tnun_assignment_2

Priam Vyas

2022-11-11

Part 1

```
library(tidyverse)
## -- Attaching packages -----
                                                ----- tidyverse 1.3.2 --
## v ggplot2 3.4.0
                                0.3.5
                       v purrr
## v tibble 3.1.8
                       v dplyr
                                1.0.10
## v tidyr
           1.2.1
                       v stringr 1.4.1
## v readr
            2.1.3
                       v forcats 0.5.2
## -- Conflicts
                                            ## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                    masks stats::lag()
library(magrittr)
##
## Attaching package: 'magrittr'
## The following object is masked from 'package:purrr':
##
##
      set_names
##
## The following object is masked from 'package:tidyr':
##
##
      extract
library(tnum)
library(tibble)
tnum.loadLibs()
##
## Attaching package: 'jsonlite'
## The following object is masked from 'package:purrr':
##
##
      flatten
##
## Loading required package: timechange
##
## Attaching package: 'lubridate'
## The following objects are masked from 'package:base':
##
      date, intersect, setdiff, union
##
```

```
tnum.authorize(ip = "mssp.truenum.com:8080", creds = "priam@bu.edu:marlin")
## Truenumbers (mssp.truenum.com:8080)
## Available spaces: MSSP-MA615-22
## Numberspace set to: MSSP-MA615-22
text_ch1 <- tnum.query("subj:Time_Machine:Chapter:1:*")</pre>
## Returned 59 results
text_ch2 <- tnum.query("subj:Time_Machine:Chapter:2:*")</pre>
## Returned 66 results
text_ch4 <- tnum.query("subj:Time_Machine:Chapter:4:*")</pre>
## Returned 106 results
text_ch5 <- tnum.query("subj:Time_Machine:Chapter:5:*")</pre>
## Returned 68 results
text_ch6 <- tnum.query("subj:Time_Machine:Chapter:6:*")</pre>
## Returned 86 results
text_ch7 <- tnum.query("subj:Time_Machine:Chapter:7:*")</pre>
## Returned 129 results
text_ch8 <- tnum.query("subj:Time_Machine:Chapter:8:*")</pre>
## Returned 194 results
text_ch10 <- tnum.query("subj:Time_Machine:Chapter:10:*")</pre>
## Returned 126 results
text_ch12 <- tnum.query("subj:Time_Machine:Chapter:12:*")</pre>
## Returned 139 results
#qet all sentences with the stringval
ch8_weena <- tnum.query("subj:Time_Machine:Chapter:8:* and stringval:Weena")
## Returned 7 results
ch10_weena <- tnum.query("subj:Time_Machine:Chapter:10:* and stringval:Weena")
## Returned 12 results
ch11_weena <- tnum.query("subj:Time_Machine:Chapter:11:* and stringval:Weena")
## Returned 9 results
ch12_weena <- tnum.query("subj:Time_Machine:Chapter:12:* and stringval:Weena")
## Returned 16 results
all_weena <- tnum.query("subj:Time_Machine:* and stringval:Weena")
## Returned 53 results
```

```
#find first appearance of Weena
ch8_water <- tnum.query("subj:Time_Machine:Chapter:8:* and stringval:Thames")
## Returned 1 results
#meeting Weena
ch8_sentence4 <- tnum.query("subj:Time_Machine:Chapter:8:Sentence:4*")</pre>
## Returned 11 results
tnum.getAllProperties()
## $values
  [1] "Connecticut/degrees:associates:most"
##
  [2] "Connecticut/degrees:doctorate:most"
##
  [3] "degree:bachelors"
  [4] "households"
## [5] "households:highest"
## [6] "income:household:median:highest"
## [7] "income:median:highest"
## [8] "Maine/bachlors:most"
##
  [9] "Maine/degrees:associates:most"
## [10] "Maine/degrees:doctorate:most"
## [11] "Massachusetts/professionals:most"
## [12] "median_household_income"
## [13] "New Hampshire/degrees:associates:most"
## [14] "New_Hampshire/population:most"
## [15] "number"
## [16] "number:biggest"
## [17] "number:largest"
## [18] "number:smallest"
## [19] "population"
## [20] "population:associates"
## [21] "population:bachelors"
## [22] "population:doctorate"
## [23] "population:largest"
## [24] "population:masters"
## [25] "population:no_health_insurance"
## [26] "population:no_health_insurance:female"
## [27] "population:no_health_insurance:male"
## [28] "population:professional"
## [29] "rate:flow:average"
## [30] "rate:graduation"
## [31] "text"
## [32] "value"
## [33] "which:Population:largest"
tmp <- tnum.query("prop:population")</pre>
## Returned 67 results
tmp2 <- tnum.query("prop:number")</pre>
## Returned 155 results
colnames(tmp)
```

tmp\$si_value

##		m o a		atmina	h+m1	anon+
##	1	mag 30234	0	string 30234	html	quant
##	2	1600842	0	1600842	1.60084 ·10 ⁶	magnitude
##	3	126425	0	126425		magnitude
##	4	163869	0	163869		magnitude
##	5	31741	0	31741		magnitude
##	6	28908	0	28908		magnitude
##	7	162646	0	162646		magnitude
##	8	60887	0	60887		magnitude
##	9	82801	0	82801		magnitude
##	10	700437	0	700437		magnitude
##	11	57550	0	57550		magnitude
##	12	163053	0	163053		magnitude
##	13	48764	0	48764		magnitude
##	14	182002	0	182002		magnitude
##	15	413035	0	413035		•
##	16	42823	0	42823		magnitude magnitude
##	17	55275	0	55275		magnitude
##	18	50520	0	50520		magnitude
##	19	515303	0	515303		magnitude
##	20	39539	0	39539		magnitude
##	21	151774	0	151774		magnitude
##	22	54601	0	54601		magnitude
##	23	467871	0	467871		magnitude
##	24	35452	0	35452		magnitude
##	25	129124	0	129124		magnitude
##	26	116566	0	116566		magnitude
##	27	796605	0	796605		magnitude
##	28	213496	0	213496		magnitude
##	29	857513	0	857513		magnitude
##	30	292307	0	292307		magnitude
##	31	48138	0	48138		magnitude
##	32	126060	0	126060		magnitude
##	33	35746	0	35746		magnitude
##	34	204316	0	204316		magnitude
##	35	306359	0	306359		magnitude
##	36	107602	0	107602		magnitude
	37	943926	0	943926		magnitude
	38	34201	0	34201		magnitude
	39	11168	0	11168		magnitude
	40	76042	0	76042		magnitude
	41	121753	0	121753		magnitude
	42	161032	0	161032		magnitude
	43	43104	0	43104		magnitude
	44	635737	0	635737		magnitude
	45	561037	0	561037		magnitude
	46	824772	0	824772		magnitude
##	47	49116	0	49116		magnitude
##	48	58892	0	58892		magnitude
						-

