Using Python to make SPARQL queries

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Contents

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

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

Get attributes

```python
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#rowno
## http://www.example.org/dc/attribute#unit
## http://www.example.org/dc/attribute#measurefmt
## http://www.example.org/dc/attribute#denominator
## http://www.example.org/dc/attribute#cellpartno
## http://www.example.org/dc/attribute#colno
```

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.

```python
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
## agegr1
## _ALL_
## http://www.example.org/dc/code/agegr1-_65
## 19
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## <65
```

```
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs052
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 16.279069767
## percent
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-proportion
## agegr1
## _ALL_
## http://www.example.org/dc/code/agegr1-65-80
## 20
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## 65-80
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs060
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 65.476190476
## percent
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
## agegr1
## _ALL_
## http://www.example.org/dc/code/agegr1-_65
## 19
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## <65
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs054
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 13.095238095
## percent
```

```
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_65
## 19
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## <65
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs050
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 8.0
## count
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## ethnic
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 38
## http://www.example.org/dc/code/ethnic-NOT_HISPANIC_OR_LATINO
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs124
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 96.511627907
## percent
## _ALL_
## Placebo
## NOT HISPANIC OR LATINO
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 6
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
```

```
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-median
## %6.1f
## http://www.example.org/dc/demo/ds/obs027
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 76.0
## median
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 10
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-max
## %6.1f
## http://www.example.org/dc/demo/ds/obs038
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 88.0
## max
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 29
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-mean
## %6.1f
## http://www.example.org/dc/demo/ds/obs101
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
```

```
## 67.279518072
## mean
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 7
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-mean
## %6.1f
## http://www.example.org/dc/demo/ds/obs029
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 75.666666667
## mean
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 8
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-q3
## %6.1f
## http://www.example.org/dc/demo/ds/obs033
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 80.0
## q3
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 27
```

```
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-n
## %6.0f
## http://www.example.org/dc/demo/ds/obs095
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 83.0
## n
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
## ethnic
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 40
## http://www.example.org/dc/code/ethnic-HISPANIC_OR_LATINO
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs131
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 7.1428571429
## percent
## _ALL_
## Xanomeline Low Dose
## HISPANIC OR LATINO
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 22
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs067
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
```

```
## http://www.example.org/dc/code/race-_NONMISS_
## NA
## 86.0
## count
## _NONMISS_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 25
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs086
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## NA
## 0.0
## count
## AMERICAN INDIAN OR ALASKA NATIVE
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## ethnic
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 36
## http://www.example.org/dc/code/ethnic-_NONMISS_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs118
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 100.0
## percent
## _ALL_
## Placebo
## _NONMISS_
## http://www.example.org/dc/code/factor-proportion
## sex
## F
```

```
## http://www.example.org/dc/code/agegr1-_ALL_
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs010
## 2
## http://www.example.org/dc/code/sex-F
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 61.627906977
## percent
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 7
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-mean
## %6.1f
## http://www.example.org/dc/demo/ds/obs028
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 75.209302326
## mean
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 24
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs080
## 1
```

```
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-BLACK_OR_AFRICAN_AMERICAN
## NA
## 6.0
## count
## BLACK OR AFRICAN AMERICAN
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 36
## http://www.example.org/dc/code/ethnic-_NONMISS_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs117
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 84.0
## count
## _ALL_
## Xanomeline High Dose
## _NONMISS_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 8
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-q3
## %6.1f
## http://www.example.org/dc/demo/ds/obs031
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 82.0
## q3
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-age
```

```
## ethnic
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 38
## http://www.example.org/dc/code/ethnic-NOT_HISPANIC_OR_LATINO
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs125
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 92.857142857
## percent
## _ALL_
## Xanomeline Low Dose
## NOT HISPANIC OR LATINO
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_80
## 21
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## >80
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs061
