Assignment 1



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BUSI 3331: Business Analytics

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1. Use superstore excel file and create.

A pivot table to the sum of sales per region (column) per product-sub-category(row). Place as a title you name and id. Change the pivot table to display the number of sales (count)

Copy paste the pivot tables here

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Count of Sales** | **Column Labels** |  |  |  |  |
| **Row Labels** | **Central** | **East** | **South** | **West** | **Grand Total** |
| Appliances | 33 | 29 | 20 | 18 | 100 |
| Binders and Binder Accessories | 71 | 45 | 36 | 48 | 200 |
| Bookcases | 14 | 12 | 7 | 10 | 43 |
| Chairs & Chairmats | 32 | 21 | 23 | 16 | 92 |
| Computer Peripherals | 41 | 47 | 44 | 42 | 174 |
| Copiers and Fax | 6 | 6 | 2 | 4 | 18 |
| Envelopes | 13 | 18 | 14 | 10 | 55 |
| Labels | 20 | 13 | 23 | 15 | 71 |
| Office Furnishings | 61 | 45 | 41 | 38 | 185 |
| Office Machines | 30 | 18 | 18 | 29 | 95 |
| Paper | 88 | 68 | 60 | 68 | 284 |
| Pens & Art Supplies | 41 | 37 | 40 | 43 | 161 |
| Rubber Bands | 9 | 12 | 7 | 6 | 34 |
| Scissors, Rulers and Trimmers | 13 | 9 | 6 | 8 | 36 |
| Storage & Organization | 27 | 34 | 32 | 37 | 130 |
| Tables | 13 | 21 | 22 | 24 | 80 |
| Telephones and Communication | 54 | 39 | 47 | 54 | 194 |
| **Grand Total** | **566** | **474** | **442** | **470** | **1952** |

1. Use superstore excel file and create.

A pivot table to the average profit sales per customer segment (column) per State (row). Using filter select 10 states to display results. Create a bar chart for the pivot. Place as a title you name and id

Copy paste the pivot table and bar chart here

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Column Labels** |  |  |  |  |  |  |  |  |  |
|  | **Consumer** |  | **Corporate** |  | **Home Office** |  | **Small Business** |  | **Total Average of Profit** | **Total Average of Sales** |
| **Row Labels** | **Average of Profit** | **Average of Sales** | **Average of Profit** | **Average of Sales** | **Average of Profit** | **Average of Sales** | **Average of Profit** | **Average of Sales** |  |  |
| Alabama | -228.952 | 5270.895 | -294.1908 | 3111.556 | -51.220236 | 788.533636 | 266.064 | 755.61 | -109.91166 | 2128.475 |
| Arkansas | 24.28855 | 444.7375 | -87.882857 | 952.687143 | -60.611036 | 297.879091 |  |  | -53.852145 | 532.928636 |
| Colorado | -60.483063 | 183.684286 | 548.676929 | 903.382857 | -94.033132 | 896.193684 | 484.975918 | 1927.84545 | 158.30597 | 1041.89659 |
| Delaware | 203.3709 | 628.88 |  |  |  |  |  |  | 203.3709 | 628.88 |
| Florida | 5.61693714 | 444.576 | -126.11899 | 661.512292 | 295.154606 | 758.986471 | 40.2693104 | 1192.85174 | 0.70490927 | 712.61065 |
| Idaho | 358.3254 | 572.744286 | 317.33626 | 782.152 | 1037.1045 | 1503.05 | 64.8042 | 294.57 | 342.417665 | 696.146 |
| Indiana | 7.30086714 | 503.72 | -44.120141 | 1001.44407 | -7.593 | 80.63 | 100.255256 | 683.672 | -1.9182095 | 775.265094 |
| Kansas | 16.4196333 | 154.886667 | -25.985413 | 1589.37091 | 470.5173 | 1739.62 | 183.756582 | 750.111818 | 100.95468 | 1099.19296 |
| Louisiana | 83.84488 | 666.92 | 59.127012 | 867.583 | 59.746 | 939.966667 | -239.80355 | 39.55 | 35.506271 | 745.4715 |
| Maryland | 136.025917 | 652.306667 | -5.9968156 | 315.806667 | -139.94728 | 328.797273 | 435.94425 | 655.365 | 26.7884724 | 458.748235 |
| **Grand Total** | **43.7912215** | **684.456667** | **-15.414394** | **926.601045** | **33.8133221** | **694.301429** | **164.108286** | **1066.9846** | **40.7343393** | **840.600136** |