

R-Pivot-Table.R

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###
#   title: "R-Pivot Table"
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# date: "5/20/2021"
# output:
#   html_document:
#   df_print: paged
# ###

PivatTable<-function(d1){
  if( ! require("dplyr")) {install.packages("dplyr")} + library(dplyr)
  if( ! require("svDialogs")) {install.packages("svDialogs")} + library(svDialogs)
  if( ! require("readall")) {install.packages("readall")} + library(readall)

  d1<-Readfile()
  d2<-names(d1)
  #####Select Columns
  coln<-dlg_list(d2,title = "Select Columns", multiple = TRUE)$res

  #####Select value
  value<-dlg_list(d2,title = "Select Value", multiple = TRUE)$res

  #####Filter Value
  column <- dlg_list(d2,title = "Select Column filter", multiple = TRUE)$res
  if (!length(column)) {
    cat("You cancelled the choice\n")
  } else {
    column<-unique(d1[,column])
    fltval<-dlg_list(column,title = "Select filter Value", multiple = TRUE)$res
  }

  #####Summarise value by
  form<-c("1.Sum", "2.Count", "3.Average", "4.Max", "5.Min", "6.Product", "7.Varience")
  summbby<-dlg_list(form,title = "Summarise value by-", multiple = F)$res

  if (summbby=="1.Sum") {
    dt<-d1 %>%filter(get(column)==fltval[1]|get(column)==fltval[2]|get(column)==fltval[3]|get(column)==fltval[4]|get(column)==fltval[5]|get(column)==fltval[6]|get(column)==fltval[7])
  } else if (summbby=="2.Count") {
    dt<-d1 %>% group_by_(.dots=coln)%>%filter(get(column)==fltval[1]|get(column)==fltval[2]|get(column)==fltval[3]|get(column)==fltval[4]|get(column)==fltval[5]|get(column)==fltval[6]|get(column)==fltval[7])
  }
}
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} else if(summby=="3.Average") {
  dt<-d1 %>% group_by_(.dots=coln)%>%filter(get(column)==fltval[1]|get(column)==fltval[2]|get(column)==f
} else if(summby=="4.Max") {
  dt<-d1 %>% group_by_(.dots=coln)%>%filter(get(column)==fltval[1]|get(column)==fltval[2]|get(column)==f
} else if(summby=="5.Min") {
  dt<-d1 %>% group_by_(.dots=coln)%>%filter(get(column)==fltval[1]|get(column)==fltval[2]|get(column)==f
} else if(summby=="6.Product") {
  dt<-d1 %>% group_by_(.dots=coln)%>%filter(get(column)==fltval[1]|get(column)==fltval[2]|get(column)==f
} else if(summby=="7.Varience") {
  dt<-d1 %>% group_by_(.dots=coln)%>%filter(get(column)==fltval[1]|get(column)==fltval[2]|get(column)==f
}
return(dt)
}

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