## 51 6200 0 6200 6200 magni ## 52 58350 0 58350 58350 magni ## 53 26901 0 26901 26901 26901 magni ## 54 39759 0 39759 39759 magni ## 55 31491 0 31491 31491 magni ## 56 151063 0 151063 151063 151063 magni ## 57 67809 0 67809 67809 67809 magni ## 58 36882 0 36882 36882 magni ## 59 267390 0 267390 267390 267390 magni ## 60 893561 0 893561 893561 893561 magni ## 61 70577 0 70577 70577 magni ## 62 16836 0 16836 16836 16836 magni ## 64 7022 0 7022 7022 magni ## 64 7022 0 7022 7022 magni ## 65 149917 0 149917 149917 magni ## 66 29982 0 29982 29982 magni	##	49	89777	0	89777	89777	magni
## 52 58350 0 58350	##	50	17312	0	17312	17312	magni
## 53 26901 0 26901 26901 26901 39759 magni ## 54 39759 0 39759 39759 magni ## 55 31491 0 31491 31491 magni ## 56 151063 0 151063 151063 151063 magni ## 57 67809 0 67809 67809 magni ## 58 36882 0 36882 36882 magni ## 59 267390 0 267390 267390 267390 magni ## 60 893561 0 893561 893561 893561 magni ## 61 70577 0 70577 70577 magni ## 62 16836 0 16836 16836 16836 magni ## 63 783676 0 783676 783676 magni ## 64 7022 0 7022 7022 magni ## 65 149917 0 149917 149917 magni ## 66 29982 0 29982 29982 magni	##	51	6200	0	6200	6200	magni
## 54 39759 0 39759 magni ## 55 31491 0 31491 31491 magni ## 56 151063 0 151063 151063 magni ## 57 67809 0 67809 67809 magni ## 58 36882 0 36882 36882 magni ## 59 267390 0 267390 267390 267390 magni ## 60 893561 0 893561 893561 893561 magni ## 61 70577 0 70577 70577 70577 magni ## 62 16836 0 16836 16836 16836 magni ## 63 783676 0 783676 783676 magni ## 64 7022 0 7022 7022 magni ## 65 149917 0 149917 149917 magni ## 66 29982 0 29982 29982 magni	##	52	58350	0	58350	58350	magni
## 55 31491 0 31491 31491 magni ## 56 151063 0 151063 151063 151063 magni ## 57 67809 0 67809 67809 magni ## 58 36882 0 36882 36882 magni ## 59 267390 0 267390 267390 267390 magni ## 60 893561 0 893561 893561 893561 magni ## 61 70577 0 70577 70577 70577 magni ## 62 16836 0 16836 16836 16836 magni ## 63 783676 0 783676 783676 783676 magni ## 64 7022 0 7022 7022 magni ## 65 149917 0 149917 149917 magni ## 66 29982 0 29982 29982 magni	##	53	26901	0	26901	26901	magni
## 56 151063 0 151063 151063 magni ## 57 67809 0 67809 67809 magni ## 58 36882 0 36882 36882 magni ## 59 267390 0 267390 267390 magni ## 60 893561 0 893561 893561 893561 magni ## 61 70577 0 70577 70577 magni ## 62 16836 0 16836 16836 16836 magni ## 63 783676 0 783676 783676 magni ## 64 7022 0 7022 7022 magni ## 65 149917 0 149917 149917 magni ## 66 29982 0 29982 29982 magni	##	54	39759	0	39759	39759	magni
## 57 67809 0 67809 magni ## 58 36882 0 36882 36882 magni ## 59 267390 0 267390 267390 267390 magni ## 60 893561 0 893561 893561 magni ## 61 70577 0 70577 70577 70577 magni ## 62 16836 0 16836 16836 16836 magni ## 63 783676 0 783676 783676 magni ## 64 7022 0 7022 7022 magni ## 65 149917 0 149917 149917 magni ## 66 29982 0 29982 29982 magni	##	55	31491	0	31491	31491	magni
## 58 36882 0 36882 36882 magni ## 59 267390 0 267390 267390 267390 magni ## 60 893561 0 893561 893561 magni ## 61 70577 0 70577 70577 magni ## 62 16836 0 16836 16836 magni ## 63 783676 0 783676 783676 magni ## 64 7022 0 7022 7022 magni ## 65 149917 0 149917 149917 magni ## 66 29982 0 29982 29982 magni	##	56	151063	0	151063	151063	magni
## 59 267390 0 267390 267390 267390 magni ## 60 893561 0 893561 893561 magni ## 61 70577 0 70577 70577 magni ## 62 16836 0 16836 16836 magni ## 63 783676 0 783676 783676 magni ## 64 7022 0 7022 7022 magni ## 65 149917 0 149917 149917 magni ## 66 29982 0 29982 29982 magni	##	57	67809	0	67809	67809	magni
## 60 893561 0 893561 893561 magni ## 61 70577 0 70577 70577 magni ## 62 16836 0 16836 16836 magni ## 63 783676 0 783676 783676 magni ## 64 7022 0 7022 7022 magni ## 65 149917 0 149917 149917 magni ## 66 29982 0 29982 29982 magni	##	58	36882	0	36882	36882	magni
## 61 70577 0 70577 magni ## 62 16836 0 16836 16836 magni ## 63 783676 0 783676 783676 783676 magni ## 64 7022 0 7022 7022 magni ## 65 149917 0 149917 149917 magni ## 66 29982 0 29982 29982 magni	##	59	267390	0	267390	267390	magni
## 62 16836 0 16836 16836 magni ## 63 783676 0 783676 783676 magni ## 64 7022 0 7022 7022 magni ## 65 149917 0 149917 149917 magni ## 66 29982 0 29982 29982 magni	##	60	893561	0	893561	893561	magni
## 63 783676 0 783676 783676 magni ## 64 7022 0 7022 7022 magni ## 65 149917 0 149917 149917 magni ## 66 29982 0 29982 29982 magni	##	61	70577	0	70577	70577	magni
## 64 7022 0 7022 magni ## 65 149917 0 149917 149917 magni ## 66 29982 0 29982 29982 magni	##	62	16836	0	16836	16836	magni
## 65 149917 0 149917 149917 magni ## 66 29982 0 29982 29982 magni	##	63	783676	0	783676	783676	magni
## 66 29982 0 29982 29982 magni	##	64	7022	0	7022	7022	magni
	##	65	149917	0	149917	149917	magni
## 67 25318 0 25318 25318 magni	##	66	29982	0	29982	29982	magni
	##	67	25318	0	25318	25318	magni

Part 2

tnum.getAllProperties()

```
## $values
   [1] "Connecticut/degrees:associates:most"
##
    [2] "Connecticut/degrees:doctorate:most"
##
   [3] "degree:bachelors"
##
##
   [4] "households"
##
   [5] "households:highest"
##
    [6]
       "income:household:median:highest"
   [7] "income:median:highest"
##
   [8] "Maine/bachlors:most"
##
   [9] "Maine/degrees:associates:most"
##
## [10] "Maine/degrees:doctorate:most"
  [11] "Massachusetts/professionals:most"
        "median_household_income"
## [12]
  [13]
        "New_Hampshire/degrees:associates:most"
       "New_Hampshire/population:most"
##
  [14]
  [15] "number"
## [16] "number:biggest"
##
  [17]
       "number:largest"
       "number:smallest"
## [18]
        "population"
## [19]
## [20]
        "population:associates"
##
  [21] "population:bachelors"
## [22] "population:doctorate"
  [23] "population:largest"
  [24] "population:masters"
## [25] "population:no_health_insurance"
## [26] "population:no_health_insurance:female"
## [27] "population:no_health_insurance:male"
## [28] "population:professional"
## [29] "rate:flow:average"
```

```
## [30] "rate:graduation"
## [31] "text"
## [32] "value"
## [33] "which:Population:largest"
median_household_income <- tnum.query("prop:median_household_income")</pre>
## Returned 67 results
t1 <- tnum.query("subj:Maine* and prop:median_household_income and numval: >70000")
## Returned 1 results
t1_tag <- mapply(FUN = tnum.addTag, guid = t1$id,</pre>
                                      tag = "median_income:high",
                                      text = "the households in Maine")
tnum.getTagsOfTn(t1[1,]$id)
## [1] "ME_highest_household_income"
## [2] "ME lowest household income"
## [3] "county:median_household_income"
## [4] "county:population:no health insurance"
## [5] "median household income:large"
## [6] "median_household_income:large"
## [7] "median_income:high"
kable(t1)
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =</pre>
## structure("73072", class = "AsIs"), : provided 5 variables to replace 1
## variables
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =</pre>
## structure("73072", class = "AsIs"), : provided 5 variables to replace 1
## variables
                                                                                                                                                                                             value-
date
              html seaveame
                                              quantitythoutbject wrapper
                                                                                                            si_valtre_id
                                                                                                                                        contexpropertypartid
                                                                                                                                                                                             type value
2022-
                                              magniobal Maline: Combung: Com
                         http:
                         //mssp.t
10-
                                                                              has me-
                                                                                                                                         MA615-
                                                                                                                                                                         a263-
                                                                                                                                         22
                                                                                                                                                                         40a6-
26T18:40:02.426Znum
                                                                              dian household incentration
                         .com:
                                                                              =73072
                                                                                                                    ba61-
                                                                                                                                                                         ba61-
                                                                                                                    efe39e0eab65
                                                                                                                                                                         efe39e0eab65
                         8080/N
                         umberf
                         low/
t2 <- tnum.query("subj:Connecticut* and prop:median_household_income and numval: >70000")
## Returned 6 results
t2_tag <- mapply(FUN = tnum.addTag, guid = t2$id,
                                      tag = "median income:high",
                                      text = "the households in Connecticut")
tnum.getTagsOfTn(t2[1,]$id)
## [1] "county:Median Households Income"
## [2] "county:median_household_income"
```

```
## [3] "county:population:no_health_insurance"
## [4] "county:wealthy"
## [5] "median household income:large"
## [6] "median_household_income:large"
## [7] "median_income:high"
kable(t2)
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag = ## structure(c("95645", : provided 5 variables to replace 1 variables
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag = ## structure(c("95645", : provided 5 variables to replace 1 variables</pre>

## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag = ## structure(c("95645", : provided 5 variables to replace 1 variables</pre>
```

