100% Assignment  
Assignment outline

This individual 3,000 word assessment is worth 100% of the module marks in which   
you are required to submit a detailed two part report highlighting the   
significance of data analytics to businesses.

**Scenario:**   
You have been invited by the senior board of directors to submit a detailed   
business case for investing into specialist data analytics software to support   
business operations at your company. The company and senior management are   
optimistic, however given a lack of experience in Business Intelligence and Data   
Analytics, they are unsure of its true value. Therefore, your aim is to demonstrate how   
data analytics can help the organisation become more agile and derive value in   
various areas of the business, whilst also considering challenges associated with   
its implementation.   
The assessment consists of two parts:   
**Part A (1,250 words) (Part A is worth 30% of the module marks)**  
(i) Provide a literature review addressing the present and future role of data   
analytics for businesses.   
In part A you are required to draw upon the relevant topics from this module and   
through wider reading present a critical literature review which discusses the   
current and future trends, challenges and opportunities of data analytics for   
businesses. You are expected to focus on a particular sector in your assignment.

**Part B (1,750 words) (Part B is worth 60% of the module marks)**  
(ii) Through the skills gained during the SAS lab sessions, address specific   
business scenarios and provide actionable insights from the data in a   
clear and concise manner through;  
(a) generating relevant business scenarios (10%)  
(b) analysing data in SAS which addresses your business scenarios (20%)  
(c) recommending decisions based on your analysis (30%)

In part B, you are expected to analyse data and show evidence of your data   
querying and reporting abilities by performing any of the following tasks relevant to   
your chosen scenarios:  
• Importing Data Files  
• Introduction to Tasks and Wizards  
• Creating a Frequency Report Generating HTML, PDF, and RTF Output  
• Creating a Listing Report  
• Filtering Data in a Task  
• Creating a Graph  
• Filtering and Sorting Data  
• Creating New Columns with an Expression  
• Grouping and Summarizing Data in a Query  
• Joining Tables  
• Generating Summary Statistics  
• Creating a Summary Report with the Summary Tables Task  
• Prompting in Projects  
• Creating and Using Prompts in Tasks  
• Creating and Using Prompts in Queries  
• Combining Results  
• Updating and Organizing Projects  
You are expected to incorporate your analysis in the main body of your report and   
in the appendices section, where relevant. You MUST place emphasis on your   
ability to evaluate and interpret your analysis, whilst providing insights into how the   
analysed data promotes decisions and recommendations. The business scenarios   
CANNOT be identical to those performed during the lab sessions. Although diverse   
data-sets will be provided to choose from, you are responsible for providing   
contextual details where relevant, including a company name of your choice.  
Finally remember, this report is being submitted to the CEO and senior   
management of your company, therefore it should be structured accordingly, as a   
professional business report

**(Overall presentation and structure is worth 10%)**