Data Analyst

Portfolio

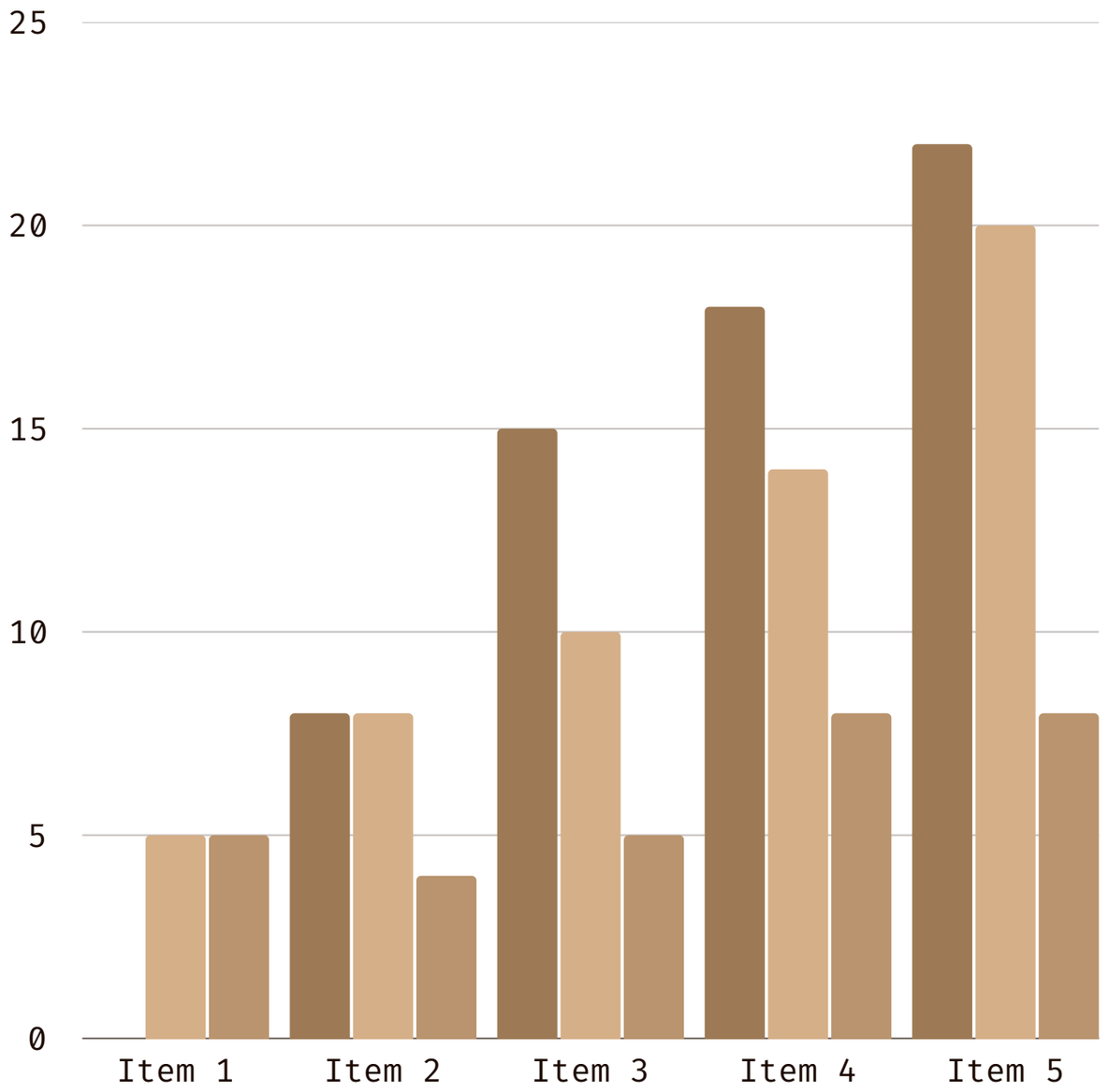
AKBAR — *Iftikhor*

WORK WITH ME

I AM AKBAR

I am deeply interested in the world of blockchain and Web3 because these technologies offer significant potential to transform the way we interact with data, assets, and digital systems on a global scale. In the current global context, where decentralization, transparency, and data security are critical issues, blockchain and Web3 emerge as solutions that could redefine various industries, from finance to supply chain management. Not only do these technologies provide greater freedom for users, but they also create a more inclusive and equitable ecosystem.

