GOVERNMENT POLYTECHNIC KADUR

COMPUTER SCIENCE & ENGINEERING

ONLINE COURSE: SAS BUSINESS ANALYTICS FOR BEGINNERS

SUBMITTED BY:

NAME: SANJAY.S

REG NO: 197CS23046

SEM: 5TH SEM

YEAR: 3RD YEAR

MARKS OBTAINDE:

SIGNATURE:

Course overview:

PROGRAM	COMPUTER SCIENCE &ENG	COURSE DURATION	**11h 22m**
COURSE NAME	SAS BUSINESS ANALYTICS FOR BEGINNERS	COURSE LEVEL	BEGINNER
COURSE PROVIDER	INFOSYS SPRINGBOARD	AUTHOR	KRISHNENDU CHAKRABORTY

LEARNING SAS BUSINESS ANALYTICS FOR BEGINNERS COURSE IN INFOSIS SPRINGBOARD

Infosys Springboard: An overview

Infosys Springboard is a free online learning and up skilling platform developed by Infosys, a global IT services and consulting company. The program aims to empower individuals, communities, and society with digital and life skills for success in the 21st century. It operates under Infosys's CSR (Corporate Social Responsibility) commitment and ESG (Environmental, Social, and Governance) vision to enable digital skills at scale.

Accessing Infosys Springboard:

Users can register and access the platform by visiting the Infosys Springboard portal and signing in with their email ID or Gmail account.

In essence, Infosys Springboard is a comprehensive digital ecosystem that aims to equip individuals with the skills and knowledge needed to thrive in the digital age, fostering a more skilled and empowered society.

TABLE OF CONTENT:

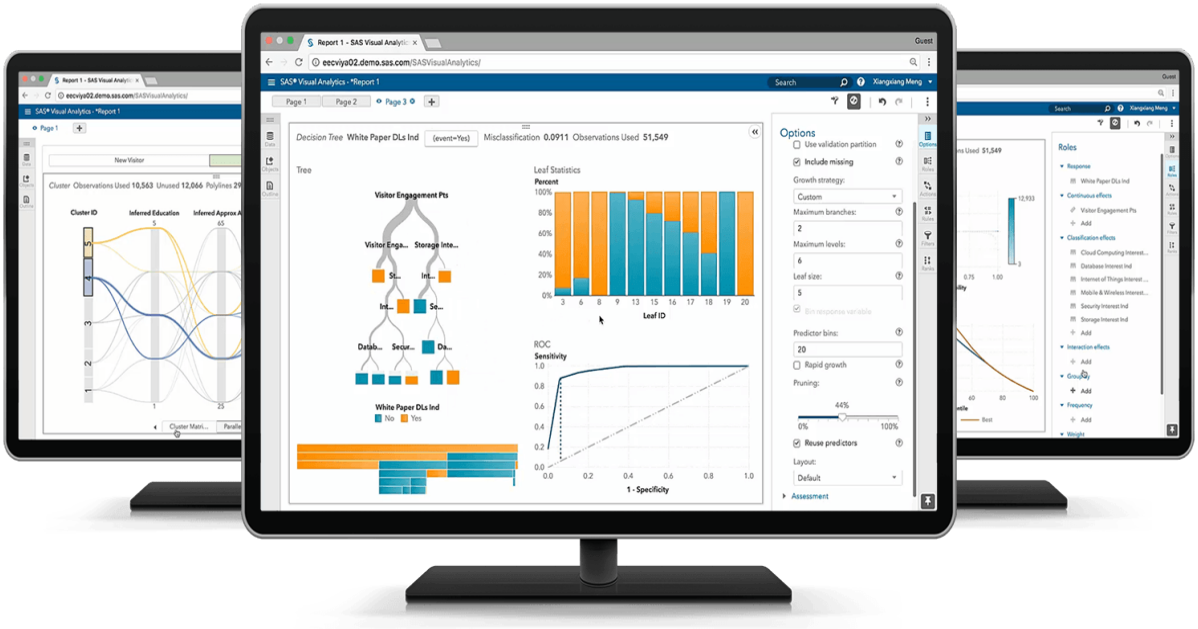
	➢ Use of the Length Statement ➢ Data Step Processing ➢ Compilation Phase	
4.	**DATA VALIDATION AND CLEANING** ➢ Introduction to Data Validation and Cleaning ➢ Where Statement ➢ Logical and Arithmetic Operators ➢ LIKE Operators ➢ Addition Controlling Data ➢ SAS Formats ➢ Example Formatting Data Value	56m 32s
5.	**DATA MANIPULATION** ➢ Introduction to Data Manipulation ➢ The Sum Function ➢ Group Processing ➢ Quiz Answer ➢ Creating Variables Conditionally ➢ Logical Operators ➢ Sub Setting Variables and Observations ➢ Do Loop and SAS Arrays ➢ Two Dimensional Array Declaration ➢ Method of Combining ➢ Concatenating with Proc Append Procedure ➢ Merging ➢ One to Many Merge ➢ Final Results ➢ Output Statement	2h 2m
6.	**DATA TRANSFORMATION** ➢ Introduction to Data Transformation	1h 45m