date	${\rm html}\underline{\ \ s} {\bf e} {\bf a} {\bf v} {\bf e} {\bf a} {\bf m} {\bf e}$	quan taintyhsu rbject	wrapper	si_valture_id	contexproperty	partid	type value
2022-	http:	magr aiohd@ almnect	ti GamGeanicy: Febru	915/6453.1:f1@lb 0d	- MSSPmedian_	_houistandddod	n TeNie9564 5
10-	$//\mathrm{mssp}$		has me-	f593-	MA615-	f593-	
26T18:	39:51.4 50Z en		dian_household_	_inco 4ee c-	22	$4 \mathrm{ebc}$ -	
	um.com:		=95645	952d-		952d-	
	8080/N			684e222f1	792	684e222f1	792
	umberf						
	low/						
2022-	http:	magniohd@alnnect	ti CanGeantyaHaot fi	75:4:49 60:forld2-	$MSSPmedian_{\underline{}}$	_ho w@hol4f2 i	n TeNie75b48
10-	//mssp		has me-	f776-	MA615-	f776-	
26T18:	39:52.5 44Z en		dian_household_	_inco 492 b-	22	492b-	
	um.com:		=75148	ab10-		ab10-	
	8080/N			6bbbc8eb	8873	6 bbbc8eb	8873
	umberf						
	low/						
2022-	http:	magniohd@alnnect	tiCanGeanityaLatohi	792066cl48 76f-	$MSSPmedian_{\underline{}}$	_ho ussel4317 6f-i	n TeNie799 06
10-	$//\mathrm{mssp}$		has me-	e286-	MA615-	e286-	
26T18:	39:53.6 32 7en		dian_household_	_inco 487 7-	22	4877-	
	um.com:		= 79906	a5fd-		a5fd-	
	8080/N			37 fc 764 e 1	88c	37 fc 764 e 1	88c
	umberf						
	low/						
2022-	http:	mag niohd@ alnnect	ti CanGeanity:MGdd i	85,893 60dlbsd9-	- MSSPmedian_	_hov 260 rdl c d9i	n TeNie8589 8
10-	$//\mathrm{mssp}$		has me-	b5b4-	MA615-	b5b4-	
26T18:	39:54.7. 12 7 2 en		dian_household_	_inco 4776 -	22	4776-	
	um.com:		=85898	8d5a-		8d5a-	
	8080/N			af9f5a89e	b9c	af9f5a89e	b9c
	umberf						
	low/						
2022-	http:	magn iohd@ ahnect	ti CanaGeanity:1NG wu				n TeNie7349 0
10-	$//\mathrm{mssp}$		has me-	a967-	MA615-	a967-	
26T18:	39:56.9 .00Z en		$dian_household_$	_inco 4ae l5-	22	4ad5-	
	um.com:		=73490	8d99-		8d99-	
	8080/N			5181922ct	fc74	5181922c	c74
	umberf						
	low/						

```
value-
               html_seavename quantaintyhourbject wrapper
date
                                                                                                                       si valdtune id
                                                                                                                                                      contextropertypartid
                                                                                                                                                                                                              type value
                                                 magniohal@ahnecti@utx@eutitutxT6Han&000Mattants3e-MSSPmedian houbz&elld3ein&sNusa7069
2022-
                          http:
10-
                          //mssp
                                                                                      has me-
                                                                                                                                 4bc1-
                                                                                                                                                      MA615-
                                                                                                                                                                                         4bc1-
26T18:39:57.996Zen
                                                                                      dian household incommon 22-
                                                                                                                                                                                         4b22-
                                                                                                                                                      22
                                                                                      = 87069
                                                                                                                                                                                         8e41-
                                                                                                                                 8e41-
                          um.com:
                          8080/N
                                                                                                                                 a84c4d32c360
                                                                                                                                                                                         a84c4d32c360
                          umberf
                          low/
t3 <- tnum.query("subj: Vermont* and prop:median_household_income and numval: >70000")
## Returned 2 results
t3_tag <- mapply(FUN = tnum.addTag, guid = t3$id,
                                         tag = "median_income:high",
                                         text = "the households in Vermont")
tnum.getTagsOfTn(t3[1,]$id)
## [1] "county:median household income"
## [2] "county:population:no_health_insurance"
## [3] "median_income:high"
kable(t3)
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =</pre>
## structure(c("73647", : provided 5 variables to replace 1 variables
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =</pre>
## structure(c("73647", : provided 5 variables to replace 1 variables
                                                                                                                                                                                                              value-
                html seaveame
                                                 quantain the mubject wrapper
                                                                                                                      si valdume id
                                                                                                                                                     contextropertypartid
                                                                                                                                                                                                              type value
date
2022-
                                                  magniolud Vermont V. Commont: Cloiut et v. 736472 200166157- MSSP median hou 220016167- 7380473647
                           http:
                           //mssp.t
10-
                                                                                      has me-
                                                                                                                                a784-
                                                                                                                                                     MA615-
                                                                                                                                                                                         a784-
26T18:40:53.207Znum
                                                                                      dian household incommes-
                                                                                                                                                     22
                                                                                                                                                                                         4cf8-
                           .com:
                                                                                      = 73647
                                                                                                                                8841-
                                                                                                                                                                                         8841-
                           8080/N
                                                                                                                                b4c3ca0db680
                                                                                                                                                                                         b4c3ca0db680
                           umberf
                           low/
2022-
                           http:
                                                  magniobal/welmont/Graunty://Graunty://www.magniobal/welmont/Graunty://www.magniobal/welmont/Graunty://www.magniobal/welmont/Graunty://www.magniobal/welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmont/Graunty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmonty://welmon
                           //mssp.t
                                                                                      has me-
                                                                                                                                1ab0-
                                                                                                                                                     MA615-
                                                                                                                                                                                         1ab0-
26T18:40:56.7it562num
                                                                                      dian household incoma8-
                                                                                                                                                     22
                                                                                                                                                                                         4da8-
                                                                                      =71587
                                                                                                                                b7bc-
                                                                                                                                                                                         b7bc-
                           .com:
                                                                                                                                b563ab01dd9a
                                                                                                                                                                                         b563ab01dd9a
                           8080/N
```

t4 <- tnum.query("subj:New_Hampshire* and prop:median_household_income and numval: >70000")

Returned 4 results

umberf low/

```
t4_tag <- mapply(FUN = tnum.addTag, guid = t4$id,
                   tag = "median_income:high",
                   text = "the households in New_Hampshire")
tnum.getTagsOfTn(t4[1,]$id)
## [1] "county:median_household_income"
## [2] "county:population:no health insurance"
## [3] "median household income:large"
## [4] "median household income:large"
## [5] "median income:high"
kable(t4)
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =</pre>
## structure(c("72960", : provided 5 variables to replace 1 variables
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =</pre>
## structure(c("72960", : provided 5 variables to replace 1 variables
                                                                                               value-
date
       html swavename quantatthsurbject wrapper
                                                        si valdtune id
                                                                      contexpropertypartid
                                                                                               type value
2022-
            http://
                      magraiohelNetw HarNoshir Halomoshir St. 1720 Montaga Stralfford MSSP median hou 45 sel 45 ld 1 bit Es Nort 2060
                                                            43c6-
                                                                                      43c6-
10-
            mssp.t
                                        has me-
                                                                      MA615-
26T18:40:41.756Zaum
                                        dian household incorteefd-
                                                                      22
                                                                                      4afd-
                                        =72960
                                                                                      b407-
            .com:
                                                            b407-
            8080/N
                                                            c2f56f6bb52a
                                                                                      c2f56f6bb52a
            umberf
            low/
2022-
            http://
                      magniohalNetw HarNoshirHoloopshirMetriibina7N425tinMtSSPnedian hotseft4425tinTesNuer51787
                                        has me-
                                                            3bb2-
                                                                      MA615-
                                                                                      3bb2-
10-
            mssp.t
26T18:40:39.56925um
                                        dian household incom@ce-
                                                                      22
                                                                                      42ce-
                                                                                      b20e-
                                        = 75737
                                                            b20e-
            .com:
            8080/N
                                                            e0948048bd02
                                                                                      e0948048bd02
            umberf
            low/
2022-
                      magniohalNetv HanNoshirEtQuopshireROSNiiGH2R5dQ3aANSSPnedian ho644d5d034EsNu93756
            http://
10-
            mssp.t
                                        has me-
                                                            de36-
                                                                      MA615-
                                                                                      de36-
                                                                                      4e99-
26T18:40:40.6662 mm
                                        dian household income99-
                                                                      22
            .com:
                                        = 93756
                                                            9ef6-
                                                                                      9ef6-
            8080/N
                                                            d5deb57bcb8f
                                                                                      d5deb57bcb8f
            umberf
            low/
2022-
            http://
                      magniohalNew HarNoshirHaloopshyrHals4664445H469oMSSInnedian housetfall409inEsNoshi466
            mssp.t
                                        has me-
                                                            14ef-
                                                                      MA615-
                                                                                      14ef-
26T18:40:38.4776Znum
                                        dian_household_incomæ7-
                                                                      22
                                                                                      41e7-
                                        = 81460
                                                            8c6a-
                                                                                      8c6a-
            .com:
            8080/N
                                                            5fd02d699b31
                                                                                      5fd02d699b31
            umberf
            low/
```

t5 <- tnum.query("subj:Massachusetts* and prop:median_household_income and numval: >70000")