With a background in data analysis and technical applications, I am eager to explore how blockchain and Web3 can disrupt traditional business models and drive innovation across sectors. By gaining a deeper understanding of these technologies, I aim to contribute to solving global challenges and leveraging new opportunities that can accelerate digital transformation as a whole.

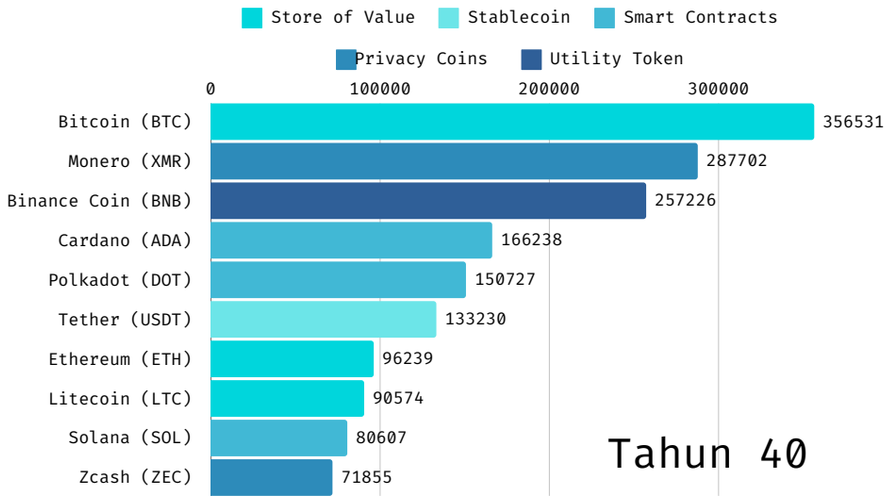


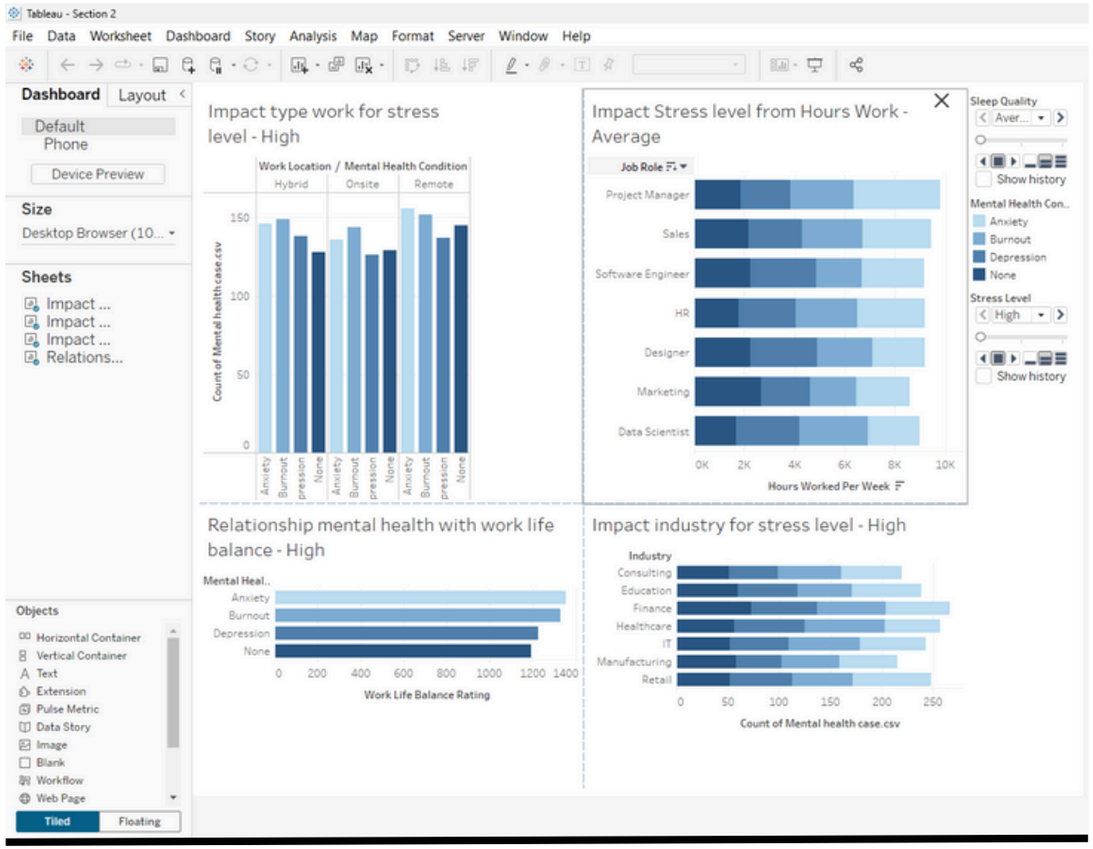
Data Analyst

Visualization

Data visualization is the graphical representation of information and data. By using visual elements like charts, graphs, and maps

data visualization tools provide an accessible way to see and understand trends, outliers, and patterns in data. In the context of sales, visualization helps stakeholders grasp the performance metrics effortlessly, enabling quick decision-making and strategic planning.