	➢ Other Character Function ➢ SUBSTR Function ➢ Replacing Text Using SUBSTR ➢ Index Function ➢ Numeric Function ➢ The Round Function Example ➢ Data Function ➢ INTCK Function ➢ INTCK Function Continue ➢ MCQ ➢ MCQ Continue	
7.	**REPORT GENERATION** ➢ Introduction to Report Generation ➢ SAS System Option ➢ The Footnote Statement ➢ Assigning Temporary Labels ➢ Closing Default Output Destination ➢ Creating Customize Report Using PROC Report ➢ Class Statement ➢ Proc Means VS Proc Summary ➢ Producing Frequency Table Using ➢ Creating Table and List Format ➢ Creating Tabular Report	1h 53m
8.	**ASSESSMENT**	1h

LEARNING ON SAS BUSINESS ANALYTICS FOR BEGINNERS

SAS Business Analytics refers to the suite of software and solutions offered by SAS Institute for analyzing data and gaining business insights. It encompasses various tools and technologies designed to help organizations make informed decisions by exploring, analyzing, and visualizing data. SAS Business Analytics leverages advanced analytics, including machine learning and artificial intelligence, to help users identify trends, patterns, and relationships within their data.

While SAS Business Analytics remains a powerful and widely used solution, especially in industries requiring high regulatory compliance like healthcare, it faces competition from other analytics and business intelligence platforms. Some popular alternatives include:

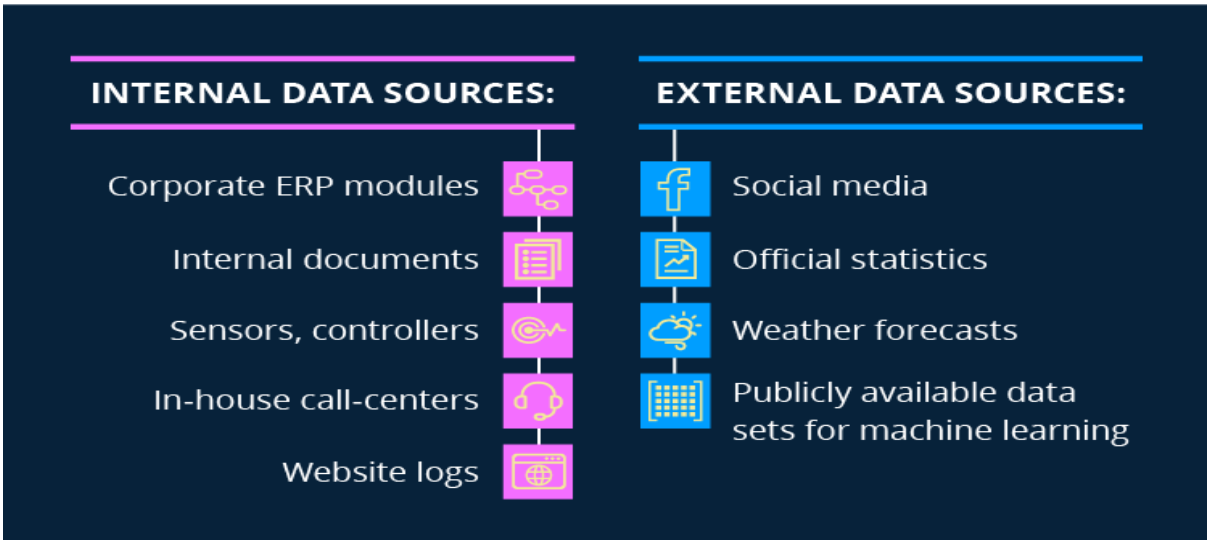


INTRODUCTION TO SAS:

SAS, which stands for Statistical Analysis System, is a software suite developed by SAS Institute for advanced analytics, data management, and business intelligence. It's widely used for statistical analysis, data mining, and application development

INTERNAL AND EXTERNAL DATA SOURCE

- Records of sales transactions, including product information, quantities sold, and revenue generated**.**
- Information about customers, such as demographics, purchase history, and preferences**.**
- Statistics and reports published by government agencies on various topics, such as population, economy, and industry**.**



CONCLUSION:

SAS business analytics provides organizations with powerful tools to analyze data, gain insights, and make informed decisions. Its comprehensive suite of features, including data integration, statistical analysis, and predictive modelling enables businesses to understand trends, identify opportunities, and optimize performance.