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 30.0
## count
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## agegr1
## _ALL_
## http://www.example.org/dc/code/agegr1-_NONMISS_
## 18
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _NONMISS_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
```

```
## http://www.example.org/dc/demo/ds/obs046
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 100.0
## percent
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 11
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-min
## %6.1f
## http://www.example.org/dc/demo/ds/obs040
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 52.0
## min
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 32
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-max
## %6.1f
## http://www.example.org/dc/demo/ds/obs111
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 108.0
## max
## _ALL_
## Xanomeline High Dose
```

```
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## F
## http://www.example.org/dc/code/agegr1-_ALL_
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs008
## 1
## http://www.example.org/dc/code/sex-F
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 50.0
## count
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 28
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-median
## %6.1f
## http://www.example.org/dc/demo/ds/obs097
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 60.55
## median
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_65
## 19
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## <65
```

```
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs051
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 11.0
## count
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## 
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 9
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-q1
## %6.1f
## http://www.example.org/dc/demo/ds/obs036
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 70.5
## q1
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
## 
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 36
## http://www.example.org/dc/code/ethnic-_NONMISS_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs115
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 86.0
## count
```

```
## _ALL_
## Placebo
## _NONMISS_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 40
## http://www.example.org/dc/code/ethnic-HISPANIC_OR_LATINO
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs127
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 3.0
## count
## _ALL_
## Placebo
## HISPANIC OR LATINO
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_80
## 21
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## >80
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs063
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 18.0
## count
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 36
## http://www.example.org/dc/code/ethnic-_NONMISS_
## 2
```

```
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs116
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 84.0
## count
## _ALL_
## Xanomeline Low Dose
## _NONMISS_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 28
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-median
## %6.1f
## http://www.example.org/dc/demo/ds/obs099
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 69.2
## median
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_NONMISS_
## 18
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _NONMISS_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs043
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
```

```
## 86.0
## count
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## F
## http://www.example.org/dc/code/agegr1-_ALL_
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs009
## 1
## http://www.example.org/dc/code/sex-F
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 40.0
## count
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## sex
## M
## http://www.example.org/dc/code/agegr1-_ALL_
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs017
## 2
## http://www.example.org/dc/code/sex-M
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 40.476190476
## percent
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
## race
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 24
```

```
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs083
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-BLACK_OR_AFRICAN_AMERICAN
## NA
## 7.1428571429
## percent
## BLACK OR AFRICAN AMERICAN
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_NONMISS_
## 18
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _NONMISS_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs045
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 84.0
## count
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 9
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-q1
## %6.1f
## http://www.example.org/dc/demo/ds/obs035
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
```

```
## http://www.example.org/dc/code/race-_ALL_
## NA
## 71.0
## q1
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 31
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-q1
## %6.1f
## http://www.example.org/dc/demo/ds/obs107
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 55.8
## q1
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
## race
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 25
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs090
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## NA
## 1.1904761905
## percent
## AMERICAN INDIAN OR ALASKA NATIVE
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
```

```
## http://www.example.org/dc/code/agegr1-65-80
## 20
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## 65-80
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs056
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 47.0
## count
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## race
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 22
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs070
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_NONMISS_
## NA
## 100.0
## percent
## _NONMISS_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-proportion
## sex
## _NONMISS_
## http://www.example.org/dc/code/agegr1-_ALL_
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs004
## 2
```

```
## http://www.example.org/dc/code/sex-_NONMISS_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 100.0
## percent
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 29
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-mean
## %6.1f
## http://www.example.org/dc/demo/ds/obs102
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 70.004761905