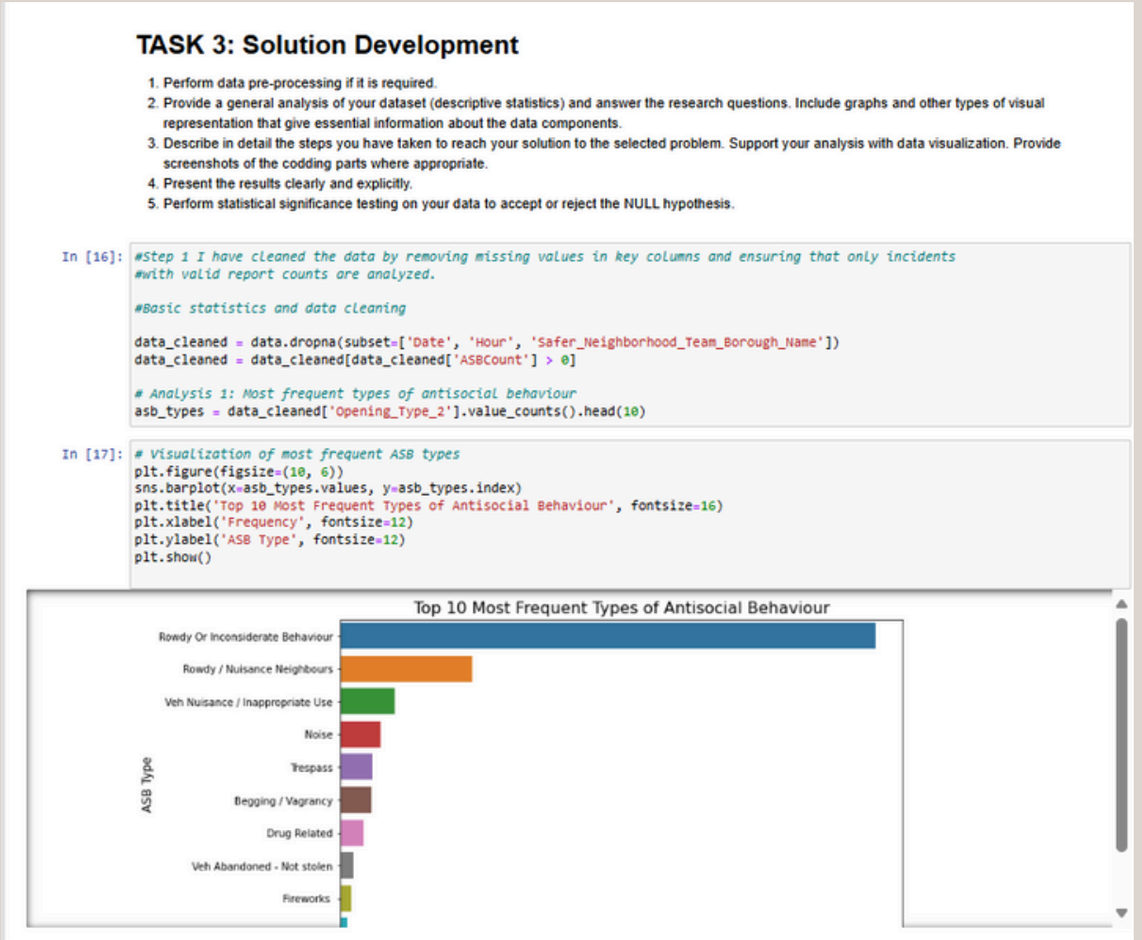




JUPYTER NOTEBOOK——— Python

"Data Visualization: Telling the Story Behind the Numbers"

Data visualization can be seen as a story that illustrates the flow and progression of information. By using visual elements like charts, graphs, and maps, data visualization tools provide an intuitive way to observe and understand trends, outliers, and patterns in the data. In the context of sales, visualization allows stakeholders to experience the performance narrative directly, making it easier to make quick decisions and strategic plans.