Returned 9 results

```
t5_tag <- mapply(FUN = tnum.addTag, guid = t5$id,
                                      tag = "median_income:high",
                                       text = "the households in Massachusetts")
tnum.getTagsOfTn(t5[1,]$id)
## [1] "county:large"
## [2] "county:median household income"
## [3] "county:population:no_health_insurance"
## [4] "county:rich(Group 4)"
## [5] "county:rich(Group 4)"
## [6] "county:wealthy"
## [7] "median household income:large"
## [8] "median_household_income:large"
## [9] "median_income:high"
kable(t5)
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =</pre>
## structure(c("89489", : provided 5 variables to replace 1 variables
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =</pre>
## structure(c("89489", : provided 5 variables to replace 1 variables
                                                                                                                                                                                               value-
date
              html seavename quantainth surbject wrapper
                                                                                                               si valdtune id
                                                                                                                                           contextropertypartid
                                                                                                                                                                                               type value
2022-
                                             magraiohalMassachuNetatsaChusetttaPCvMtttaPDtv2000thMSSPnedian hov2016t2009dinTeNue201480
                        http://
10-
                        mssp.t
                                                                                has me-
                                                                                                                                           MA615-
                                                                                                                                                                           dc96-
26T18:40:29.7452num
                                                                                dian household inco43ea-
                                                                                                                                           22
                                                                                                                                                                           43ea-
                        .com:
                                                                                = 89489
                                                                                                                        ab40-
                                                                                                                                                                           ab40-
                        8080/N
                                                                                                                        915f89c2fea2
                                                                                                                                                                           915f89c2fea2
                        umberf
                        low/
                                             magniohalMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassachuMassa
2022-
                        http://
10-
                        mssp.t
                                                                               has me-
                                                                                                                        79fc-
                                                                                                                                           MA615-
                                                                                                                                                                           79fc-
26T18:40:31.92425um
                                                                                dian household inco4080-
                                                                                                                                           22
                                                                                                                                                                           4080-
                                                                                                                                                                           af84-
                                                                                = 74679
                                                                                                                        af84-
                         .com:
                                                                                                                        23cc9a084cfc
                                                                                                                                                                           23cc9a084cfc
                        8080/N
                        umberf
                        low/
2022-
                        http://
                                             magniohalMassachuNetatsaChusetetsNorfi618291N368699-MSSPmedian housel63699inTsNorfi618291
10-
                                                                                has me-
                                                                                                                                           MA615-
                                                                                                                                                                           c32d-
                        mssp.t
                                                                                                                        c32d-
                                                                                                                                                                           4602-
26T18:40:28.66927aum
                                                                                dian household inco4602-
                                                                                                                                           22
                                                                                = 103291
                                                                                                                                                                           acef-
                        .com:
                                                                                                                        acef-
                        8080/N
                                                                                                                        781657013503
                                                                                                                                                                           781657013503
                        umberf
                        low/
2022-
                        http://
                                             magniohalMassachuNetatsaChunetttEGvoTe0263EnGe22- MSSPnedian houselfal222inTeNneT0268
10-
                                                                                has me-
                                                                                                                        6845-
                                                                                                                                           MA615-
                                                                                                                                                                           6845-
                        mssp.t
26T18:40:22.126Znum
                                                                               dian household inco4acc0-
                                                                                                                                           22
                                                                                                                                                                           4af0-
                        .com:
                                                                                = 79263
                                                                                                                                                                           ac27-
                        8080/N
                                                                                                                        fce7c7babd5b
                                                                                                                                                                           fce7c7babd5b
                        umberf
                        low/
```

date	html_seaveame	quan aityhsu bject	wrapper	si_valture_id	contexptrope.	rtypartid	value- type value
2022-	http://	magn iohdkal ssach	nu kéassaChusetytsB G	ri 7.403618 8867ta	ablMSSPmedia	n_ho 7\$8867	aainToNne74B8
10-	mssp.t		has me-	3c00-	MA615-	3c00-	
26T18	:40:17.7 :49:Z num		dian_household_	_inco 4h ea-	22	4bea-	
	.com:		= 74336	94d0-		94d0-	
	8080/N			e925f411	568c	e925f41	1568c
	umberf						
	low/						
2022-	http://	magniohdMassach	nu &&assaChus &yt&G	d ines632 f92ele2	exMSSPmedia	n_ho b2f92kd	<u> 2-inTeNneh0126</u>
10-	mssp.t		has me-	3bf9-	MA615-	3bf9-	
26T18	:40:26.5 :07eZ num		dian_household	_inco 4aa d-	22	4aad-	
	.com:		= 102603	8026-		8026-	
	8080/N			71babbfe	eb154	71babb	feb154
	umberf						
	low/						
2022-	http://	magr iohdM assach	nu MeatssaChusetyt:H @	n7 psh/bH 3d5pSl	6iirMSSPmedia	n_ho usæ3d51d	36inToNne7087
10-	mssp.t	-	has me-	6ae4-	MA615-	6ae4-	
26T18	:40:25.4 316 25um		dian_household	_inco 4de a-	22	41ea-	
	.com:		=70876	a6d6-		a6d6-	
	8080/N			c433be16	d4f1c	c433be	1d4f1c
	umberf						
	low/						
2022-	http://	mag niohdM assach	nu MetssaChusetytsN G	n t071741 7699cf9	ketMSSPmedia	n ho use1991c1	9-in TeNnet10 77
10-	mssp.t	_	has me-	0593-	MA615-	0593-	
26T18	:40:27.5 92-7 num		dian_household	inco 43 bb-	22	43bb-	
	.com:		= 107717	ad0f-		ad0f-	
	8080/N			c3f0ec3a	ed05	c3f0ec3	aed05
	$\stackrel{'}{\mathrm{umberf}}$						
	low/						
2022-	http://	magniohdMassach	nu Néats aChusetyt£DG	kiek81/4Dhel32 2a	a- MSSPmedia	n ho ve 9elle 3121	2ain ToNue7118 di
10-	mssp.t	<u> </u>	has me-	a1e8-	MA615-	a1e8-	_
26T18	:40:21.0 3&Z num		dian_household	inco 409 7-	22	4097-	
	.com:		=71811	 8b8c-		8b8c-	
	8080/N			fb31768b	pe890	fb31768	8be890
	$\stackrel{'}{\mathrm{umberf}}$						
	low/						

tnum.getAllProperties()

```
## $values
  [1] "Connecticut/degrees:associates:most"
  [2] "Connecticut/degrees:doctorate:most"
##
##
   [3] "degree:bachelors"
   [4] "households"
##
   [5] "households:highest"
   [6] "income:household:median:highest"
##
  [7] "income:median:highest"
##
  [8] "Maine/bachlors:most"
##
  [9] "Maine/degrees:associates:most"
##
## [10] "Maine/degrees:doctorate:most"
## [11] "Massachusetts/professionals:most"
## [12] "median_household_income"
```

```
## [13] "New_Hampshire/degrees:associates:most"
## [14] "New_Hampshire/population:most"
## [15] "number"
## [16] "number:biggest"
## [17] "number:largest"
## [18] "number:smallest"
## [19] "population"
## [20] "population:associates"
## [21] "population:bachelors"
## [22] "population:doctorate"
## [23] "population:largest"
## [24] "population:masters"
## [25] "population:no_health_insurance"
## [26] "population:no_health_insurance:female"
## [27] "population:no_health_insurance:male"
## [28] "population:professional"
## [29] "rate:flow:average"
## [30] "rate:graduation"
## [31] "text"
## [32] "value"
## [33] "which:Population:largest"
population <- tnum.query("prop:population")</pre>
## Returned 67 results
x1 <- tnum.query("subj:Connecticut* and prop:households and numval: >1000")
## Returned 8 results
x1_tag <- mapply(FUN = tnum.addTag, guid = x1$id,</pre>
                  tag = "households:large",
                  text = "the households in Connecticut")
tnum.getTagsOfTn(x1[1,]$id)
## [1] "C_pophouseholds_1k" "county:Households" "households:large"
kable(x1)
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =</pre>
## structure(c("340189", : provided 5 variables to replace 1 variables
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =</pre>
## structure(c("340189", : provided 5 variables to replace 1 variables
                                                                                         value-
                      quantaitythoubject wrapper
date
       html searmeame
                                                    si valtume id
                                                                  contextroperaytid
                                                                                         type value
2022-
            http:
                      magnitudeadnnecticulorGrochicuECrobalthy STatellelid-
                                                                  MSSPhousehold$53e0c6d- TsNu3410489
10-
                                                                  MA615-
                                                                               546f-
            //mssp.t
                                       has
                                                        546f-
26T18:39:51.525Znum
                                       households
                                                        4261-
                                                                  22
                                                                               4261-
                                       = 340189
                                                        879f-
                                                                               879f-
            .com:80
            80/Num
                                                        4430bf393e1b
                                                                               4430bf393e1b
            berflow/
```

