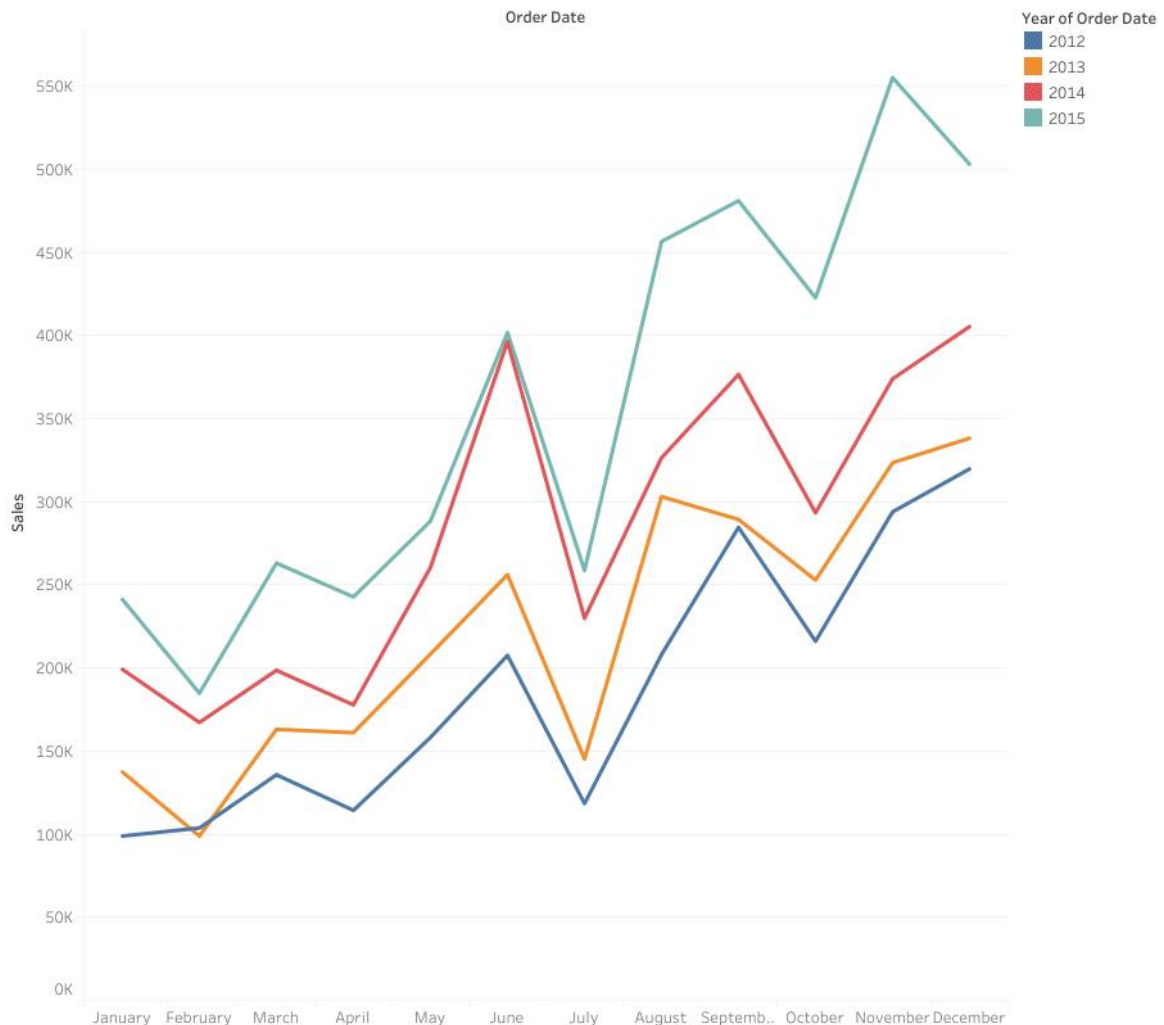


Nama : Fadhli Jahfal Aufa Maulana
NRP : 2C2230008
Summary Praktikum Visualisasi Data Pertemuan 2

Interpretasi Visualisasi Data 1

Trend Penjualan



Summary: Data diatas menunjukkan bahwa, selama rentang 2012 – 2015 trend penjualan mengalami kenaikan. Trend penjualan di tahun 2012, penjualan naik dari 100k – 300k+. Trend penjualan di tahun 2013, penjualan naik dari 100k+ - 300k+. Trend penjualan di tahun 2014, penjualan naik dari 200k – 400k. Trend penjualan di tahun 2015, penjualan naik dari 200k+ - 500k. Penjualan tertinggi ada pada tahun 2015. Secara keseluruhan seluruh penjualan mengalami trend kenaikan.

