

# Using Python to make SPARQL queries

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*2016-05-16*

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## Using Python with SPARQL scripts for the demographics cube (DC-DEMO-sample.ttl)

The examples below uses `rdflib` from (<https://github.com/RDFLib/rdflib>).

As of 28-jun-2015 the code is still in development.

### Requirement

The python package `rdflib` must be installed, see description at (<https://github.com/RDFLib/rdflib>).

### Get dimensions

```
from rdflib import Graph
g = Graph()
g.parse("../extdata/sample-rdf/DC-DEMO-sample.ttl", format="turtle")
with open("../extdata/sample-rdf/DEMOdimensions.rq", "r") as myfile:
    dimensionsQuery=myfile.read()
qres = g.query(dimensionsQuery)
for row in qres:
    print("%s" %row)
```

```
## INFO:rdflib:RDFLib Version: 4.2.0
## http://www.example.org/dc/dimension#race
## http://www.example.org/dc/dimension#factor
## http://www.example.org/dc/dimension#agegr1
## http://www.example.org/dc/dimension#procedure
```

```
## http://www.example.org/dc/dimension#ethnic
## http://www.example.org/dc/dimension#sex
## http://www.example.org/dc/dimension#trt01a
```

## Get attributes

```
from rdflib import Graph
g = Graph()
g.parse("../extdata/sample-rdf/DC-DEMO-sample.ttl", format="turtle")
with open("../extdata/sample-rdf/DEMOattributes.rq", "r") as myfile:
    attributesQuery=myfile.read()
qres = g.query(attributesQuery)
for row in qres:
    print("%s" %row)
```

```
## INFO:rdflib:RDFLib Version: 4.2.0
## http://www.example.org/dc/attribute#cellpartno
## http://www.example.org/dc/attribute#colno
## http://www.example.org/dc/attribute#rowno
## http://www.example.org/dc/attribute#unit
## http://www.example.org/dc/attribute#denominator
## http://www.example.org/dc/attribute#measurefmt
```

## Get observations

The SPARQL script shows for each observation the dimension, attributes and measures in a row. The python code shows each variable on a line - that is not the right way to do it.

```
from rdflib import Graph
g = Graph()
g.parse("../extdata/sample-rdf/DC-DEMO-sample.ttl", format="turtle")
with open("../extdata/sample-rdf/DEMOobservations.rq", "r") as myfile:
    observationsQuery=myfile.read()

qres = g.query(observationsQuery)

for row in qres:
    for t in row:
        print("%s" %t)
```

```
## INFO:rdflib:RDFLib Version: 4.2.0
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs001
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _NONMISS_
## 1
```

```

## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_NONMISS_
## 86.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs002
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _NONMISS_
## 1
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_NONMISS_
## 84.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs003
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _NONMISS_
## 1
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_NONMISS_

```

```

## 84.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs004
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _NONMISS_
## 1
## http://www.example.org/dc/code/agegr1-_ALL_
## sex
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_NONMISS_
## 100.0
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs005
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _NONMISS_
## 1
## http://www.example.org/dc/code/agegr1-_ALL_
## sex
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_NONMISS_
## 100.0
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs006
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_

```

```

## _NONMISS_
## 1
## http://www.example.org/dc/code/agegr1-_ALL_
## sex
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_NONMISS_
## 100.0
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs007
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## F
## 2
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-F
## 53.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs008
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## F
## 2
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## count
## http://www.example.org/dc/code/factor-quantity

```

```

## _ALL_
## http://www.example.org/dc/code/sex-F
## 50.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs009
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## F
## 2
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-F
## 40.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs010
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## F
## 2
## http://www.example.org/dc/code/agegr1-_ALL_
## sex
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-F
## 61.627906977
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs011
## http://www.example.org/dc/code/race-_ALL_
## 2

```

```

## http://www.example.org/dc/code/procedure-percent
## _ALL_
## F
## 2
## http://www.example.org/dc/code/agegr1-_ALL_
## sex
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-F
## 59.523809524
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs012
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## F
## 2
## http://www.example.org/dc/code/agegr1-_ALL_
## sex
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-F
## 47.619047619
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs013
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## M
## 3
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo

```

```

## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-M
## 33.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs014
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## M
## 3
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-M
## 34.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs015
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## M
## 3
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-M
## 44.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs016

