Usage of cube DEMO

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Introduction

This is not a good example yet. TODO(mja): fix it.

Create DEMO sample table from CSV file

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

```
devtools::load_all(pkg="../..")
```

Loading rrdfqbcrndex

```
library(rrdfqbcrnd0)
library(rrdfqb)

cubeVocabularyFn<- system.file("extdata/cube-vocabulary-rdf","cube.ttl", package="rrdfqb")

dataCubeFile<- system.file("extdata/sample-rdf", "DC-DEMO-sample.ttl", package="rrdfqbcrndex")

store <- new.rdf()  # Initialize

cat("Loading cube specfication from ", cubeVocabularyFn, "\n")</pre>
```

Loading cube specfication from /home/ma/R/x86_64-redhat-linux-gnu-library/3.2/rrdfqb/extdata/cube-v

```
tmp<- load.rdf(cubeVocabularyFn, format="TURTLE", appendTo= store)
cat("Loading cube from ", dataCubeFile, "\n")</pre>
```

Loading cube from /home/ma/projects/R-projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DC-

```
tmp<- load.rdf(dataCubeFile, format="TURTLE", appendTo= store)
summarize.rdf(store)</pre>
```

```
## [1] "Number of triples: 3385"
```

Execute the DEMO* SPARQL queries

```
rqFiles<- system.file("extdata/sample-rdf", list.files(system.file("extdata/sample-rdf", package="rrdf

for (rqFile in rqFiles) {
    cat("File ", rqFile, "\n")
    rq<- pasteO(readLines(rqFile),collapse="\n")
    res<- data.frame(sparql.rdf(store, rq),stringsAsFactors=FALSE)
    print(nrow(res))
    if (nrow(res)>0) {
        print(knitr::kable(res))
        }
}
```

```
## File /home/ma/projects/R-projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DEMOattributes.r
## [1] 6
##
##
## crnd-attribute:cellpartno
## crnd-attribute:measurefmt
## crnd-attribute:colno
## crnd-attribute:denominator
## crnd-attribute:unit
## crnd-attribute:rowno
## File /home/ma/projects/R-projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DEMOcodelist.rq
## [1] 392
##
##
## codeList
                    codelevel
                                                                          codelist
                                                                                            prefLabel
## -----
## code:ethnic
                    code:factor-quantity
                                                                           code:factor
                                                                                            quantity
## code:ethnic
                    code:procedure-max
                                                                           code:procedure
                                                                                            max
## code:ethnic
                    code:procedure-q3
                                                                           code:procedure
                                                                                            q3
## code:ethnic
                    code:sex-F
                                                                           code:sex
                                                                                            F
## code:ethnic
                    code:sex-F
                                                                                            F
                                                                           code:sex
## code:ethnic
                    code:agegr1-_65
                                                                           code:agegr1
                                                                                            <65
## code:ethnic
                    code:factor-proportion
                                                                           code:factor
                                                                                            proportion
                    code:agegr1-_80
## code:ethnic
                                                                                            >80
                                                                          code:agegr1
## code:ethnic
                    code:race-_ALL_
                                                                           code:race
                                                                                            _ALL_
## code:ethnic
                    code:procedure-mean
                                                                           code:procedure
                                                                                            mean
## code:ethnic
                    code:trt01a-_ALL_
                                                                           code:trt01a
                                                                                            _ALL_
## code:ethnic
                    code:sex-M
                                                                           code:sex
                                                                                            М
## code:ethnic
                    code:sex-M
                                                                           code:sex
                                                                                            М
```

```
HISPANIC OR
## code:ethnic
                     code:ethnic-HISPANIC OR LATINO
                                                                              code:ethnic
## code:ethnic
                     code:race-NATIVE_HAWAIIAN_OR_OTHER_PACIFIC_ISLANDER
                                                                              code:race
                                                                                               NATIVE HAWAT
## code:ethnic
                     code:race-NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER
                                                                              code:race
                                                                                               NATIVE HAWAI
## code:ethnic
                     code:ethnic-NOT_HISPANIC_OR_LATINO
                                                                                               NOT HISPANIC
                                                                              code:ethnic
## code:ethnic
                     code:procedure-median
                                                                              code:procedure
                                                                                               median
## code:ethnic
                     code:ethnic- NONMISS
                                                                              code:ethnic
                                                                                                NONMISS
## code:ethnic
                     code:ethnic- NONMISS
                                                                              code:ethnic
                                                                                               NONMISS
## code:ethnic
                     code:procedure-q1
                                                                              code:procedure
                                                                                               q1
                     code:trt01a-Xanomeline_High_Dose
## code:ethnic
                                                                              code:trt01a
                                                                                               Xanomeline H
## code:ethnic
                     code:agegr1-_ALL_
                                                                                               _ALL_
                                                                              code:agegr1
## code:ethnic
                     code:agegr1-_ALL_
                                                                              code:agegr1
                                                                                                _{\mathtt{ALL}}_{\mathtt{}}
## code:ethnic
                     code:sex-UN
                                                                                               UN
                                                                              code:sex
## code:ethnic
                                                                                               UN
                     code:sex-UN
                                                                              code:sex
## code:ethnic
                     code:sex-_ALL_
                                                                              code:sex
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m ALL}_{
m }
## code:ethnic
                     code:race-ASIAN
                                                                              code:race
                                                                                               ASIAN
## code:ethnic
                     code:race-ASIAN
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                                                                                               ASIAN
## code:ethnic
                     code:race-WHITE
                                                                              code:race
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## code:ethnic
                     code:race-WHITE
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## code:ethnic
                     code:trt01a-_NONMISS_
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## code:ethnic
                     code:sex-_NONMISS_
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## code:ethnic
                     code:factor-age
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## code:ethnic
                     code:ethnic- ALL
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## code:ethnic
                     code:ethnic-_ALL_
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                                                                                                _ALL_
## code:ethnic
                     code:procedure-n
                                                                              code:procedure
## code:ethnic
                     code:race-AMERICAN INDIAN OR ALASKA NATIVE
                                                                              code:race
                                                                                               AMERICAN IND
## code:ethnic
                     code:race-AMERICAN INDIAN OR ALASKA NATIVE
                                                                              code:race
                                                                                               AMERICAN IND
## code:ethnic
                     code:trt01a-Placebo
                                                                              code:trt01a
                                                                                               Placebo
## code:ethnic
                     code:factor-weightbl
                                                                              code:factor
                                                                                               weightbl
## code:ethnic
                                                                                               Xanomeline L
                     code:trt01a-Xanomeline_Low_Dose
                                                                              code:trt01a
## code:ethnic
                     code:factor-_ALL_
                                                                              code:factor
                                                                                                ALL
## code:ethnic
                     code:procedure-percent
                                                                              code:procedure
                                                                                               percent
## code:ethnic
                     code:agegr1-65-80
                                                                              code:agegr1
                                                                                                65-80
## code:ethnic
                     code:procedure-min
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## code:ethnic
                     code:race-_NONMISS_
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                     code:agegr1-_NONMISS_
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## code:ethnic
                     code:agegr1-_NONMISS_
                                                                                                NONMISS
                                                                              code:agegr1
## code:ethnic
                     code:race-BLACK OR AFRICAN AMERICAN
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                                                                                               BLACK OR AFR
## code:ethnic
                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                              code:race
                                                                                               BLACK OR AFR
## code:ethnic
                     code:factor- NONMISS
                                                                              code:factor
                                                                                                NONMISS
## code:ethnic
                     code:sex-U
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## code:ethnic
                     code:sex-U
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                                                                                               U
## code:ethnic
                     code:procedure-count
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                                                                                               count
## code:ethnic
                     code:procedure-std
                                                                              code:procedure
                                                                                               std
## code:agegr1
                                                                              code:factor
                     code:factor-quantity
                                                                                               quantity
                                                                              code:procedure
## code:agegr1
                     code:procedure-max
                                                                                               max
## code:agegr1
                     code:procedure-q3
                                                                              code:procedure
                                                                                               q3
                     code:sex-F
                                                                                               F
## code:agegr1
                                                                              code:sex
## code:agegr1
                     code:sex-F
                                                                                               F
                                                                              code:sex
## code:agegr1
                     code:agegr1-_65
                                                                              code:agegr1
                                                                                                <65
## code:agegr1
                     code:factor-proportion
                                                                              code:factor
                                                                                               proportion
## code:agegr1
                     code:agegr1-_80
                                                                              code:agegr1
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## code:agegr1
                     code:race-_ALL_
                                                                              code:race
                                                                                                _ALL_
## code:agegr1
                     code:procedure-mean
                                                                              code:procedure
                                                                                               mean
## code:agegr1
                     code:trt01a- ALL
                                                                              code:trt01a
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```

```
## code:agegr1
                     code:sex-M
                                                                              code:sex
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## code:agegr1
                     code:sex-M
                                                                              code:sex
                     code:ethnic-HISPANIC OR LATINO
## code:agegr1
                                                                              code:ethnic
                                                                                               HISPANIC OR
                     code:race-NATIVE_HAWAIIAN_OR_OTHER_PACIFIC_ISLANDER
                                                                                               NATIVE HAWAI
## code:agegr1
                                                                              code:race
## code:agegr1
                     code:race-NATIVE_HAWAIIAN_OR_OTHER_PACIFIC_ISLANDER
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## code:agegr1
                     code:ethnic-NOT HISPANIC OR LATINO
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                                                                                               NOT HISPANIC
## code:agegr1
                     code:procedure-median
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                                                                                               median
                     code:ethnic- NONMISS
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## code:agegr1
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## code:agegr1
                     code:ethnic-_NONMISS_
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## code:agegr1
                     code:procedure-q1
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## code:agegr1
                     code:trt01a-Xanomeline_High_Dose
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## code:agegr1
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## code:agegr1
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## code:agegr1
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## code:agegr1
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## code:agegr1
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## code:agegr1
                     code:sex-_NONMISS_
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                                                                                               _NONMISS_
## code:agegr1
                     code:factor-age
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## code:agegr1
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                     code:ethnic- ALL
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## code:agegr1
                     code:procedure-n
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## code:agegr1
                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
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                                                                                               AMERICAN IND
                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                               AMERICAN IND
## code:agegr1
                                                                              code:race
## code:agegr1
                     code:trt01a-Placebo
                                                                              code:trt01a
                                                                                               Placebo
## code:agegr1
                     code:factor-weightbl
                                                                              code:factor
                                                                                               weightbl
## code:agegr1
                     code:trt01a-Xanomeline_Low_Dose
                                                                              code:trt01a
                                                                                               Xanomeline L
## code:agegr1
                     code:factor-_ALL_
                                                                              code:factor
                                                                                                _ALL_
## code:agegr1
                     code:procedure-percent
                                                                              code:procedure
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                     code:agegr1-65-80
                                                                                               65-80
## code:agegr1
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## code:agegr1
                     code:procedure-min
                                                                              code:procedure
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## code:agegr1
                     code:race-_NONMISS_
                                                                              code:race
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## code:agegr1
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## code:agegr1
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## code:agegr1
                     code:race-BLACK_OR_AFRICAN_AMERICAN
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                                                                                               BLACK OR AFR
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## code:agegr1
                     code:race-BLACK_OR_AFRICAN_AMERICAN
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## code:agegr1
                     code:factor- NONMISS
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                                                                                                NONMISS
## code:agegr1
                     code:sex-U
                                                                              code:sex
                                                                                               IJ
                     code:sex-U
                                                                                               IJ
## code:agegr1
                                                                              code:sex
                     code:procedure-count
## code:agegr1
                                                                              code:procedure
                                                                                               count
                     code:procedure-std
## code:agegr1
                                                                              code:procedure
                                                                                               std
## code:procedure
                     code:factor-quantity
                                                                              code:factor
                                                                                               quantity
## code:procedure
                     code:procedure-max
                                                                              code:procedure
                                                                                               max
                     code:procedure-q3
## code:procedure
                                                                              code:procedure
                                                                                               q3
## code:procedure
                     code:sex-F
                                                                              code:sex
                                                                                               F
                                                                                               F
## code:procedure
                     code:sex-F
                                                                              code:sex
## code:procedure
                     code:agegr1-_65
                                                                                               <65
                                                                              code:agegr1
## code:procedure
                     code:factor-proportion
                                                                              code:factor
                                                                                               proportion
## code:procedure
                     code:agegr1-_80
                                                                              code:agegr1
                                                                                               >80
## code:procedure
                     code:race- ALL
                                                                              code:race
                                                                                                ALL
```