Interpretasi Visualisasi Data 2

Crosstab

| Year of Ord.. | | Order Date | | | | | | | | | | | |
|---------------|-----------------------------|------------|----------|---------|---------|---------|---------|---------|---------|----------|---------|---------|----------|
| | | January | February | March | April | May | June | July | August | Septem.. | October | Novem.. | Decemb.. |
| 2012 | % Difference in Sales fro.. | | | | | | | | | | | | |
| | Sales | 98,898 | 103,718 | 135,746 | 114,333 | 158,228 | 207,572 | 118,435 | 208,063 | 284,588 | 216,115 | 293,947 | 319,807 |
| 2013 | % Difference in Sales fro.. | 38.97% | -4.69% | 20.13% | 40.86% | 31.69% | 23.42% | 22.63% | 45.70% | 1.69% | 17.04% | 10.06% | 5.77% |
| | Sales | 137,436 | 98,855 | 163,077 | 161,052 | 208,365 | 256,176 | 145,237 | 303,143 | 289,389 | 252,940 | 323,512 | 338,257 |
| 2014 | % Difference in Sales fro.. | 44.93% | 69.18% | 21.78% | 10.41% | 25.02% | 54.78% | 58.31% | 7.70% | 30.14% | 16.00% | 15.60% | 19.87% |
| | Sales | 199,186 | 167,240 | 198,594 | 177,821 | 260,499 | 396,520 | 229,929 | 326,489 | 376,619 | 293,407 | 373,989 | 405,454 |
| 2015 | % Difference in Sales fro.. | 21.13% | 10.52% | 32.48% | 36.53% | 10.71% | 1.34% | 12.52% | 39.86% | 27.76% | 44.09% | 48.47% | 24.09% |
| | Sales | 241,269 | 184,837 | 263,101 | 242,772 | 288,401 | 401,814 | 258,706 | 456,620 | 481,157 | 422,767 | 555,279 | 503,144 |

Summary: Data diatas menggambarkan data tabel dengan data yang sama seperti grafik penjualan sebelumnya.