```



```

## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## M
## 3
## http://www.example.org/dc/code/agegr1-_ALL_
## sex
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-M
## 38.372093023
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs017
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## M
## 3
## http://www.example.org/dc/code/agegr1-_ALL_
## sex
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-M
## 40.476190476
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs018
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## M
## 3
## http://www.example.org/dc/code/agegr1-_ALL_
## sex
## 3
## http://www.example.org/dc/code/ethnic-_ALL_

```

```

## _ALL_
## Xanomeline High Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-M
## 52.380952381
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs019
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-std
## _ALL_
## _ALL_
## 4
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## std
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 8.5901671271
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs020
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-std
## _ALL_
## _ALL_
## 4
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## std
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 8.2860505995
## NA
## age
## %6.1f

```

```

## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs021
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-std
## _ALL_
## _ALL_
## 4
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## std
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 7.8860938487
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs022
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-n
## _ALL_
## _ALL_
## 5
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## n
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 86.0
## NA
## age
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs023
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-n
## _ALL_
## _ALL_
## 5
## http://www.example.org/dc/code/agegr1-_ALL_
##

```

```

## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## n
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 84.0
## NA
## age
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs024
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-n
## _ALL_
## _ALL_
## 5
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## n
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 84.0
## NA
## age
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs025
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-median
## _ALL_
## _ALL_
## 6
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## median
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 76.0
## NA

```

```

## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs026
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-median
## _ALL_
## _ALL_
## 6
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## median
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 77.5
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs027
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-median
## _ALL_
## _ALL_
## 6
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## median
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 76.0
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs028
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-mean
## _ALL_
## _ALL_
## 7

```

```

## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## mean
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 75.209302326
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs029
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-mean
## _ALL_
## _ALL_
## 7
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## mean
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 75.666666667
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs030
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-mean
## _ALL_
## _ALL_
## 7
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## mean
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_

```

```

## 74.380952381
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs031
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-q3
## _ALL_
## _ALL_
## 8
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## q3
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 82.0
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs032
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-q3
## _ALL_
## _ALL_
## 8
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## q3
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 82.0
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs033
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-q3
## _ALL_

```

```

## _ALL_
## 8
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## q3
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 80.0
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs034
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-q1
## _ALL_
## _ALL_
## 9
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## q1
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 69.0
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs035
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-q1
## _ALL_
## _ALL_
## 9
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## q1
## http://www.example.org/dc/code/factor-age

```



```

## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 71.0
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs036
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-q1
## _ALL_
## _ALL_
## 9
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## q1
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 70.5
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs037
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-max
## _ALL_
## _ALL_
## 10
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## max
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 89.0
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs038
## http://www.example.org/dc/code/race-_ALL_
## 1

```

```

## http://www.example.org/dc/code/procedure-max
## _ALL_
## _ALL_
## 10
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## max
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 88.0
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs039
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-max
## _ALL_
## _ALL_
## 10
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## max
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 88.0
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs040
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-min
## _ALL_
## _ALL_
## 11
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo

```

```

## min
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 52.0
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs041
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-min
## _ALL_
## _ALL_
## 11
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## min
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 51.0
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs042
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-min
## _ALL_
## _ALL_
## 11
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## min
## http://www.example.org/dc/code/factor-age
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 56.0
## NA
## age
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs043

```

```

## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _NONMISS_
## _ALL_
## 18
## http://www.example.org/dc/code/agegr1-_NONMISS_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 86.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs044
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _NONMISS_
## _ALL_
## 18
## http://www.example.org/dc/code/agegr1-_NONMISS_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 84.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs045
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _NONMISS_
## _ALL_
## 18
## http://www.example.org/dc/code/agegr1-_NONMISS_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_

```

```

## _ALL_
## Xanomeline High Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 84.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs046
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _NONMISS_
## _ALL_
## 18
## http://www.example.org/dc/code/agegr1-_NONMISS_
## agegr1
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 100.0
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs047
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _NONMISS_
## _ALL_
## 18
## http://www.example.org/dc/code/agegr1-_NONMISS_
## agegr1
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 100.0
## NA
## proportion
## %6.1f