date	html searreame	quan titu th ou bject	wrapper	si <u>val</u> tue_id	contextrop	ograytid	value- type value
2022-	http:	magn itolidea dinnect				- •	TsNumable
10-	//mssp.t	masmountammee	has	955b-	MA615-	955b-	151 (41111)
-	39:53.7 06Z num		households	4bcd-	22	4bcd-	
20110.	.com:80		= 74143	a84e-	22	a84e-	
	80/Num		- 14140	968caf6a50	603	968caf6a5	693
	berflow/			300001000	330	500ca10a9	0.50
2022-	http:	magnitolad Calnnect	iantitaen Partituit	6155 682 0H22nd8-	MSSPhous	sehold20b22ca8-	TsNบก็จีได้&
.0-	//mssp.t	masmountammee	has	03a6-	MA615-	03a6-	1511444000
-	39:58.0 73Z num		households	462a-	22	462a-	
0110.	.com:80		= 55683	9ccc-	22	9ccc-	
	80/Num		- 555005	676b5083d	1364	676b5083c	1364
	berflow/			01000000	1900	07000000	1500
2022-	http:	magn ituhak adnnect	iaataaraa kan W	Cinalbatian in allower	MSSPhous	sehold281c4cae	TcN1144105
.0-	//mssp.t	magracumatammect	has	fa85-	MA615-	fa85-	1511 (1 11111) (
-	39:59.1 46Z num		households	4659-	22	4659-	
.0110.	.com:80		=44953	b909-	22	b909-	
	80/Num		- 44900	ead030899	lb51	ead030899)h51
	berflow/			ead030699	1001	eadusuoss	9091
2022-	,	ma anituh dekahan aat	i GtoGwatitan N	Ga19 70014h	MCCDhan	ahalæfdhd4ah	TaN.,4617.0
.0-2	http:	magn itulnal@i nnect		ем <u>пин</u> у имени ц <u>ч</u> вон 7750-	MA615-		· ISINULIUM 6
-	//mssp.t		has households			7750-	
20118:	39:56.9 77Z num			4046-	22	4046-	
	.com:80		= 107827	ab5b-	06-	ab5b-	0.6-
	80/Num			d2c9746fb	90a	d2c9746fb	90a
0000	berflow/		:-C+-C+1N		MCCDL	1 1 - 14- 0 - 160 - 17	T-N-2905
2022-	http:	magn ituhak adnnect					ISIN UJUJU OD I
.0-	//mssp.t		has	bff3-	MA615-	bff3-	
26118:	39:55.8 86Z num		households	42b8-	22	42b8-	
	.com:80		= 330572	b4d7-		b4d7-	
	80/Num			21e402088	7a5	21e402088	37a5
2000	berflow/			miana - altea uto	MOOD	1 1 10 5 60 4 10	T N 000
2022-	http:	magn itulud.C adnnect					TsNu 6697
10-	//mssp.t		has	470f-	MA615-	470f-	
?6T18:	39:54.7 85/Z num		households	4f20-	22	4f20-	
	.com:80		= 66971	98d1-		98d1-	
	80/Num			de4730c88	272	de4730c88	3272
	berflow/						
2022-	http:	magn ituhd@ dnnect					TsNu 35164
.0-	$//\mathrm{mssp.t}$		has	bb1f-	MA615-	bb1f-	
26T18:	39:52.6 18Z num		households	45fb-	22	45fb-	
	.com:80		= 350408	93ec-		93ec-	
	80/Num			cd3040d95	5210	cd3040d95	5210
	berflow/						

```
x2 <- tnum.query("subj:Maine* and prop:households and numval: >1000")
```

```
## Returned 16 results
```

[1] "M_pophouseholds_1k" "Maine_pophouseholds_1k" "households:large"
kable(x2)

Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =
structure(c("21321", : provided 5 variables to replace 1 variables
Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =
structure(c("21321", : provided 5 variables to replace 1 variables</pre>

date	html_searmearme	quan tity th ou bject v	wrapper	si_valltme_id	contexpropept	yrt i sd	value- type value
2022-	http:	magn atuhdala ine:Cd	MaiyeS6merty	t 2632@s5t ce67-	MSSPhouseho	ld9a5cce67-	TsNu2n132n1
10-	$//\mathrm{mssp.t}$	ŀ	nas	9883-	MA615-	9883-	
26T18:	40:13.49 5 2num	ŀ	nouseholds	489c-	22	489c-	
	.com:80	=	= 21321	b7bd-		b7bd-	
	80/Num			2877a763d	ed0	2877a763d	ed0
	berflow/						
2022-	http:	magn atuhde/al ine:Cd		: \$5.28@18.b46 efd-	MSSPhouseho		TsNu ih519& 10
10-	$//\mathrm{mssp.t}$		nas	a05e-	MA615-	a05e-	
26T18:	40:12.35 4 2enum		nouseholds	41db-	22	41db-	
	.com:80	=	= 15980	bbe2-		bbe2-	
	80/Num			5df76f8784	:a0	5df76f8784	la0
	berflow/						
2022-	http:	magn atuhde/da ine:Cd					TsNu 2366 1
10-	$//\mathrm{mssp.t}$		nas	c3ce-	MA615-	c3ce-	
26T18:	40:04.68 1 2 num		nouseholds	4244-	22	4244-	
	.com:80	=	= 23661	8774-		8774-	
	80/Num			498449502	269	498449502	269
	berflow/						
2022-	http:	magn atuhde/Al ine:Cd					TsNu 62/16 06
10-	$//\mathrm{mssp.t}$		nas	5c55-	MA615-	5c55-	
26T18:	40:10.1 73 2num		nouseholds	4f8c-	22	4f8c-	
	.com:80	=	= 62156	be9e-		be9e-	
	$80/\mathrm{Num}$ berflow/			de6986782	b24	de6986782	b24
2022-	http:	magn ituhde/di line:Cd	MaineWahahaty	: W286 b3a17d9-	MSSPhouseho	old \$ b3a17d9-	TsNu i m/12/346
10-	$//\mathrm{mssp.t}$	ŀ	nas	2179-	MA615-	2179-	
26T18:	40:14.58 0 2 num	ŀ	nouseholds	4fc3-	22	4fc3-	
	.com:80	=	= 17236	9da2-		9da2-	
	80/Num			859a554f40)d8	859a554f4	0d8
	berflow/						
2022-	http:	magn ituhde/da ine:Cd	Maine Mokinty	: 853 k 4 be9bb29-	MSSPhouseho	old s be9bb29-	TsNu 8534 4
10-	$//\mathrm{mssp.t}$		nas	0d19-	MA615-	0d19-	
26T18:	40:16.74 5 2num	ŀ	nouseholds	4094-	22	4094-	
	.com:80	=	= 85314	bb15-		bb15-	
	80/Num			7eb75d7c2	ac5	7 eb75 d7c2	ac5
	berflow/						
2022-	http:	magn atuhdadal ine:Cd	MaineHilocolty	: L588668 4a6d5e-		old s 84a6d5e-	TsNu ih51363 6
10-	$//\mathrm{mssp.t}$		nas	1c63-	MA615-	1c63-	
26T18:	40:07.98 8 2num	ŀ	nouseholds	4dff-	22	4dff-	
	.com:80	=	= 15336	95be-		95be-	
	80/Num			0215 ec 9586	eff	0215 ec958	eff
	berflow/						

date	html_searmearme	quan tity th su bject	wrapper s	si_valltme_id	contexptrope	epntayrtisd	value- type value
2022-	http:	magn ituhdeMi line:(CoMartiyeFCcombiliyi:1	F r84%Tid 3cab8-	MSSPhouse	eholds5d3cab8-	TsNuihil&da
LO-	//mssp.t		has	d9ca-	MA615-	d9ca-	
6T18	:40:03.5 91 2 : num		households	47ac-	22	47ac-	
	.com:80		= 11848	85b7-		85b7-	
	80/Num			1cd87d4d7	7f03	1cd87d4d7	'f03
	berflow/						
022-	http:	magnatuhna Maline: 0	CdvIaitiyeFGkoantayçi	70:25:812lq5:8:4 9c-	MSSPhouse	ehold \$ 2b5849c-	TsNu nd2 e
0-	//mssp.t		has	c97d-	MA615-	c97d-	
6T18	:40:11.2 65/2 num		households	473e-	22	473e-	
	.com:80		=7025	b1b3-		b1b3-	
	80/Num			3f6cefba21	39	3f6cefba21	.39
	berflow/						
2022-	http:	magnatuhale Maline: 0	CdvIaitiyeAGolnotsgo	A56336 3556ff@ifa	MSSPhouse	ehold\$356ff04-	TsNu 4563
0-	//mssp.t		has	16d0-	MA615-	16d0-	
6T18	:40:00.3 1:4 2enum		households	4459-	22	4459-	
	.com:80		=45630	a904-		a904-	
	80/Num			118019879	fa4	118019879	fa4
	berflow/						
022-	http:	magnatuhaddaline:0	CoMatiyeWashitigf	XXX 91D an Glt 2068-	MSSPhouse	ehold 9 a6b2068-	TsNu h3176
0-	//mssp.t		has	7759-	MA615-	7759-	
6T18	:40:15.6 68 2 num		households	48f8-	22	48f8-	
	.com:80		= 13791	a07c-		a07c-	
	80/Num			c5d4a23cc	b0d	c5d4a23cc	b0d
	berflow/						
022-	http:	magn atuhdeMa ine:0	CoMaiyeK@metyel	52di0.59db9e4 553a-	MSSPhouse	ehold 9 b94553a-	TsNu 52 10
0-	$//\mathrm{mssp.t}$		has	fc23-	MA615-	fc23-	
6T18	:40:05.7 66 2 : num		households	416f-	22	416f-	
	.com:80		= 52105	b613-		b613-	
	80/Num			5311ad051	la8d	5311 ad051	.a8d
	berflow/						
022-	http:	magn ituhde/Al ine:(TsNu1h2160€
0-	$//\mathrm{mssp.t}$		has	d642-	MA615-	d642-	
6T18	:40:02.50 12 num		households	4674-	22	4674-	
	.com:80		= 120644	b5fa-		b5fa-	
	80/Num			681a1e1af	349	681a1e1af3	349
	berflow/		~~		3.500001		
022-	http:	magn ituhde/Al ine:(eholds2467e3a-	TsNuih71602
0-	//mssp.t		has	9631-	MA615-	9631-	
6T18	:40:06.90 2 Znum		households	4cc3-	22	4cc3-	
	.com:80		= 17020	9661-		9661-	
	80/Num			ad7b9ffc6	549	ad7b9ffc65	549
000	berflow/		~	**************************************	1.000	1 115 01 -	ED 31 0000
022-	http:	magn ituhde/Al ine:0				eholds5c3dca9-	TsNu 2995 d
0-	//mssp.t		has	e5e0-	MA615-	e5e0-	
6T18	:40:01.40 412 num		households	4efe-	22	4efe-	
	.com:80		= 29516	8aa2-		8aa2-	40
	80/Num			dafb1d832	248a	dafb1d832	48a
	berflow/						