## mean
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 38
## http://www.example.org/dc/code/ethnic-NOT_HISPANIC_OR_LATINO
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs123
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 81.0
## count
## _ALL_
## Xanomeline High Dose
## NOT HISPANIC OR LATINO
## http://www.example.org/dc/code/factor-quantity
```

```
## 
## _ALL_
## http://www.example.org/dc/code/agegr1-65-80
## 20
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## 65-80
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs057
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 55.0
## count
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## 
## _ALL_
## http://www.example.org/dc/code/agegr1-_80
## 21
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## >80
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs062
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 29.0
## count
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## race
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 24
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
```

```
## http://www.example.org/dc/demo/ds/obs084
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-BLACK_OR_AFRICAN_AMERICAN
## NA
## 10.714285714
## percent
## BLACK OR AFRICAN AMERICAN
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
## race
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 22
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs072
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_NONMISS_
## NA
## 100.0
## percent
## _NONMISS_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
## 
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 31
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-q1
## %6.1f
## http://www.example.org/dc/demo/ds/obs108
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 56.75
## q1
## _ALL_
## Xanomeline High Dose
```

```
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
## race
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 25
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs088
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## NA
## 0.0
## percent
## AMERICAN INDIAN OR ALASKA NATIVE
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-proportion
## ethnic
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 40
## http://www.example.org/dc/code/ethnic-HISPANIC_OR_LATINO
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs130
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 3.488372093
## percent
## _ALL_
## Placebo
## HISPANIC OR LATINO
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 26
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
```

```
## http://www.example.org/dc/code/procedure-std
## %6.1f
## http://www.example.org/dc/demo/ds/obs093
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 14.653433372
## std
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
## sex
## F
## http://www.example.org/dc/code/agegr1-_ALL_
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs012
## 2
## http://www.example.org/dc/code/sex-F
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 47.619047619
## percent
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## F
## http://www.example.org/dc/code/agegr1-_ALL_
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs007
## 1
## http://www.example.org/dc/code/sex-F
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 53.0
## count
```

```
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 23
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs073
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-WHITE
## NA
## 78.0
## count
## WHITE
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## race
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 23
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs078
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-WHITE
## NA
## 88.095238095
## percent
## WHITE
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 27
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
```

```
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-n
## %6.0f
## http://www.example.org/dc/demo/ds/obs094
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 86.0
## n
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
## agegr1
## _ALL_
## http://www.example.org/dc/code/agegr1-_NONMISS_
## 18
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _NONMISS_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs047
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 100.0
## percent
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 32
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-max
## %6.1f
## http://www.example.org/dc/demo/ds/obs109
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
```

```
## 86.2
## max
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 32
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-max
## %6.1f
## http://www.example.org/dc/demo/ds/obs110
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 106.1
## max
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## _NONMISS_
## http://www.example.org/dc/code/agegr1-_ALL_
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs003
## 1
## http://www.example.org/dc/code/sex-_NONMISS_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 84.0
## count
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 5
```

```
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-n
## %6.0f
## http://www.example.org/dc/demo/ds/obs024
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 84.0
## n
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
## agegr1
## _ALL_
## http://www.example.org/dc/code/agegr1-_80
## 21
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## >80
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs065
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 34.523809524
## percent
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 22
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs069
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
```

```
## http://www.example.org/dc/code/race-_NONMISS_
## NA
## 84.0
## count
## _NONMISS_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 4
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-std
## %6.1f
## http://www.example.org/dc/demo/ds/obs021
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 7.8860938487
## std
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 26
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-std
## %6.1f
## http://www.example.org/dc/demo/ds/obs091
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 12.771543533
## std
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
## agegr1
## _ALL_
```

```