```

```

## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs048
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _NONMISS_
## _ALL_
## 18
## http://www.example.org/dc/code/agegr1-_NONMISS_
## agegr1
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 100.0
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs049
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## <65
## _ALL_
## 19
## http://www.example.org/dc/code/agegr1-_65
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 14.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs050
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## <65
## _ALL_
## 19
## http://www.example.org/dc/code/agegr1-_65
##

```

```

## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 8.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs051
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## <65
## _ALL_
## 19
## http://www.example.org/dc/code/agegr1-_65
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 11.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs052
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## <65
## _ALL_
## 19
## http://www.example.org/dc/code/agegr1-_65
## agegr1
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 16.279069767
## NA

```

```

## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs053
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## <65
## _ALL_
## 19
## http://www.example.org/dc/code/agegr1-_65
## agegr1
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 9.5238095238
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs054
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## <65
## _ALL_
## 19
## http://www.example.org/dc/code/agegr1-_65
## agegr1
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 13.095238095
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs055
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## 65-80
## _ALL_
## 20

```



```

## http://www.example.org/dc/code/agegr1-65-80
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 42.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs056
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## 65-80
## _ALL_
## 20
## http://www.example.org/dc/code/agegr1-65-80
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 47.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs057
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## 65-80
## _ALL_
## 20
## http://www.example.org/dc/code/agegr1-65-80
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_

```

```

## 55.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs058
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## 65-80
## _ALL_
## 20
## http://www.example.org/dc/code/agegr1-65-80
## agegr1
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 48.837209302
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs059
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## 65-80
## _ALL_
## 20
## http://www.example.org/dc/code/agegr1-65-80
## agegr1
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 55.952380952
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs060
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## 65-80

```

```

## _ALL_
## 20
## http://www.example.org/dc/code/agegr1-65-80
## agegr1
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 65.476190476
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs061
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## >80
## _ALL_
## 21
## http://www.example.org/dc/code/agegr1-_80
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 30.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs062
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## >80
## _ALL_
## 21
## http://www.example.org/dc/code/agegr1-_80
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## count
## http://www.example.org/dc/code/factor-quantity

```

```

## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 29.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs063
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## >80
## _ALL_
## 21
## http://www.example.org/dc/code/agegr1-_80
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 18.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs064
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## >80
## _ALL_
## 21
## http://www.example.org/dc/code/agegr1-_80
## agegr1
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 34.88372093
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs065
## http://www.example.org/dc/code/race-_ALL_
## 2

```

```

## http://www.example.org/dc/code/procedure-percent
## >80
## _ALL_
## 21
## http://www.example.org/dc/code/agegr1-_80
## agegr1
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 34.523809524
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs066
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## >80
## _ALL_
## 21
## http://www.example.org/dc/code/agegr1-_80
## agegr1
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 21.428571429
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs067
## http://www.example.org/dc/code/race-_NONMISS_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 22
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _NONMISS_
## Placebo

```

```

## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 86.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs068
## http://www.example.org/dc/code/race-_NONMISS_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 22
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _NONMISS_
## Xanomeline Low Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 84.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs069
## http://www.example.org/dc/code/race-_NONMISS_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 22
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _NONMISS_
## Xanomeline High Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 84.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs070

```

```

## http://www.example.org/dc/code/race-_NONMISS_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 22
## http://www.example.org/dc/code/agegr1-_ALL_
## race
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _NONMISS_
## Placebo
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 100.0
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs071
## http://www.example.org/dc/code/race-_NONMISS_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 22
## http://www.example.org/dc/code/agegr1-_ALL_
## race
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _NONMISS_
## Xanomeline Low Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 100.0
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs072
## http://www.example.org/dc/code/race-_NONMISS_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 22
## http://www.example.org/dc/code/agegr1-_ALL_
## race
## 3
## http://www.example.org/dc/code/ethnic-_ALL_

```

```

## _NONMISS_
## Xanomeline High Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 100.0
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs073
## http://www.example.org/dc/code/race-WHITE
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 23
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## WHITE
## Placebo
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 78.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs074
## http://www.example.org/dc/code/race-WHITE
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 23
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## WHITE
## Xanomeline Low Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 78.0
## NA
## quantity
## %6.0f

```



```

## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs075
## http://www.example.org/dc/code/race-WHITE
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 23
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## WHITE
## Xanomeline High Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 74.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs076
## http://www.example.org/dc/code/race-WHITE
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 23
## http://www.example.org/dc/code/agegr1-_ALL_
## race
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## WHITE
## Placebo
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 90.697674419
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs077
## http://www.example.org/dc/code/race-WHITE
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 23
## http://www.example.org/dc/code/agegr1-_ALL_
## race

