## COVID-19 using Cognos

**Phase 1: Problem Definition and Design Thinking**

**Project Definition:**

 The project involves analyzing COVID-19 cases and deaths data using IBM Cognos. The objective is to compare and contrast the mean values and standard deviations of cases and associated deaths per day and by country in the EU/EEA. This project encompasses defining analysis objectives, collecting COVID-19 data, designing relevant visualizations in IBM Cognos, and deriving insights from the data.

**Approach Design:**

**Project Execution Plan-**

1. Data Acquisition: Obtain the COVID-19 dataset from reliable sources, ensuring it covers the required time period and includes the specified attributes.

2. Data Preprocessing: Clean and format the data for analysis, addressing missing values, inconsistencies, and data quality issues.

3. IBM Cognos Setup: Configure IBM Cognos for data import and visualization creation.

4. Data Analysis: Calculate mean values and standard deviations for cases and deaths both on a daily and country-specific basis.

5. Visualization Creation: Design and create interactive dashboards and visualizations to present the analysis results.

6. Insights Generation: Interpret the visualizations, draw meaningful insights, and document the findings.

7. Report and Documentation: Prepare a comprehensive report documenting the entire analysis process, including objectives, data sources, methodology, and insights using IBM Cognos

8. Iterate and Refine: Collect feedback from stakeholders and refine the analysis and visualizations as needed.

By following this project plan, we aim to gain a deeper understanding of the COVID-19 pandemic's impact on EU/EEA countries, enabling informed decision-making and response strategies.