use\_case.3.1.R

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2019-08-28

#...................................................................................#  
#  
# USE CASE 1 example  
#  
# Import csv FADN data  
#  
#...................................................................................#  
  
  
  
# In order to use fadnUtils, we must load fadnUtils and data.table  
library(fadnUtils)  
library(data.table)  
  
  
# .............. CREATE data.dir ...................................................#  
  
# fadnUtils always work with a user defined data.dir  
# Let's assume that the user has not created one yet.  
# The following line creates a data.dir folder somewhere in our computer  
# We must also have created the raw\_str\_map.file and pass it as an argument  
# to the function. This file is copied to the data.dir folder. Thus, we can  
# see the structure of the data contained in a data.dir folder by inspecting  
# the raw\_str\_map.file residing in it.  
create.data.dir(  
 folder.path = "H:/IFM-CAP/sample.fadnutils.dir",  
 raw\_str\_map.file = "H:/IFM-CAP/version2/data/raw\_str\_map.after2013\_var\_names.json"  
)  
  
#Once the data.dir is created, we must declare that we are working with it  
set.data.dir(  
 "H:/IFM-CAP/sample.fadnutils.dir"  
)  
  
  
  
# .............. IMPORT DATA IN A SINGLE STEP ......................................#  
  
# In order to import the FADN csv files, the simplest way is  
# to use import.fadn.csv.  
# We provide the full pat of the csv file and explicitly state  
# the country and the year this file is refering to.  
import.fadn.csv(  
 file.path = "H:/IFM-CAP/dg\_agri\_csv/ELL2007.csv", #full path of the cvs file  
 fadn.country = "ELL",  
 fadn.year = 2007  
)  
  
# We can import many files (countries, years) in a single data.dir  
import.fadn.csv(  
 file.path = "H:/IFM-CAP/dg\_agri\_csv/ESP2007.csv", #full path of the cvs file  
 fadn.country = "ESP",  
 fadn.year = 2007  
)  
  
  
#At any time, we can check for the current data dir, what csv files (countries, year)  
# are loaded.  
show.data.dir.contents()  
  
  
  
# .............. IMPORT DATA IN TWO STEPS ..........................................#  
  
# However you can import the file in two steps, one for converting  
# the csv to fadn.raw.str (csv-data to raw r-data) and  
# one for converting the fadn.raw.rds to fadn.str.rds (raw r-data  
# to structured r-data).  
  
  
#step 1, convert csv to fadn.raw.rds  
convert.to.fadn.raw.rds(  
 file.path = "H:/IFM-CAP/dg\_agri\_csv/ELL2015.csv",  
 fadn.country = "ELL",  
 fadn.year = 2015  
)  
  
  
  
# If you check what exists in the data.dir, you will see that  
# only the fadn.raw.rds of ELL-2008 exist  
show.data.dir.contents()  
  
  
  
#Step 2, convert fadn.raw.rds to fadn.str.rds  
convert.to.fadn.str.rds(  
 fadn.country = "ELL",  
 fadn.year = 2015  
)  
  
  
#check what is loaded  
show.data.dir.contents()  
  
  
  
# .............. RECALCULATE STRUCTURED DATA ......................................#  
  
# Let's say that  
  
overwrite.raw\_str\_map.file(  
 data.dir = "",  
 new.raw\_str\_map.file = ""  
)