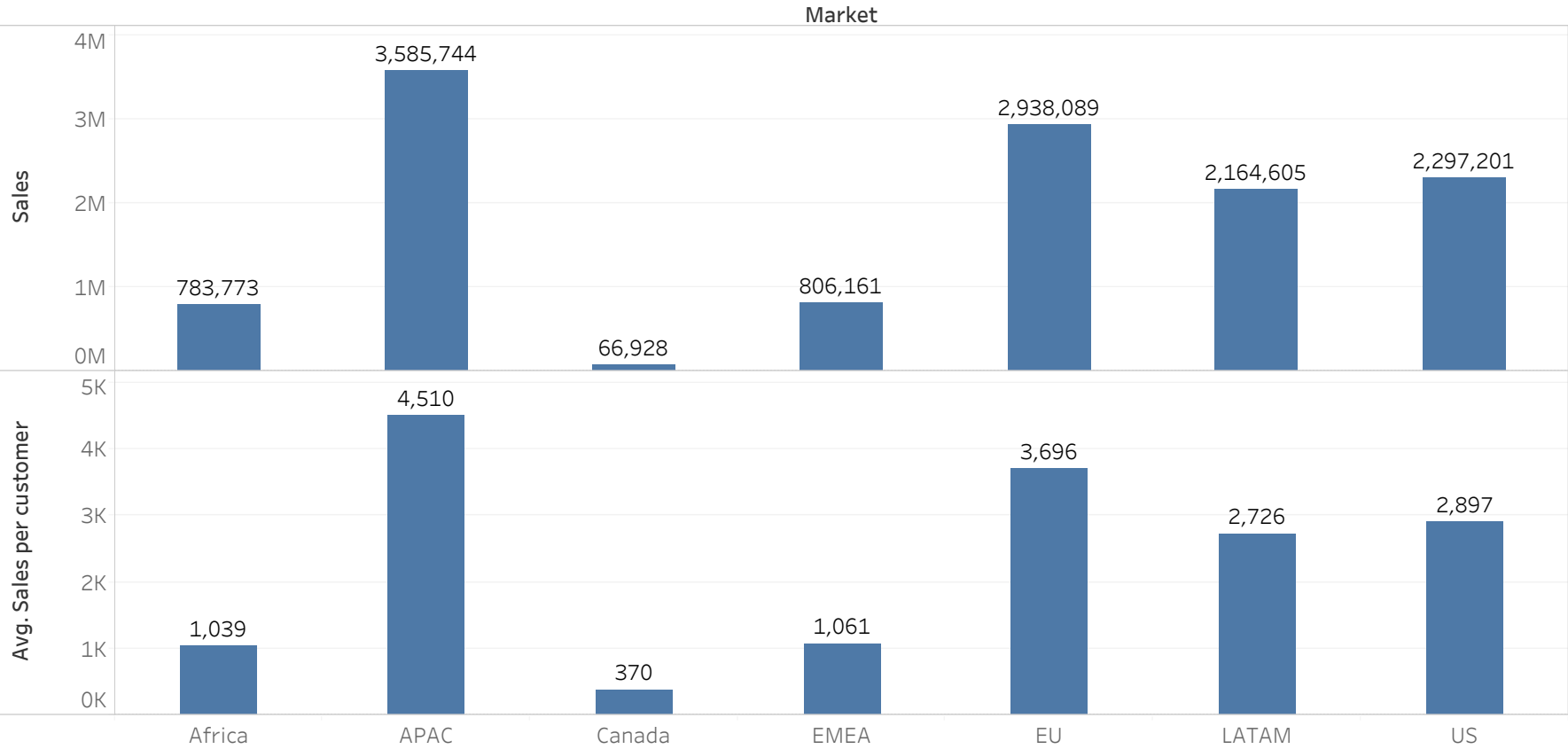


Distinct count of Sub-Category for each Segment broken down by profitable or not?.  Color shows details about Segment.

