Project On Data Analytics Process Applications in Real Life Scenario Case Study / PDF

1)Description: Choosing a College/University for Higher Studies

Plan

First, I decide the criteria for selecting a college. These might include the course (Engineering, Medical, Arts, etc.), location, and reputation.

Prepare

Next, I check we budget for college tuition fees, living expenses, and how i will be able to manage finances. I also consider our entrance exam scores or eligibility requirements.

Process

Then, I collect data on available colleges, looking at their courses, fees, rankings, placements, and infrastructure. I usually gather this data from websites, reviews, and feedback from current or former students.

Analyze

I compare the collected data to see which colleges meet my needs. I consider factors like campus life, alumni network, and industry connections for future career prospects.

Share

Once I shortlist few colleges, I discuss them with my parents, teachers, or mentors to get feedback and recommendations. I might visit the campuses also.

Act

Finally, you make the decision and apply to the college that best fits your criteria, completing the application process with all necessary documents.

2)Description: Managing Personal Finances

Plan

You opt to cease spending your money monthly and its huge time value as well adding more goals like saving for a car or vacation.

Prepare

These may include your current income, monthly bills and any future financial commitments (loans, credit card repayments).

Process

You keep a budget by separating purchases as needs (rent, groceries) and wants (fun stuff, going out for dinner).

Analyze

So then you go over the data and see where you can cut back in order to spend your money on savings of investments instead. For example, you may find that cutting back on dining out would result in a significant change.

Share

You talk about your financial goals and how you have budgeted with family or a trusted professional to get their perspective on it.

Act

At last, you make a budget plan and follow it up then track how are actually to your financialcallable each months.

3)Description: Buying a New Laptop

Plan

I first decide why there is a need for a new laptop (for work, gaming purpose, College study, etc.) and the features I want (RAM, storage, processor).

Prepare

I set a budget for the laptop purchase and check available payment options, like EMI, discounts.

Process

I research different brands, models, and specifications. I read reviews, compare prices across multiple platforms, and look for warranty or after-sales services.

Analyze

I compare the features and prices to see which laptop offers the best value for my money. For instance, I might choose a laptop with higher RAM if I need it for programming or gaming.

Share

I consult with friends or tech experts through Youtube to validate your choice, ensuring that the laptop suits our needs.

Act

Finally, I purchase the laptop, considering offers or deals that make the most financial sense.

4)Description: Social Media News Feed Curation and Monitoring

Plan

Social media platforms (like Facebook, Instagram, or Twitter) decide to enhance user engagement by personalizing the content you see in your newsfeed. They plan to use your online behavior, interests, and interactions to tailor the experience.

Prepare

They start by gathering data on your activity. This includes tracking your likes, shares, comments, the posts you linger on, the accounts you follow, and even the type of content you tend to engage with (photos, videos, articles, etc.).

Process

Next, the platform processes this data to create a profile that predicts your interests. They analyze patterns such as: What topics are you most interested in? (e.g., sports, fashion)

What kind of content (videos, memes, articles) grabs your attention the most?

How long do you engage with different types of posts?

Analyze

The social media platform analyzes the data they've collected and processed. They use machine learning algorithms to predict your future actions. Based on past behavior, they can predict what

posts will keep you scrolling, what ads will appeal to you, and how to position content that will trigger more engagement.

Share

Once the analysis is done, the platform feeds this personalized content back to you. They "share" this by updating your newsfeed with posts and ads that are tailored specifically to your interests. You may notice your feed becoming more focused on certain topics, influencers, or brands.

Act

Finally, you act by continuing to interact with this curated content. The platform learns from every action—each like, comment, share, or even how long you view a post—and updates your feed accordingly. As a result, you're likely to see more of the same content.

This use of Data Analytics has both positive and negative social impacts:

5)Description: Planning a Small Business Startup

Plan

I decide on the type of business (café, e-commerce etc.) and my target audience.

Prepare

I calculate my initial investment, set a budget, and look into sources of funding (loans, savings, investors).

Process

I gather market data, conduct competitor analysis, and study customer needs. For instance, if I am opening a café, I might analyze nearby businesses and their menus.

Analyze

I evaluate your findings to choose a business location, marketing strategy, and product offerings that will maximize success.

Share

I present my business plan to investors, partners, or mentors for feedback and approval.

Act

Finally, I can execute the plan by renting a location, hiring staff, and launching the business.