SADHVI ACADEMY

INTERNSHIP PROJECT REPORT

TITLE : LAPTOP SPECS

PROJECT : 2

NAME : MADHUMITHA K

BATCH : 2

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INTRODUCTION :

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- A laptop's specifications can make a big difference in its performance, so it's essential to be informed. Choosing the correct specifications for your laptop can significantly enhance its performance and user-friendliness.
- Shopping for a new laptop can be overwhelming, especially when understanding all the technical specifications. Here's a quick rundown of the important factors to consider before purchasing.
- Good laptop specs is a processor.

TOOLS & TECHNOLOGIES USED :

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PROGRAMMING LANGUAGE :

PYTHON

LIBRARIES :

PANDAS

SEABORN

MATPLOTLIB

TOOLS :

EXCEL

POWERBI

MAIN KPI'S USED :

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FOR PYTHON :

- DISTRIBUTION OF LAPTOP PRICES.
- STORAGE AND TYPE ANALYSIS.
- RELATIONSHIP BETWEEN THE PHYSICAL DIMENSIONS.

SCREENSHOTS :

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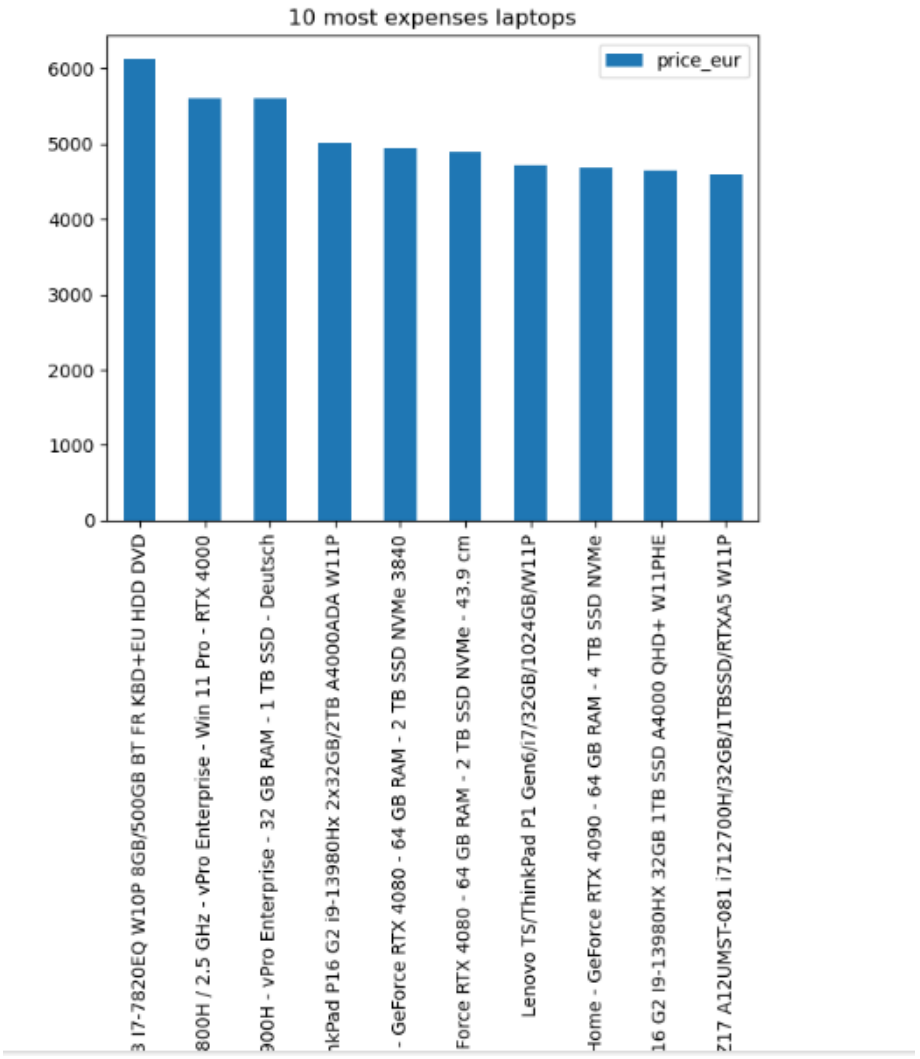
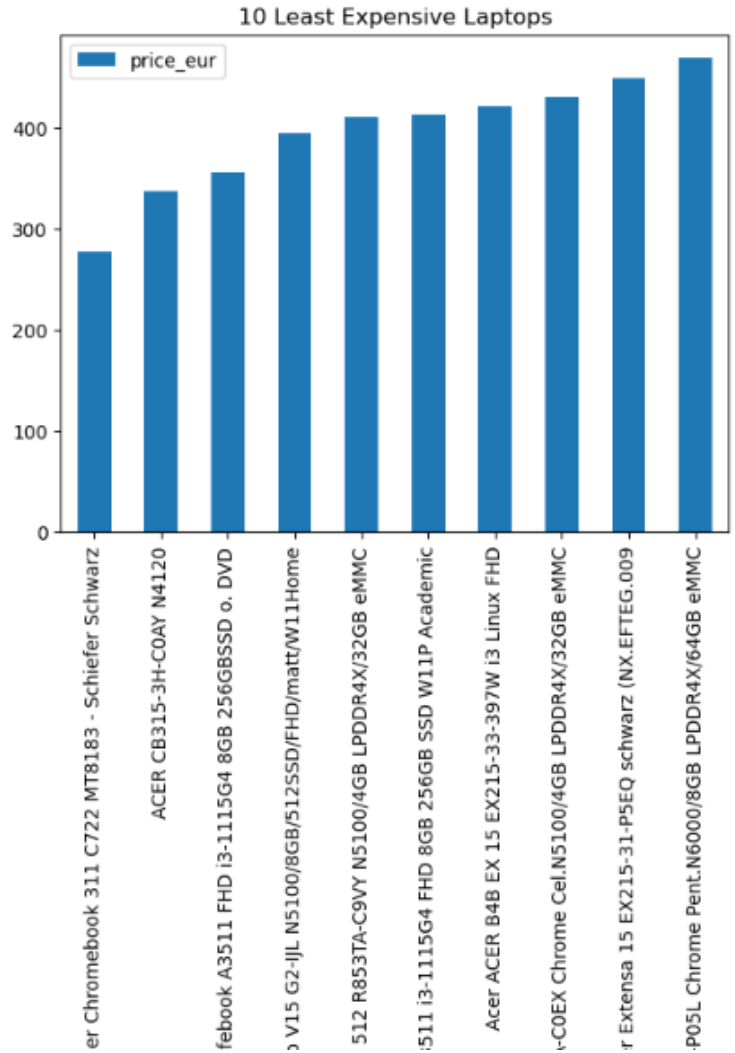
Top 10 expensive laptops:

```
]: top_10 = laptops.nlargest(10,columns=['price_eur'])
top_10.plot(kind='bar', x='name', y='price_eur', title='10 most expenses laptops');
```