```
## code:procedure
                     code:procedure-mean
                                                                               code:procedure
                                                                                                 mean
## code:procedure
                     code:trt01a- ALL
                                                                               code:trt01a
                                                                                                 ALL
## code:procedure
                     code:sex-M
                                                                               code:sex
                                                                                                 M
                     code:sex-M
## code:procedure
                                                                               code:sex
## code:procedure
                     code:ethnic-HISPANIC OR LATINO
                                                                               code:ethnic
                                                                                                 HISPANIC OR
## code:procedure
                     code:race-NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER
                                                                                                 NATIVE HAWAI
                                                                               code:race
## code:procedure
                     code:race-NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER
                                                                               code:race
                                                                                                 NATIVE HAWAI
                     code:ethnic-NOT HISPANIC OR LATINO
                                                                                                 NOT HISPANIC
## code:procedure
                                                                               code:ethnic
                     code:procedure-median
## code:procedure
                                                                               code:procedure
                                                                                                 median
                     code:ethnic-_NONMISS_
## code:procedure
                                                                               code:ethnic
                                                                                                 _NONMISS_
## code:procedure
                     code:ethnic-_NONMISS_
                                                                               code:ethnic
                                                                                                 {\tt NONMISS}_{\tt}
## code:procedure
                     code:procedure-q1
                                                                               code:procedure
## code:procedure
                     code:trt01a-Xanomeline_High_Dose
                                                                               code:trt01a
                                                                                                 Xanomeline H
## code:procedure
                     code:agegr1-_ALL_
                                                                               code:agegr1
                                                                                                 _{\mathtt{ALL}}_{\mathtt{}}
## code:procedure
                     code:agegr1-_ALL_
                                                                               code:agegr1
                                                                                                 _{\mathtt{ALL}}_{\mathtt{}}
## code:procedure
                     code:sex-UN
                                                                               code:sex
                                                                                                 UN
                     code:sex-UN
                                                                               code:sex
                                                                                                 UN
## code:procedure
## code:procedure
                     code:sex- ALL
                                                                               code:sex
                                                                                                 ALL
                     code:race-ASIAN
                                                                               code:race
                                                                                                 ASIAN
## code:procedure
                     code:race-ASIAN
## code:procedure
                                                                               code:race
                                                                                                 ASIAN
## code:procedure
                     code:race-WHITE
                                                                               code:race
                                                                                                 WHITE
## code:procedure
                     code:race-WHITE
                                                                               code:race
                                                                                                 WHITE
                     code:trt01a-_NONMISS_
## code:procedure
                                                                               code:trt01a
                                                                                                 _NONMISS_
## code:procedure
                     code:sex-_NONMISS_
                                                                               code:sex
                                                                                                 NONMISS
                     code:factor-age
## code:procedure
                                                                               code:factor
                                                                                                 age
## code:procedure
                     code:ethnic- ALL
                                                                               code:ethnic
                                                                                                 _ALL_
## code:procedure
                     code:ethnic-_ALL_
                                                                               code:ethnic
                                                                                                 _ALL_
                     code:procedure-n
## code:procedure
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                                                                                                 AMERICAN IND
## code:procedure
                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                               code:race
## code:procedure
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## code:procedure
                     code:trt01a-Placebo
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## code:procedure
                     code:factor-weightbl
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                     code:trt01a-Xanomeline_Low_Dose
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                     code:factor-_ALL_
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## code:procedure
                     code:procedure-percent
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## code:procedure
                     code:agegr1-65-80
                                                                                                 65-80
                                                                               code:agegr1
## code:procedure
                     code:procedure-min
                                                                               code:procedure
## code:procedure
                     code:race-_NONMISS_
                                                                               code:race
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## code:procedure
                     code:agegr1-_NONMISS_
                                                                               code:agegr1
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## code:procedure
                     code:agegr1-_NONMISS_
                                                                                                 _NONMISS_
                                                                               code:agegr1
## code:procedure
                     code:race-BLACK OR AFRICAN AMERICAN
                                                                               code:race
                                                                                                 BLACK OR AFR
## code:procedure
                     code:race-BLACK OR AFRICAN AMERICAN
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                                                                                                 BLACK OR AFR
                     code:factor- NONMISS
                                                                               code:factor
                                                                                                 NONMISS
## code:procedure
                     code:sex-U
## code:procedure
                                                                               code:sex
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                     code:sex-U
## code:procedure
                                                                               code:sex
## code:procedure
                     code:procedure-count
                                                                               code:procedure
                                                                                                 count
## code:procedure
                     code:procedure-std
                                                                               code:procedure
                                                                                                 std
## code:factor
                     code:factor-quantity
                                                                               code:factor
                                                                                                 quantity
## code:factor
                     code:procedure-max
                                                                               code:procedure
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## code:factor
                     code:procedure-q3
                                                                               code:procedure
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## code:factor
                     code:sex-F
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## code:factor
                     code:sex-F
                                                                                                 F
                                                                               code:sex
## code:factor
                     code:agegr1-_65
                                                                               code:agegr1
                                                                                                 <65
## code:factor
                                                                                                 proportion
                     code:factor-proportion
                                                                               code:factor
```

```
## code:factor
                     code:agegr1-_80
                                                                               code:agegr1
                                                                                                 >80
## code:factor
                     code:race-_ALL_
                                                                               code:race
                                                                                                 ALL
                                                                               code:procedure
## code:factor
                     code:procedure-mean
                                                                                                 mean
## code:factor
                     code:trt01a-_ALL_
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                                                                                                 _ALL_
## code:factor
                     code:sex-M
                                                                               code:sex
## code:factor
                     code:sex-M
                                                                               code:sex
                                                                                                 М
## code:factor
                     code:ethnic-HISPANIC OR LATINO
                                                                               code:ethnic
                                                                                                 HISPANIC OR
## code:factor
                     code:race-NATIVE_HAWAIIAN_OR_OTHER_PACIFIC_ISLANDER
                                                                                                 NATIVE HAWAI
                                                                               code:race
## code:factor
                     code:race-NATIVE_HAWAIIAN_OR_OTHER_PACIFIC_ISLANDER
                                                                               code:race
                                                                                                 NATIVE HAWAI
                     code:ethnic-NOT_HISPANIC_OR_LATINO
                                                                                                 NOT HISPANIC
## code:factor
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## code:factor
                     code:procedure-median
                                                                               code:procedure
                                                                                                 median
                     code:ethnic-_NONMISS_
## code:factor
                                                                               code:ethnic
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## code:factor
                     code:ethnic-_NONMISS_
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## code:factor
                     code:procedure-q1
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                     code:trt01a-Xanomeline_High_Dose
## code:factor
                                                                               code:trt01a
                                                                                                 Xanomeline H
## code:factor
                     code:agegr1-_ALL_
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## code:factor
                     code:agegr1-_ALL_
                                                                               code:agegr1
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## code:factor
                     code:sex-UN
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## code:factor
                     code:sex-UN
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## code:factor
                     code:sex- ALL
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## code:factor
                     code:race-ASIAN
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## code:factor
                     code:race-ASIAN
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## code:factor
                     code:race-WHITE
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## code:factor
                     code:race-WHITE
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## code:factor
                     code:trt01a-_NONMISS_
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## code:factor
                     code:sex- NONMISS
                                                                               code:sex
                                                                                                 _NONMISS_
## code:factor
                     code:factor-age
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## code:factor
                     code:ethnic-_ALL_
                                                                               code:ethnic
                                                                                                 _ALL_
## code:factor
                     code:ethnic-_ALL_
                                                                               code:ethnic
                                                                                                 _{\mathtt{ALL}}_{\mathtt{}}
## code:factor
                     code:procedure-n
                                                                               code:procedure
## code:factor
                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                               code:race
                                                                                                 AMERICAN IND
## code:factor
                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                               code:race
                                                                                                 AMERICAN IND
## code:factor
                     code:trt01a-Placebo
                                                                               code:trt01a
                                                                                                 Placebo
                     code:factor-weightbl
## code:factor
                                                                               code:factor
                                                                                                 weightbl
## code:factor
                     code:trt01a-Xanomeline Low Dose
                                                                               code:trt01a
                                                                                                 Xanomeline L
## code:factor
                     code:factor-_ALL_
                                                                               code:factor
                                                                                                 ALL
## code:factor
                     code:procedure-percent
                                                                               code:procedure
                                                                                                 percent
## code:factor
                     code:agegr1-65-80
                                                                               code:agegr1
                                                                                                 65-80
## code:factor
                     code:procedure-min
                                                                               code:procedure
                                                                                                 min
## code:factor
                     code:race-_NONMISS_
                                                                                                 _NONMISS_
                                                                               code:race
## code:factor
                     code:agegr1- NONMISS
                                                                                                 NONMISS
                                                                               code:agegr1
## code:factor
                     code:agegr1-_NONMISS_
                                                                               code:agegr1
                                                                                                 NONMISS
## code:factor
                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                 BLACK OR AFR
                                                                               code:race
## code:factor
                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                 BLACK OR AFR
                                                                               code:race
## code:factor
                     code:factor-_NONMISS_
                                                                               code:factor
                                                                                                 _NONMISS_
                     code:sex-U
## code:factor
                                                                               code:sex
                                                                                                 IJ
## code:factor
                     code:sex-U
                                                                               code:sex
## code:factor
                     code:procedure-count
                                                                               code:procedure
                                                                                                 count
## code:factor
                     code:procedure-std
                                                                               code:procedure
                                                                                                 std
## code:trt01a
                     code:factor-quantity
                                                                               code:factor
                                                                                                 quantity
## code:trt01a
                     code:procedure-max
                                                                               code:procedure
                                                                                                 max
## code:trt01a
                     code:procedure-q3
                                                                               code:procedure
                                                                                                 q3
## code:trt01a
                     code:sex-F
                                                                               code:sex
                                                                                                 F
## code:trt01a
                     code:sex-F
                                                                               code:sex
                                                                                                 F
```

