

Real life situation: Purchase of a laptop

1. **Plan:** Develop a strategy to optimize the purchase of a laptop that meets specific needs and budget constraints while ensuring the best performance and value.
2. **Prepare:** I identify the primary use of the laptop example, gaming, programming, general use etc. I also research different ecommerce website for the best laptop in the budget constraints and gather information on key features based on primary use.
3. **Process:** I analyze the specifications and prices of different laptop models, and compare its features and performance metrics.
4. **Analyze:** I analyze the collected data to make better decisions, such as Identifying trends, and which model or OS is best suitable for purpose and read reviews and ratings to make the best choice.
5. **Share:** I share the summarized analysis with my friends or family members, to get input/feedback.
6. **Act:** I finally chose a laptop for purchase based on the analysis and recommendations, I might also research on any available deals, discounts and make the purchase.

Link of situation with Data Analysis Process

1. **Plan:** I identify the use cases of the laptop and required features and the budget targets which defines the budget range for the purchase.
2. **Prepare:** I gather primary purpose with detailed specifications, such as processor, RAM, graphics card, OS etc. I collect data from different ecommerce websites of different laptop models within the price range.
3. **Process:** I analyze the collected data to make better decisions in purchasing the laptop. This involves comparing specifications, price, and reviews.
4. **Analyze:** I identify the trends in laptop specification and pricing across different brands and models. Compare the user reviews and ratings with its performance ensuring the best purchase decision. I even search for higher specifications under the budget evaluating cost-benefits.
5. **Share:** I summarize the analysis and share it with my friends or family members or mentors for feedback, with sharing of report I can get advice or recommendations based on the experience.

6. **Act:** I finalize my decision based on recommendations and make the purchase, I might check for any deals, discounts or cashback offers available. This analysis is used for purchasing the laptop and it shows that data analytics helps in making data driven decisions.