PROJECT NAME: Covid-19 Cases Analysis

PROJECT DEFINTION: This data file provided will be having available public data on COVID-19. Each row/entry contains the number of new cases and deaths reported per day and by country in the EU/EEA. Compare and contrast the mean value and standard deviations of cases and associated deaths.

DESIGN THINKING:

1. Empathize:

Understand the stakeholders: Identify the key stakeholders, including healthcare workers, public health officials, policymakers, and the general public.

Conduct interviews and surveys: Gather insights from these stakeholders to understand their pain points, needs, and challenges related to COVID-19 case analysis.

Create personas: Develop personas representing different user groups to humanize their needs and preferences.

2. Define:

Identify the problem: Clearly define the problem statement, such as "How can we improve COVID-19 case analysis to support better decision-making and communication?"

Establish user needs: Summarize the key user needs and pain points discovered during the empathize stage.

3. Ideate:

Brainstorm solutions: Encourage a cross-functional team to generate as many ideas as possible for improving COVID-19 case analysis.

Use ideation techniques: Techniques like brainstorming, mind mapping, and role-playing can help foster creative ideas.

Prioritize ideas: Evaluate and prioritize ideas based on feasibility, potential impact, and alignment with user needs.

4. Prototype:

Create low-fidelity prototypes: Develop rough sketches, wireframes, or basic mockups of the proposed solutions. These should be quick and easy to modify.

Test with users: Gather feedback from representative users to understand how well the prototypes meet their needs and expectations.

Iterate: Based on user feedback, refine and improve the prototypes iteratively.

5. Test:

Develop high-fidelity prototypes: Create more polished and functional prototypes that closely resemble the final product.

Conduct usability testing: Test the high-fidelity prototypes with a larger user group to identify any remaining issues or areas for improvement.

Refine and finalize: Incorporate user feedback into the design, making necessary adjustments to the solution.

6. Implement:

Develop the final product: Based on the refined prototypes, build the COVID-19 case analysis solution.

Collaborate with developers and other stakeholders to ensure a smooth transition from design to implementation.

Monitor and address issues: Continuously monitor the system for bugs, performance issues, and user feedback, and address them promptly.

7. Evaluate:

Measure impact: Assess the effectiveness of the COVID-19 case analysis solution in meeting the defined objectives and improving decision-making and communication.

Gather user feedback: Continue to collect feedback from users and stakeholders to identify ongoing improvements.

Iterate and enhance: Use the feedback and data to make continuous improvements to the system, ensuring it remains responsive to changing needs and circumstances.