```
## code:trt01a
                     code:agegr1-_65
                                                                              code:agegr1
                                                                                                <65
## code:trt01a
                     code:factor-proportion
                                                                              code:factor
                                                                                                proportion
                                                                                                >80
## code:trt01a
                     code:agegr1-80
                                                                              code:agegr1
## code:trt01a
                     code:race-_ALL_
                                                                              code:race
                                                                                                 _ALL_
## code:trt01a
                     code:procedure-mean
                                                                              code:procedure
                                                                                                mean
## code:trt01a
                     code:trt01a- ALL
                                                                              code:trt01a
                                                                                                 ALL
## code:trt01a
                     code:sex-M
                                                                              code:sex
                                                                                                М
## code:trt01a
                     code:sex-M
                                                                              code:sex
                                                                                                М
## code:trt01a
                     code:ethnic-HISPANIC_OR_LATINO
                                                                              code:ethnic
                                                                                                HISPANIC OR
## code:trt01a
                     code:race-NATIVE_HAWAIIAN_OR_OTHER_PACIFIC_ISLANDER
                                                                              code:race
                                                                                                NATIVE HAWAI
## code:trt01a
                     code:race-NATIVE_HAWAIIAN_OR_OTHER_PACIFIC_ISLANDER
                                                                              code:race
                                                                                                NATIVE HAWAI
## code:trt01a
                                                                                                NOT HISPANIC
                     code:ethnic-NOT_HISPANIC_OR_LATINO
                                                                              code:ethnic
## code:trt01a
                     code:procedure-median
                                                                              code:procedure
                                                                                                median
## code:trt01a
                     code:ethnic-_NONMISS_
                                                                              code:ethnic
                                                                                                {\tt \_NONMISS}_{\tt \_}
## code:trt01a
                     code:ethnic-_NONMISS_
                                                                              code:ethnic
                                                                                                _NONMISS_
## code:trt01a
                     code:procedure-q1
                                                                              code:procedure
                                                                                                q1
## code:trt01a
                     code:trt01a-Xanomeline_High_Dose
                                                                              code:trt01a
                                                                                                Xanomeline H
## code:trt01a
                     code:agegr1- ALL
                                                                              code:agegr1
                                                                                                ALL
## code:trt01a
                     code:agegr1-_ALL_
                                                                              code:agegr1
                                                                                                 _ALL_
                     code:sex-UN
                                                                                                UN
## code:trt01a
                                                                              code:sex
## code:trt01a
                     code:sex-UN
                                                                              code:sex
                                                                                                UN
## code:trt01a
                     code:sex- ALL
                                                                              code:sex
                                                                                                 ALL
## code:trt01a
                     code:race-ASIAN
                                                                                                ASIAN
                                                                              code:race
## code:trt01a
                     code:race-ASIAN
                                                                              code:race
                                                                                                ASIAN
## code:trt01a
                     code:race-WHITE
                                                                              code:race
                                                                                                WHTTF.
## code:trt01a
                     code:race-WHITE
                                                                              code:race
                                                                                                WHITE
## code:trt01a
                     code:trt01a-_NONMISS_
                                                                              code:trt01a
                                                                                                _NONMISS_
## code:trt01a
                     code:sex-_NONMISS_
                                                                              code:sex
                                                                                                _NONMISS_
## code:trt01a
                     code:factor-age
                                                                              code:factor
                                                                                                age
## code:trt01a
                     code:ethnic-_ALL_
                                                                              code:ethnic
                                                                                                _{\mathtt{ALL}}_{\mathtt{}}
                     code:ethnic-_ALL_
## code:trt01a
                                                                              code:ethnic
                                                                                                _{\mathtt{ALL}}_{\mathtt{}}
## code:trt01a
                     code:procedure-n
                                                                              code:procedure
                                                                                                AMERICAN IND
## code:trt01a
                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                              code:race
## code:trt01a
                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                              code:race
                                                                                                AMERICAN IND
## code:trt01a
                     code:trt01a-Placebo
                                                                              code:trt01a
                                                                                                Placebo
## code:trt01a
                     code:factor-weightbl
                                                                              code:factor
                                                                                                weightbl
## code:trt01a
                     code:trt01a-Xanomeline_Low_Dose
                                                                              code:trt01a
                                                                                                Xanomeline L
## code:trt01a
                     code:factor-_ALL_
                                                                              code:factor
                                                                                                 _ALL_
## code:trt01a
                     code:procedure-percent
                                                                              code:procedure
                                                                                                percent
                                                                                                65-80
## code:trt01a
                     code:agegr1-65-80
                                                                              code:agegr1
## code:trt01a
                     code:procedure-min
                                                                              code:procedure
                                                                                                min
## code:trt01a
                     code:race-_NONMISS_
                                                                              code:race
                                                                                                NONMISS
## code:trt01a
                     code:agegr1-_NONMISS_
                                                                                                 NONMISS
                                                                              code:agegr1
## code:trt01a
                     code:agegr1-_NONMISS_
                                                                              code:agegr1
                                                                                                 NONMISS_
## code:trt01a
                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                BLACK OR AFR
                                                                              code:race
## code:trt01a
                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                BLACK OR AFR
                                                                              code:race
## code:trt01a
                     code:factor-_NONMISS_
                                                                              code:factor
                                                                                                 _NONMISS_
## code:trt01a
                     code:sex-U
                                                                                                U
                                                                              code:sex
## code:trt01a
                     code:sex-U
                                                                              code:sex
## code:trt01a
                     code:procedure-count
                                                                              code:procedure
                                                                                                count
## code:trt01a
                     code:procedure-std
                                                                              code:procedure
                                                                                                std
## code:sex
                     code:factor-quantity
                                                                              code:factor
                                                                                                quantity
## code:sex
                     code:procedure-max
                                                                              code:procedure
                                                                                                max
## code:sex
                     code:procedure-q3
                                                                              code:procedure
                                                                                                q3
```

```
F
## code:sex
                     code:sex-F
                                                                              code:sex
## code:sex
                     code:sex-F
                                                                                                F
                                                                              code:sex
                                                                              code:agegr1
## code:sex
                     code:agegr1- 65
                                                                                                <65
                     code:factor-proportion
## code:sex
                                                                              code:factor
                                                                                                proportion
## code:sex
                     code:agegr1-_80
                                                                              code:agegr1
                                                                                                >80
## code:sex
                     code:race- ALL
                                                                              code:race
                                                                                                ALL
## code:sex
                     code:procedure-mean
                                                                              code:procedure
                                                                                                mean
## code:sex
                     code:trt01a- ALL
                                                                              code:trt01a
                                                                                                ALL
## code:sex
                     code:sex-M
                                                                              code:sex
                                                                                                М
## code:sex
                     code:sex-M
                                                                              code:sex
                     code:ethnic-HISPANIC_OR_LATINO
## code:sex
                                                                              code:ethnic
                                                                                                HISPANIC OR
                                                                                                NATIVE HAWAI
## code:sex
                     code:race-NATIVE_HAWAIIAN_OR_OTHER_PACIFIC_ISLANDER
                                                                              code:race
## code:sex
                     code:race-NATIVE_HAWAIIAN_OR_OTHER_PACIFIC_ISLANDER
                                                                              code:race
                                                                                                NATIVE HAWAI
                     code:ethnic-NOT_HISPANIC_OR_LATINO
                                                                                                NOT HISPANIC
## code:sex
                                                                              code:ethnic
## code:sex
                     code:procedure-median
                                                                              code:procedure
                                                                                                median
## code:sex
                     code:ethnic-_NONMISS_
                                                                              code:ethnic
                                                                                                NONMISS_
## code:sex
                     code:ethnic-_NONMISS_
                                                                              code:ethnic
                                                                                                _NONMISS_
## code:sex
                     code:procedure-q1
                                                                              code:procedure
                                                                                                q1
## code:sex
                     code:trt01a-Xanomeline_High_Dose
                                                                              code:trt01a
                                                                                                Xanomeline H
## code:sex
                     code:agegr1-_ALL_
                                                                              code:agegr1
                                                                                                ALL
## code:sex
                     code:agegr1-_ALL_
                                                                              code:agegr1
                                                                                                _ALL_
## code:sex
                     code:sex-UN
                                                                              code:sex
                                                                                                UN
## code:sex
                     code:sex-UN
                                                                              code:sex
                                                                                                UN
## code:sex
                     code:sex- ALL
                                                                              code:sex
                                                                                                ALL
## code:sex
                     code:race-ASIAN
                                                                              code:race
                                                                                                ASIAN
## code:sex
                     code:race-ASIAN
                                                                              code:race
                                                                                                ASIAN
## code:sex
                     code:race-WHITE
                                                                              code:race
                                                                                                WHITE
                     code:race-WHITE
## code:sex
                                                                              code:race
                                                                                                WHITE
## code:sex
                     code:trt01a-_NONMISS_
                                                                                                _NONMISS_
                                                                              code:trt01a
## code:sex
                     code:sex-_NONMISS_
                                                                              code:sex
                                                                                                _NONMISS_
## code:sex
                     code:factor-age
                                                                              code:factor
                                                                                                age
## code:sex
                     code:ethnic-_ALL_
                                                                              code:ethnic
                                                                                                _ALL_
## code:sex
                     code:ethnic-_ALL_
                                                                              code:ethnic
                                                                                                _{\mathtt{ALL}}_{\mathtt{}}
## code:sex
                     code:procedure-n
                                                                              code:procedure
                                                                                                AMERICAN IND
## code:sex
                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                              code:race
## code:sex
                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                AMERICAN IND
                                                                              code:race
## code:sex
                     code:trt01a-Placebo
                                                                              code:trt01a
                                                                                                Placebo
## code:sex
                     code:factor-weightbl
                                                                              code:factor
                                                                                                weightbl
## code:sex
                     code:trt01a-Xanomeline_Low_Dose
                                                                              code:trt01a
                                                                                                Xanomeline L
## code:sex
                     code:factor-_ALL_
                                                                              code:factor
                                                                                                _ALL_
## code:sex
                     code:procedure-percent
                                                                              code:procedure
                                                                                                percent
## code:sex
                     code:agegr1-65-80
                                                                              code:agegr1
                                                                                                65-80
                     code:procedure-min
## code:sex
                                                                              code:procedure
                                                                                                min
## code:sex
                     code:race-_NONMISS_
                                                                              code:race
                                                                                                _{	t NONMISS}_{	t }
## code:sex
                     code:agegr1-_NONMISS_
                                                                              code:agegr1
                                                                                                _NONMISS_
                     code:agegr1-_NONMISS_
## code:sex
                                                                                                _NONMISS_
                                                                              code:agegr1
                                                                                                BLACK OR AFR
## code:sex
                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                              code:race
                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                BLACK OR AFR
## code:sex
                                                                              code:race
                                                                                                _NONMISS_
## code:sex
                     code:factor-_NONMISS_
                                                                              code:factor
## code:sex
                     code:sex-U
                                                                              code:sex
## code:sex
                     code:sex-U
                                                                                                U
                                                                              code:sex
## code:sex
                     code:procedure-count
                                                                              code:procedure
                                                                                                count
## code:sex
                     code:procedure-std
                                                                              code:procedure
                                                                                                std
## code:race
                     code:factor-quantity
                                                                              code:factor
                                                                                                quantity
```

