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Walmart Departments Analysis From 2011 - 2016

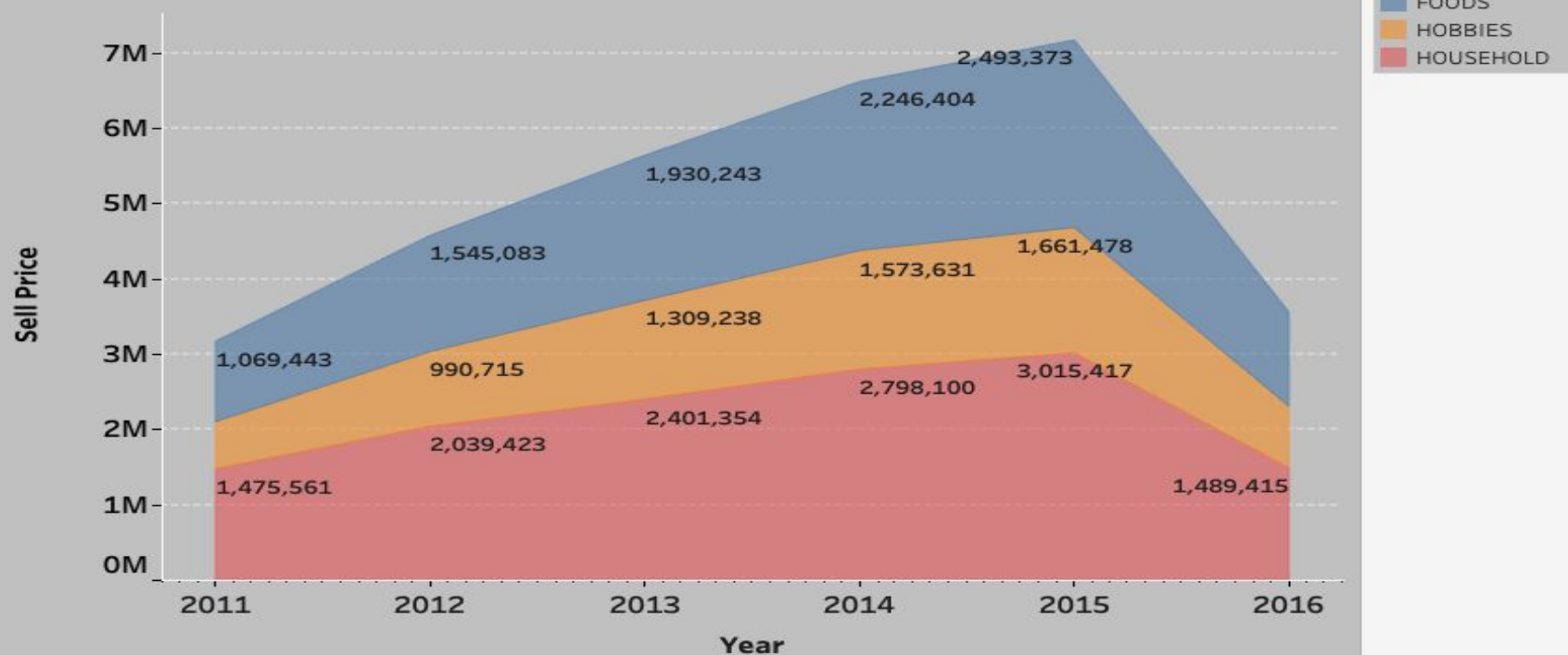
Walmart

	Sale	Buy	Grow
Gold	5547.00	2894.11	93.82%
Platinum	3381.00	1555.74	51.89%
Silver	3776.00	21261.93	5.5120%
Copper	2610.00	26337.76	34.00%
Steel	2440.00	2077.90	23.82%
Aluminum	176.00	2754.89	1.49%
Nickel	1558.00	2795.14	91.00%
Aluminum	2201.00	2714.63	18.40%
Chrome	2860.00	2077.23	6.30%
Nickel	1421.00	2643.54	7.60%
Stainless	1795.00	2701.12	4.40%