**Segment**
- Consumer
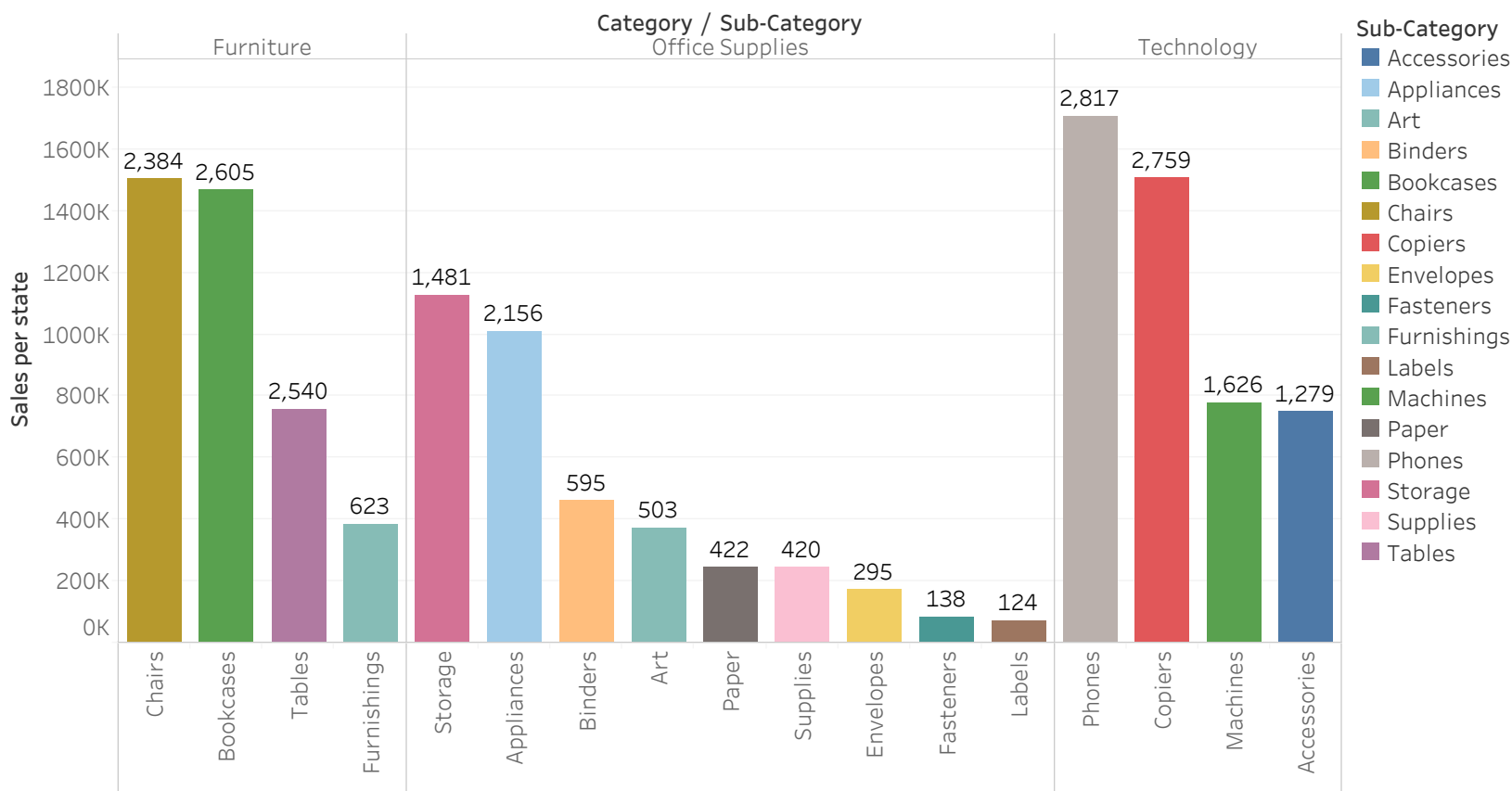- Corporate
- Home Office

# Fixed2



Sum of Sales for each Sub-Category.  Color shows details about Ship Mode.  Details are shown for Category.
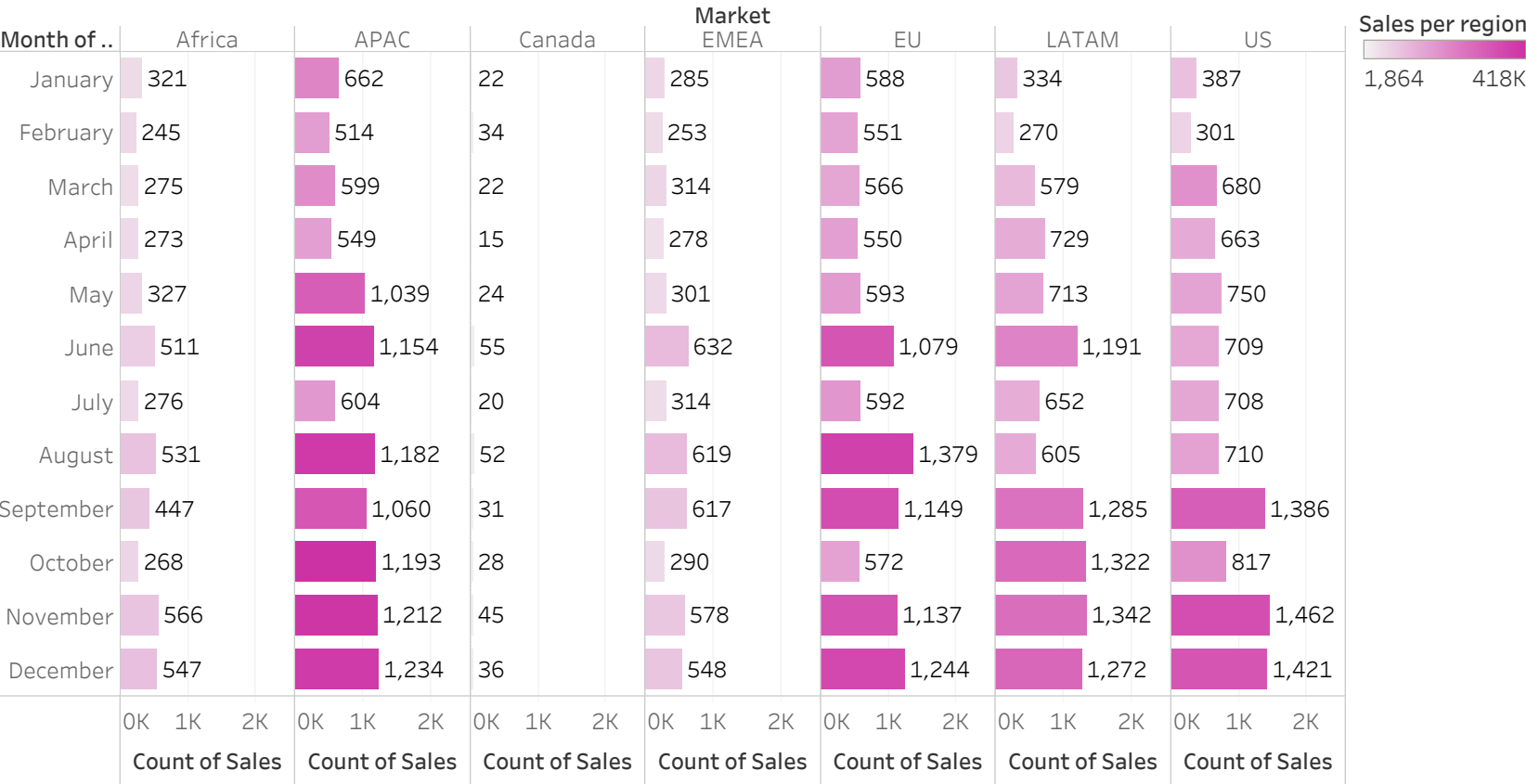
# Include1



Sum of Sales and average of Sales per customer for each Market.

# Include2



Sum of Sales per state for each Sub-Category broken down by Category. Color shows details about Sub-Category. The marks are labeled by average of Sales per state.

# Exclude1

**Market**

| Month of .. | Africa | APAC | Canada | EMEA | EU | LATAM | US |
|---|---|---|---|---|---|---|---|
| January | 321 | 662 | 22 | 285 | 588 | 334 | 387 |
| February | 245 | 514 | 34 | 253 | 551 | 270 | 301 |
| March | 275 | 599 | 22 | 314 | 566 | 579 | 680 |
| April | 273 | 549 | 15 | 278 | 550 | 729 | 663 |
| May | 327 | 1,039 | 24 | 301 | 593 | 713 | 750 |
| June | 511 | 1,154 | 55 | 632 | 1,079 | 1,191 | 709 |
| July | 276 | 604 | 20 | 314 | 592 | 652 | 708 |
| August | 531 | 1,182 | 52 | 619 | 1,379 | 605 | 710 |
| September | 447 | 1,060 | 31 | 617 | 1,149 | 1,285 | 1,386 |
| October | 268 | 1,193 | 28 | 290 | 572 | 1,322 | 817 |
| November | 566 | 1,212 | 45 | 578 | 1,137 | 1,342 | 1,462 |
| December | 547 | 1,234 | 36 | 548 | 1,244 | 1,272 | 1,421 |

Count of Sales   Count of Sales   Count of Sales   Count of Sales   Count of Sales   Count of Sales   Count of Sales

**Sales per region**

1,864   418K

Count of Sales for each Order Date Month broken down by Market. Color shows Sales per region as an attribute.