10 LEAST EXPENSIVE LAPTOPS:

```
least_10 = laptops.nsmallest(10,columns=['price_eur'])
least_10.plot.bar(x='name',y='price_eur',title='10 Least Expensive Laptops');
```



SCREENSHOTS :

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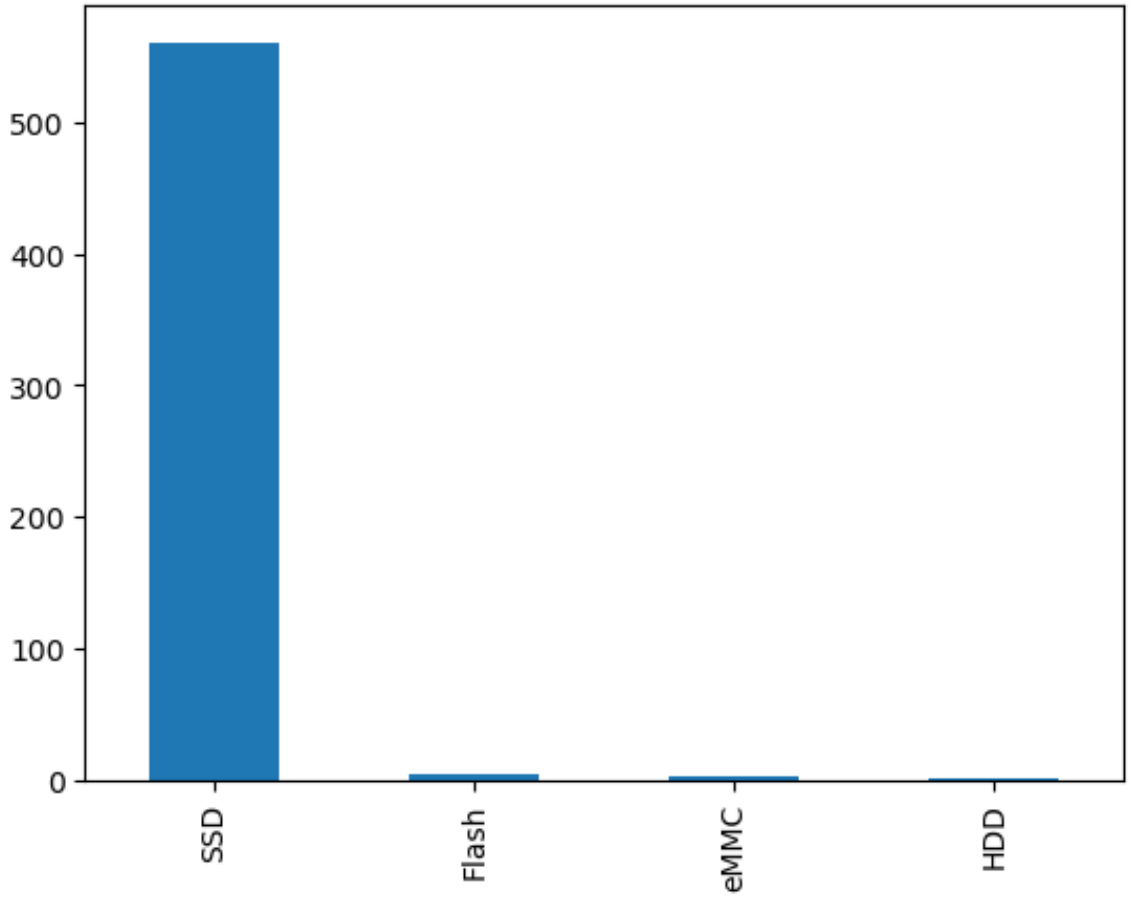
storage type predominant:

```