	Sale	Buy	Grow
Cotton	515.00	2633.63	23.24%
Flax	8122.00	2233.32	19.82%
Textiles	524.00	2033.44	16.62%
Steel	2610.00	26337.76	34.00%
Flax	8122.00	2233.32	19.82%
Stainless	1795.00	2701.12	4.40%
Flax	8122.00	2233.32	19.82%
Stainless	1795.00	2701.12	4.40%

Walmart Categories Trends

Categories by Total Sales



Statistical Analysis

T-Test

- The Sample using
 - Household items by (2011)
 - Hobbies items (2011)

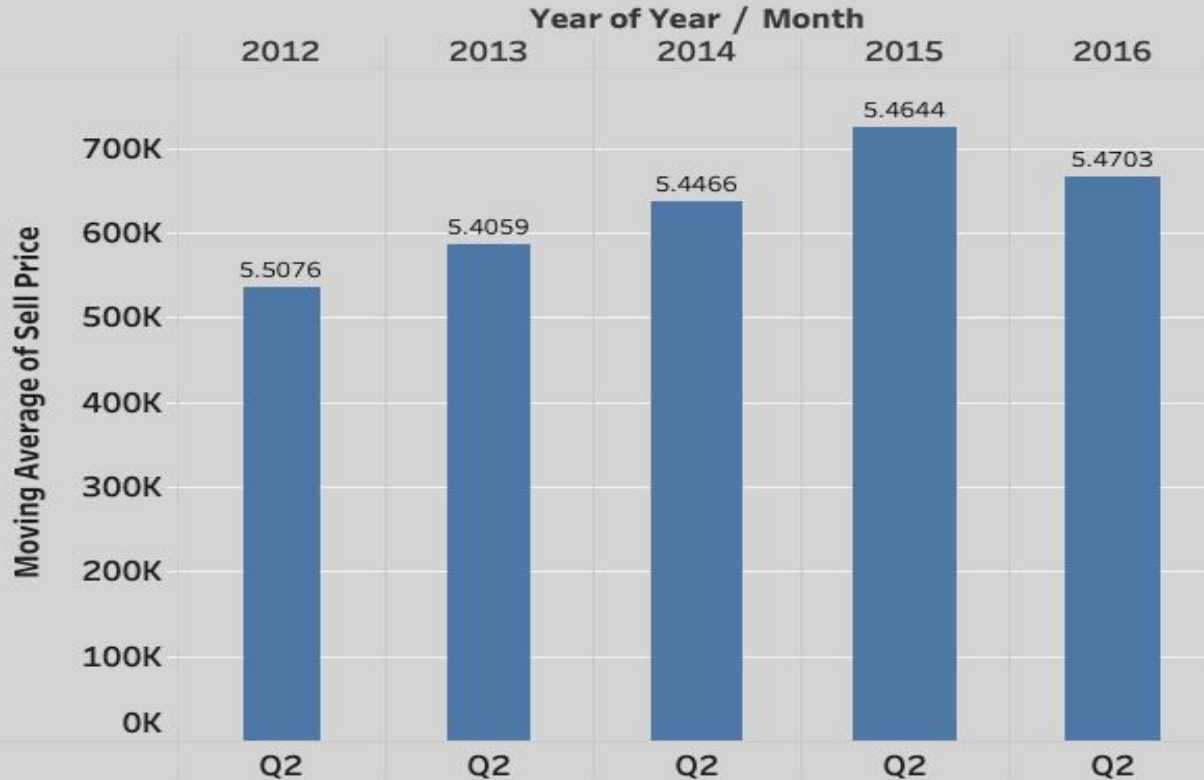
P-Value 2.12×10^{-27}

Stat: -12.77



Investigate Seasonal Trends

Avg Sale Price By Year in a Quarter



Year

1/29/2011

1/1/2016

Cat Id (group)

HOUSEHOLD

Moving Average of SUM...

535,195

600,000

650,000

700,000

725,117



Further Analysis

1. Conduct T-test to of average sales by the quarter.
2. Check for special items outliers that drive the average sales
3. Investigate Categories based on Events and Occurrences

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