## http://www.example.org/dc/code/agegr1-_65
## 19
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## <65
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs053
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 9.5238095238
## percent
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 26
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-std
## %6.1f
## http://www.example.org/dc/demo/ds/obs092
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 14.123598649
## std
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 40
## http://www.example.org/dc/code/ethnic-HISPANIC_OR_LATINO
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs129
## 1
```

```
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 3.0
## count
## _ALL_
## Xanomeline High Dose
## HISPANIC OR LATINO
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 9
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-q1
## %6.1f
## http://www.example.org/dc/demo/ds/obs034
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 69.0
## q1
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-age
## agegr1
## _ALL_
## http://www.example.org/dc/code/agegr1-65-80
## 20
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## 65-80
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs058
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 48.837209302
## percent
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-proportion
```

```
## agegr1
## _ALL_
## http://www.example.org/dc/code/agegr1-_NONMISS_
## 18
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _NONMISS_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs048
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 100.0
## percent
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 27
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-n
## %6.0f
## http://www.example.org/dc/demo/ds/obs096
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 84.0
## n
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 25
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
```

```
## http://www.example.org/dc/demo/ds/obs087
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## NA
## 1.0
## count
## AMERICAN INDIAN OR ALASKA NATIVE
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## race
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 24
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs082
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-BLACK_OR_AFRICAN_AMERICAN
## NA
## 9.3023255814
## percent
## BLACK OR AFRICAN AMERICAN
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-proportion
## agegr1
## _ALL_
## http://www.example.org/dc/code/agegr1-_80
## 21
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## >80
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs066
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 21.428571429
## percent
## _ALL_
## Xanomeline High Dose
```

```
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 11
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-min
## %6.1f
## http://www.example.org/dc/demo/ds/obs041
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 51.0
## min
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
## sex
## M
## http://www.example.org/dc/code/agegr1-_ALL_
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs016
## 2
## http://www.example.org/dc/code/sex-M
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 38.372093023
## percent
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_NONMISS_
## 18
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _NONMISS_
```

```
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs044
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 84.0
## count
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 8
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-q3
## %6.1f
## http://www.example.org/dc/demo/ds/obs032
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 82.0
## q3
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 40
## http://www.example.org/dc/code/ethnic-HISPANIC_OR_LATINO
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs128
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 6.0
## count
```

```
## _ALL_
## Xanomeline Low Dose
## HISPANIC OR LATINO
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 30
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-q3
## %6.1f
## http://www.example.org/dc/demo/ds/obs105
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 80.3
## q3
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 23
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs074
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-WHITE
## NA
## 78.0
## count
## WHITE
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## agegr1
## _ALL_
## http://www.example.org/dc/code/agegr1-65-80
## 20
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
```

```
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## 65-80
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs059
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 55.952380952
## percent
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _NONMISS_
## http://www.example.org/dc/code/agegr1-_ALL_
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs002
## 1
## http://www.example.org/dc/code/sex-_NONMISS_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 84.0
## count
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 5
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-n
## %6.0f
## http://www.example.org/dc/demo/ds/obs022
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
```

```
## 86.0
## n
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 23
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs075
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-WHITE
## NA
## 74.0
## count
## WHITE
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 24
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs081
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-BLACK_OR_AFRICAN_AMERICAN
## NA
## 9.0
## count
## BLACK OR AFRICAN AMERICAN
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 22
```

```
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs068
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_NONMISS_
## NA
## 84.0
## count
## _NONMISS_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## sex
## _NONMISS_
## http://www.example.org/dc/code/agegr1-_ALL_
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs005
## 2
## http://www.example.org/dc/code/sex-_NONMISS_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 100.0
## percent
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 30
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-q3
## %6.1f
## http://www.example.org/dc/demo/ds/obs103
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
```

```