laptops['storage_type'].value_counts().plot.bar();
```



SCREENSHOTS :

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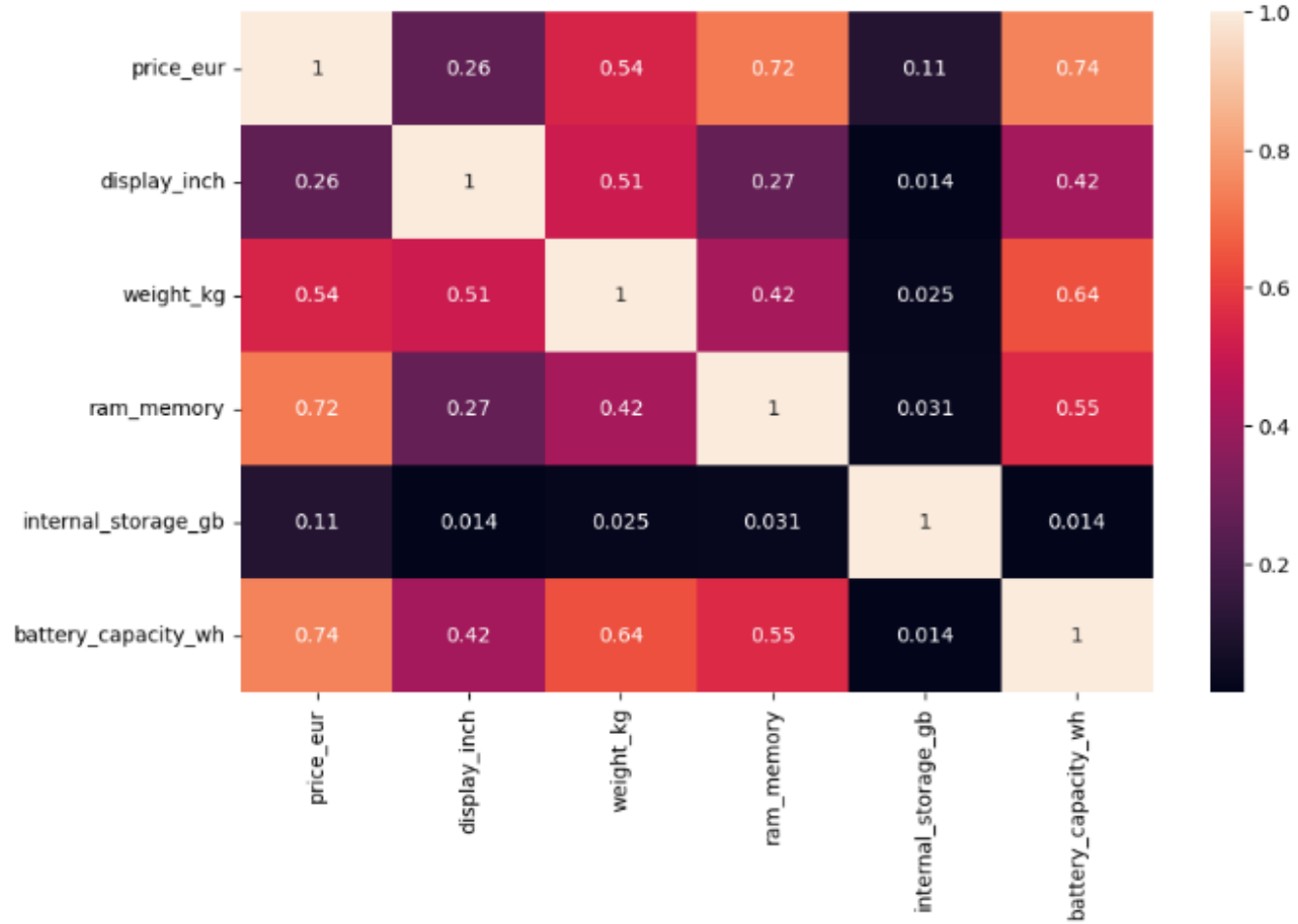
Unique relationship between columns :

```
numerical_columns = laptops.select_dtypes(include='number')
plt.figure(figsize=[10,6])
sns.heatmap(numerical_columns.corr(),annot=True);
```