Interpretasi Visualisasi Data 3

Mengurutkan Category Terendah - Tertinggi Berdasar Warna

| | | Order Date | | | | | | | | Profit | |
|--------------|-----------------|---------------|---------|---------------|---------|---------------|---------|---------------|---------|--------|--------------|
| | | 2012 | | 2013 | | 2014 | | 2015 | | | |
| Month of O.. | Category | Count of Or.. | Sales | Count of Or.. | Sales | Count of Or.. | Sales | Count of Or.. | Sales | | |
| January | Furniture | 80 | 34,464 | 105 | 42,761 | 143 | 81,805 | 163 | 69,799 | | -1,81131,298 |
| | Office Supplies | 286 | 33,527 | 326 | 47,264 | 440 | 64,984 | 564 | 76,654 | | |
| | Technology | 67 | 30,908 | 120 | 47,411 | 126 | 52,398 | 191 | 94,815 | | |
| February | Furniture | 81 | 35,799 | 77 | 37,635 | 130 | 59,118 | 136 | 57,703 | | |
| | Office Supplies | 250 | 26,135 | 250 | 24,297 | 366 | 51,553 | 453 | 55,184 | | |
| | Technology | 100 | 41,784 | 90 | 36,922 | 109 | 56,569 | 167 | 71,951 | | |
| March | Furniture | 92 | 40,277 | 118 | 55,082 | 160 | 65,323 | 204 | 89,705 | | |
| | Office Supplies | 316 | 31,579 | 406 | 53,721 | 454 | 62,008 | 667 | 77,576 | | |
| | Technology | 103 | 63,891 | 138 | 54,273 | 152 | 71,263 | 197 | 95,819 | | |
| April | Furniture | 101 | 30,690 | 121 | 54,702 | 142 | 54,587 | 205 | 70,551 | | |
| | Office Supplies | 338 | 45,563 | 388 | 43,886 | 485 | 55,766 | 648 | 81,372 | | |
| | Technology | 100 | 38,081 | 148 | 62,464 | 158 | 67,469 | 198 | 90,849 | | |
| May | Furniture | 120 | 49,769 | 144 | 62,939 | 196 | 74,371 | 253 | 98,312 | | |
| | Office Supplies | 347 | 49,731 | 533 | 61,063 | 662 | 74,756 | 810 | 97,975 | | |
| | Technology | 139 | 58,728 | 163 | 84,363 | 199 | 111,372 | 221 | 92,114 | | |
| June | Furniture | 184 | 76,585 | 208 | 81,481 | 286 | 115,251 | 319 | 136,123 | | |
| | Office Supplies | 521 | 61,793 | 709 | 75,846 | 926 | 111,489 | 1,102 | 120,340 | | |
| | Technology | 183 | 69,194 | 219 | 98,849 | 318 | 169,780 | 327 | 145,351 | | |
| July | Furniture | 89 | 31,383 | 135 | 41,491 | 181 | 71,854 | 213 | 82,344 | | |
| | Office Supplies | 319 | 42,807 | 409 | 46,346 | 549 | 70,291 | 661 | 76,971 | | |
| | Technology | 116 | 44,245 | 115 | 57,399 | 195 | 87,784 | 213 | 99,390 | | |
| August | Furniture | 155 | 68,000 | 194 | 84,644 | 243 | 112,296 | 281 | 126,284 | | |
| | Office Supplies | 543 | 58,390 | 668 | 97,260 | 930 | 93,150 | 1,044 | 155,431 | | |
| | Technology | 167 | 81,673 | 221 | 121,239 | 269 | 121,043 | 350 | 174,905 | | |
| September | Furniture | 209 | 93,934 | 225 | 96,166 | 341 | 127,701 | 402 | 175,777 | | |
| | Office Supplies | 658 | 99,987 | 755 | 78,844 | 1,033 | 110,762 | 1,211 | 134,387 | | |
| | Technology | 168 | 90,667 | 243 | 114,379 | 308 | 138,157 | 405 | 170,994 | | |
| October | Furniture | 170 | 79,094 | 181 | 84,824 | 257 | 89,319 | 326 | 130,701 | | |
| | Office Supplies | 508 | 55,700 | 588 | 59,383 | 627 | 77,393 | 973 | 115,771 | | |
| | Technology | 162 | 81,320 | 221 | 108,733 | 216 | 126,695 | 327 | 176,295 | | |
| November | Furniture | 214 | 96,558 | 313 | 120,279 | 302 | 122,803 | 407 | 168,849 | | |
| | Office Supplies | 670 | 88,080 | 878 | 100,020 | 973 | 110,736 | 1,296 | 163,851 | | |
| | Technology | 224 | 109,309 | 269 | 103,214 | 321 | 140,451 | 444 | 222,579 | | |
| December | Furniture | 264 | 119,531 | 221 | 96,817 | 337 | 143,203 | 432 | 171,768 | | |
| | Office Supplies | 693 | 82,424 | 800 | 107,244 | 950 | 127,926 | 1,306 | 150,279 | | |
| | Technology | 261 | 117,852 | 263 | 134,196 | 315 | 134,325 | 415 | 181,097 | | |

Summary: Data diatas menunjukkan bahwa semakin gelap warna hijau maka menunjukkan profit tertinggi, dan semakin pudar warna hijau nya menunjukkan profit terendah.

Interpretasi Visualisasi Data 4

Highlight Furniture

| | | Order Date | | | | | | | | Profit | |
|--------------|-----------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|---|--------|
| Month of O.. | Category | 2012 | | 2013 | | 2014 | | 2015 | | | |
| | | Count of .. | Sales | Count of .. | Sales | Count of .. | Sales | Count of .. | Sales | -1,811 | 31,298 |
| January | Furniture | 80 | 34,464 | 105 | 42,761 | 143 | 81,805 | 163 | 69,799 | 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Data diatas menunjukkan bahwa berdasarkan highlight furniture, penjualan tertinggi berada pada bulan Desember di tahun 2015, dan penjualan terendah berada pada bulan Februari di tahun 2013.

