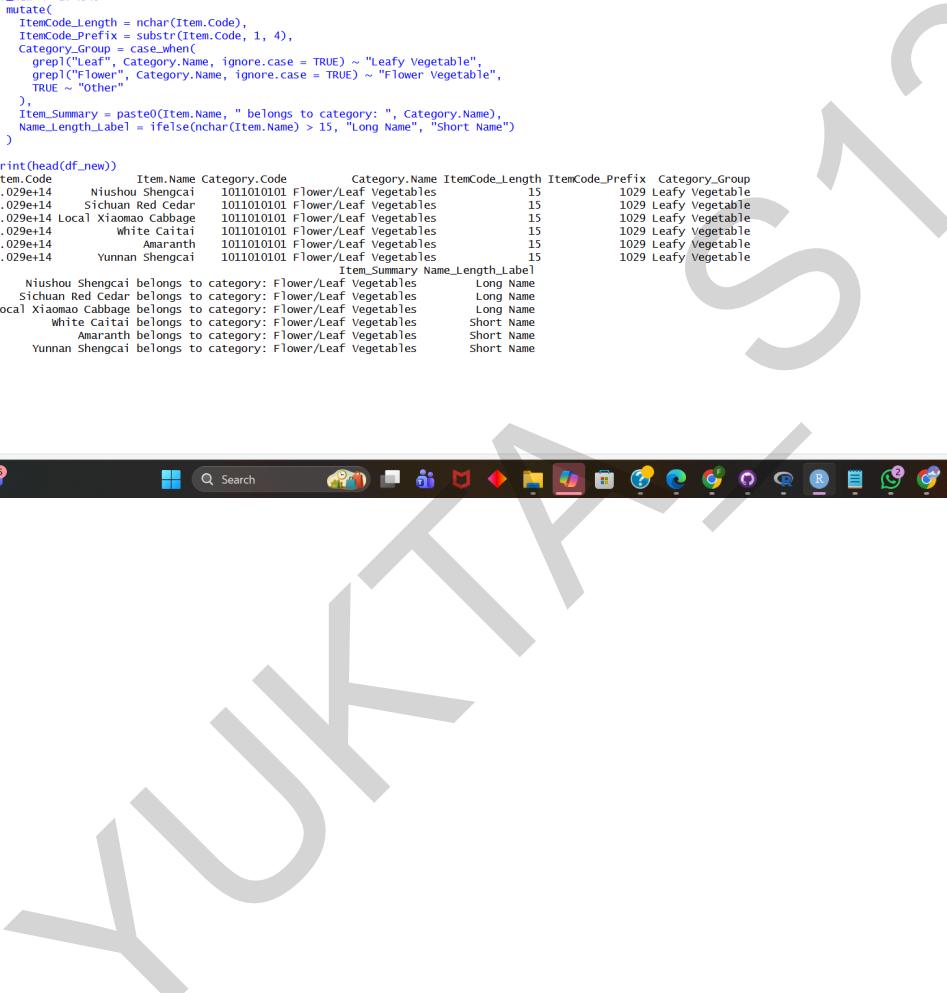


SHETH L.U.J AND SIR M.V COLLEGE

Aim: Creating new variables using transformations and calculations in R. import dataset.



RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Console Terminal Background Jobs
R + R4.5.2 ->
> library(dplyr)
> library(tidyverse)
>
> df <- read.csv("annex1.csv", na.strings = c("", "NA"))
>
> df_new <- df %>%
> mutate(
> ItemCode_Length = nchar(Item.Code),
> ItemCode_Prefix = substr(Item.Code, 1, 4),
> Category_Group = case_when(
> grep("Leaf", Category.Name, ignore.case = TRUE) ~ "Leafy Vegetable",
> grep("Flower", Category.Name, ignore.case = TRUE) ~ "Flower Vegetable",
> TRUE ~ "Other"
>),
> Item_Summary = paste0(Item.Name, " belongs to category: ", Category.Name),
> Name_Length_Label = ifelse(nchar(Item.Name) > 15, "Long Name", "Short Name")
>)
>
> print(head(df_new))
Item.Code Item.Name Category.Code Category.Name ItemCode_Length ItemCode_Prefix Category_Group
1 1.029e+14 Niushou Shengcai 1011010101 Flower/Leaf Vegetables 15 1029 Leafy Vegetable
2 1.029e+14 Sichuan Red Cedar 1011010101 Flower/Leaf Vegetables 15 1029 Leafy Vegetable
3 1.029e+14 Local Xiaomao Cabbage 1011010101 Flower/Leaf Vegetables 15 1029 Leafy Vegetable
4 1.029e+14 White Caitai 1011010101 Flower/Leaf Vegetables 15 1029 Leafy Vegetable
5 1.029e+14 Amaranth 1011010101 Flower/Leaf Vegetables 15 1029 Leafy Vegetable
6 1.029e+14 Yunnan Shengcai 1011010101 Flower/Leaf Vegetables 15 1029 Leafy Vegetable
1 Niushou Shengcai belongs to category: Flower/Leaf Vegetables Long Name
2 Sichuan Red Cedar belongs to category: Flower/Leaf Vegetables Long Name
3 Local Xiaomao Cabbage belongs to category: Flower/Leaf Vegetables Long Name
4 White Caitai belongs to category: Flower/Leaf Vegetables Short Name
5 Amaranth belongs to category: Flower/Leaf Vegetables Short Name
6 Yunnan Shengcai belongs to category: Flower/Leaf Vegetables Short Name
> |
Environment History Connection
F Global Environment
df_new 251 obs. of 9 v...
droppe_ 251 obs. of 2 v...
droppe_ 251 obs. of 3 v...
droppe_ 251 obs. of 4 v...
Final_ 7 obs. of 4 var...
housing 251 obs. of 4 v...
market 251 obs. of 8 v...
market_ 251 obs. of 4 v...
market_ 251 obs. of 10 ...
Files Plots Packages Help V
C:\Users\yukta\R_Prog_S120...
Name
animal.xlsx
annex1.csv
creditcard.csv
creditcard.xlsx
hackathon
p1_S120.R
p1.R
P2_S120.R
P3_S120.R
P4_S120.R
P6_S120.R
PCOS_data.csv
R-4.5.2-win.exe
RStudio-2025.09.2-418.exe
StudentsPerformance (1).csv
StudentsPerformance (1).xlsx
ENG IN 12:59
01-12-2025