MAIN KPI'S USED :

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FOR POWERBI:

- DISTRIBUTION OF LAPTOP PRICES.
- STORAGE AND TYPE ANALYSIS.
- RELATIONSHIP BETWEEN THE PHYSICAL DIMENSIONS

MY DESIGN :

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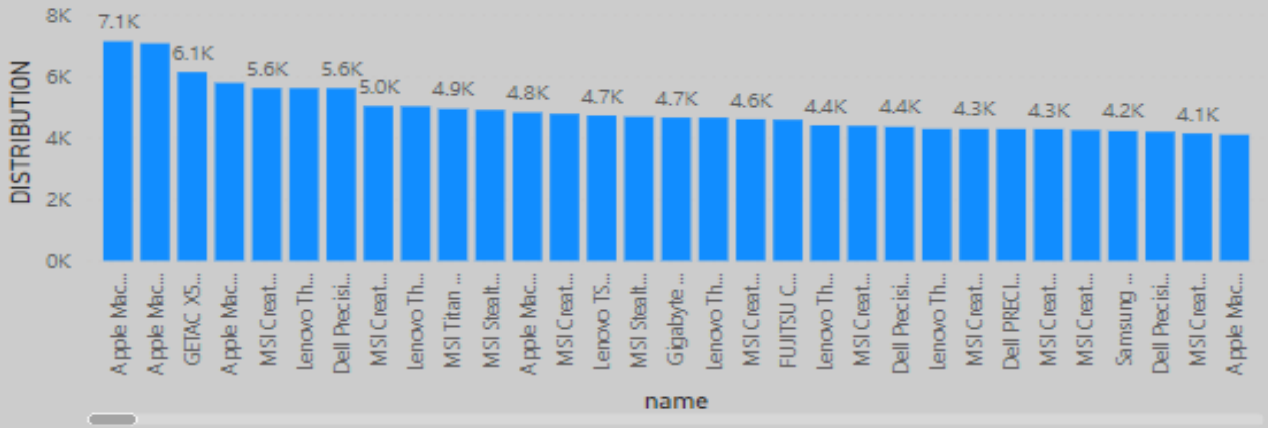
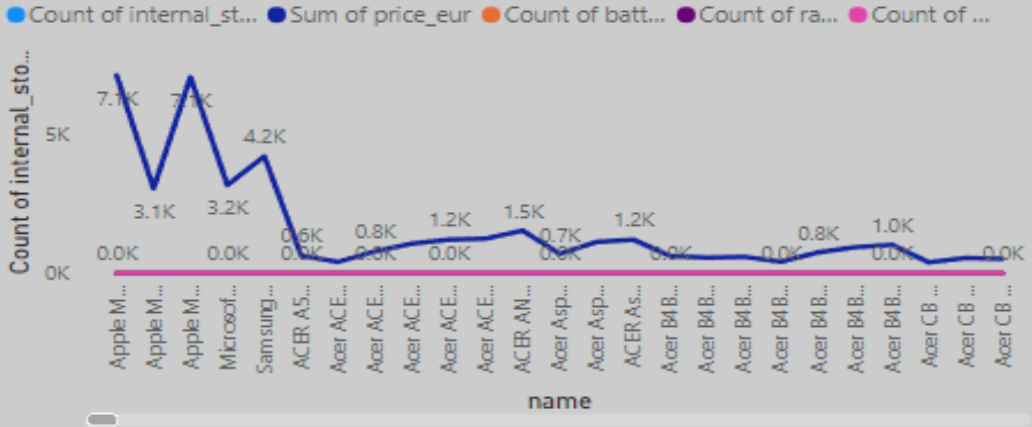
LAPTOP SPECS ANALYSIS