## http://www.example.org/dc/code/race-_ALL_
## NA
## 74.4
## q3
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
## ethnic
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 40
## http://www.example.org/dc/code/ethnic-HISPANIC_OR_LATINO
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs132
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 3.5714285714
## percent
## _ALL_
## Xanomeline High Dose
## HISPANIC OR LATINO
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 10
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-max
## %6.1f
## http://www.example.org/dc/demo/ds/obs039
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 88.0
## max
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
```

```
## http://www.example.org/dc/code/agegr1-_ALL_
## 38
## http://www.example.org/dc/code/ethnic-NOT_HISPANIC_OR_LATINO
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs122
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 78.0
## count
## _ALL_
## Xanomeline Low Dose
## NOT HISPANIC OR LATINO
## http://www.example.org/dc/code/factor-quantity
## sex
## _NONMISS_
## http://www.example.org/dc/code/agegr1-_ALL_
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs006
## 2
## http://www.example.org/dc/code/sex-_NONMISS_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 100.0
## percent
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## M
## http://www.example.org/dc/code/agegr1-_ALL_
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs015
## 1
```

```
## http://www.example.org/dc/code/sex-M
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 44.0
## count
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## M
## http://www.example.org/dc/code/agegr1-_ALL_
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs014
## 1
## http://www.example.org/dc/code/sex-M
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 34.0
## count
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## ethnic
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 36
## http://www.example.org/dc/code/ethnic-_NONMISS_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs119
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 100.0
## percent
## _ALL_
## Xanomeline Low Dose
## _NONMISS_
## http://www.example.org/dc/code/factor-proportion
```

```
##
## _ALL_
## http://www.example.org/dc/code/agegr1-65-80
## 20
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## 65-80
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs055
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 42.0
## count
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## race
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 23
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs077
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-WHITE
## NA
## 92.857142857
## percent
## WHITE
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 25
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
```

```
## http://www.example.org/dc/demo/ds/obs085
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## NA
## 0.0
## count
## AMERICAN INDIAN OR ALASKA NATIVE
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## ethnic
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 36
## http://www.example.org/dc/code/ethnic-_NONMISS_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs120
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 100.0
## percent
## _ALL_
## Xanomeline High Dose
## _NONMISS_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 7
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-mean
## %6.1f
## http://www.example.org/dc/demo/ds/obs030
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 74.380952381
## mean
## _ALL_
## Xanomeline High Dose
```

```
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 29
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-mean
## %6.1f
## http://www.example.org/dc/demo/ds/obs100
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 62.759302326
## mean
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 33
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-min
## %6.1f
## http://www.example.org/dc/demo/ds/obs112
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 34.0
## min
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 10
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
```

```
## http://www.example.org/dc/code/procedure-max
## %6.1f
## http://www.example.org/dc/demo/ds/obs037
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 89.0
## max
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-age
## race
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 25
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs089
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-AMERICAN_INDIAN_OR_ALASKA_NATIVE
## NA
## 0.0
## percent
## AMERICAN INDIAN OR ALASKA NATIVE
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
## race
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 22
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs071
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_NONMISS_
## NA
## 100.0
## percent
```

```
## _NONMISS_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _NONMISS_
## http://www.example.org/dc/code/agegr1-_ALL_
## 1
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs001
## 1
## http://www.example.org/dc/code/sex-_NONMISS_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 86.0
## count
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_65
## 19
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## <65
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs049
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 14.0
## count
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## M
## http://www.example.org/dc/code/agegr1-_ALL_
## 3
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
```

```
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs013
## 1
## http://www.example.org/dc/code/sex-M
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 33.0
## count
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-quantity
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 6
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-median
## %6.1f
## http://www.example.org/dc/demo/ds/obs025
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 76.0
## median
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 24
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
## http://www.example.org/dc/demo/ds/obs079
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-BLACK_OR_AFRICAN_AMERICAN
## NA
```

```
## 8.0
## count
## BLACK OR AFRICAN AMERICAN
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-quantity
## sex
## F
## http://www.example.org/dc/code/agegr1-_ALL_
## 2
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs011