date	html_searmearme	quan tity th ou bject	wrapper	si_valltme_id	contextropent	yrtisd	value- type value
2022-	http:	magn atuhdadal ine:C	Colorative Conford	y: 21:3636 11f6baa9-	MSSPhouseho	oldfilf6baa9-	TsNu 2 113638
10-	$//\mathrm{mssp.t}$	_	has	67b8-	MA615-	67b8-	
26T18:	40:09.0 7:12 :num		households	4438-	22	4438-	
	.com:80		= 21338	92e2-		92e2-	
	80/Num			df510ec368	387	df510ec36	887
	berflow/						

```
x3 <- tnum.query("subj:Massachusetts* and prop:households and numval: >1000")
```

```
## Returned 14 results
```

[1] "M_pophouseholds_1k" "Mas_pophouseholds_1k" "households:large"
kable(x3)

```
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =
## structure(c("217912", : provided 5 variables to replace 1 variables</pre>
```

Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag = ## structure(c("217912", : provided 5 variables to replace 1 variables

date	html_seaveame	quan titų th su bject	wrapper	si_	val tue _id	contexprope	vaytid	value- type value
2022-	http:	magn itolnak/a/a ssach	usMatsss@dowstext#	B:12:17	A192:2818:c09-	MSSPhouse	hold¥42b8e09-	TsNu2d159d2
10-	//mssp.t		has		199f-	MA615-	199f-	
26T18	:40:19.9 %tZ num		households		4fe 7 -	22	4fe 7 -	
	.com:80		=217912		bcc3-		bcc3-	
	80/Num				f5df99a25e	eb9	f5df99a25	cb9
	berflow/							
2022-	http:	magn ithddd issach	usMatass@dnusteyt#	t W360	953 959000000000000000000000000000000000	teMSSPhouse	hold2398ea98-	TsNu 30199 151
10-	$//\mathrm{mssp.t}$		has		cb0a-	MA615-	cb0a-	
26T18	:40:31.9 98Z num		households		435a-	22	435a-	
	.com:80		=309951		af55-		af55-	
	80/Num				30d0308e7	3d6	30d0308e7	3d6
	berflow/							
2022-	http:	magn ithddd issach	usMatssachustett	H:558p	alaya d B59751	nilMeSSPhouse	hold 2 3d35971-	TsNu 5/8/8/8
10-	$//\mathrm{mssp.t}$		has		afb7-	MA615-	afb7-	
26T18	:40:25.5 07iZ num		households		4bc5-	22	4bc5-	
	.com:80		= 58838		8661-		8661-	
	80/Num				d37589bf9	eff6	d37589bf9	ff6
	berflow/							
2022-	http:	magn ituhdelal ssach	usMatssadduustett	Su BOO	8 82 Suffd1k	MSSPhouse	hold 2fac 5d9-	TsNu 36098 44
10-	//mssp.t		has		3abd-	MA615-	3abd-	
26T18	:40:30.9 01/Z num		households		4d8c-	22	4d8c-	
	.com:80		= 309844		bc95-		bc95-	
	80/Num				cbb4c4b3f	cba	cbb4c4b3f	cba
	berflow/							

date	html_sexvene	quan tity th su bject	wrapper	si_valltme_id	contexprop	q ray tid	value- type value
2022-	http:	magn ituhd&la ssach	usVeltetss6dehustett1	B:1 C:8:7466:1 P:19e17	utMSSPhous	ehold&e1b9e17-	TsNu h81741 6
10-	//mssp.t	Ü	has	98b6-	MA615-	98b6-	
26T18:	40:29.8 19Z num		households	4ea0-	22	4ea0-	
	.com:80		= 187460	be07-		be07-	
	80/Num			3480 dd 97	7012f	3480 dd 970)12f
	berflow/						
2022-	http:	magnituhde 44 ssach	usMatsss@do ust ett1	B:: 94828 HB :2174	abMeSSPhous	ehold&be12f74-	TsNu 94132 13
0-	//mssp.t	<u> </u>	has	2b39-	MA615-	2b39-	
6T18:	40:17.8 28Z num		households	4a69-	22	4a69-	
	.com:80		= 94323	9518-		9518-	
	80/Num			d99f23a7	3791	d99f23a73	791
	berflow/						
2022-	http:	magnituhdeldissach	usMatsss@chustett1	S:337413Bet4N2e48 a	ek#MSSPhous	ehold\$b42e48a-	TsNu 3711& r
0-	//mssp.t		has	372c-	MA615-	372c-	
6T18:	40:27.6 677Z num		households	4195-	22	4195-	
	.com:80		= 3713	a138-		a138-	
	80/Num			ded80822	204b5)4b5
	berflow/						
022-	http:	magn ituhdelal ssach	usMetetss@dowstett1	MC6048823883518	seMSSPhous	ehold s 2388358-	TsNu 66143 8
0-	//mssp.t	O	has	e069-	MA615-	e069-	
6T18:	40:26.5 80Z num		households	4048-	22	4048-	
	.com:80		=604384	83b7-		83b7-	
	80/Num			e70e7cfaa	ac70	e70e7cfaac	e70
	berflow/						
2022-	http:	magn ituhdelal ssach	usMetetss@dowstett1	E :\$042024258 15	- MSSPhous	eholds3427815-	TsNu 2942 6
0-	//mssp.t		has	d2e7-	MA615-	d2e7-	
6T18:	40:22.2 011Z num		households	4258-	22	4258-	
	.com:80		= 294202	8740-		8740-	
	80/Num			f7d7ffc8c	e49	f7d7ffc8ce	49
	berflow/						
022-	http:	magnituhdeldissach	usMatsssGchustettl	D. 667651b8 Defikes	MSSPhouse	eholdsx85ef5bf-	TsNu 6/7/6/5 r
0-	//mssp.t	O	has	5b2b-	MA615-	5b2b-	
6T18:	40:21.1 †7Z num		households	4188-	22	4188-	
	.com:80		= 6765	bc4d-		bc4d-	
	80/Num			6cef46af9	c5c	6cef46af9c	5c
	berflow/						
022-	http:	magnituhd&ddssach	usMetetss@dowstett1	S: @651809 :No.7fe9	k MSSPhous	eholds9c1a7e9-	TsNu 2653 6
0-	//mssp.t	O	has	c4fb-	MA615-	c4fb-	
	40:28.7 48Z num		households	4bff-	22	4bff-	
	.com:80		= 265300	b616-		b616-	
	80/Num			97c04254	e11b	97c04254e	11b
	berflow/						
022-	http:	magn ituhd&la ssach	usMatassachustetd	H:0179412AcH4b09	deMSSPhous	eholdæcb4b02-	TsNu1n71946
0-	//mssp.t		has	970b-	MA615-	970b-	151. 31110/02
	40:24.3 72Z num		households	486a-	22	486a-	
J 1 1 U.	.com:80		= 179423	adaf-		adaf-	
	80/Num		110120	1c8a552b	afef	1c8a552ba	fef
				100000000	~~~	100000400	

date	html_seareame	quan titu th su bject	wrapper	si_valtue_id	contexprope	paytid	value- type value
2022-	http:	magn ithdeldi ssach	usValtatsss Cichusteyt:	tFr &0564 2Fre99H	in MSSPhouse	hold\$2ece99b-	TsNu 3:0156 9
10-	//mssp.t	-	has	204e-	MA615-	204e-	
26T18:	:40:23.2 89Z num		households	4bcb-	22	4bcb-	
	.com:80		= 30569	b53d-		b53d-	
	80/Num			70a23f60e	m ed2c	70a23f60e	d2c
	berflow/						
2022-	http:	magnituhdadassach	usMatass@dowstext	tB:GHShhitlerE2e823	irMSSPhouse	holdsae2e823-	TsNu 5/4/8 dr
10-	//mssp.t		has	f8cb-	MA615-	f8cb-	
26T18:	:40:18.9 011Z num		households	43b9-	22	43b9-	
	.com:80		= 54813	9538-		9538-	
	80/Num			8a9b98a8	bbc9	8a9b98a8l	obc9
	berflow/						

```
x4 <- tnum.query("subj:New_Hampshire* and prop:households and numval: >1000")
```

```
## Returned 10 results
```