```
## code:race
                     code:procedure-max
                                                                               code:procedure
                                                                                                 max
## code:race
                     code:procedure-q3
                                                                               code:procedure
                                                                                                 q3
## code:race
                     code:sex-F
                                                                               code:sex
                                                                                                 F
                     code:sex-F
                                                                                                 F
## code:race
                                                                               code:sex
                                                                               code:agegr1
## code:race
                     code:agegr1-_65
                                                                                                 <65
## code:race
                     code:factor-proportion
                                                                               code:factor
                                                                                                 proportion
## code:race
                     code:agegr1-_80
                                                                                                 >80
                                                                               code:agegr1
## code:race
                     code:race- ALL
                                                                               code:race
                                                                                                 ALL
## code:race
                     code:procedure-mean
                                                                               code:procedure
                                                                                                 mean
## code:race
                     code:trt01a-_ALL_
                                                                               code:trt01a
                                                                                                 _{\mathtt{ALL}}_{\mathtt{}}
## code:race
                     code:sex-M
                                                                               code:sex
## code:race
                     code:sex-M
                                                                               code:sex
                                                                                                 HISPANIC OR
## code:race
                     code:ethnic-HISPANIC_OR_LATINO
                                                                               code:ethnic
## code:race
                     code:race-NATIVE_HAWAIIAN_OR_OTHER_PACIFIC_ISLANDER
                                                                               code:race
                                                                                                 NATIVE HAWAI
## code:race
                     code:race-NATIVE_HAWAIIAN_OR_OTHER_PACIFIC_ISLANDER
                                                                               code:race
                                                                                                 NATIVE HAWAI
                     code:ethnic-NOT_HISPANIC_OR_LATINO
## code:race
                                                                               code:ethnic
                                                                                                 NOT HISPANIC
## code:race
                     code:procedure-median
                                                                               code:procedure
                                                                                                 median
## code:race
                     code:ethnic- NONMISS
                                                                               code:ethnic
                                                                                                 NONMISS
## code:race
                     code:ethnic-_NONMISS_
                                                                                                 _NONMISS_
                                                                               code:ethnic
## code:race
                     code:procedure-q1
                                                                               code:procedure
## code:race
                     code:trt01a-Xanomeline_High_Dose
                                                                               code:trt01a
                                                                                                 Xanomeline H
## code:race
                     code:agegr1-_ALL_
                                                                               code:agegr1
                                                                                                 ALL
## code:race
                     code:agegr1-_ALL_
                                                                               code:agegr1
                                                                                                 _ALL_
## code:race
                     code:sex-UN
                                                                               code:sex
                                                                                                 UN
## code:race
                                                                                                 UN
                     code:sex-UN
                                                                               code:sex
## code:race
                     code:sex- ALL
                                                                               code:sex
                                                                                                 ALL
## code:race
                     code:race-ASIAN
                                                                               code:race
                                                                                                 ASIAN
## code:race
                     code:race-ASIAN
                                                                               code:race
                                                                                                 ASIAN
## code:race
                     code:race-WHITE
                                                                                                 WHITE
                                                                               code:race
## code:race
                     code:race-WHITE
                                                                               code:race
                                                                                                 WHITE
## code:race
                     code:trt01a-_NONMISS_
                                                                               code:trt01a
                                                                                                 {\tt NONMISS}_{\tt}
## code:race
                     code:sex-_NONMISS_
                                                                               code:sex
                                                                                                 NONMISS_
## code:race
                     code:factor-age
                                                                               code:factor
                                                                                                 age
                                                                               code:ethnic
## code:race
                     code:ethnic-_ALL_
                                                                                                 _{\mathtt{ALL}}_{\mathtt{}}
                                                                                                 _ALL
## code:race
                     code:ethnic-_ALL_
                                                                               code:ethnic
## code:race
                     code:procedure-n
                                                                               code:procedure
## code:race
                     code:race-AMERICAN INDIAN OR ALASKA NATIVE
                                                                               code:race
                                                                                                 AMERICAN IND
## code:race
                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                               code:race
                                                                                                 AMERICAN IND
## code:race
                     code:trt01a-Placebo
                                                                               code:trt01a
                                                                                                 Placebo
## code:race
                     code:factor-weightbl
                                                                                                 weightbl
                                                                               code:factor
## code:race
                     code:trt01a-Xanomeline Low Dose
                                                                                                 Xanomeline L
                                                                               code:trt01a
## code:race
                     code:factor- ALL
                                                                               code:factor
                                                                                                 ALL
## code:race
                     code:procedure-percent
                                                                               code:procedure
                                                                                                 percent
## code:race
                     code:agegr1-65-80
                                                                                                 65-80
                                                                               code:agegr1
## code:race
                     code:procedure-min
                                                                               code:procedure
                                                                                                 min
                     code:race-_NONMISS_
## code:race
                                                                               code:race
                                                                                                 _NONMISS_
## code:race
                     code:agegr1-_NONMISS_
                                                                               code:agegr1
                                                                                                 NONMISS_
## code:race
                     code:agegr1-_NONMISS_
                                                                               code:agegr1
                                                                                                 {\tt \_NONMISS}_{\tt \_}
## code:race
                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                               code:race
                                                                                                 BLACK OR AFR
                                                                                                 BLACK OR AFR
## code:race
                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                               code:race
## code:race
                     code:factor-_NONMISS_
                                                                               code:factor
                                                                                                 _NONMISS_
## code:race
                     code:sex-U
                                                                               code:sex
                                                                                                 IJ
## code:race
                     code:sex-U
                                                                               code:sex
                                                                                                 U
```

code:procedure

count

code:procedure-count

code:race

```
## code:race code:procedure-std
                                                                           code:procedure std
## File /home/ma/projects/R-projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DEMOdimensions.r
##
##
## p
## crnd-dimension:ethnic
## crnd-dimension:race
## crnd-dimension:procedure
## crnd-dimension:agegr1
## crnd-dimension:factor
## crnd-dimension:trt01a
## crnd-dimension:sex
## File /home/ma/projects/R-projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DEMOfactor-codel
## [1] 53
##
##
## s
## -----
## code:factor-weightbl
                            skos:topConceptOf
                                                               code:factor
## code:factor-weightbl
                            skos:prefLabel
                                                               weightbl
## code:factor-weightbl
                            skos:inScheme
                                                               code:factor
## code:factor-weightbl
                            rrdfqbcrnd0:R-selectionvalue
                                                               weightbl
## code:factor-weightbl
                            rrdfqbcrnd0:R-selectionoperator
                                                               ==
## code:factor-weightbl
                            rrdfqbcrnd0:DataSetRefD2RQ
                                                               rrdfqbcrnd0:ADSL_WEIGHTBL
## code:factor-weightbl
                            rdfs:comment
                                                               Coded values from data source. No reconci
## code:factor-weightbl
                            rdf:type
                                                               skos:Concept
## code:factor-weightbl
                            rdf:type
                                                               code:Factor
                            skos:topConceptOf
## code:factor-age
                                                               code:factor
## code:factor-age
                            skos:prefLabel
                                                               age
## code:factor-age
                            skos:inScheme
                                                               code:factor
## code:factor-age
                            rrdfqbcrnd0:R-selectionvalue
                                                               age
                            rrdfqbcrnd0:R-selectionoperator
## code:factor-age
                            rrdfqbcrnd0:DataSetRefD2RQ
                                                               rrdfqbcrnd0:ADSL_AGE
## code:factor-age
## code:factor-age
                            rdfs:comment
                                                               Coded values from data source. No reconci
## code:factor-age
                            rdf:type
                                                               skos:Concept
                                                               code:Factor
## code:factor-age
                            rdf:type
                            skos:topConceptOf
## code:factor-_ALL_
                                                               code:factor
## code:factor-_ALL_
                            skos:prefLabel
                                                               _ALL_
## code:factor-_ALL_
                            skos:inScheme
                                                               code:factor
## code:factor-_ALL_
                                                               NON-CDISC: Represents all codelist catego:
                            rdfs:comment
## code:factor-_ALL_
                            rdf:type
                                                               skos:Concept
## code:factor-_ALL_
                                                               code:Factor
                            rdf:type
## code:factor-quantity
                            skos:topConceptOf
                                                               code:factor
## code:factor-quantity
                            skos:prefLabel
                                                               quantity
                            skos:inScheme
## code:factor-quantity
                                                               code:factor
## code:factor-quantity
                            rrdfqbcrnd0:R-selectionvalue
                                                               quantity
## code:factor-quantity
                            \verb|rrdfqbcrnd0:R-selection|| operator||
## code:factor-quantity
                            rdfs:comment
                                                               Coded values from data source. No reconci
## code:factor-quantity
                            rdf:type
                                                               skos:Concept
## code:factor-quantity
                            rdf:type
                                                               code:Factor
## code:factor-_NONMISS_
                            skos:topConceptOf
                                                               code:factor
## code:factor-_NONMISS_
                            skos:prefLabel
                                                               _NONMISS_
```