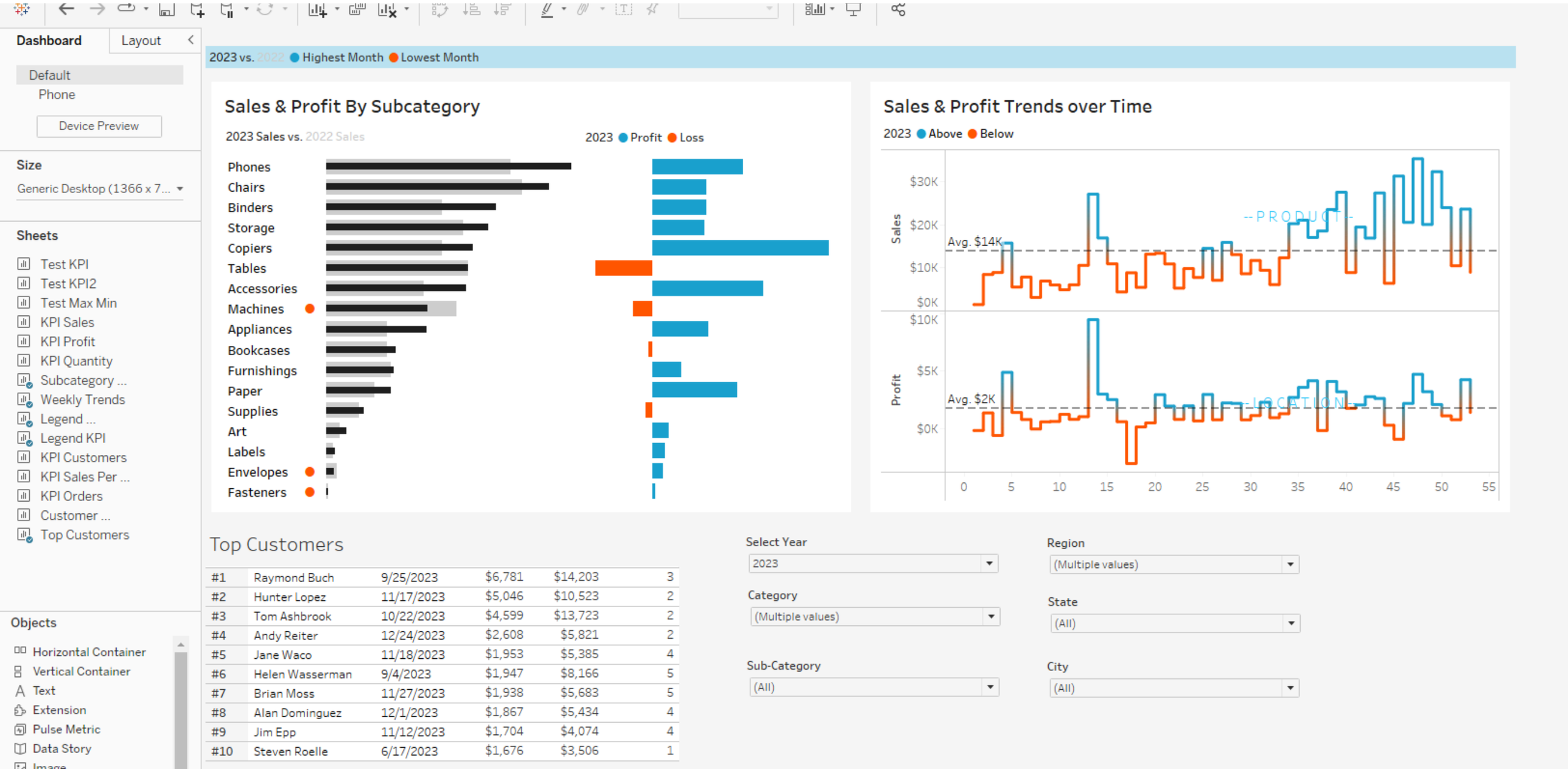
TASK 3: Solution Development

1. Perform data pre-processing if it is required.
2. Provide a general analysis of your dataset (descriptive statistics) and answer the research questions. Include graphs and other types of visual representation that give essential information about the data components.
3. Describe in detail the steps you have taken to reach your solution to the selected problem. Support your analysis with data visualization. Provide screenshots of the codding parts where appropriate.
4. Present the results clearly and explicitly.
5. Perform statistical significance testing on your data to accept or reject the NULL hypothesis.