```

```

## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## WHITE
## Xanomeline Low Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 92.857142857
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs078
## http://www.example.org/dc/code/race-WHITE
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 23
## http://www.example.org/dc/code/agegr1-_ALL_
## race
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## WHITE
## Xanomeline High Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 88.095238095
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs079
## http://www.example.org/dc/code/race-BLACK_OR_AFRICAN_AMERICAN
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 24
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## BLACK OR AFRICAN AMERICAN
## Placebo
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 8.0
## NA

```

```

## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs080
## http://www.example.org/dc/code/race-BLACK_OR_AFRICAN_AMERICAN
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 24
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## BLACK OR AFRICAN AMERICAN
## Xanomeline Low Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 6.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs081
## http://www.example.org/dc/code/race-BLACK_OR_AFRICAN_AMERICAN
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 24
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## BLACK OR AFRICAN AMERICAN
## Xanomeline High Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 9.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs082
## http://www.example.org/dc/code/race-BLACK_OR_AFRICAN_AMERICAN
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 24

```

```

## http://www.example.org/dc/code/agegr1-_ALL_
## race
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## BLACK OR AFRICAN AMERICAN
## Placebo
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 9.3023255814
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs083
## http://www.example.org/dc/code/race-BLACK_OR_AFRICAN_AMERICAN
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 24
## http://www.example.org/dc/code/agegr1-_ALL_
## race
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## BLACK OR AFRICAN AMERICAN
## Xanomeline Low Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 7.1428571429
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs084
## http://www.example.org/dc/code/race-BLACK_OR_AFRICAN_AMERICAN
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 24
## http://www.example.org/dc/code/agegr1-_ALL_
## race
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## BLACK OR AFRICAN AMERICAN
## Xanomeline High Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_

```

```

## 10.714285714
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs085
## http://www.example.org/dc/code/race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 25
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## AMERICAN INDIAN OR ALASKA NATIVE
## Placebo
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 0.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs086
## http://www.example.org/dc/code/race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 25
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## AMERICAN INDIAN OR ALASKA NATIVE
## Xanomeline Low Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 0.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs087
## http://www.example.org/dc/code/race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_

```

```

## _ALL_
## 25
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## AMERICAN INDIAN OR ALASKA NATIVE
## Xanomeline High Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 1.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs088
## http://www.example.org/dc/code/race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 25
## http://www.example.org/dc/code/agegr1-_ALL_
## race
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## AMERICAN INDIAN OR ALASKA NATIVE
## Placebo
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 0.0
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs089
## http://www.example.org/dc/code/race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 25
## http://www.example.org/dc/code/agegr1-_ALL_
## race
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## AMERICAN INDIAN OR ALASKA NATIVE
## Xanomeline Low Dose
## percent
## http://www.example.org/dc/code/factor-proportion

```

```

## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 0.0
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs090
## http://www.example.org/dc/code/race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 25
## http://www.example.org/dc/code/agegr1-_ALL_
## race
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## AMERICAN INDIAN OR ALASKA NATIVE
## Xanomeline High Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 1.1904761905
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs091
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-std
## _ALL_
## _ALL_
## 26
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## std
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 12.771543533
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs092
## http://www.example.org/dc/code/race-_ALL_
## 1

```

```

## http://www.example.org/dc/code/procedure-std
## _ALL_
## _ALL_
## 26
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## std
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 14.123598649
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs093
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-std
## _ALL_
## _ALL_
## 26
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## std
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 14.653433372
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs094
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-n
## _ALL_
## _ALL_
## 27
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo

```



```

## n
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 86.0
## NA
## weightbl
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs095
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-n
## _ALL_
## _ALL_
## 27
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## n
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 83.0
## NA
## weightbl
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs096
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-n
## _ALL_
## _ALL_
## 27
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## n
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 84.0
## NA
## weightbl
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs097

```

```

## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-median
## _ALL_
## _ALL_
## 28
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## median
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 60.55
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs098
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-median
## _ALL_
## _ALL_
## 28
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## median
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 64.9
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs099
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-median
## _ALL_
## _ALL_
## 28
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_

