Create DEMO table as csv file

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Contents

Create turtle version of example files

This script creates the result and codelist for a simple DEMO table.

```
library(rrdfancillary)
library(rrdfcdisc)
library(rrdfqb)
library(rrdfqbcrnd0)
devtools::load_all(pkg="../..")
```

```
## Loading rrdfqbcrndex
```

All files are stored in the directory

```
targetDir<- system.file("extdata/sample-rdf", package="rrdfqbcrndex")
(targetDir)
```

```
## [1] "/home/ma/projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf"
```

RDF data cubes specified in workbook

First, get the workbook.

```
RDFCubeWorkbook<- system.file("extdata/sample-cfg", "RDFCubeWorkbook.xlsx", package="rrdfqbcrndex")
(RDFCubeWorkbook)
```

```
## [1] "/home/ma/projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-cfg/RDFCubeWorkbook.xlsx"
```

Create the DM sample cube.

```
dm.cube.fn<- BuildCubeFromWorkbook(RDFCubeWorkbook, "DM" )
```

```
## dimName   trt01a
## dimName   sex
## dimName   saffl
## dimName   procedure
## dimName   factor
## dimName   race
```

```
cat("DM cube stored as ", dm.cube.fn, "\n")
```

```
## DM cube stored as  /tmp/Rtmp0Yi1yZ/DC-DM-R-V-0-5-2.ttl
```

```
targetFile<- file.path(targetDir,"DC-DM-sample.ttl")

if (file.copy( dm.cube.fn, targetFile, overwrite=TRUE)) {
  cat("DM cube copied to ", normalizePath(targetFile), "\n")
}
```

```
## DM cube copied to  /home/ma/projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DC-DM-sample.t
```

Create the AE sample cube.

```
ae.cube.fn<- BuildCubeFromWorkbook(RDFCubeWorkbook, "AE" )
```

```
## dimName   trta
## dimName   saffl
## dimName   aesoc
## dimName   aedecod
## dimName   procedure
## dimName   factor
```

```
cat("AE cube stored as ", ae.cube.fn, "\n")
```

```
## AE cube stored as  /tmp/Rtmp0Yi1yZ/DC-AE-R-V-0-5-2.ttl
```

```
targetFile<- file.path(targetDir,"DC-AE-sample.ttl")
if (file.copy( ae.cube.fn, targetFile, overwrite=TRUE)) {
  cat("AE cube copied to ", normalizePath(targetFile), "\n")
}
```

```
## AE cube copied to  /home/ma/projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DC-AE-sample.t
```

RDF data cube in csv files

```
demoObsDataCsvFn<- system.file("extdata/sample-cfg", "demo.AR.csv", package="rrdfqbcrndex")
demoObsData <- read.csv(demoObsDataCsvFn,stringsAsFactors=FALSE)

##TODO add measurefmt; quick hack - affects vignettes/cube-from-workbook.Rmd and
##TODO inst/data-raw/create-qb-examples-as-ttl.Rmd
```

```
if (!( "measurefmt" %in% names(demoObsData))) {
demoObsData$measurefmt<- "%6.1f"
demoObsData$measurefmt[ demoObsData$procedure %in% c("n", "nmiss", "count") ]<- "%6.0f"
## sprintf( demoObsData$measurefmt, demoObsData$measure)
}

demoMetaDataCsvFn<- system.file("extdata/sample-cfg", "DEMO-Components.csv", package="rrdfqbcrndex")
demoMetaData <- read.csv(demoMetaDataCsvFn,stringsAsFactors=FALSE)

demo.cube.fn<- BuildCubeFromDataFrames(demoMetaData, demoObsData )
```

```
## dimName   trt01a
## dimName   sex
## dimName   race
## dimName   ethnic
## dimName   agegr1
## dimName   procedure
## dimName   factor
```

```
cat("DEMO cube stored as ", normalizePath(demo.cube.fn), "\n")
```

```
## DEMO cube stored as  /tmp/Rtmp0Yi1yZ/DC-DEMO-R-V-0-5-2.ttl
```

```
targetFile<- file.path(targetDir,"DC-DEMO-sample.ttl")

if (file.copy( demo.cube.fn, targetFile, overwrite=TRUE)) {
   cat("DEMO cube copied to ", normalizePath(targetFile), "\n")
 }
```

```
## DEMO cube copied to  /home/ma/projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DC-DEMO-sampl
```