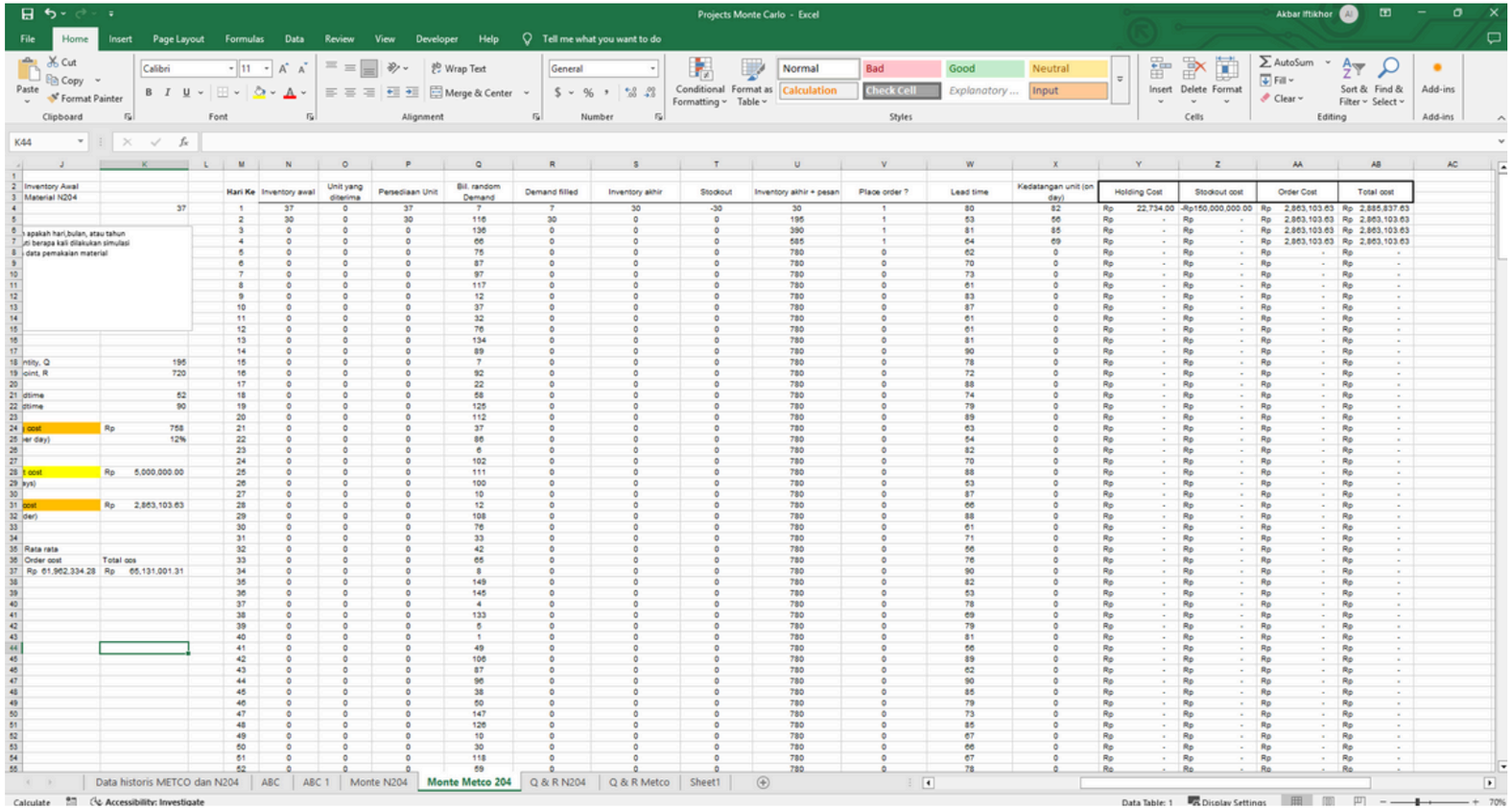
In [16]:
```
#Step 1 I have cleaned the data by removing missing values in key columns and ensuring that only incidents
#with valid report counts are analyzed.

#Basic statistics and data cleaning

data_cleaned = data.dropna(subset=['Date', 'Hour', 'Safer_Neighborhood_Team_Borough_Name'])
data_cleaned = data_cleaned[data_cleaned['ASBCount'] > 0]

# Analysis 1: Most frequent types of antisocial behaviour
asb_types = data_cleaned['Opening_Type_2'].value_counts().head(10)
```

In [17]:
```
# Visualization of most frequent ASB types
plt.figure(figsize=(10, 6))
sns.barplot(x=asb_types.values, y=asb_types.index)
plt.title('Top 10 Most Frequent Types of Antisocial Behaviour', fontsize=16)
plt.xlabel('Frequency', fontsize=12)
plt.ylabel('ASB Type', fontsize=12)
plt.show()
```