[1] "NH_pophouseholds_1k" "households:large"

kable(x4)

```
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =
## structure(c("13768", : provided 5 variables to replace 1 variables</pre>
```

Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag = ## structure(c("13768", : provided 5 variables to replace 1 variables

date	html_seaveame	quan tity th su bje	ct wrapper	si_valltme_id	contexproper	nytid	value- type value
2022-	http:	magnitolnale Medw_	Ham ybstvird:Kamps	lyi:1 0.876& 0 taya:7976s	MSSPhouseh	oldæaa7976-	TsNu h3176 18
10-	//mssp.t		has	4531-	MA615-	4531-	
26T18	:40:36.3 72Z num		households	4dbb-	22	4dbb-	
	.com:80		= 13768	8c78-		8c78-	
	80/Num			44098955a	ac4d	44098955a	ac4d
	berflow/						
2022-	http:	magni ohd& elw_	_Ham\be\wird:Kamps	lyi:G43237744fcbft	oMSSPhouseh	old8774afcb-	TsNu 34172 17
10-	//mssp.t		has	86a7-	MA615-	86a7-	
26T18	:40:37.4 60Z num		households	474c-	22	474c-	
	.com:80		= 34727	a8d7-		a8d7-	
	80/Num			4a4d399bc	efd6	4a4d399b	cfd6
	berflow/						
2022-	http:	magnitohda etw_	Hambewird:Kamps	lyi:1 2:505:26 66bB68:-	naMSSPhouseh	old£66b1f68-	TsNu 2506 2
10-	//mssp.t		has	d1e0-	MA615-	d1e0-	
26T18	:40:33.0 811Z num		households	4854-	22	4854-	
	.com:80		= 25052	9859-		9859-	
	80/Num berflow/			d777f1256	7cd	d777f1256	67cd

date	html_seaveame	quan tity h su bje	ct wrapper	si_valtme_id	contextrop	e pray tid	value- type value
2022-	http:	magnitohde elw	Hambswird: Kamps		rolMSSPhous	${\text{ehold} \cdot \text{c2e31b0}}$	TsNu2d146
10-	//mssp.t		has	a26d-	MA615-	a26d-	
	40:34.1 54Z num		households	4a47-	22	4a47-	
	.com:80		= 21456	af06-		af06-	
	80/Num			74963d4a	icac3	74963d4ac	ac3
	berflow/						
2022-	http:	magni ohd<i>e</i> w	Ham ysw ire :Kamp et	lvi:\$4 39392d 6813a	ffoMSSPhous	ehold92d6f03e-	TsNu481981
0-	//mssp.t		has	e718-	MA615-	e718-	
	40:41.8 29Z num		households	4570-	22	4570-	
	.com:80		=48982	853f-		853f-	
	80/Num			ddb8e302	20522	ddb8e3020)522
	berflow/			4430000		44500000	
2022-	http:	magniohd Nelw	Ham ysw iret:Kampet	lvi:N 12 64 5idn 6t5akNBfr	rin MaSE Phous	ehold s 65dff3f-	TsNu 5846 1
.0-	//mssp.t		has	a957-	MA615-	a957-	
	40:39.6 #5Z num		households	4849-	22	4849-	
	.com:80		=58452	948a-		948a-	
	80/Num		00-0-	b555b94a	a72e9	b555b94a7	'2e9
	berflow/						
2022-	http:	magniohd Nelw	Ham ysw ire :Kamp et	lvi:I I iII oo o i to 4 II iI s	sb dvi&SPh ous	eholdsld4f8f4-	TsNu h6h0
0-	//mssp.t		has	d70a-	MA615-	d70a-	
	40:38.5 54Z num		households	4529-	22	4529-	
	.com:80		= 161086	a92f-		a92f-	
	80/Num			f00bfe7ce	efe1	f00bfe7cef	e1
	berflow/						
2022-	http:	magnitohde Nedw	Ham ysw ire Hamps	lvi:Sk:7CBi2vanltc:1:Sa:117i	ivaMSSPhous	eholdsdc1ee17-	TsNuh73@
.0-	//mssp.t	_	has	306c-	MA615-	306c-	
26T18:	40:42.9 177Z num		households	45a6-	22	45a6-	
	.com:80		= 17328	a0e9-		a0e9-	
	80/Num			f52158e3	6dfa	f52158e36e	dfa
	berflow/						
2022-	http:	magnitoloade	HambehireHamps	lyin Clideshibatt yl 63de	shiMeSSPhous	ehold\$411b317-	TsNu 360ble r
.0-	//mssp.t		has	54b4-	MA615-	54b4-	
26T18:	40:35.2 30Z num		households	4c55-	22	4c55-	
	.com:80		= 30141	a741-		a741-	
	80/Num			db7998a6	60d6e	db7998a60)d6e
	berflow/						
2022-	http:	magnitolnal Neelw	Ham ysw ird:Ka mp st	lyi:174.2621.0idladbell3cob	kin /(15/5/1P hous	eholdsa0ef5cb-	TsNuh2ble
0-	//mssp.t	_	has	42f2-	MA615-	42f2-	
	40:40.7 39Z num		households	4abb-	22	4abb-	
	.com:80		= 121045	a074-		a074-	
	80/Num			15f323e19	9881	15f323e198	881
	berflow/						

[1] "households:large" kable(x5)

```
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =
## structure(c("19217", : provided 5 variables to replace 1 variables
## Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =
## structure(c("19217", : provided 5 variables to replace 1 variables</pre>
```

date	html_searmeame	quan titu th su bject	wrapper	si_valtme_id	contextrope	pray tid	value- type value
2022-	http:	magnitohd@hlode_	IsRalmold@outsitayrd	BaloohtydBalsta	MSSPhouse	eholdsd4c4bf9-	TsNuh912eh
10-	//mssp.t		has	cf99-	MA615-	cf99-	
26T18	:40:43.9 90Z num		households	4876-	22	4876-	
	.com:80		= 19217	88c7-		88c7-	
	80/Num			$6 \mathrm{ebd} 97 \mathrm{b} 58$	8d81	6 ebd 97b 58	8d81
	berflow/						
2022-	http:	magn ituhdehl ode_	Is Ralmold Eouts layre	1K 660 442 2:19e h167-	MSSPhouse	eholds219d167-	TsNu 6942 6
10-	//mssp.t		has	d9ac-	MA615-	d9ac-	
26T18	:40:45.0 %6Z num		households	4990-	22	4990-	
	.com:80		=69422	9579-		9579-	
	80/Num			e91767a33	a57	e91767a33	a57
	berflow/						
2022-	http:	magn itolod@ali lode_	_IsRalmold@o_ilisitayrd	N 634p7#17 3:130033da	tMSSPhouse	eholds313003d-	TsNu 347 7
10-	$//\mathrm{mssp.t}$		has	07f2-	MA615-	07f2-	
26T18	:40:46.2 39Z num		households	4721-	22	4721-	
	.com:80		= 34777	9fb6-		9fb6-	
	80/Num			22946e646	e89	22946e646	e89
	berflow/						
2022-	http:	magn itolod@ahl ode_	_IsRalmokl@o_llsslayrd	P. @37/07/RP 1405de	nMeSSPhouse	ehold % 8444051-	TsNu 23/79 /
10-	$//\mathrm{mssp.t}$		has	9cf3-	MA615-	9cf3-	
26T18	:40:47.3 98Z num		households	4bfc-	22	4bfc-	
	.com:80		= 237971	a118-		a118-	
	80/Num			6364 fd 21 a	e2f	6364 fd 21a	e2f
	berflow/						
2022-	http:	magn itolod@ahl ode_	_IsRalmokl@o_llsslayrd	Washing4M asan	g MS SPhouse	ehold34bf0b88-	TsNu 4960
10-	$//\mathrm{mssp.t}$		has	6f37-	MA615-	6f37-	
26T18	:40:48.5 711Z num		households	45f4-	22	45f4-	
	.com:80		=49102	85e9-		85e9-	
	80/Num			550a4d0af	964	550a4d0af	964
	berflow/						

```
p1 <- tnum.postStatement(
   stmt = "the highest median income of Maine is Cumberland at 73072",
   notes = "Our first truenumber")

p2 <- tnum.postStatement(
   stmt = "the highest median income of Connecticut is Fairfield at 95645",
   notes = "Our second truenumber")

p3 <- tnum.postStatement(
   stmt = "the highest median income of Vermont is Chittenden at 73647",
   notes = "Our third truenumber")</pre>
```

```
p4 <- tnum.postStatement(</pre>
 stmt = "the highest median income of Hillsborough is Fairfield at 81460",
 notes = "Our fourth truenumber")
p5 <- tnum.postStatement(</pre>
 stmt = "the highest median income of Massachusetts is Nantucket at 107717",
notes = "Our fifth truenumber")
r1 <- tnum.postStatement(</pre>
 stmt = "the highest households of Connecticut at Hartford County is 350408",
 notes = "Our sixth truenumber")
r2 <- tnum.postStatement(</pre>
  stmt = "the highest households of Maine at Cumberland County is 120644",
 notes = "Our seventh truenumber")
r3 <- tnum.postStatement(</pre>
  stmt = "the highest households of Massachusetts at Middlesex County is 604384",
  notes = "Our eighth truenumber")
r4 <- tnum.postStatement(
 stmt = "the highest households of New Hampshire at Hillsborough County is 161086",
 notes = "Our ninth truenumber")
r5 <- tnum.postStatement(
 stmt = "the highest households of Rhode Island at Providence County is 237971",
notes = "Our tenth truenumber")
df <- tnum.jsonArray(list(p1,p2,p3,p4,p5,r1,r2,r3,r4,r5))</pre>
kable(df)
```

