

Investigation Summary: Understanding Photocopier Usage and Sales

Upon analysing the correlation data, several key insights have emerged regarding photocopier usage and sales within the company:

- **No Significant Correlation between Counter Increase and Quantity Sold:**

The data indicates a negligible correlation between the increment in photocopier usage (counter) and the quantity of items sold. This suggests that an increase in photocopier usage doesn't necessarily translate to higher sales volume on the same day. This implies the possibility of additional photocopier usage beyond sales activities.

- **Strong Positive Correlation between Counter and Price:**

A noteworthy finding reveals a robust positive correlation between photocopier usage (counter) and the unit price of items sold. This suggests that as photocopier usage increases, there is a tendency for the unit price of items to rise accordingly. This may indicate potential pricing adjustments in response to increased demand or operational costs.

- **High Correlation between Quantity Sold and Daily Income:**

The data demonstrates a high correlation between the quantity of items sold and the daily income generated. This suggests a strong relationship between sales volume and revenue, indicating that higher sales volume leads to increased daily income.

- **Potential Indications of Unauthorized Usage:**

The lack of correlation between photocopier usage and sales volume raises concerns about potential unauthorized usage of the photocopier. It suggests the possibility of employees utilizing the photocopier for personal purposes and selling the output outside of company operations, leading to unaccounted revenue.

Recommendations:

Implement stricter monitoring and control measures to mitigate unauthorized photocopier usage. Conduct regular audits to detect and prevent fraudulent activities. Provide employee training on ethical business practices and compliance to ensure adherence to company policies.