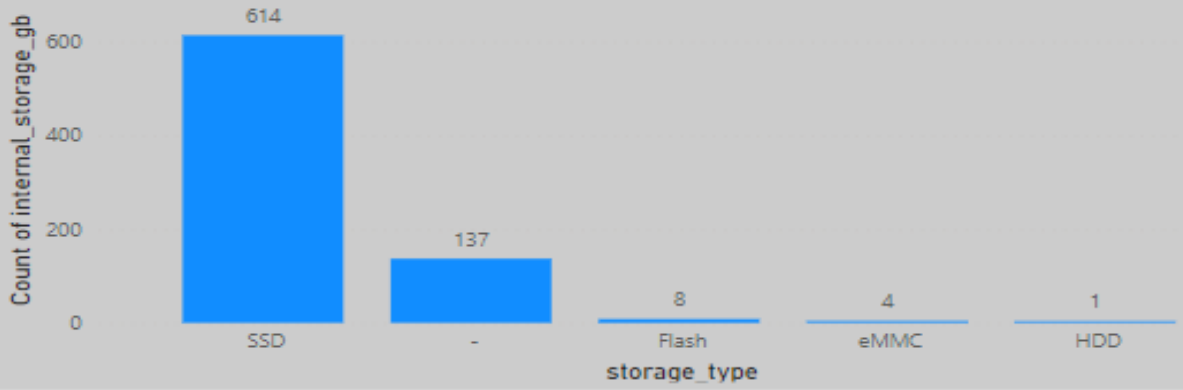
DISTRIBUTION OF LAPTOP PRICES



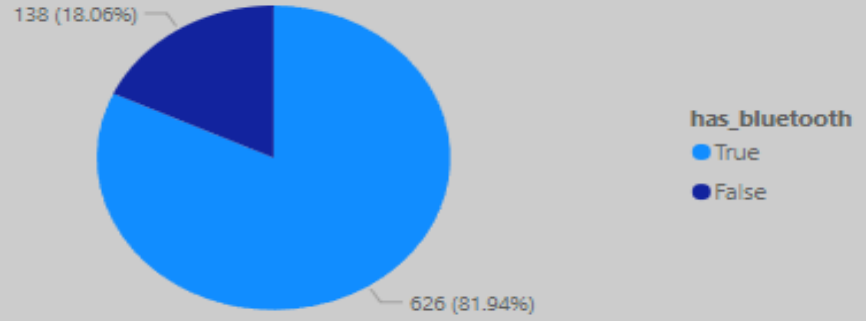
RELATIONSHIP BETWEEN PHYSICAL DIMENSION.



STORAGE AND TYPE ANALYSIS



BLUETOOTH



CONCULSION :

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- In conclusion, the methods employed in the data analysis of the given dataset were effective in providing insights into the data distribution.
- The challenges encountered during the implementation of the methods provided valuable lessons for future works.

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THANK YOU