EXCEL PIVOT TABLE PROJECT

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QUESTION 1: TOTAL SALES UNDER EACH CATEGORY OF ITEMS

|  |  |
| --- | --- |
| **CATEGOR**I**ES** | **TOTAL SALES** |
| FURNITURE | 741999.7953 |
| OFFICE SUPPLIES | 719047.032 |
| TECHNOLOGY | 836154.033 |

QUESTION 2: WHICH SUBCATEGORY OF ITEMS SOLD THE MAXIMUM UNDER EACH CATEGORY?

|  |  |
| --- | --- |
| CATEGORY | SUBCATEGORY WITH HIGHEST SALES |
| FURNITURE | CHAIRS |
| OFFICE SUPPLIES | STORAGE |
| TECHNOLOGY | PHONES |

QUESTION 3: TOP 3 STATES FROM EACH REGION THAT MADE THE HIGHEST AVERAGE PROFIT?

|  |  |  |  |
| --- | --- | --- | --- |
| REGION | | STATE | AVERAGE PROFIT |
| CENTRAL | | Indiana | 123.3754114 |
|  | | Minnesota | 121.6088472 |
|  | | Missouri | 97.51834091 |
|  | |  |  |
| EAST | | Vermont | 204.0889364 |
|  | | Rhode Island | 130.1005232 |
|  | | District of Columbia | 105.95893 |
|  | |  |  |
| SOUTH | | Alabama | 94.86598852 |
|  | | Georgia | 88.31545272 |
|  | | Virginia | 83.02656429 |
|  | |  |  |
| WEST | | Montana | 122.2219 |
|  |  | Wyoming | 100.196 |
|  | | Nevada | 85.04527949 |

QUESTON 4: PERCENTAGE CONTRIBUTION OF EACH SUBCATEGORY OF PRODUCTS UNDER EACH CATEGORY TO THE TOTAL SALES

|  |  |  |
| --- | --- | --- |
| SUBCATEGORIES | Actual Percentage | APPROXIMATED PERCENTAGE CONTRIBUTION |
| Bookcases | 5.000868592 | 5% |
| Chairs | 14.29779645 | 14% |
| Furnishings | 3.992039425 | 4% |
| Tables | 9.009466068 | 9% |
| Appliances | 4.681008216 | 5% |
| Art | 1.18051462 | 1% |
| Binders | 8.854808325 | 9% |
| Envelopes | 0.717238196 | 1% |
| Fasteners | 0.131650656 | 0% |
| Labels | 0.543544634 | 1% |
| Paper | 3.416297084 | 3% |
| Storage | 9.744189631 | 10% |
| Supplies | 2.031756944 | 2% |
| Accessories | 7.286272651 | 7% |
| Copiers | 6.509140433 | 7% |
| Machines | 8.237792101 | 8% |
| Phones | 14.36561599 | 14% |

QUESTION 5: WHICH CUSTOMER MADE THE LOWEST PROFIT IN THE HOME OFFICE SEGMENT IN EACH STATE?