```
## code:factor-_NONMISS_
                          skos:inScheme
                                                          code:factor
## code:factor-_NONMISS_
                          rrdfqbcrnd0:R-selectionfunction
                                                          is.na
                          rdfs:comment
## code:factor-_NONMISS_
                                                          NON-CDISC: Represents the non-missing cod
## code:factor-_NONMISS_
                          rdf:type
                                                          skos:Concept
## code:factor-_NONMISS_
                          rdf:type
                                                          code:Factor
## code:factor-proportion
                          skos:topConceptOf
                                                          code:factor
                          skos:prefLabel
## code:factor-proportion
                                                          proportion
## code:factor-proportion
                          skos:inScheme
                                                          code:factor
## code:factor-proportion
                          rrdfqbcrnd0:R-selectionvalue
                                                          proportion
## code:factor-proportion
                          rrdfqbcrnd0:R-selectionoperator
## code:factor-proportion
                          rdfs:comment
                                                          Coded values from data source. No reconci
## code:factor-proportion
                          rdf:type
                                                          skos:Concept
## code:factor-proportion
                          rdf:type
                                                          code:Factor
## code:factor-proportion
                          rdf:type
                                                          rdfs:Resource
## code:factor-_NONMISS_
                          rdf:type
                                                          rdfs:Resource
## code:factor-quantity
                          rdf:type
                                                          rdfs:Resource
## code:factor-_ALL_
                          rdf:type
                                                          rdfs:Resource
                          rdf:type
## code:factor-age
                                                          rdfs:Resource
## code:factor-weightbl
                          rdf:type
                                                          rdfs:Resource
## File /home/ma/projects/R-projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DEMOfactor.rq
## [1] 6
##
##
                          prefLabel
## factor
                                      DataSetRefD2RQ
                                                                Rselectionvalue
## -----
## code:factor-_ALL_
                          _ALL_
                                      NA
                                                                NΑ
## code:factor-proportion proportion
                                      NA
                                                                 proportion
                                      rrdfqbcrnd0:ADSL_WEIGHTBL
## code:factor-weightbl
                          weightbl
                                                                 weightbl
## code:factor-_NONMISS_
                          _NONMISS_
## code:factor-quantity
                                      NA
                          quantity
                                                                 quantity
## code:factor-age
                          age
                                      rrdfqbcrnd0:ADSL_AGE
                                                                 age
## File /home/ma/projects/R-projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DEMOobservations
## [1] 2
##
##
## obs
            D2RQPropertyBridge
                                                              Rselectionvalue
## ds:obs007 http://www.example.org/datasets/vocab/ADSL_SEX
## ds:obs007 http://www.example.org/datasets/vocab/ADSL_TRT01A Placebo
## File /home/ma/projects/R-projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DEMOobservations
## File /home/ma/projects/R-projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DEMOobservations
## [1] 3
##
             rrdfqbcrnd0Rcolumnname
                                     Rselectionoperator
                                                         Rselectionvalue
## ds:obs027 trt01a
                                                         Xanomeline High Dose
## ds:obs056 trt01a
                                                         Xanomeline Low Dose
## ds:obs056
                                     ==
                                                         65-80
              agegr1
## File /home/ma/projects/R-projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DEMOobservations
## [1] 588
##
##
```

## ##	s 	ethnic	race	proced
	ds:obs103	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs103	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs103	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs103	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs014	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs014	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs014	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs014	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs014	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs014	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs014	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs014	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs089	code:ethnicALL_	code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE	code:p:
##	ds:obs089	code:ethnicALL_	code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE	code:p:
##	ds:obs089	code:ethnicALL_	code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE	code:p:
##	ds:obs089	code:ethnicALL_	code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE	code:p:
##	ds:obs089	code:ethnicALL_	code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE	code:p:
##	ds:obs089	code:ethnicALL_	code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE	code:p:
##	ds:obs089	code:ethnicALL_	code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE	code:p:
##	ds:obs089	code:ethnicALL_	code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE	code:p:
##	ds:obs019	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs019	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs019	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs019	code:ethnicALL_	code:raceALL_	code:p:
	ds:obs031	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs031	code:ethnicALL_	code:raceALL_	code:p:
##	ds:obs031	code:ethnicALL_	code:raceALL_	code:p:
	ds:obs031	code:ethnicALL_	code:raceALL_	code:p:
	ds:obs013	code:ethnicALL_	code:raceALL_	code:p:
	ds:obs013	code:ethnicALL_	code:raceALL_	code:p:
	ds:obs013	code:ethnicALL_	code:raceALL_	code:p:
	ds:obs013	code:ethnicALL_	code:raceALL_	code:p:
	ds:obs013	code:ethnicALL_	code:raceALL_	code:p:
	ds:obs013	code:ethnicALL_	code:raceALL_	code:p:
	ds:obs013	code:ethnicALL_	code:raceALL_	code:p:
	ds:obs013	code:ethnicALL_	code:raceALL_	code:p:
	ds:obs124	code:ethnic-NOT_HISPANIC_OR_LATINO	code:raceALL_	code:p:
	ds:obs124	code:ethnic-NOT_HISPANIC_OR_LATINO	code:raceALL_	code:p:
	ds:obs084	code:ethnicALL_	code:race-BLACK_OR_AFRICAN_AMERICAN	code:p:
	ds:obs084	code:ethnicALL_	code:race-BLACK_OR_AFRICAN_AMERICAN	code:p:
	ds:obs084	code:ethnicALL_	code:race-BLACK_OR_AFRICAN_AMERICAN	code:p:
	ds:obs084	code:ethnicALL_	code:race-BLACK_OR_AFRICAN_AMERICAN	code:p
	ds:obs084	code:ethnicALL_	code:race-BLACK_OR_AFRICAN_AMERICAN	code:p
	ds:obs084	<pre>code:ethnicALL_ code:ethnicALL_</pre>	<pre>code:race-BLACK_OR_AFRICAN_AMERICAN code:race-BLACK_OR_AFRICAN_AMERICAN</pre>	code:p:
	ds:obs084 ds:obs084	code:ethnicALL_	code:race-BLACK_OR_AFRICAN_AMERICAN	code:p
	ds:obs004 ds:obs129	code:ethnic-HISPANIC_OR_LATINO	code:race-ALL_	code:p
				code:p
	ds:obs129 ds:obs088	code:ethnic-HISPANIC_OR_LATINO code:ethnicALL_	<pre>code:raceALL_ code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE</pre>	code:p: code:p:
	ds:obs000	code:ethnicALL_	code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE	code:p.
	ds:obs088	code:ethnicALL_	code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE	code:p:
	ds:obs088	code:ethnicALL_	code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE	code:p:
ππ	45.005000	odd.commic _nbb_	COGC.1400 AMDICTORN_INDIAN_OR_NATIVE	code.p.

```
## ds:obs088
               code:ethnic-_ALL_
                                                      code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                    code:p
                                                      code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## ds:obs088
               code:ethnic-_ALL_
                                                                                                    code:p
## ds:obs088
               code:ethnic- ALL
                                                      code:race-AMERICAN INDIAN OR ALASKA NATIVE
                                                                                                    code:p
## ds:obs088
               code:ethnic-_ALL_
                                                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                    code:p
## ds:obs041
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs041
               code:ethnic- ALL
                                                     code:race- ALL
                                                                                                    code:p
## ds:obs041
               code:ethnic- ALL
                                                     code:race- ALL
                                                                                                    code:p
               code:ethnic- ALL
## ds:obs041
                                                      code:race- ALL
                                                                                                    code:p
## ds:obs123
               code:ethnic-NOT_HISPANIC_OR_LATINO
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs123
               code:ethnic-NOT_HISPANIC_OR_LATINO
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs094
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs094
                                                      code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs094
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs094
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs098
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs098
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs098
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs098
               code:ethnic- ALL
                                                     code:race- ALL
                                                                                                    code:p
## ds:obs048
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs048
                                                                                                    code:p
## ds:obs048
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs048
               code:ethnic- ALL
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs093
                                                                                                    code:p
                                                                                                    code:p
## ds:obs093
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs093
               code:ethnic- ALL
                                                     code:race- ALL
                                                                                                    code:p
## ds:obs093
               code:ethnic- ALL
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs097
                                                                                                    code:p
## ds:obs097
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs097
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
                                                     code:race-_ALL_
## ds:obs097
               code:ethnic-_ALL_
                                                                                                    code:p
## ds:obs021
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs021
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs021
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs021
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs058
                                                                                                    code:p
## ds:obs058
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs132
               code:ethnic-HISPANIC OR LATINO
                                                      code:race- ALL
                                                                                                    code:p
## ds:obs132
               code:ethnic-HISPANIC_OR_LATINO
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs027
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs027
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs027
               code:ethnic- ALL
                                                     code:race- ALL
                                                                                                    code:p
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs027
                                                                                                    code:p
## ds:obs020
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs020
                                                                                                    code:p
## ds:obs020
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
                                                      code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs020
                                                                                                    code:p
## ds:obs056
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs056
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs130
               code:ethnic-HISPANIC_OR_LATINO
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs130
               code:ethnic-HISPANIC_OR_LATINO
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs051
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs051
               code:ethnic-_ALL_
                                                     code:race- ALL
                                                                                                    code:p
## ds:obs007
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs007
                                                     code:race-_ALL_
                                                                                                    code:p
```

```
## ds:obs007
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs007
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs007
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs007
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs007
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs007
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs055
               code:ethnic- ALL
                                                     code:race- ALL
               code:ethnic- ALL
## ds:obs055
                                                     code:race- ALL
## ds:obs076
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs076
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs076
               code:ethnic-_ALL_
                                                     code:race-WHITE
               code:ethnic-_ALL_
## ds:obs076
                                                     code:race-WHITE
               code:ethnic-_ALL_
## ds:obs076
                                                     code:race-WHITE
## ds:obs076
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs076
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs076
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs117
               code:ethnic-_NONMISS_
                                                     code:race-_ALL_
## ds:obs117
               code:ethnic- NONMISS
                                                     code:race- ALL
               code:ethnic-_NONMISS_
## ds:obs117
                                                     code:race-_ALL_
## ds:obs117
               code:ethnic-_NONMISS_
                                                     code:race-_ALL_
## ds:obs072
               code:ethnic-_ALL_
                                                     code:race-_NONMISS_
## ds:obs072
                                                     code:race-_NONMISS_
               code:ethnic-_ALL_
                                                     code:race-_NONMISS_
## ds:obs072
               code:ethnic-_ALL_
## ds:obs072
               code:ethnic-_ALL_
                                                     code:race-_NONMISS_
## ds:obs001
                                                     code:race-_ALL_
               code:ethnic- ALL
## ds:obs001
               code:ethnic- ALL
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs001
## ds:obs001
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs026
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                     code:race-_ALL_
## ds:obs026
               code:ethnic-_ALL_
## ds:obs026
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs026
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs006
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs006
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs006
## ds:obs006
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs106
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs106
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs106
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs106
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs061
               code:ethnic- ALL
                                                     code:race- ALL
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs061
## ds:obs065
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs065
## ds:obs111
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs111
## ds:obs111
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs111
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs071
                                                     code:race-_NONMISS_
## ds:obs071
               code:ethnic-_ALL_
                                                     code:race-_NONMISS_
## ds:obs071
               code:ethnic-_ALL_
                                                     code:race-_NONMISS_
## ds:obs071
               code:ethnic-_ALL_
                                                     code:race- NONMISS
## ds:obs116
               code:ethnic-_NONMISS_
                                                     code:race-_ALL_
## ds:obs116
               code:ethnic-_NONMISS_
                                                     code:race-_ALL_
```

code:p

```
## ds:obs116
               code:ethnic-_NONMISS_
                                                     code:race-_ALL_
                                                     code:race-_ALL_
## ds:obs116
               code:ethnic-_NONMISS_
                                                     code:race-WHITE
## ds:obs075
               code:ethnic- ALL
## ds:obs075
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs075
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs075
               code:ethnic- ALL
                                                     code:race-WHITE
## ds:obs075
               code:ethnic- ALL
                                                     code:race-WHITE
               code:ethnic- ALL
## ds:obs075
                                                     code:race-WHITE
## ds:obs075
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs075
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs100
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs100
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs100
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs100
## ds:obs105
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs105
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs105
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs105
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs060
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs060
## ds:obs016
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs016
               code:ethnic- ALL
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs016
## ds:obs016
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs016
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs016
               code:ethnic- ALL
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs016
## ds:obs016
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs064
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs064
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs036
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs036
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs036
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs036
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs110
                                                     code:race-_ALL_
## ds:obs110
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs110
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs110
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                     code:race-_ALL_
               code:ethnic-NOT_HISPANIC_OR_LATINO
## ds:obs126
               code:ethnic-NOT_HISPANIC_OR_LATINO
## ds:obs126
                                                     code:race-_ALL_
## ds:obs081
               code:ethnic- ALL
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
## ds:obs081
               code:ethnic- ALL
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
## ds:obs081
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
## ds:obs081
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
## ds:obs081
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
               code:ethnic-_ALL_
## ds:obs081
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
## ds:obs081
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
## ds:obs081
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
               code:ethnic-_ALL_
## ds:obs010
                                                     code:race-_ALL_
## ds:obs010
               code:ethnic-_ALL_
                                                     code:race-_ALL_
```

code:p

