**Assignments: ALY6080 90325 Integrated Experiential Learn SEC 03 Summer 2023 CPS [BOS-1-HY]**

**Module 2 Assignment — XN Project: Pros & Cons**

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**Locally Inspired** **XN Project: Pros & Cons**

**Overview and Rationale**

The datasets, namely Locally\_Inspired\_monthly\_inventory\_2023\_05\_01 and Locally\_Inspired\_Order\_1\_1\_23\_5\_31\_23, are pivotal. They present potential game-changers in evaluating business performance.

**Strengths and Weaknesses of the Data Sets**

The inventory dataset's strength lies in its comprehensiveness. It delivers detailed product information, including title, variant, SKU, cost, and remaining quantity. These specifics are integral to managing inventory effectively and assessing product performance.

On the flip side, the inventory dataset has weaknesses. Negative or missing inventory values crop up. These inaccuracies could warp the understanding of inventory status. They might create a misguided perception of business performance.

The order dataset too, presents its strengths and weaknesses. It bestows rich transaction data upon the user, making it invaluable for strategic planning. Knowing when and what customers buy provides insights into buying patterns. Yet, the order dataset isn't without faults. It falls short on complete customer information, particularly in the email field. This omission hampers accurate customer segmentation. Thus, it becomes crucial to ensure the email data volume is substantial and valid.

**Use of Data for Storytelling**

Data becomes the narrator of a business's journey. When inventory data is accurate, it paints a positive picture. It tells a tale of efficient stock management and sensible product selection. Similarly, comprehensive transaction data can weave a story of a vibrant customer base. It can also project an image of impressive sales trends.

However, if the data errs, the narration suffers. It can cast a negative light, misrepresenting business performance. It can blur problem areas, thereby delaying critical interventions.

**Skewed Statistics**

Data discrepancies can skew statistics. For instance, consider the influx of tourists during peak seasons. This surge might spike the sales unusually, presenting an inflated image of demand. While this temporary boost is welcome, it may lead to misconceptions about consistent high demand.

Inventory data too isn't immune to distortions. Negative or missing inventory values can twist stock management statistics. They might conceal potential issues with restocking frequency or overselling incidents. It's vital to understand and account for these possible aberrations.

**Other Impacts of Data on Business Performance**

Data is a powerful ally in improving operations and spotting trends. It keeps a close watch on performance indicators, serving up insights for informed decisions. It helps businesses track their progress against set objectives, thereby enabling course corrections when necessary.

But, it's not always a rosy picture. Erroneous data can be a business's downfall. It can guide decisions down the wrong path. A flawed dataset is not just an inconvenience. It's a significant business risk, capable of obstructing progress and prosperity.

**References:**

Locally inspired. Locally Inspired WI. (n.d.). <https://locallyinspiredwi.com/>