Data Manipulation - Dplyr

Prashanth.S (19MID0020)

Questions

Perform the following operations on the attached file using methods available in the dplyr library

- 1) Select the first three columns
- 2) Select all columns except the species column
- 3) Select all the rows where both diameter and height are greater than 20
- 4) Arrange the rows by height
- 5) Arrange the rows by Species and then by height
- 6) Create a new column by dividing the leafarea with branchmass
- 7) Find the average diameter for each species
- 8) Create a new data frame containing 10th to 35th rows of the data

Code □ □ 4 p > x ? ● PRASHANTH S 19MID0020 ▼ Description ★ dplyr_library.R 🛭 Allometry.csv 🕄 Perform the following operations on the attached file using methods available in the dplyr library 4 df=read.csv("Allometry.csv") 6 ## 1st 3 columns 7 ans1 <- data f ans1 <- data.frame(df %>% select(c(1:3))) 8 #head(ans1) 10 ## exclude the species colum 2) Select all columns 11 ans2 <- data.frame(df %>% select(-species))
12 #head(ans2) ## take out the rows where the (diameter and height) > 20 15 ans3 <- (df %>% filter(diameter > 20 & height > 20)) 3) Select all the rows and height are greater than 20 # arnsa fansa fans 4) Arrange the rows by height 5) Arrange the rows by Species and then by height by dividing the leafarea with branchmass 7) Find the average diameter for each species 8) Create a new data frame containing 10th to 35th rows of the data 34 35 ## 10 to 35 row of the data 36 ans8 = df %>% slice(10:35) 37 #ans8 https://moovit.vit.ac.in/



Mam, I implemented the code in moodle as-well as in RStudio also. In-order to avoid confusion with continuous output, I am including my implementation in RStudio also.