```
## ds:obs010
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs010
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
                                                      code:race-AMERICAN INDIAN OR ALASKA NATIVE
## ds:obs085
               code:ethnic- ALL
                                                                                                    code:p
## ds:obs085
               code:ethnic-_ALL_
                                                      code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                    code:p
## ds:obs085
               code:ethnic-_ALL_
                                                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                    code:p
                                                     code:race-AMERICAN INDIAN OR ALASKA NATIVE
## ds:obs085
               code:ethnic- ALL
                                                                                                    code:p
                                                     code:race-AMERICAN INDIAN OR ALASKA NATIVE
## ds:obs085
               code:ethnic- ALL
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs085
                                                      code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                    code:p
## ds:obs085
               code:ethnic-_ALL_
                                                      code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                    code:p
## ds:obs085
               code:ethnic-_ALL_
                                                      code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                    code:p
## ds:obs035
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs035
                                                      code:race-_ALL_
                                                                                                    code:p
                                                     code:race-_ALL_
## ds:obs035
               code:ethnic-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs035
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs120
               code:ethnic-_NONMISS_
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs120
               code:ethnic-_NONMISS_
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs120
               code:ethnic-_NONMISS_
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs120
               code:ethnic- NONMISS
                                                      code:race- ALL
                                                                                                    code:p
## ds:obs080
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs080
                                                      code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
## ds:obs080
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
               code:ethnic-_ALL_
                                                      code:race-BLACK_OR_AFRICAN_AMERICAN
## ds:obs080
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs080
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
## ds:obs080
               code:ethnic-_ALL_
## ds:obs080
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
## ds:obs080
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs033
                                                                                                    code:p
## ds:obs033
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs033
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs033
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs090
               code:ethnic-_ALL_
                                                      code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs090
                                                      code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                    code:p
                                                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## ds:obs090
               code:ethnic-_ALL_
                                                                                                    code:p
## ds:obs090
               code:ethnic- ALL
                                                     code:race-AMERICAN INDIAN OR ALASKA NATIVE
                                                                                                    code:p
## ds:obs090
               code:ethnic-_ALL_
                                                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                    code:p
## ds:obs015
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs015
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs015
               code:ethnic- ALL
                                                     code:race- ALL
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-\_ALL_
## ds:obs015
                                                                                                    code:p
## ds:obs015
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs015
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs015
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
                                                      code:race-_ALL_
## ds:obs015
                                                                                                    code:p
## ds:obs043
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs043
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs043
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs043
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
               code:ethnic-NOT_HISPANIC_OR_LATINO
## ds:obs125
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs125
               code:ethnic-NOT_HISPANIC_OR_LATINO
                                                      code:race- ALL
                                                                                                    code:p
## ds:obs042
               code:ethnic-_ALL_
                                                      code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs042
                                                     code:race-_ALL_
                                                                                                    code:p
```

##	ds:obs042	code:ethnicALL_	code:raceALL_
	ds:obs042	code:ethnicALL_	code:raceALL_
##	ds:obs095	code:ethnicALL_	code:raceALL_
##	ds:obs095	code:ethnicALL_	code:raceALL_
##	ds:obs095	code:ethnicALL_	code:raceALL_
##	ds:obs095	code:ethnicALL_	code:raceALL_
##	ds:obs099	code:ethnicALL_	code:raceALL_
##	ds:obs099	code:ethnicALL_	code:raceALL_
##	ds:obs099	code:ethnicALL_	code:raceALL_
##	ds:obs099	code:ethnicALL_	code:raceALL_
##	ds:obs052	code:ethnicALL_	code:raceALL_
##	ds:obs052	code:ethnicALL_	code:raceALL_
##	ds:obs029	code:ethnicALL_	code:raceALL_
##	ds:obs029	code:ethnicALL_	code:raceALL_
##	ds:obs029	code:ethnicALL_	code:raceALL_
##	ds:obs029	code:ethnicALL_	code:raceALL_
##	ds:obs023	code:ethnicALL_	code:raceALL_
##	ds:obs023	code:ethnicALL_	code:raceALL_
##	ds:obs023	code:ethnicALL_	code:raceALL_
##	ds:obs023	code:ethnicALL_	code:raceALL_
##	ds:obs059	code:ethnicALL_	code:raceALL_
##	ds:obs059	code:ethnicALL_	code:raceALL_
##	ds:obs028	code:ethnicALL_	code:raceALL_
##	ds:obs028	code:ethnicALL_	code:raceALL_
##	ds:obs028	code:ethnicALL_	code:raceALL_
##	ds:obs028	code:ethnicALL_	code:raceALL_
##	ds:obs022	code:ethnicALL_	code:raceALL_
##	ds:obs022	code:ethnicALL_	code:raceALL_
##	ds:obs022	code:ethnicALL_	code:raceALL_
##	ds:obs022	code:ethnicALL_	code:raceALL_
##	ds:obs009	code:ethnicALL_	code:raceALL_
##	ds:obs009	code:ethnicALL_	code:raceALL_
##	ds:obs009	code:ethnicALL_	code:raceALL_
##	ds:obs009	code:ethnicALL_	code:raceALL_
##	ds:obs009	code:ethnicALL_	code:raceALL_
##	ds:obs009	code:ethnicALL_	code:raceALL_
##	ds:obs009	code:ethnicALL_	code:raceALL_
##	ds:obs009	code:ethnicALL_	code:raceALL_
##	ds:obs057	code:ethnicALL_	code:raceALL_
##	ds:obs057	code:ethnicALL_	code:raceALL_
##	ds:obs038	code:ethnicALL_	code:raceALL_
##	ds:obs038	code:ethnicALL_	code:raceALL_
##	ds:obs038	code:ethnicALL_	code:raceALL_
##	ds:obs038	code:ethnicALL_	code:raceALL_
##	ds:obs003	code:ethnicALL_	code:raceALL_
##	ds:obs003	code:ethnicALL_	code:raceALL_
	ds:obs003	code:ethnicALL_	code:raceALL_
	ds:obs003	code:ethnicALL_	code:raceALL_
	ds:obs119	code:ethnicNONMISS_	code:raceALL_
	ds:obs078	code:ethnicALL_	code:race-WHITE
##	ds:obs078	code:ethnicALL_	code:race-WHITE

code:p code:p

```
## ds:obs078
               code:ethnic- ALL
                                                     code:race-WHITE
## ds:obs078
               code:ethnic-_ALL_
                                                     code:race-WHITE
                                                     code:race-WHITE
## ds:obs078
               code:ethnic- ALL
## ds:obs078
               code:ethnic-_ALL_
                                                     code:race-WHITE
               code:ethnic-_ALL_
## ds:obs078
                                                     code:race-WHITE
## ds:obs078
               code:ethnic- ALL
                                                     code:race-WHITE
## ds:obs008
               code:ethnic- ALL
                                                     code:race- ALL
               code:ethnic- ALL
## ds:obs008
                                                     code:race- ALL
## ds:obs008
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs008
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs008
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs008
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs008
                                                     code:race-_ALL_
## ds:obs008
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs108
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs108
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs108
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs108
               code:ethnic- ALL
                                                     code:race- ALL
               code:ethnic-_NONMISS_
## ds:obs118
                                                     code:race-_ALL_
                                                     code:race-_ALL_
## ds:obs118
               code:ethnic-_NONMISS_
## ds:obs118
               code:ethnic-_NONMISS_
                                                     code:race-_ALL_
## ds:obs118
               code:ethnic-_NONMISS_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_NONMISS_
## ds:obs067
## ds:obs067
               code:ethnic-_ALL_
                                                     code:race-_NONMISS_
## ds:obs067
               code:ethnic- ALL
                                                     code:race-_NONMISS_
## ds:obs067
               code:ethnic- ALL
                                                     code:race- NONMISS
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs018
## ds:obs018
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs018
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                     code:race-_ALL_
## ds:obs018
               code:ethnic-_ALL_
## ds:obs018
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs018
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs018
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs018
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs113
                                                     code:race-_ALL_
## ds:obs113
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs113
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs113
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs073
                                                     code:race-WHITE
## ds:obs073
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs073
               code:ethnic- ALL
                                                     code:race-WHITE
## ds:obs073
               code:ethnic- ALL
                                                     code:race-WHITE
## ds:obs073
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs073
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs073
               code:ethnic-_ALL_
                                                     code:race-WHITE
               code:ethnic-_ALL_
## ds:obs073
                                                     code:race-WHITE
## ds:obs002
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs002
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs002
                                                     code:race-_ALL_
## ds:obs002
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs102
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs102
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs102
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs102
               code:ethnic-_ALL_
                                                     code:race-_ALL_
```

code:p

```
## ds:obs077
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs077
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs077
               code:ethnic- ALL
                                                     code:race-WHITE
## ds:obs077
               code:ethnic-_ALL_
                                                     code:race-WHITE
               code:ethnic-_ALL_
## ds:obs077
                                                     code:race-WHITE
## ds:obs077
               code:ethnic- ALL
                                                     code:race-WHITE
## ds:obs077
               code:ethnic- ALL
                                                     code:race-WHITE
               code:ethnic- ALL
## ds:obs077
                                                     code:race-WHITE
## ds:obs107
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs107
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs107
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs107
               code:ethnic-_ALL_
## ds:obs062
                                                     code:race-_ALL_
                                                     code:race-_ALL_
## ds:obs062
               code:ethnic-_ALL_
## ds:obs030
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs030
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs030
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs030
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs066
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs066
## ds:obs112
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs112
               code:ethnic- ALL
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs112
## ds:obs112
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs128
               code:ethnic-HISPANIC OR LATINO
                                                     code:race- ALL
## ds:obs128
               code:ethnic-HISPANIC OR LATINO
                                                     code:race- ALL
## ds:obs083
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
               code:ethnic-_ALL_
## ds:obs101
                                                     code:race-_ALL_
## ds:obs101
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs101
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs101
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs012
                                                     code:race-_ALL_
## ds:obs012
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs012
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs012
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs012
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs012
## ds:obs012
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs012
## ds:obs017
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs017
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs017
                                                     code:race-_ALL_
## ds:obs017
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs017
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs017
               code:ethnic-_ALL_
                                                     code:race- ALL
## ds:obs017
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs017
               code:ethnic-_ALL_
                                                     code:race-_ALL_
```

code:p