Warning in `[<-.data.frame`(`*tmp*`, , j, value = structure(list(mag =
structure(c("NULL", : provided 5 variables to replace 1 variables</pre>

date	html <u>s</u> eraueran	nenotes	auth son bject	wrapper	htn_id	conte pt oper p y	artisl	value- type value	quan tii twalue
2022-	http:	Our	pria M aine	the highest	8bd031e	ef-MSSPncome:r	ne 8liad0:311 ;	gfæsLi@mahbe	rla NnidLN ULL
11-	$//\mathrm{ms}$	first		median	1482-	MA615-	1482-	at	
11T03	3:06:45 s469Z ı	tru-		income of	4cfc-	22	4cfc-	73072	
	enum	enum-	-	Maine =	a6b3-		a6b3-		
	.com:	ber		"Cumber-	4 dae 192	66b50	4 dae 192	266 b50	
	8080			land at					
	$/\mathrm{Num}$			73072"					
	berflo								
	w/								
2022-	http:	Our	pria@onnect	ti ¢h ŧ highest	cce09c7a	a-MSSPacome:r	ne che009h7 g	ghÆstLitærætfield	d NUL N ULL
11-	$//\mathrm{ms}$	sec-		median	b2a8-	MA615-	b2a8-	at	
11T03	3:06:45 :66667 1	ond		income of	4364-	22	4364-	95645	
	enum	tru-		Connecticut	a014-		a014-		
	.com:	enum-	-	= "Fairfield	44 f0 c251	15eaf	44 f0 c25	15eaf	
	8080	ber		at 95645 "					
	$/\mathrm{Num}$								
	berflo								
	w/								

								value-	
date	html <u>s</u> eraverar	nenotes a	uthandject	wrapper	htn_id	contextoperpy	rtisd	typevalue	quan t ii <u>t</u> walue
2022-	http:	_	oria W ermont	the highest		6MSSPacome:n		i@6ÆsŁitGhait ter	nd e hULNUULL
11-	$//\mathrm{ms}$	third		median	73cc-	MA615-	73cc-	at	
11T03	3:06:45 sp7.5iZ u	tru-		income of	460e-	22	460e-	73647	
	enum	enum-		Vermont =	a8be-		a8be-		
	.com:	ber		"Chittenden	1e4b4b4	42b78	1e4b4b	0442b78	
	8080			at 73647"					
	$/\mathrm{Num}$								
	berflo								
	w/	_							
2022-	http:	_	oria H illsboro	otdgeh highest		0MSSPacome:n		~	d NUL N ULL
l1-	$//\mathrm{ms}$	fourth		median	b8c1-	MA615-	b8c1-	at	
.1T03	3:06:46sp2 2 Zu	tru-		income of	467b-	22	467b-	81460	
	enum	enum-		Hillsbor-	883c-		883c-		
	.com:	ber		ough =	1a285cfc	dfc0e	1a285c	fdfc0e	
	8080			"Fairfield at					
	/Num			81460"					
	berflo								
2022	w/				01 =4 41	3.500m	OT -4.	el 100 T (3) T	1 211112
2022-	http:	_	oria M assach	utskeetthighest		eMSSPacome:n		~	keNULNULL
l1-	//ms	fifth		median	bb82-	MA615-	bb82-	at	
11103	3:06:46sp9921	tru-		income of	45a3-	22	45a3-	107717	
	enum	enum-		Mas-	a861-	0.0	a861-	10 0	
	.com:	ber		sachusetts	64890ad	.UecUe	64890a	id0ec0e	
	8080			=					
	/Num			"Nantucket					
	berflo			at 107717"					
2022	w/	0	:- Gt1	[IL]4	1 50.111	. CN (CCTD 1 1	11.50.11	_k (TT_NI_9EM 400	
2022-	http:		oria m ounty:			ofMSSPhousehol	_		mag 35040 8
l1- .1702	//ms	sixth		households of	8a67-	MA615- 22	8a67- 40af-	, 0 ,	
.1100	3:06:46 s741tZ u	tru-			40af- b855-	22		350408	
	enum	enum- ber		Connecticut at Hartford	2d47c0e	500ad	b855-	, 0e590cd350408.	
	.com: 8080	bei			2047C0e	590ca	2047C0	1699000390406	,
	/Num			County = 350408					
	berflo			330406					
	w/								
2022-	http:	Our p	rio County	Other barbard ot	·M50n121	6MSSPhousehol	dar to nko	AHG TaN showbgal 1	magri 2006/M
2022- 11-	//ms	sev-	orra m ounty.	households	a5d2-	MA615-	a5d2-	, 0,	шадииминен
	3:06:47s0579bZu	enth		of Maine at	492f-	22	492f-	, o , 120644	
11100	enum	tru-		Cumber-	b5a2-	22	b5a2-		
	.com:	enum-		land County	73585ec	099fc		ec099fc 120644.	
	8080	ber		= 120644	1930000	00010	100000		,
	/Num	501		120044					
	berflo								
	w/								
	vv /								

							Vā	lue-	
date	html <u>sevaver</u> an	nenotes	auth son bject	wrapper	htn_id	conte nt oper p ya	rtisd ty	pevalue	quan tii<u>t</u> walue
2022-	http:	Our	pria@ounty:	Mindedheische sett: N	[a sd624a 5	eltMsSIBousehole	dse d624es i1T	sNu 6604536 4	mag 1610/4/38 64
11-	$//\mathrm{ms}$	eighth	ı	households	2d69-	MA615-	2d69-	, 0,	
11T03	3:06:47 s‡51:Z u	tru-		of Mas-	4340-	22	4340-	604384	
	enum	enum-	-	sachusetts	baf0-		baf0-	,	
	.com:	ber		at	cf2ec1fd	.d8fb	cf2ec1fdd8		
	8080			Middlesex					
	/Num			County =					
	berflo			604384					
	w/								
2022-	http:	Our	pria@ounty:	Hildsbogbregh:at	t: 1277aboa jo 57 b	hidle: 1818: Revousehole	ds21Mbghle5dtdT	sNu h6ab6 86	magi lit10k 6
11-	$//\mathrm{ms}$	ninth		households	b4d9-	MA615-	b4d9-	, 0,	
11T03	3:06:47s 789Z u	tru-		of New	436d-	22	436d-	161086	
	enum	enum-	-	Hampshire	b128-		b128-	,	
	.com:	ber		at Hillsbor-	ed9957e	2aef1	ed9957e2ae	ef1 161086,	
	8080			ough					
	/Num			County =					
	berflo			161086					
	w/								
2022-	http:	Our	pria@ounty:	Pulowihlighestat:I	s laced Ri t	d 4 4SSPhouseholo	dsbhigh7581T	sNu203750e71	mag 12371917 e1
11-	$//\mathrm{ms}$	tenth		households	eac6-	MA615-	eac6-	, 0,	
11T03	3:06:48 sp97:Z u	tru-		of Rhode	4bac-	22	4bac-	237971	
	enum	enum-	-	Island at	b829-		b829-	,	
	.com:	ber		Providence	9710260	86401	9710260864	101237971,	
	8080			County =					
	/Num			237971					
	berflo								
	w/								