VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

R PROGRAMMING MINI PROJECT REPORT ON
EXPLORATORY DATA ANALYSIS OF SPEED AND STOPPING DISTANCE OF CARS
IN
COMPUTER SCIENCE AND DESIGN

By

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CERTIFICATE

This is to certify that the Mini Project entitled **"EXPLORATORY DATA ANALYSIS OF SPEED AND STOPPING DISTANCE OF CARS"** has been successfully completed by

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the bona fide students of **Department of Computer Science & Design, Alva's Institute of Engineering and Technology** in **DEPARTMENT OF COMPUTER SCIENCE & DESIGN** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the Bachelor of Engineering Degree.

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ABSTRACT

In this project, we leverage R programming to conduct exploratory data analysis and visualization on demographic and economic data. The dataset, sourced from an Excel file, contains information on Birthrate, Internet users, and Income Group for numerous countries. Our goal is to delve into this data and uncover insights regarding global demographic and economic trends. Through the use of histograms, we visually represent the distributions of Birthrate and Internet users across the countries in our dataset. Additionally, we employ a bar graph to elucidate the distribution of countries among various Income Groups. These visualizations provide a comprehensive overview of the demographic and economic landscape, offering valuable insights into regional disparities and developmental trends. By harnessing R's data visualization capabilities, we facilitate the interpretation of complex datasets, enabling stakeholders to make informed decisions and identify areas for further analysis or intervention. This project underscores the power of R in transforming raw data into actionable insights, thereby contributing to our understanding of global demographics and economics.