```
code:ethnic-_ALL_
## ds:obs087
                                                     code:race-AMERICAN INDIAN OR ALASKA NATIVE
                                                                                                    code:p
                                                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## ds:obs087
               code:ethnic-_ALL_
                                                                                                    code:p
## ds:obs087
               code:ethnic- ALL
                                                     code:race-AMERICAN INDIAN OR ALASKA NATIVE
                                                                                                    code:p
## ds:obs087
               code:ethnic-_ALL_
                                                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                    code:p
## ds:obs087
               code:ethnic-_ALL_
                                                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                    code:p
                                                     code:race-AMERICAN INDIAN OR ALASKA NATIVE
## ds:obs087
               code:ethnic- ALL
                                                                                                    code:p
                                                     code:race-AMERICAN INDIAN OR ALASKA NATIVE
## ds:obs087
               code:ethnic- ALL
                                                                                                    code:p
               code:ethnic- ALL
                                                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## ds:obs087
                                                                                                    code:p
## ds:obs037
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs037
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs037
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs037
                                                                                                    code:p
## ds:obs122
               code:ethnic-NOT_HISPANIC_OR_LATINO
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs122
               code:ethnic-NOT_HISPANIC_OR_LATINO
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs127
               code:ethnic-HISPANIC_OR_LATINO
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs127
               code:ethnic-HISPANIC_OR_LATINO
                                                      code:race-_ALL_
                                                                                                    code:p
## ds:obs011
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs011
               code:ethnic- ALL
                                                     code:race- ALL
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs011
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs011
                                                                                                    code:p
## ds:obs011
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs011
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs011
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs011
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs082
               code:ethnic- ALL
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
## ds:obs082
               code:ethnic- ALL
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
## ds:obs082
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
## ds:obs082
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
## ds:obs082
               code:ethnic-_ALL_
                                                                                                    code:p
## ds:obs082
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
## ds:obs082
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs082
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
## ds:obs086
               code:ethnic-_ALL_
                                                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                    code:p
                                                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## ds:obs086
               code:ethnic-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs086
                                                     code:race-AMERICAN INDIAN OR ALASKA NATIVE
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## ds:obs086
                                                                                                    code:p
## ds:obs086
               code:ethnic- ALL
                                                     code:race-AMERICAN INDIAN OR ALASKA NATIVE
                                                                                                    code:p
## ds:obs086
               code:ethnic-_ALL_
                                                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## ds:obs086
                                                                                                    code:p
                                                     code:race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## ds:obs086
               code:ethnic-_ALL_
                                                                                                    code:p
## ds:obs047
               code:ethnic- ALL
                                                     code:race- ALL
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race- ALL
## ds:obs047
                                                                                                    code:p
## ds:obs047
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs047
                                                                                                    code:p
## ds:obs121
               code:ethnic-NOT_HISPANIC_OR_LATINO
                                                     code:race-_ALL_
                                                                                                    code:p
                                                      code:race-_ALL_
               code:ethnic-NOT_HISPANIC_OR_LATINO
## ds:obs121
                                                                                                    code:p
## ds:obs092
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs096
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
```

```
## ds:obs046
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs046
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs046
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs046
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs045
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs045
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs045
               code:ethnic- ALL
                                                     code:race- ALL
               code:ethnic- ALL
## ds:obs045
                                                     code:race- ALL
## ds:obs131
               code:ethnic-HISPANIC_OR_LATINO
                                                     code:race-_ALL_
## ds:obs131
               code:ethnic-HISPANIC_OR_LATINO
                                                     code:race-_ALL_
## ds:obs091
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs091
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs091
                                                     code:race-_ALL_
## ds:obs091
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs040
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs040
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs040
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs040
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs044
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs044
## ds:obs044
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs044
               code:ethnic- ALL
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs050
## ds:obs050
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs054
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs054
               code:ethnic- ALL
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs005
## ds:obs005
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs005
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                     code:race-_ALL_
## ds:obs005
               code:ethnic-_ALL_
## ds:obs053
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs053
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs025
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs025
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs025
## ds:obs025
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs115
               code:ethnic- NONMISS
                                                     code:race- ALL
## ds:obs115
               code:ethnic-_NONMISS_
                                                     code:race-_ALL_
               code:ethnic-_NONMISS_
                                                     code:race-_ALL_
## ds:obs115
## ds:obs115
               code:ethnic-_NONMISS_
                                                     code:race-_ALL_
## ds:obs070
               code:ethnic- ALL
                                                     code:race- NONMISS
                                                     code:race-_NONMISS_
## ds:obs070
               code:ethnic- ALL
## ds:obs070
               code:ethnic-_ALL_
                                                     code:race-_NONMISS_
                                                     code:race-_NONMISS_
## ds:obs070
               code:ethnic-_ALL_
## ds:obs074
               code:ethnic-_ALL_
                                                     code:race-WHITE
               code:ethnic-_ALL_
## ds:obs074
                                                     code:race-WHITE
## ds:obs074
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs074
               code:ethnic-_ALL_
                                                     code:race-WHITE
               code:ethnic-_ALL_
## ds:obs074
                                                     code:race-WHITE
## ds:obs074
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs074
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs074
               code:ethnic-_ALL_
                                                     code:race-WHITE
## ds:obs104
               code:ethnic-_ALL_
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs104
                                                     code:race-_ALL_
```

code:p

```
## ds:obs104
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs104
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic- ALL
## ds:obs024
                                                     code:race- ALL
                                                                                                    code:p
## ds:obs024
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs024
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs024
               code:ethnic- ALL
                                                     code:race- ALL
                                                                                                    code:p
## ds:obs063
               code:ethnic- ALL
                                                     code:race- ALL
                                                                                                    code:p
## ds:obs063
               code:ethnic-_ALL_
                                                     code:race- ALL
                                                                                                    code:p
## ds:obs034
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs034
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs034
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs034
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs039
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs039
                                                                                                    code:p
## ds:obs039
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs039
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs069
               code:ethnic-_ALL_
                                                     code:race-_NONMISS_
                                                                                                    code:p
## ds:obs069
               code:ethnic- ALL
                                                     code:race- NONMISS
                                                                                                    code:p
                                                     code:race-_NONMISS_
## ds:obs069
               code:ethnic-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs069
                                                     code:race-_NONMISS_
                                                                                                    code:p
## ds:obs004
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs004
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs004
                                                     code:race-_ALL_
                                                                                                    code:p
                                                                                                    code:p
## ds:obs004
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs079
               code:ethnic- ALL
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
## ds:obs079
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
## ds:obs079
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
## ds:obs079
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
## ds:obs079
               code:ethnic-_ALL_
                                                                                                    code:p
## ds:obs079
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
## ds:obs079
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
## ds:obs079
               code:ethnic-_ALL_
                                                     code:race-BLACK_OR_AFRICAN_AMERICAN
                                                                                                    code:p
## ds:obs109
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs109
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-_ALL_
## ds:obs109
                                                                                                    code:p
## ds:obs109
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs068
               code:ethnic- ALL
                                                     code:race- NONMISS
                                                                                                    code:p
## ds:obs068
               code:ethnic-_ALL_
                                                     code:race-_NONMISS_
                                                                                                    code:p
               code:ethnic-_ALL_
                                                     code:race-_NONMISS_
## ds:obs068
                                                                                                    code:p
## ds:obs068
               code:ethnic-_ALL_
                                                     code:race-_NONMISS_
                                                                                                    code:p
## ds:obs032
               code:ethnic- ALL
                                                     code:race- ALL
                                                                                                    code:p
               code:ethnic- ALL
                                                     code:race- ALL
## ds:obs032
                                                                                                    code:p
## ds:obs032
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs032
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs049
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
                                                     code:race-_ALL_
               code:ethnic-_ALL_
## ds:obs049
                                                                                                    code:p
## ds:obs114
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs114
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
               code:ethnic-_ALL_
## ds:obs114
                                                     code:race-_ALL_
                                                                                                    code:p
## ds:obs114
               code:ethnic-_ALL_
                                                     code:race-_ALL_
                                                                                                    code:p
## File /home/ma/projects/R-projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DEMOprocedure-co
## [1] 100
##
##
```

```
## -----
## code:procedure-min
                            skos:topConceptOf
                                                               code:procedure
## code:procedure-min
                            skos:prefLabel
                                                               min
## code:procedure-min
                            skos:inScheme
                                                               code:procedure
                            rrdfqbcrnd0:RdescStatDefFun
                                                               function (x) {
                                                                                   min(x, na.rm = TRUE)
## code:procedure-min
## code:procedure-min
                            rrdfqbcrnd0:R-selectionvalue
## code:procedure-min
                            rrdfqbcrnd0:R-selectionoperator
## code:procedure-min
                            rdfs:comment
                                                               Descriptive statistics min
## code:procedure-min
                            rdf:type
                                                               skos:Concept
## code:procedure-min
                            rdf:type
                                                               code:Procedure
                            skos:topConceptOf
## code:procedure-std
                                                               code:procedure
## code:procedure-std
                            skos:prefLabel
                                                               code:procedure
## code:procedure-std
                            skos:inScheme
## code:procedure-std
                            rrdfqbcrnd0:RdescStatDefFun
                                                               function (x) {
                                                                                    sd(x, na.rm = TRUE) }
## code:procedure-std
                            rrdfqbcrnd0:R-selectionvalue
                                                               std
## code:procedure-std
                            rrdfqbcrnd0:R-selectionoperator
## code:procedure-std
                            rdfs:comment
                                                               Descriptive statistics std
                                                               skos:Concept
## code:procedure-std
                            rdf:type
## code:procedure-std
                            rdf:type
                                                               code:Procedure
## code:procedure-q3
                            skos:topConceptOf
                                                               code:procedure
## code:procedure-q3
                            skos:prefLabel
## code:procedure-q3
                            skos:inScheme
                                                               code:procedure
## code:procedure-q3
                            rrdfqbcrnd0:RdescStatDefFun
                                                               function (x) {
                                                                                    quantile(x, probs = c
## code:procedure-q3
                            rrdfqbcrnd0:R-selectionvalue
                                                               q3
## code:procedure-q3
                            rrdfqbcrnd0:R-selectionoperator
## code:procedure-q3
                            rdfs:comment
                                                               Descriptive statistics q3
## code:procedure-q3
                            rdf:type
                                                               skos:Concept
## code:procedure-q3
                            rdf:type
                                                               code:Procedure
## code:procedure-median
                            skos:topConceptOf
                                                               code:procedure
## code:procedure-median
                            skos:prefLabel
                                                               median
## code:procedure-median
                            skos:inScheme
                                                               code:procedure
## code:procedure-median
                            rrdfqbcrnd0:RdescStatDefFun
                                                               function (x) {
                                                                                    median(x, na.rm = TRU)
## code:procedure-median
                            rrdfqbcrnd0:R-selectionvalue
                                                               median
## code:procedure-median
                            rrdfqbcrnd0:R-selectionoperator
## code:procedure-median
                            rdfs:comment
                                                               Descriptive statistics median
## code:procedure-median
                            rdf:type
                                                               skos:Concept
## code:procedure-median
                                                               code:Procedure
                            rdf:type
## code:procedure-count
                            skos:topConceptOf
                                                               code:procedure
                            skos:prefLabel
## code:procedure-count
                                                               count
## code:procedure-count
                            skos:inScheme
                                                               code:procedure
## code:procedure-count
                            rrdfqbcrnd0:RdescStatDefFun
                                                               function (x) {
                                                                                   length(x) }
## code:procedure-count
                            rrdfqbcrnd0:R-selectionvalue
## code:procedure-count
                            rrdfqbcrnd0:R-selectionoperator
## code:procedure-count
                            rdfs:comment
                                                               Descriptive statistics count
## code:procedure-count
                            rdf:type
                                                               skos:Concept
                            rdf:type
## code:procedure-count
                                                               code:Procedure
                            skos:topConceptOf
## code:procedure-max
                                                               code:procedure
## code:procedure-max
                            skos:prefLabel
                                                               max
## code:procedure-max
                            skos:inScheme
                                                               code:procedure
## code:procedure-max
                                                               function (x) {
                            rrdfqbcrnd0:RdescStatDefFun
                                                                                   max(x, na.rm = TRUE)
## code:procedure-max
                            rrdfqbcrnd0:R-selectionvalue
## code:procedure-max
                            rrdfqbcrnd0:R-selectionoperator
## code:procedure-max
                            rdfs:comment
                                                               Descriptive statistics max
```

