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| R version 3.5.2 (2018-12-20) -- "Eggshell Igloo"  Copyright (C) 2018 The R Foundation for Statistical Computing  Platform: x86\_64-w64-mingw32/x64 (64-bit)  R is free software and comes with ABSOLUTELY NO WARRANTY.  You are welcome to redistribute it under certain conditions.  Type 'license()' or 'licence()' for distribution details.  R is a collaborative project with many contributors.  Type 'contributors()' for more information and  'citation()' on how to cite R or R packages in publications.  Type 'demo()' for some demos, 'help()' for on-line help, or  'help.start()' for an HTML browser interface to help.  Type 'q()' to quit R.  [Workspace loaded from ~/.RData]  > library(readxl)  > Dataset <- read\_excel("C:/Users/Marta/Desktop/Dataset.xls",  + col\_types = c("blank", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric",  + "numeric", "numeric", "numeric"))  `col\_type = "blank"` deprecated. Use "skip" instead.  > View(Dataset)  > x<-data.frame(Dataset)  > library(clusterSim)  Ładowanie wymaganego pakietu: cluster  Ładowanie wymaganego pakietu: MASS  > z<-data.frame(data.Normalization(x,type = "n8",normalization = "column"))  > View(z)  > library(dplyr)  Dołączanie pakietu: ‘dplyr’  Następujący obiekt został zakryty z ‘package:MASS’:  select  Następujące obiekty zostały zakryte z ‘package:stats’:  filter, lag  Następujące obiekty zostały zakryte z ‘package:base’:  intersect, setdiff, setequal, union  > CIcountries<-data.frame(mutate(z,'CI2005'=(x11.2005+x12.2005+x13.2005+x14.2005+x15.2005)/5,'CI2006'=(x11.2006+x12.2006+x13.2006+x14.2006+x15.2006)/5,'CI2007'=(x11.2007+x12.2007+x13.2007+x14.2007+x15.2007)/5,'CI2008'=(x11.2008+x12.2008+x13.2008+x14.2008+x15.2008)/5,'CI2009'=(x11.2009+x12.2009+x13.2009+x14.2009+x15.2009)/5,'CI2010'=(x11.2010+x12.2010+x13.2010+x14.2010+x15.2010)/5,'CI2011'=(x11.2011+x12.2011+x13.2011+x14.2011+x15.2011)/5,'CI2012'=(x11.2012+x12.2012+x13.2012+x14.2012+x15.2012)/5,'CI2013'=(x11.2013+x12.2013+x13.2013+x14.2013+x15.2013)/5,'CI2014'=(x11.2014+x12.2014+x13.2014+x14.2014+x15.2014)/5,'CI2015'=(x11.2015+x12.2015+x13.2015+x14.2015+x15.2015)/5,'CI2016'=(x11.2016+x12.2016+x13.2016+x14.2016+x15.2016)/5,'CI2017'=(x11.2017+x12.2017+x13.2017+x14.2017+x15.2017)/5))  > write.csv(CIcountries,'CIcountries.csv') |
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The same procedure was applied for other data from file „Dataset.xls”. All results are saved in Excel file Composite Indicators.xls