DATA ANALYTICS USING MICROSOFT POWER BI

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INDUSTRY TALK 7

What is this Data Visualization

Data visualization is the process of translating large data sets and metrics into charts, graphs and other visuals. The resulting visual representation of data makes it easier to identify and share real-time trends

When Power BI is important

Power BI offers data preparation and discovery, interactive dashboards and rich visualisations in one solution, and its self-service capabilities make it an intuitive tool for interacting with data and turning it into insights more easily
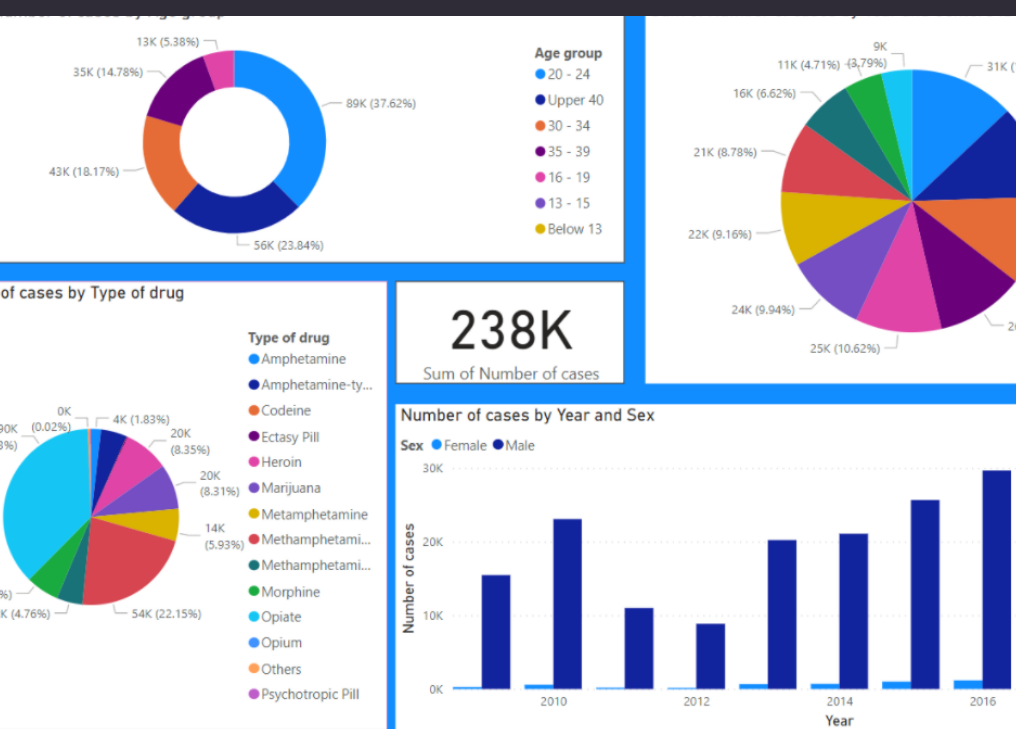
What is Microsoft Power BI

Microsoft Power BI is an interactive data visualization software that uses the data and visualizes it with a user friendly interface. Microsoft Power BI is widely used around the world especially in business sectors. It processes the data by analyzing and visualizing it in an attractive and easy to understand way for its users to see the pattern of their business,gain deeper insight to the data and create a business based on ever changing customers demands

refelection

From the talk, we learned how to visualize data using Microsoft Power BI and summarized the steps into four parts. First, we thought that each has a part to describeit can be in any form like trends for example . When we know what the story is, we can determine the type and relationship of our data. This process will help a lot in the final steps where we will be presenting and visualizing our data into suitable chart or visualizations.

Objectives of this analysis

Statics of this Analysis

to find number of cases based on age group to find in which age people start to think about drugs in it and which age has highest number of addiction so we can know why this age has highest as well as which centers in Malaysia has highest number of cases

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also, if there is a certain Type of drug that people like it and it has high number of addicts to it

Which gender is more addicted for drugs and Why

based on number of cases by year and Sex, male appears to be more addicted to drugs, why male is addicted to drugs more than Female ?

Based on the number of cases per type of drug addiction why Amphetamine appears to have the highest number of addicts,

include trends of data analytics

The popularity of data analytics has risen significantly over the years. Data analytics is the process of analyzing raw data to see the pattern of the data and make conclusions from it. Many sectors use big data analytics such as in healthcare, business and many more. In healthcare, they use all kinds of data from unstructured to structured data. With data analytics, they can sort clinical data and help doctors to diagnose the patient and many more. In business sectors, they can analyze the pattern of their customers and suggest their products to the customers based on their customers needs. Data analytics is still new to the industry but it keeps evolving over the years and we can see that it can improve the way we use the data efficiently.

refelection

It has been a widely acknowledged fact that big data has become a big game changer in most of the modern industries over the last few years. As big data continues to permeate our day-to-day lives the number of different industries that are adopting big data continues to increase. It is well said that when new technologies become cheaper and easier to use, they have the potential

Conclusion

we can see from data analysis which the 20-24 age group has the highest number (37.62%) involved in drug cases . Amphetamine is the most chosen (36.93%) drug by people involved in drug cases. Male also dominate the number of drug cases and have the highest number which almost reached 30K in 2016. To sum up all the drug cases, the number of drug cases reach 238k.

Group details

This groups consists of six members. The leader for this group is Faris. While the member of this group Amsyar, Kiran, Youssef, Veron and Chong. We split our work of this report by assigning the task to everyone. Youssef and Amsyar are in charge of data visualization using Microsoft Power BI while Faris and Kiran are in charge of searching the data for the report. Veron and Chong are in charge of writing this report