VISUALIZATION INT —— Tableau



Data Processing with excel



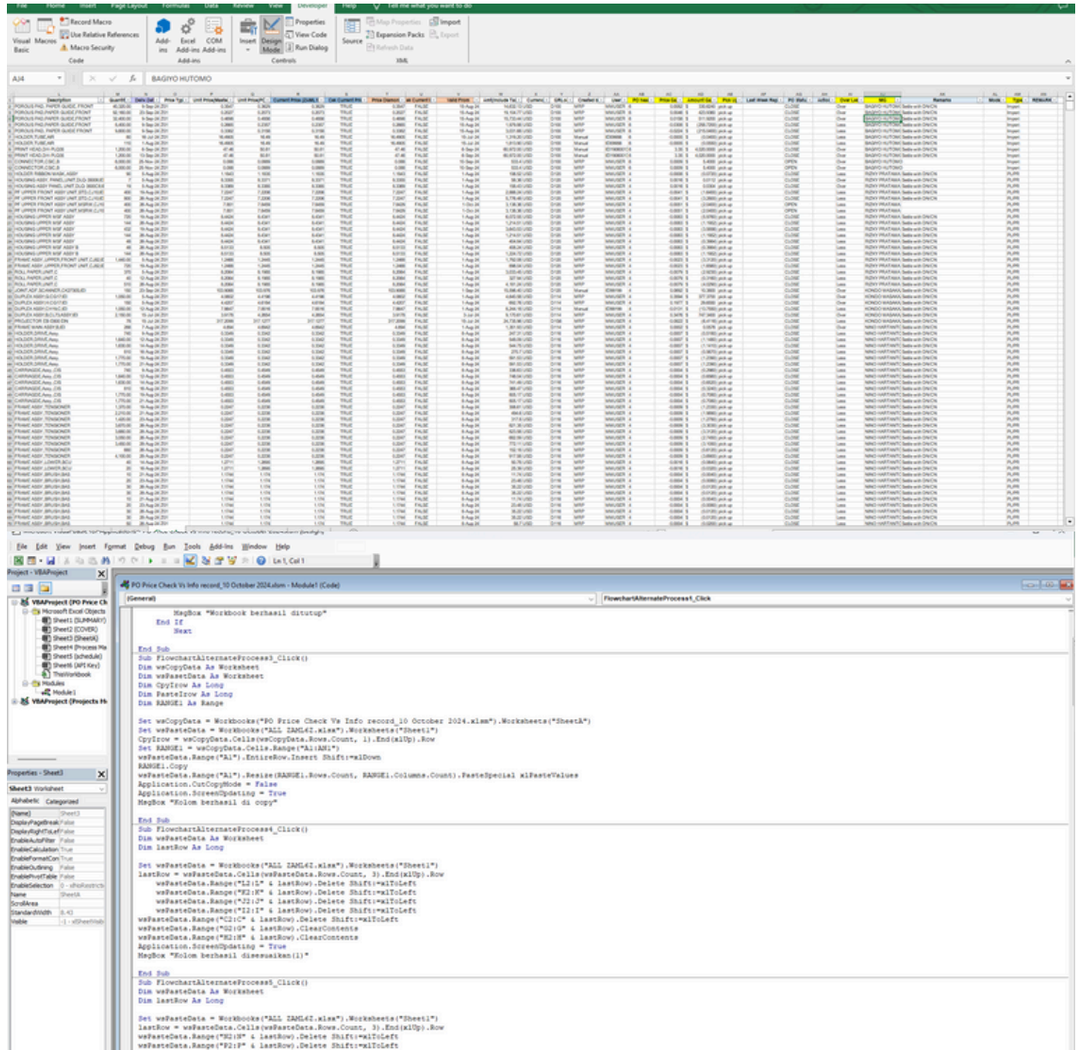
"Data processing : Monte Carlo simulation "

This Monte Carlo simulation is designed to find the minimum cost with the most optimal material order quantity for a product at one of company X's facilities located in Tangerang, Indonesia.

The Result is :

By conducting the simulation 500 times, the results obtained are EOQ = 195 and ROP = 720, with a total cost of Rp 65,022,845. This leads to savings of Rp 14,679,504, achieving an efficiency of 18%.

Data Processing with Vba Macro



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LET'S *Collaborate*

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CONTACT ME