```

```

## _ALL_
## Xanomeline High Dose
## median
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 69.2
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs100
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-mean
## _ALL_
## _ALL_
## 29
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## mean
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 62.759302326
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs101
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-mean
## _ALL_
## _ALL_
## 29
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## mean
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 67.279518072
## NA
## weightbl
## %6.1f

```

```

## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs102
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-mean
## _ALL_
## _ALL_
## 29
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## mean
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 70.004761905
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs103
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-q3
## _ALL_
## _ALL_
## 30
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## q3
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 74.4
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs104
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-q3
## _ALL_
## _ALL_
## 30
## http://www.example.org/dc/code/agegr1-_ALL_
##

```

```

## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## q3
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 77.8
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs105
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-q3
## _ALL_
## _ALL_
## 30
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## q3
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 80.3
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs106
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-q1
## _ALL_
## _ALL_
## 31
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## q1
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 53.5
## NA

```

```

## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs107
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-q1
## _ALL_
## _ALL_
## 31
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## q1
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 55.8
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs108
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-q1
## _ALL_
## _ALL_
## 31
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## q1
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 56.75
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs109
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-max
## _ALL_
## _ALL_
## 32

```

```

## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## max
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 86.2
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs110
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-max
## _ALL_
## _ALL_
## 32
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## max
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 106.1
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs111
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-max
## _ALL_
## _ALL_
## 32
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## max
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_

```

```

## 108.0
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs112
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-min
## _ALL_
## _ALL_
## 33
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Placebo
## min
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 34.0
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs113
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-min
## _ALL_
## _ALL_
## 33
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline Low Dose
## min
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 45.4
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs114
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-min
## _ALL_

```



```

## _ALL_
## 33
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## _ALL_
## Xanomeline High Dose
## min
## http://www.example.org/dc/code/factor-weightbl
## _ALL_
## http://www.example.org/dc/code/sex-_ALL_
## 41.7
## NA
## weightbl
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs115
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 36
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-_NONMISS_
## _ALL_
## Placebo
## count
## http://www.example.org/dc/code/factor-quantity
## _NONMISS_
## http://www.example.org/dc/code/sex-_ALL_
## 86.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs116
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 36
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-_NONMISS_
## _ALL_
## Xanomeline Low Dose
## count
## http://www.example.org/dc/code/factor-quantity

```

```

## _NONMISS_
## http://www.example.org/dc/code/sex-_ALL_
## 84.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs117
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 36
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-_NONMISS_
## _ALL_
## Xanomeline High Dose
## count
## http://www.example.org/dc/code/factor-quantity
## _NONMISS_
## http://www.example.org/dc/code/sex-_ALL_
## 84.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs118
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 36
## http://www.example.org/dc/code/agegr1-_ALL_
## ethnic
## 1
## http://www.example.org/dc/code/ethnic-_NONMISS_
## _ALL_
## Placebo
## percent
## http://www.example.org/dc/code/factor-proportion
## _NONMISS_
## http://www.example.org/dc/code/sex-_ALL_
## 100.0
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs119
## http://www.example.org/dc/code/race-_ALL_
## 2

```

```

## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 36
## http://www.example.org/dc/code/agegr1-_ALL_
## ethnic
## 2
## http://www.example.org/dc/code/ethnic-_NONMISS_
## _ALL_
## Xanomeline Low Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _NONMISS_
## http://www.example.org/dc/code/sex-_ALL_
## 100.0
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs120
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 36
## http://www.example.org/dc/code/agegr1-_ALL_
## ethnic
## 3
## http://www.example.org/dc/code/ethnic-_NONMISS_
## _ALL_
## Xanomeline High Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## _NONMISS_
## http://www.example.org/dc/code/sex-_ALL_
## 100.0
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs121
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 38
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-NOT_HISPANIC_OR_LATINO
## _ALL_
## Placebo

```

```

## count
## http://www.example.org/dc/code/factor-quantity
## NOT HISPANIC OR LATINO
## http://www.example.org/dc/code/sex-_ALL_
## 83.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs122
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 38
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-NOT_HISPANIC_OR_LATINO
## _ALL_
## Xanomeline Low Dose
## count
## http://www.example.org/dc/code/factor-quantity
## NOT HISPANIC OR LATINO
## http://www.example.org/dc/code/sex-_ALL_
## 78.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs123
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 38
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-NOT_HISPANIC_OR_LATINO
## _ALL_
## Xanomeline High Dose
## count
## http://www.example.org/dc/code/factor-quantity
## NOT HISPANIC OR LATINO
## http://www.example.org/dc/code/sex-_ALL_
## 81.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs124

