**COURSE CAPSTONE 23DTAL002**

**DATASET DESCRIPTION FOR OFFICE SUPPLIES DATASET.**

This dataset consists of six columns and forty-four rows. The column headers include order date, region, rep, items. Unit and unit price. It’s an information about office supplies made by different sales reps in the central, east and west regions. Additional column was created with the header Sales to complement the dataset. The data was analyzed using Microsoft excel and power BI.

Between Friday, July 4, 2014 and Thursday, June 25, 2015, East had the largest increase in Sum of Sales (74.35%) while West had the largest decrease (92.28%).﻿﻿ ﻿﻿ ﻿﻿The most recent Sum of Sales anomaly was on Monday, December 29, 2014, when East had a high of 1,183.26.﻿﻿ ﻿﻿ ﻿﻿Sum of Sales for Central started trending up on Tuesday, May 5, 2015, rising by 39.17% (175.90) in 1.40 months.﻿﻿ ﻿﻿﻿ ﻿

﻿At 707, Q2 of 2015 had the highest Sum of Units and was 73.28% higher than Q3, of 2014 which had the lowest Sum of Units at 408.﻿﻿ ﻿﻿ ﻿﻿Q2 of 2015 had the highest Sum of Units at 707, followed by Q4 of 2014, Q1 of 2015, and Q3 of of 2014.﻿﻿ ﻿﻿ ﻿﻿Q2 accounted for 33.33% of Sum of Units.﻿﻿ ﻿﻿ ﻿﻿Across all 4 Quarter, Sum of Units ranged from 408 to 707.At 512, Binder was 250.68% higher than Pen Set, which had the lowest Sum of Units at 146.﻿﻿ ﻿﻿ ﻿﻿Binder at 512, followed by Pencil, Pen, and Pen Set.﻿﻿ ﻿﻿ ﻿﻿Binder accounted for 46.33% of Sum of Units.﻿﻿ ﻿﻿ ﻿﻿Across all 4 Item, Sum of Units ranged from 146 to 512.﻿﻿   
At 396, **Richard** had the highest Sum of Units and was 344.94% higher than Thomas, which had the lowest Sum of Units at 89.﻿﻿ ﻿﻿ ﻿﻿[]﻿﻿ ﻿﻿ ﻿﻿Richard accounted for 18.67% of Sum of Units.﻿﻿ ﻿﻿ ﻿﻿Across all 11 Rep, Sum of Units ranged from 89 to 396.﻿﻿ ﻿﻿ ﻿

Sum of Sales trended up, resulting in a 45.16% increase between Friday, July 4, 2014 and Thursday, June 25, 2015. ﻿﻿ ﻿﻿ ﻿﻿Sum of Sales started trending up on Tuesday, May 5, 2015, rising by 39.17% (175.90) in 1.40 months.﻿﻿ ﻿﻿ ﻿ ﻿﻿ ﻿﻿Sum of Sales jumped from 449.10 to 625 during its steepest incline between Tuesday, May 5, 2015 and Wednesday, June 17, 2015.﻿﻿ ﻿﻿ ﻿﻿Sum of Sales was unexpectedly high on Thursday, December 4, 2014. It had a value of 1,879.06, which is outside the expected range of 349.61-548.59.﻿﻿ ﻿﻿ ﻿﻿The most recent anomaly was on Thursday, December 4, 2014, when Sum of Sales had a high value of 1,879.06.﻿﻿ ﻿﻿ ﻿﻿Sum of Sales had the most significant anomaly, a high of 1,879.06 on Thursday, December 4, 2014.﻿﻿ ﻿﻿ ﻿﻿Sum of Sales experienced the longest period of decline (-254.49) between Friday, July 4, 2014 and Monday, November 17, 2014.﻿﻿ ﻿﻿ ﻿﻿Between Friday, July 4, 2014 and Thursday, June 25, 2015, East had the largest increase in Sum of Sales (74.35%) while West had the largest decrease (92.28%).﻿﻿ ﻿﻿ ﻿﻿The most recent Sum of Sales anomaly was on Monday, December 29, 2014, when East had a high of 1,183.26.﻿﻿ ﻿﻿ ﻿﻿Sum of Sales for Central started trending up on Tuesday, May 5, 2015, rising by 39.17% (175.90) in 1.40 months . ﻿﻿ ﻿﻿ The income from the top 5 sum of units is 4.3 K. ﻿﻿[]﻿﻿ ﻿﻿ ﻿

SUMMARY

**Richard** in the East had the highest unit of 396 products supplied followed by Alex in the Central region with 291 units, Thomas had the least supply of 89 units of items in the West. . **Second quarter** of 2015 had the highest units of 707 items supplied, followed by the fourth quarter of 2014 with 548 units of items supplied. Central region had the highest sum of units of items supplied 1199 units. **The top 10 units of items** supplied consist of all the items except the desk, while **the bottom 10 sum of units of items** include all the items vis a vis pen, binder, pencil, pen set and desk. Restocking therefore will include all the items except the desk. **The income from the top 5 sum of units is 4.3 K.**

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