HOME OFFICE SEGMENT

|  |  |
| --- | --- |
| STATE | CUSTOMER WITH LOWEST PROFIT |
| **Alabama** | Kristina Nunn |
| **Arizona** | Tanja Norvell |
| **Arkansas** | Katherine Murray |
| **California** | Pauline Chand |
| **Colorado** | Sharelle Roach |
| **Connecticut** | Alyssa Tate |
| **Delaware** | Shirley Schmidt |
| **District of Columbia** | Tony Chapman |
| **Florida** | Sean Miller |
| **Georgia** | Mick Hernandez |
| **Idaho** | Nick Zandusky (he is the only one in this state) |
| **Illinois** | Skye Norling |
| **Indiana** | Anthony Garverick |
| **Iowa** | Roy Skaria |
| **Kansas** | Rick Huthwaite |
| **Kentucky** | Craig Leslie |
| **Louisiana** | Robert Marley |
| **Maine** | Penelope Sewall(he/she is the only one in this state) |
| **Maryland** | Ben Ferrer |
| **Massachusetts** | Duane Huffman |
| **Michigan** | Sam Zeldin |
| **Minnesota** | Arthur Wiediger |
| **Mississippi** | Corinna Mitchell |
| **Missouri** | Craig Leslie |
| **Montana** | Eugene Moren |
| **Nebraska** | Jesus Ocampo |
| **Nevada** | Neil Französisch |
| **New Hampshire** | Adam Bellavance |
| **New Jersey** | Tamara Willingham |
| **New Mexico** | Marc Harrigan |
| **New York** | Lindsay Shagiari |
| **North Carolina** | Tracy Hopkins |
| **North Dakota** | Christopher Schild(he/she is the only one in this state) |
| **Ohio** | Mick Hernandez |
| **Oklahoma** | Julie Prescott |
| **Oregon** | Adrian Hane |
| **Pennsylvania** | Paul Knutson |
| **Rhode Island** | Brad Eason |
| **South Carolina** | Parhena Norris(he/she is the only one in this state ) |
| **Tennessee** | Dean percer |
| **Texas** | Arthur Wiediger |
| **Utah** | Rick Huthwaite |
| **Vermont** | Valerie Mitchum(he/she is the only one in this state ) |
| **Virginia** | Tracy Collins |
| **Washington** | Frank Gastineau |
| **West Virginia** | Eugene Hildebrand(he/she is the only one in this state ) |
| **Wisconsin** | Dennis Pardue |
| **Wyoming** | Michelle Arnett(he/she is the only one in this state ) |

QUESTION 6: FIND THE SALES MADE IN EACH QUARTER OF 2016 FOR ALL THE REGIONS. USE ORDER YEAR AS A SLICER. PLEASE INCLUDE A PIVOT CHART

QUESTION 7

Find the profit made in each year for all the categories of products in the east and west regions. Create a histogram for the same pivot table.

|  |  |
| --- | --- |
| **Furniture** | **14551.1161** |
| **2015** | **2562.3702** |
| East | -499.6581 |
| West | 3062.0283 |
| **2016** | **3037.6338** |
| East | -47.4132 |
| West | 3085.047 |
| **2017** | **4067.044** |
| East | 1413.1127 |
| West | 2653.9313 |
| **2018** | **4884.0681** |
| East | 2180.1244 |
| West | 2703.9437 |
| **Office Supplies** | **93624.4281** |
| **2015** | **16699.7936** |
| East | 6725.3263 |
| West | 9974.4673 |
| **2016** | **19709.3892** |
| East | 11040.6424 |
| West | 8668.7468 |
| **2017** | **23344.5164** |
| East | 11499.0901 |
| West | 11845.4263 |
| **2018** | **33870.7289** |
| East | 11749.5203 |
| West | 22121.2086 |
| **Technology** | **91765.6847** |
| **2015** | **17863.1369** |
| East | 10833.9413 |
| West | 7029.1956 |
| **2016** | **18836.1847** |
| East | 10097.7838 |
| West | 8738.4009 |
| **2017** | **16781.6426** |
| East | 7229.3933 |
| West | 9552.2493 |
| **2018** | **38284.7205** |
| East | 19300.9167 |
| West | 18983.8038 |

|  |  |  |  |
| --- | --- | --- | --- |
| *Sum of Profit* |  | *Region* |  |
| *Category* | *Order Date - Year* | East | West |
| Furniture | 2015 | -$ 499.66 | 3062.0283 |
|  | 2016 | -$ 47.41 | 3085.047 |
|  | 2017 | $ 1,413.11 | 2653.9313 |
|  | 2018 | $ 2,180.12 | 2703.9437 |
| Furniture Total |  | $ 3,046.17 | 11504.9503 |
| Office Supplies | 2015 | $ 6,725.33 | 9974.4673 |
|  | 2016 | $ 11,040.64 | 8668.7468 |
|  | 2017 | $ 11,499.09 | 11845.4263 |
|  | 2018 | $ 11,749.52 | 22121.2086 |
| Office Supplies Total |  | $ 41,014.58 | 52609.849 |
| Technology | 2015 | $ 10,833.94 | 7029.1956 |
|  | 2016 | $ 10,097.78 | 8738.4009 |
|  | 2017 | $ 7,229.39 | 9552.2493 |
|  | 2018 | $ 19,300.92 | 18983.8038 |
| Technology Total |  | $ 47,462.04 | 44303.6496 |