```
## code:procedure-max
                             rdf:type
                                                                skos:Concept
## code:procedure-max
                             rdf:type
                                                                code:Procedure
## code:procedure-mean
                             skos:topConceptOf
                                                                code:procedure
## code:procedure-mean
                             skos:prefLabel
                                                                mean
## code:procedure-mean
                             skos:inScheme
                                                                code:procedure
                             rrdfqbcrnd0:RdescStatDefFun
                                                                function (x) {
                                                                                    mean(x, na.rm = TRUE)
## code:procedure-mean
                            rrdfqbcrnd0:R-selectionvalue
## code:procedure-mean
                                                                mean
                             rrdfqbcrnd0:R-selectionoperator
## code:procedure-mean
## code:procedure-mean
                             rdfs:comment
                                                                Descriptive statistics mean
## code:procedure-mean
                             rdf:type
                                                                skos:Concept
## code:procedure-mean
                             rdf:type
                                                                code:Procedure
## code:procedure-q1
                             skos:topConceptOf
                                                                code:procedure
## code:procedure-q1
                             skos:prefLabel
                                                                q1
                             skos:inScheme
## code:procedure-q1
                                                                code:procedure
## code:procedure-q1
                            rrdfqbcrnd0:RdescStatDefFun
                                                                function (x) {
                                                                                    quantile(x, probs = c
## code:procedure-q1
                             rrdfqbcrnd0:R-selectionvalue
                                                                q1
                             rrdfqbcrnd0:R-selectionoperator
## code:procedure-q1
## code:procedure-q1
                             rdfs:comment
                                                                Descriptive statistics q1
                                                                skos:Concept
## code:procedure-q1
                            rdf:type
## code:procedure-q1
                            rdf:type
                                                                code:Procedure
## code:procedure-n
                             skos:topConceptOf
                                                                code:procedure
## code:procedure-n
                             skos:prefLabel
                             skos:inScheme
## code:procedure-n
                                                                code:procedure
                             rrdfqbcrnd0:RdescStatDefFun
                                                                function (x) {
                                                                                    length(x[!is.na(x)])
## code:procedure-n
## code:procedure-n
                             rrdfqbcrnd0:R-selectionvalue
## code:procedure-n
                             rrdfqbcrnd0:R-selectionoperator
## code:procedure-n
                             rdfs:comment
                                                                Descriptive statistics n
## code:procedure-n
                             rdf:type
                                                                skos:Concept
## code:procedure-n
                             rdf:type
                                                                code:Procedure
## code:procedure-percent
                             skos:topConceptOf
                                                                code:procedure
## code:procedure-percent
                             skos:prefLabel
                                                                percent
## code:procedure-percent
                             skos:inScheme
                                                                code:procedure
## code:procedure-percent
                             rrdfqbcrnd0:RdescStatDefFun
                                                                function (x) {
                                                                                    -1 }
## code:procedure-percent
                             rrdfqbcrnd0:R-selectionvalue
                                                                percent
## code:procedure-percent
                             rrdfqbcrnd0:R-selectionoperator
                            rdfs:comment
                                                                Descriptive statistics percent
## code:procedure-percent
## code:procedure-percent
                            rdf:type
                                                                skos:Concept
## code:procedure-percent
                            rdf:type
                                                                code:Procedure
## code:procedure-q3
                                                                rdfs:Resource
                             rdf:type
## code:procedure-mean
                            rdf:type
                                                                rdfs:Resource
## code:procedure-q1
                            rdf:type
                                                                rdfs:Resource
## code:procedure-std
                            rdf:type
                                                                rdfs:Resource
## code:procedure-count
                             rdf:type
                                                                rdfs:Resource
## code:procedure-median
                                                                rdfs:Resource
                             rdf:type
## code:procedure-percent
                             rdf:type
                                                                rdfs:Resource
## code:procedure-min
                             rdf:type
                                                                rdfs:Resource
## code:procedure-max
                            rdf:type
                                                                rdfs:Resource
## code:procedure-n
                            rdf:type
                                                                rdfs:Resource
## File /home/ma/projects/R-projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DEMOprocedure-me
## [1] 10
##
##
```

```
## code:procedure-median
                          skos:topConceptOf
                                                           code:procedure
## code:procedure-median
                          skos:prefLabel
                                                           median
                          skos:inScheme
                                                           code:procedure
## code:procedure-median
                                                           function (x) {
## code:procedure-median
                          rrdfqbcrnd0:RdescStatDefFun
                                                                              median(x, na.rm = TRUE
## code:procedure-median
                          rrdfqbcrnd0:R-selectionvalue
                                                           median
## code:procedure-median
                          rrdfqbcrnd0:R-selectionoperator
## code:procedure-median
                          rdfs:comment
                                                           Descriptive statistics median
## code:procedure-median
                          rdf:type
                                                           skos:Concept
## code:procedure-median
                          rdf:type
                                                           code:Procedure
## code:procedure-median
                          rdf:type
                                                           rdfs:Resource
## File /home/ma/projects/R-projects/rrdfqbcrnd0/rrdfqbcrndex/inst/extdata/sample-rdf/DEM0procedure.rq
## [1] 10
##
## procedure
                          prefLabel
                                      functiondef
## code:procedure-max
                                      function (x) {
                                                          max(x, na.rm = TRUE) }
                        max
## code:procedure-std
                         std
                                     function (x) {
                                                          sd(x, na.rm = TRUE) }
                                     function (x) {
                                                          mean(x, na.rm = TRUE) }
## code:procedure-mean
                          mean
                                     function (x) {
## code:procedure-min
                          min
                                                          min(x, na.rm = TRUE) }
## code:procedure-percent percent function (x) {
                                                          -1 }
## code:procedure-count
                                    function (x) {
                                                          length(x) }
                         count
                                      function (x) {
## code:procedure-q3
                                                          quantile(x, probs = c(0.75), na.rm = TRUE)
                          q3
## code:procedure-n
                                     function (x) {
                                                          length(x[!is.na(x)]) }
                          n
                                    function (x) {
                                                          median(x, na.rm = TRUE) }
## code:procedure-median
                          median
                                                          quantile(x, probs = c(0.25), na.rm = TRUE)
## code:procedure-q1
                           q1
                                      function (x) {
```

This works do not change

```
dsdName<- GetDsdNameFromCube( store )
domainName<- GetDomainNameFromCube( store )
cat("dsdName ", dsdName, ", domainName ", domainName, "\n" )</pre>
```

dsdName dsd-DEMO , domainName DEMO

```
forsparqlprefix<- GetForSparqlPrefix( domainName )
cat(forsparqlprefix,"\n")</pre>
```

```
## prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
## prefix skos: <http://www.w3.org/2004/02/skos/core#>
## prefix prov: <http://www.w3.org/ns/prov#>
## prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#>
## prefix dcat: <http://www.w3.org/sdcat#>
## prefix owl: <http://www.w3.org/2002/07/owl#>
## prefix xsd: <http://www.w3.org/2001/XMLSchema#>
## prefix qb: <http://purl.org/linked-data/cube#>
## prefix dct: <http://purl.org/pav>
## prefix dct: <http://purl.org/dc/terms/>
## prefix cts: <http://rdf.cdisc.org/mms#>
## prefix qb: <http://rdf.cdisc.org/ct/schema#>
## prefix qb: <http://rdf.cdisc.org/ct/schema#>
## prefix qb: <http://purl.org/linked-data/cube#>
```

```
## prefix rrdfqbcrnd0: <http://www.example.org/rrdfqbcrnd0/>
## prefix code: <http://www.example.org/dc/code/>
## prefix dccs: <http://www.example.org/dc/demo/dccs/>
## prefix ds: <http://www.example.org/dc/demo/ds/>
## prefix crnd-dimension: <http://www.example.org/dc/dimension#>
## prefix crnd-attribute: <http://www.example.org/dc/attribute#>
## prefix crnd-measure: <http://www.example.org/dc/measure#>
##
```

S	p	0
ds:obs114 ds:obs114 ds:obs114 ds:obs114 ds:obs114 ds:obs114	crnd-dimension:factor crnd-dimension:trt01a crnd-dimension:sex crnd-dimension:ethnic crnd-dimension:procedure crnd-dimension:race crnd-dimension:agegr1	code:factor-weightbl code:trt01a-Xanomeline_High_Dose code:sex- ALL code:ethnic- ALL code:procedure-min code:race- ALL code:agegr1- ALL

Getting triples with information of object if literal

```
cons.rq<- paste( forsparqlprefix,
,
construct { ?s ?p ?o }
where {
    ?s ?p ?o .
BIND( datatype(?o) as ?datatype )
BIND( isLiteral(?o) as ?isLiteral )
BIND( lang(?o) as ?lang )
values (?s) {
    (ds:obs114)</pre>
```

```
}
}
',
"\n"
)
save.rdf(construct.rdf( store, cons.rq) , file.path(tempdir(), "rapperin.ttl"), "TURTLE")
```

```
## [1] "/tmp/RtmpRvLtKi/rapperin.ttl"
```

To see dot code generated by rapper:

```
rapper -i turtle -o dot /tmp/Rtmpcccgdg/rapperin.ttl
```

To display the dot code

```
rapper -i turtle -o dot /tmp/Rtmpcccgdg/rapperin.ttl | dot -x -Tpdf -ograph.pdf
```

See also (http://www.bioconductor.org/packages/release/bioc/vignettes/Rgraphviz/inst/doc/Rgraphviz.pdf) for Rgraphviz package - may be used to display graphs.

ToDo(MJA): move this to another package - is more an example of R code for making Rgraphvis statement

```
rq<- paste( forsparqlprefix,
,'
select *
where {
?s ?p ?o .
BIND( datatype(?o) as ?datatype )
BIND( isLiteral(?o) as ?isLiteral )
BIND( lang(?o) as ?lang )
values (?s) {
    (ds:obs114)
}
}
,'
"\n"
)

res<- sparql.rdf(store, rq)
knitr::kable(res)

dimnames(res)

allIRI<- c( res[,1],res[,2])
uallIRI<- unique(allIRI)
L<- list()
for (i in 1:length(uallIRI) ) {
    L[[ uallIRI[i] ]] <- paste( "L", i, sep="" )
}</pre>
```

```
rowcols<- cbind( as.matrix(apply(res[,1:2],c(1,2),function(x) as.character(L[[x]] ))),as.matrix(res[,3]
cat(paste(rowcols, sep=", "),"\n")</pre>
```

Check the statistics

 $\operatorname{ToDo}(\operatorname{MJA}):$ move this to another package - may be the check package

```
stmtSQL<- GetSQLFromCube(store)
cat(stmtSQL$summStatSQL)</pre>
```