Interpretasi Visualisasi Data 5

Peta Profit Furniture



Data diatas menunjukkan bahwa, semakin mengarah ke orange maka profit akan semakin kecil, dan sebaliknya jika mengarah ke biru maka akan semakin besar profitnya. Oleh karena itu, berdasarkan highlight furniture, Peta profit Indonesia yang paling baik terdapat di provinsi Sulawesi Tengah, Yogyakarta. Dan yang paling buruk ada di Jakarta, Jawa Barat, Jawa Timur. Meskipun penjualannya tinggi, tapi terdapat profit yang tidak baik.

Interpretasi Visualisasi Data 6

Highlight Office Supplier

| | | Order Date | | | | | | | | Profit | |
|--------------|-----------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|--------|--------|
| Month of O.. | Category | 2012 | | 2013 | | 2014 | | 2015 | | | |
| | | Count of .. | Sales | Count of .. | Sales | Count of .. | Sales | Count of .. | Sales | -1,811 | 31,298 |
| January | Furniture | 80 | 34,464 | 105 | 42,761 | 143 | 81,805 | 163 | 69,799 | | |
| | Office Supplies | 286 | 33,527 | 326 | 47,264 | 440 | 64,984 | 564 | 76,654 | | |
| | Technology | 67 | 30,908 | 120 | 47,411 | 126 | 52,398 | 191 | 94,815 | | |
| February | Furniture | 81 | 35,799 | 77 | 37,635 | 130 | 59,118 | 136 | 57,703 | | |
| | Office Supplies | 250 | 26,135 | 250 | 24,297 | 366 | 51,553 | 453 | 55,184 | | |
| | Technology | 100 | 41,784 | 90 | 36,922 | 109 | 56,569 | 167 | 71,951 | | |
| March | Furniture | 92 | 40,277 | 118 | 55,082 | 160 | 65,323 | 204 | 89,705 | | |
| | Office Supplies | 316 | 31,579 | 406 | 53,721 | 454 | 62,008 | 667 | 77,576 | | |
| | Technology | 103 | 63,891 | 138 | 54,273 | 152 | 71,263 | 197 | 95,819 | | |
| April | Furniture | 101 | 30,690 | 121 | 54,702 | 142 | 54,587 | 205 | 70,551 | | |
| | Office Supplies | 338 | 45,563 | 388 | 43,886 | 485 | 55,766 | 648 | 81,372 | | |
| | Technology | 100 | 38,081 | 148 | 62,464 | 158 | 67,469 | 198 | 90,849 | | |
| May | Furniture | 120 | 49,769 | 144 | 62,939 | 196 | 74,371 | 253 | 98,312 | | |
| | Office Supplies | 347 | 49,731 | 533 | 61,063 | 662 | 74,756 | 810 | 97,975 | | |
| | Technology | 139 | 58,728 | 163 | 84,363 | 199 | 111,372 | 221 | 92,114 | | |
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| | Office Supplies | 521 | 61,793 | 709 | 75,846 | 926 | 111,489 | 1,102 | 120,340 | | |
| | Technology | 183 | 69,194 | 219 | 98,849 | 318 | 169,780 | 327 | 145,351 | | |
| July | Furniture | 89 | 31,383 | 135 | 41,491 | 181 | 71,854 | 213 | 82,344 | | |
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| | Technology | 116 | 44,245 | 115 | 57,399 | 195 | 87,784 | 213 | 99,390 | | |
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| | Technology | 167 | 81,673 | 221 | 121,239 | 269 | 121,043 | 350 | 174,905 | | |
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| | Office Supplies | 658 | 99,987 | 755 | 78,844 | 1,033 | 110,762 | 1,211 | 134,387 | | |
| | Technology | 168 | 90,667 | 243 | 114,379 | 308 | 138,157 | 405 | 170,994 | | |
| October | Furniture | 170 | 79,094 | 181 | 84,824 | 257 | 89,319 | 326 | 130,701 | | |
| | Office Supplies | 508 | 55,700 | 588 | 59,383 | 627 | 77,393 | 973 | 115,771 | | |
| | Technology | 162 | 81,320 | 221 | 108,733 | 216 | 126,695 | 327 | 176,295 | | |
| November | Furniture | 214 | 96,558 | 313 | 120,279 | 302 | 122,803 | 407 | 168,849 | | |
| | Office Supplies | 670 | 88,080 | 878 | 100,020 | 973 | 110,736 | 1,296 | 163,851 | | |
| | Technology | 224 | 109,309 | 269 | 103,214 | 321 | 140,451 | 444 | 222,579 | | |
| December | Furniture | 264 | 119,531 | 221 | 96,817 | 337 | 143,203 | 432 | 171,768 | | |
| | Office Supplies | 693 | 82,424 | 800 | 107,244 | 950 | 127,926 | 1,306 | 150,279 | | |
| | Technology | 261 | 117,852 | 263 | 134,196 | 315 | 134,325 | 415 | 181,097 | | |