## 2
## http://www.example.org/dc/code/sex-F
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 59.523809524
## percent
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 11
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-min
## %6.1f
## http://www.example.org/dc/demo/ds/obs042
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 56.0
## min
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
## sex
## M
## http://www.example.org/dc/code/agegr1-_ALL_
## 3
```

```
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs018
## 2
## http://www.example.org/dc/code/sex-M
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 52.380952381
## percent
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 4
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-std
## %6.1f
## http://www.example.org/dc/demo/ds/obs019
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 8.5901671271
## std
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 6
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-median
## %6.1f
## http://www.example.org/dc/demo/ds/obs026
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
```

```
## http://www.example.org/dc/code/race-_ALL_
## NA
## 77.5
## median
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 28
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-median
## %6.1f
## http://www.example.org/dc/demo/ds/obs098
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 64.9
## median
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 33
## http://www.example.org/dc/code/ethnic-_ALL_
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-min
## %6.1f
## http://www.example.org/dc/demo/ds/obs114
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 41.7
## min
## _ALL_
## Xanomeline High Dose
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
## race
## _ALL_
```

```
## http://www.example.org/dc/code/agegr1-_ALL_
## 23
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs076
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-WHITE
## NA
## 90.697674419
## percent
## WHITE
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 4
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-std
## %6.1f
## http://www.example.org/dc/demo/ds/obs020
## 1
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 8.2860505995
## std
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 5
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-n
## %6.0f
## http://www.example.org/dc/demo/ds/obs023
## 1
```

```
## http://www.example.org/dc/code/sex-_ALL_
## age
## http://www.example.org/dc/code/race-_ALL_
## NA
## 84.0
## n
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-age
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 31
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-q1
## %6.1f
## http://www.example.org/dc/demo/ds/obs106
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 53.5
## q1
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 30
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-q3
## %6.1f
## http://www.example.org/dc/demo/ds/obs104
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 77.8
## q3
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
```

```
## agegr1
## _ALL_
## http://www.example.org/dc/code/agegr1-_80
## 21
## http://www.example.org/dc/code/ethnic-_ALL_
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## >80
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs064
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 34.88372093
## percent
## _ALL_
## Placebo
## _ALL_
## http://www.example.org/dc/code/factor-proportion
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 33
## http://www.example.org/dc/code/ethnic-_ALL_
## 2
## http://www.example.org/dc/code/trt01a-Xanomeline_Low_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-min
## %6.1f
## http://www.example.org/dc/demo/ds/obs113
## 1
## http://www.example.org/dc/code/sex-_ALL_
## weightbl
## http://www.example.org/dc/code/race-_ALL_
## NA
## 45.4
## min
## _ALL_
## Xanomeline Low Dose
## _ALL_
## http://www.example.org/dc/code/factor-weightbl
##
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 38
## http://www.example.org/dc/code/ethnic-NOT_HISPANIC_OR_LATINO
## 1
## http://www.example.org/dc/code/trt01a-Placebo
## _ALL_
## http://www.example.org/dc/code/procedure-count
## %6.0f
```

```
## http://www.example.org/dc/demo/ds/obs121
## 1
## http://www.example.org/dc/code/sex-_ALL_
## quantity
## http://www.example.org/dc/code/race-_ALL_
## NA
## 83.0
## count
## _ALL_
## Placebo
## NOT HISPANIC OR LATINO
## http://www.example.org/dc/code/factor-quantity
## ethnic
## _ALL_
## http://www.example.org/dc/code/agegr1-_ALL_
## 38
## http://www.example.org/dc/code/ethnic-NOT_HISPANIC_OR_LATINO
## 3
## http://www.example.org/dc/code/trt01a-Xanomeline_High_Dose
## _ALL_
## http://www.example.org/dc/code/procedure-percent
## %6.1f
## http://www.example.org/dc/demo/ds/obs126
## 2
## http://www.example.org/dc/code/sex-_ALL_
## proportion
## http://www.example.org/dc/code/race-_ALL_
## NA
## 96.428571429
## percent
## _ALL_
## Xanomeline High Dose
## NOT HISPANIC OR LATINO
## http://www.example.org/dc/code/factor-proportion
```

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-n| n| function (x)  {      length(x[!is.na(x)]) }
## http://www.example.org/dc/code/procedure-count| count| function (x)  {      length(x) }
## http://www.example.org/dc/code/procedure-min| min| function (x)  {      min(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-max| max| function (x)  {    max(x, na.rm = TRUE) }
## http://www.example.org/dc/code/procedure-std| std| function (x)  {    sd(x, na.rm = TRUE) }
## http://www.example.org/dc/code/procedure-q1| q1| function (x)  {    quantile(x, probs = c(0.25), na
## http://www.example.org/dc/code/procedure-percent| percent| function (x)  {    -1 }
## http://www.example.org/dc/code/procedure-q3| q3| function (x)  {    quantile(x, probs = c(0.75), na
## http://www.example.org/dc/code/procedure-mean| mean| function (x)  {    mean(x, na.rm = TRUE) }
```

Get definition for descriptive statistics median

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

```python
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.example.org/rrdfqbcrnd0/R-selectionopera
## 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.w3.org/2004/02/skos/core#inScheme| http:
## 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.example.org/rrdfqbcrnd0/RdescStatDefFun|
## http://www.example.org/dc/code/procedure-median| http://www.example.org/rrdfqbcrnd0/R-selectionvalue
## 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.w3.org/2004/02/skos/core#prefLabel| medi
```

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.

```python
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
```