```

```

## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 38
## http://www.example.org/dc/code/agegr1-_ALL_
## ethnic
## 1
## http://www.example.org/dc/code/ethnic-NOT_HISPANIC_OR_LATINO
## _ALL_
## Placebo
## percent
## http://www.example.org/dc/code/factor-proportion
## NOT HISPANIC OR LATINO
## http://www.example.org/dc/code/sex-_ALL_
## 96.511627907
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs125
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 38
## http://www.example.org/dc/code/agegr1-_ALL_
## ethnic
## 2
## http://www.example.org/dc/code/ethnic-NOT_HISPANIC_OR_LATINO
## _ALL_
## Xanomeline Low Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## NOT HISPANIC OR LATINO
## http://www.example.org/dc/code/sex-_ALL_
## 92.857142857
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs126
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 38
## http://www.example.org/dc/code/agegr1-_ALL_
## ethnic
## 3
## http://www.example.org/dc/code/ethnic-NOT_HISPANIC_OR_LATINO

```

```

## _ALL_
## Xanomeline High Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## NOT HISPANIC OR LATINO
## http://www.example.org/dc/code/sex-_ALL_
## 96.428571429
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs127
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 40
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 1
## http://www.example.org/dc/code/ethnic-HISPANIC_OR_LATINO
## _ALL_
## Placebo
## count
## http://www.example.org/dc/code/factor-quantity
## HISPANIC OR LATINO
## http://www.example.org/dc/code/sex-_ALL_
## 3.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs128
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 40
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 2
## http://www.example.org/dc/code/ethnic-HISPANIC_OR_LATINO
## _ALL_
## Xanomeline Low Dose
## count
## http://www.example.org/dc/code/factor-quantity
## HISPANIC OR LATINO
## http://www.example.org/dc/code/sex-_ALL_
## 6.0
## NA
## quantity
## %6.0f

```

```

## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs129
## http://www.example.org/dc/code/race-_ALL_
## 1
## http://www.example.org/dc/code/procedure-count
## _ALL_
## _ALL_
## 40
## http://www.example.org/dc/code/agegr1-_ALL_
##
## 3
## http://www.example.org/dc/code/ethnic-HISPANIC_OR_LATINO
## _ALL_
## Xanomeline High Dose
## count
## http://www.example.org/dc/code/factor-quantity
## HISPANIC OR LATINO
## http://www.example.org/dc/code/sex-_ALL_
## 3.0
## NA
## quantity
## %6.0f
## http://www.example.org/dc/code/trt01a-Placebo
## http://www.example.org/dc/demo/ds/obs130
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 40
## http://www.example.org/dc/code/agegr1-_ALL_
## ethnic
## 1
## http://www.example.org/dc/code/ethnic-HISPANIC_OR_LATINO
## _ALL_
## Placebo
## percent
## http://www.example.org/dc/code/factor-proportion
## HISPANIC OR LATINO
## http://www.example.org/dc/code/sex-_ALL_
## 3.488372093
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## http://www.example.org/dc/demo/ds/obs131
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 40
## http://www.example.org/dc/code/agegr1-_ALL_
## ethnic

```

```

## 2
## http://www.example.org/dc/code/ethnic-HISPANIC_OR_LATINO
## _ALL_
## Xanomeline Low Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## HISPANIC OR LATINO
## http://www.example.org/dc/code/sex-_ALL_
## 7.1428571429
## NA
## proportion
## %6.1f
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## http://www.example.org/dc/demo/ds/obs132
## http://www.example.org/dc/code/race-_ALL_
## 2
## http://www.example.org/dc/code/procedure-percent
## _ALL_
## _ALL_
## 40
## http://www.example.org/dc/code/agegr1-_ALL_
## ethnic
## 3
## http://www.example.org/dc/code/ethnic-HISPANIC_OR_LATINO
## _ALL_
## Xanomeline High Dose
## percent
## http://www.example.org/dc/code/factor-proportion
## HISPANIC OR LATINO
## http://www.example.org/dc/code/sex-_ALL_
## 3.5714285714
## NA
## proportion
## %6.1f