Data diatas menunjukkan bahwa berdasarkan highlight Office Supplier, penjualan tertinggi berada pada bulan Desember di tahun 2015, dan penjualan terendah berada pada bulan Februari di tahun 2012-2013.

Interpretasi Visualisasi Data 7

Peta Profit Office Supplier



Data diatas menunjukkan bahwa, semakin mengarah ke orange maka profit akan semakin kecil, dan sebaliknya jika mengarah ke biru maka akan semakin besar profitnya. Oleh karena itu, berdasarkan highlight office supplier, Peta profit Indonesia yang paling buruk ada di Jawa Barat. Meskipun penjualannya tinggi, tapi terdapat profit yang tidak baik.

Interpretasi Visualisasi Data 8

Highlight Technology

| | | Order Date | | | | | | | | Profit | |
|--------------|-----------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|--------|--------|
| Month of O.. | Category | 2012 | | 2013 | | 2014 | | 2015 | | | |
| | | Count of .. | Sales | Count of .. | Sales | Count of .. | Sales | Count of .. | Sales | -1,811 | 31,298 |
| January | Furniture | 80 | 34,464 | 105 | 42,761 | 143 | 81,805 | 163 | 69,799 | | |
| | Office Supplies | 286 | 33,527 | 326 | 47,264 | 440 | 64,984 | 564 | 76,654 | | |
| | Technology | 67 | 30,908 | 120 | 47,411 | 126 | 52,398 | 191 | 94,815 | | |
| February | Furniture | 81 | 35,799 | 77 | 37,635 | 130 | 59,118 | 136 | 57,703 | | |
| | Office Supplies | 250 | 26,135 | 250 | 24,297 | 366 | 51,553 | 453 | 55,184 | | |
| | Technology | 100 | 41,784 | 90 | 36,922 | 109 | 56,569 | 167 | 71,951 | | |
| March | Furniture | 92 | 40,277 | 118 | 55,082 | 160 | 65,323 | 204 | 89,705 | | |
| | Office Supplies | 316 | 31,579 | 406 | 53,721 | 454 | 62,008 | 667 | 77,576 | | |
| | Technology | 103 | 63,891 | 138 | 54,273 | 152 | 71,263 | 197 | 95,819 | | |
| April | Furniture | 101 | 30,690 | 121 | 54,702 | 142 | 54,587 | 205 | 70,551 | | |
| | Office Supplies | 338 | 45,563 | 388 | 43,886 | 485 | 55,766 | 648 | 81,372 | | |
| | Technology | 100 | 38,081 | 148 | 62,464 | 158 | 67,469 | 198 | 90,849 | | |
| May | Furniture | 120 | 49,769 | 144 | 62,939 | 196 | 74,371 | 253 | 98,312 | | |
| | Office Supplies | 347 | 49,731 | 533 | 61,063 | 662 | 74,756 | 810 | 97,975 | | |
| | Technology | 139 | 58,728 | 163 | 84,363 | 199 | 111,372 | 221 | 92,114 | | |
| June | Furniture | 184 | 76,585 | 208 | 81,481 | 286 | 115,251 | 319 | 136,123 | | |
| | Office Supplies | 521 | 61,793 | 709 | 75,846 | 926 | 111,489 | 1,102 | 120,340 | | |
| | Technology | 183 | 69,194 | 219 | 98,849 | 318 | 169,780 | 327 | 145,351 | | |
| July | Furniture | 89 | 31,383 | 135 | 41,491 | 181 | 71,854 | 213 | 82,344 | | |
| | Office Supplies | 319 | 42,807 | 409 | 46,346 | 549 | 70,291 | 661 | 76,971 | | |
| | Technology | 116 | 44,245 | 115 | 57,399 | 195 | 87,784 | 213 | 99,390 | | |
| August | Furniture | 155 | 68,000 | 194 | 84,644 | 243 | 112,296 | 281 | 126,284 | | |
| | Office Supplies | 543 | 58,390 | 668 | 97,260 | 930 | 93,150 | 1,044 | 155,431 | | |
| | Technology | 167 | 81,673 | 221 | 121,239 | 269 | 121,043 | 350 | 174,905 | | |
| September | Furniture | 209 | 93,934 | 225 | 96,166 | 341 | 127,701 | 402 | 175,777 | | |
| | Office Supplies | 658 | 99,987 | 755 | 78,844 | 1,033 | 110,762 | 1,211 | 134,387 | | |
| | Technology | 168 | 90,667 | 243 | 114,379 | 308 | 138,157 | 405 | 170,994 | | |
| October | Furniture | 170 | 79,094 | 181 | 84,824 | 257 | 89,319 | 326 | 130,701 | | |
| | Office Supplies | 508 | 55,700 | 588 | 59,383 | 627 | 77,393 | 973 | 115,771 | | |
| | Technology | 162 | 81,320 | 221 | 108,733 | 216 | 126,695 | 327 | 176,295 | | |
| November | Furniture | 214 | 96,558 | 313 | 120,279 | 302 | 122,803 | 407 | 168,849 | | |
| | Office Supplies | 670 | 88,080 | 878 | 100,020 | 973 | 110,736 | 1,296 | 163,851 | | |
| | Technology | 224 | 109,309 | 269 | 103,214 | 321 | 140,451 | 444 | 222,579 | | |
| December | Furniture | 264 | 119,531 | 221 | 96,817 | 337 | 143,203 | 432 | 171,768 | | |
| | Office Supplies | 693 | 82,424 | 800 | 107,244 | 950 | 127,926 | 1,306 | 150,279 | | |
| | Technology | 261 | 117,852 | 263 | 134,196 | 315 | 134,325 | 415 | 181,097 | | |

