

# Populate sample-xpt directory with example file in SAS transport xpt format

*mja@statgroup.dk*

*2016-04-29*

## Contents

Populate sample-xpt with example file in SAS transport xpt format

1

## Populate sample-xpt with example file in SAS transport xpt format

This script downloads example files from phuse script repository (<https://github.com/phuse-org/phuse-scripts>) and stores the files in the corresponding example directory.

```
library(rrdf)
library(tools)
devtools::load_all(pkg="../..")
```

```
## Loading rrdfqbcindex
```

```
repositoryURL<- "https://raw.githubusercontent.com/phuse-org/phuse-scripts/master/data/adam/cdisc"

fnadae<- file.path( system.file("extdata/sample-xpt", package="rrdfqbcindex"), "adae.xpt" )
message("Downloading to ", fnadae )
```

```
## Downloading to /home/ma/projects/rrdfqbcindex0/rrdfqbcindex/inst/extdata/sample-xpt/adae.xpt
```

```
downloadURL<-paste0(repositoryURL, "/", "adae.xpt")
message("Downloading from ", downloadURL )
```

```
## Downloading from https://raw.githubusercontent.com/phuse-org/phuse-scripts/master/data/adam/cdisc/ad
```

```
download.file( downloadURL, fnadae, method="curl")

fnadsl<- file.path( system.file("extdata/sample-xpt", package="rrdfqbcindex"), "adsl.xpt" )
message("Downloading to ", fnadsl )
```

```
## Downloading to /home/ma/projects/rrdfqbcindex0/rrdfqbcindex/inst/extdata/sample-xpt/adsl.xpt
```

```
downloadURL<-paste0(repositoryURL, "/", "adsl.xpt")
message("Downloading from ", downloadURL )
```

```
## Downloading from https://raw.githubusercontent.com/phuse-org/phuse-scripts/master/data/adam/cdisc/ad
```

```
download.file( downloadURL, fnadsl, method="curl")
```

```
if (require(foreign)) {  
  fnadae<- system.file("extdata/sample-xpt", "adae.xpt", package="rrdfqbcindex")  
  message("Reading SAS transport file ", fnadae )  
  adae<-read.xport(fnadae)  
  fnadsl<- system.file("extdata/sample-xpt", "adsl.xpt", package="rrdfqbcindex")  
  message("Reading SAS transport file ", fnadsl )  
  adsl<-read.xport(fnadsl)  
  
  ## sasxport.get should create dataset with dates  
  ## lookup.xport(fnadsl)  
  ## adslX<- Hmisc::sasxport.get(fnadsl,format=lookup.xport(fnadsl))  
  ## adslX<- Hmisc::sasxport.get(fnadsl,format=lookup.xport(testFile)$FORMAT)  
  ## adslX<- Hmisc::sasxport.get(fnadsl,method="sas")  
  ## names(adslX)  
  ## str(adslX$trtsdt)  
  
  ## this works as expected  
  ## testFile <- system.file('extdata', 'test2.xpt', package="SASxport")  
  ## w<-Hmisc::sasxport.get(testFile)  
  ## str(w$test)  
  
  ## looks like it is easier to do own data conversion  
  ## str(head(Hmisc::importConvertDateTime(adsl$TRTSDT, "date", "sas")))  
}
```

```
## Reading SAS transport file /home/ma/projects/rrdfqbcindex/inst/extdata/sample-xpt/adae.xpt
```

```
## Reading SAS transport file /home/ma/projects/rrdfqbcindex/inst/extdata/sample-xpt/adsl.xpt
```

The following code is not evaluated, as the dates are not processed as expected.

TODO(mja): get numeric variables with date format converted to a R date object.

```
if (require(SASxport)) {  
  
  fnadsl<- system.file("extdata/sample-xpt", "adsl.xpt", package="rrdfqbcindex")  
  message("Reading SAS transport file ", fnadsl, include.formats=TRUE )  
  print(SASxport::lookup.xport(fnadsl))  
  adsl<-SASxport::read.xport(fnadsl, include.formats=TRUE,verbose=TRUE)  
  ## do not understand why this is not a date  
  ## running the example for SASxport::read.xport  
  ## testFile <- system.file('extdata', 'test2.xpt', package="SASxport")  
  ## w <- read.xport(testFile)  
  ## class(w)  
  ## sapply(w, head)  
  ## shows SAS date times are imported as DATETIME  
  ## w$TEST$DT1  
  ## but SAS date are not imported  
  ## w$TEST$D1  
  str(adsl$ADSL$TRTSDT)
```

```
fnadae<- system.file("extdata/sample-xpt", "adae.xpt", package="rrdfqbcindex")
message("Reading SAS transport file ", fnadae )
print(SASxport::lookup.xport(fnadae))
adae<-SASxport::read.xport(fnadae, include.formats=TRUE)
str(adae)

}
```