```

## Get definition for all descriptive statistics

The SPARQL script shows how the function definition for the descriptive statistics is stored in the cube.

```

from rdflib import Graph
g = Graph()
g.parse("../extdata/sample-rdf/DC-DEMO-sample.ttl", format="turtle")
with open("../extdata/sample-rdf/DEMOprocedure.rq", "r") as myfile:
    procedureQuery=myfile.read()
qres = g.query(procedureQuery)
for row in qres:
    print("%s| %s| %s" %row)

```

```

## INFO:rdflib:RDFLib Version: 4.2.0
## http://www.example.org/dc/code/procedure-min| min| function (x) {      min(x, na.rm = TRUE) }
## http://www.example.org/dc/code/procedure-max| max| function (x) {      max(x, na.rm = TRUE) }
## http://www.example.org/dc/code/procedure-q3| q3| function (x) {      quantile(x, probs = c(0.75), ty
## http://www.example.org/dc/code/procedure-std| std| function (x) {      sd(x, na.rm = TRUE) }

```



```
## http://www.example.org/dc/code/procedure-median| median| function (x) {      median(x, na.rm = TRUE)
## http://www.example.org/dc/code/procedure-percent| percent| function (x) {      -1 }
## http://www.example.org/dc/code/procedure-mean| mean| function (x) {      mean(x, na.rm = TRUE) }
## http://www.example.org/dc/code/procedure-count| count| function (x) {      length(x) }
## http://www.example.org/dc/code/procedure-q1| q1| function (x) {      quantile(x, probs = c(0.25), ty
## http://www.example.org/dc/code/procedure-n| n| function (x) {      length(x[!is.na(x)]) }
```

## Get definition for descriptive statistics median

The SPARQL script shows how the function definition for the descriptive statistics is stored in the cube.

```
from rdflib import Graph
g = Graph()
g.parse("../extdata/sample-rdf/DC-DEMO-sample.ttl", format="turtle")
with open ("../extdata/sample-rdf/DEMOprocedure-median.rq", "r") as myfile:
    proceduremedianQuery=myfile.read()
qres = g.query(proceduremedianQuery)
for row in qres:
    print("%s| %s| %s" %row)
```

```
## INFO:rdflib:RDFLib Version: 4.2.0
## http://www.example.org/dc/code/procedure-median| http://www.w3.org/1999/02/22-rdf-syntax-ns#type| ht
## http://www.example.org/dc/code/procedure-median| http://www.w3.org/2000/01/rdf-schema#comment| Descr
## http://www.example.org/dc/code/procedure-median| http://www.example.org/rrdfqbc rnd0/R-selectionopera
## http://www.example.org/dc/code/procedure-median| http://www.w3.org/2004/02/skos/core#inScheme| http:
## http://www.example.org/dc/code/procedure-median| http://www.example.org/rrdfqbc rnd0/R-selectionvalue
## http://www.example.org/dc/code/procedure-median| http://www.w3.org/1999/02/22-rdf-syntax-ns#type| ht
## http://www.example.org/dc/code/procedure-median| http://www.w3.org/2004/02/skos/core#prefLabel| medi
## http://www.example.org/dc/code/procedure-median| http://www.w3.org/2004/02/skos/core#topConceptOf| h
## http://www.example.org/dc/code/procedure-median| http://www.example.org/rrdfqbc rnd0/RdescStatDefFun|
```

## Get information for selection of data

The SPARQL script shows how the information for selecting data for derivation of univariate statistics is present in the cube.

```
from rdflib import Graph
g = Graph()
g.parse("../extdata/sample-rdf/DC-DEMO-sample.ttl", format="turtle")
with open ("../extdata/sample-rdf/DEMOobservations-R-selection.rq", "r") as myfile:
    observationsRselection=myfile.read()
qres = g.query(observationsRselection)
for row in qres:
    print("%s| %s| %s| %s" %row)
```

```
## INFO:rdflib:RDFLib Version: 4.2.0
## http://www.example.org/dc/demo/ds/obs056| agegr1| ==| 65-80
## http://www.example.org/dc/demo/ds/obs056| trt01a| ==| Xanomeline Low Dose
## http://www.example.org/dc/demo/ds/obs027| trt01a| ==| Xanomeline High Dose
```