Data diatas menunjukkan bahwa berdasarkan highlight Technology, penjualan tertinggi berada pada bulan November di tahun 2015, dan penjualan terendah berada pada bulan Januari di tahun 2012.

Interpretasi Visualisasi Data 9

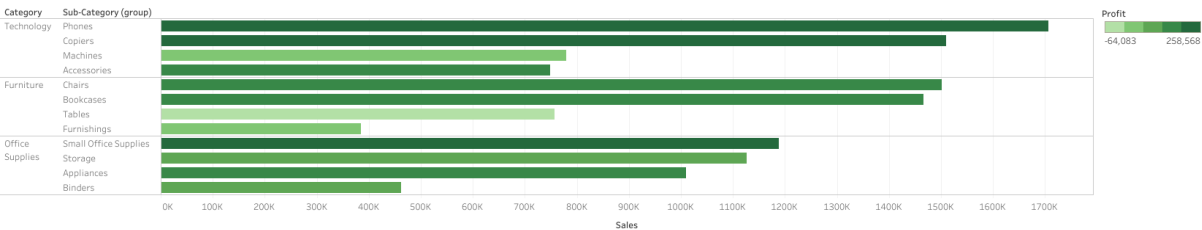
Peta Profit Technology



Data diatas menunjukkan bahwa, semakin mengarah ke orange maka profit akan semakin kecil, dan sebaliknya jika mengarah ke biru maka akan semakin besar profitnya. Oleh karena itu, berdasarkan highlight Technology, Peta profit Indonesia yang paling baik ada di Jakarta, Jawa Barat.

Interpretasi Visualisasi Data 10

Penjualan Sub-Category



Berdasarkan Category diatas, Pada Category Technology, penjualan tertinggi adalah Handphone, dan terendah adalah Accessories. Pada Category Furniture, penjualan tertinggi ada pada Chairs, dan terendah adalah Furnishing. Dan pada category Office Supplies. Penjualan tertinggi ada pada Small Office Supplies, dan terendah ada pada Binders. Semakin gelap warna maka penjualan semakin tinggi.