

R Programming - Take-Home Questions

Q1. Perform the following tasks:

- I. Create a vector of length 4 using seq() function and showcase how to access the elements using numeric indexes, logical indexes and character indexes.
- II. Load the in-built dataset called trees, that consists of measurements of the girth, height, and volume of 31 black cherry trees and display rows where height is greater than 82

Q2. For the 'StudentsPerformance' dataset, perform the following tasks:

- I. Analyze the student's performance in exams and write your own observations about the students and plot the results
- II. Create a function to remove outliers using the IQR method

Q3. For the given 'chinook' database, perform the following tasks:

- I. Connect to the above database and convert all the tables into data frame
- II. Print the different types of music available
- III. List out all the artists from the entire database
- IV. List out all the countries where the customer resides and plot a bar graph showing the number of customers from the respective country