

What to Expect?

The Problem Definition

A problem definition offers a case for showcasing your acquired skills of data management, analysis and reporting of your results. Teams must create enough to create a problem area from the datasets provided!

We provide Datasets & Context!

It requires a logical connect of all the provided facts and inputs to bring answers to specific queries in the problem statement.

The Context

The problem essentially shall provide:

- The underlying context
- Required data sets in raw and often normalized form.
- A generic direction for the analysis to follow.

What skills would be built and tested?

The problem statement is designed to build and test:

- Data Management and Data Manipulation skills
- Approach to solve problem in Business Analytics Context
- Data Visualization Skills
- Overall conclusion drawn from the data analysis.

Overview & Expectations

What kind of Problem to Expect?

One should expect an Industry/Economic problem the solution to which lies hidden in myriad data sets. It doesn't call for a great knowledge of any industry specific domain or context.

One may expect a problem not limited to the following list (Indicative):

- Basic Analysis
- Advance Analysis
- Dashboard with compelling Visualizations

What might be evaluated?

Essentially the assessment is based on **the creativity and analytical skills** deployed. The evaluation may happen around following steps or activities based on the results and coding steps submitted. These areas are largely focused around following key areas:

- Data Preparation
- Data Visualization and Analysis
- Results Consolidation

What skill sets might be required??



For preparation candidates are advised to build skills and awareness of following skills:

- SAS Studio Usage: SAS Data step programming including merge statements ,SAS Procs for modelling and Interpretation
- SAS Visual Analytics

Software Access

SAS Studio

It's the foundation for all SAS software. Along with an easy-to-learn, flexible programming language, you get a web-based programming interface; ready-to-use programs for data manipulation, information storage and retrieval, descriptive statistics, and reporting; a centralized metadata repository; and a macro facility that reduces programming time and maintenance headaches.

SAS Visual Analytics

Visually explore critical drivers for making better decisions. Find out why something happened. Examine all options and uncover opportunities hidden deep in your data. Automatically highlight key relationships, outliers, clusters and more, revealing vital insights that inspire action.

Expected Outcomes

- Approach Note & Presentation story line
- Usage of graphics
- Presentation and communication skills
- Concluding slides
- Q & A by Mentor

Problem definition

- Objective
- Approach:
- Data Exploration: data derivation, data modification,
- Data Deduction, reductions
- Data Analysis
- Results and Conclusions
- Implications