quarterlyRentData

Q1. How many quarters are we talking about?

A1. 47

Q2. What q were the protests? = June 2011, = btw q2 and q3

A2. 2011q2 = 23rd quarter

```
(p1.5$quarter)[1]  ## 2006
```

```
## [1] "2006"
```

```
(p1.5$quarter)[47] ## 2016.5
```

```
## [1] "2016.5"
```

```
(p1.5$quarter)[23]
```

```
## [1] "2011.5"
```

Quarters 1-23, 2006q1 to 2011q2 are pre-protest. Quarters 24-47, 2011q3 to 2016q2 are post-protest.

Find the average yearly change in housing prices for each region in the

pre- and post- protest environment.

Formula: [Pq23 - Pq1 / 6.75 (# of years)] * 100%

```
dh = Haifa1.5$value[23] - Haifa1.5$value[1]  ## 90.6 k NIS increase over T
ph = dh/Haifa1.5$value[1] ## 31% increase over T
yh = percent(ph / 6.75)        ## yearly increase

dn = national1.5$value[23] - national1.5$value[1]  ## 90.6 k NIS increase over T
pn = dh/national1.5$value[1] ## 31% increase over T
yn = percent(ph / 6.75)        ## yearly increase

dc = centerJeruPeri1.5$value[23] - centerJeruPeri1.5$value[1]  ## 90.6 k NIS increase over T
pc = dh/centerJeruPeri1.5$value[1] ## 31% increase over T
yc = percent(ph / 6.75)        ## yearly increase

dd = GushDan1.5$value[23] - GushDan1.5$value[1]  ## 90.6 k NIS increase over T
pd = dh/GushDan1.5$value[1] ## 31% increase over T
yd = percent(ph / 6.75)        ## yearly increase

dj = Jerusalem1.5$value[23] - Jerusalem1.5$value[1]  ## 90.6 k NIS increase over T
pj = dh/Jerusalem1.5$value[1] ## 31% increase over T
yj = percent(ph / 6.75)        ## yearly increase

ds = South1.5$value[23] - South1.5$value[1]  ## 90.6 k NIS increase over T
ps = dh/South1.5$value[1] ## 31% increase over T
ys = percent(ph / 6.75)        ## yearly increase
```

```
dn = North1.5$value[23] - North1.5$value[1]  ## 90.6 k NIS increase over T
pn = dh/North1.5$value[1] ## 31% increase over T
yn = percent(ph / 6.75)        ## yearly increase

dq = qrayotHaifa1.5$value[23] - qrayotHaifa1.5$value[1]  ## 90.6 k NIS increase over T
pq = dh/qrayotHaifa1.5$value[1] ## 31% increase over T
yq = percent(ph / 6.75)        ## yearly increase

ds = Sharon1.5$value[23] - Sharon1.5$value[1]  ## 90.6 k NIS increase over T
ps = dh/Sharon1.5$value[1] ## 31% increase over T
ys = percent(ph / 6.75)        ## yearly increase

dt = tlv1.5$value[23] - tlv1.5$value[1]  ## 90.6 k NIS increase over T
pt = dh/tlv1.5$value[1] ## 31% increase over T
yt = percent(ph / 6.75)        ## yearly increase
```

```
shortNames = c("national","centerJeruPeri","GushDan","Haifa","Jerusalem",
               "South","North","qrayotHaifa","Sharon","tlv")

shortNames
```

```
##  [1] "national"       "centerJeruPeri" "GushDan"        "Haifa"
##  [5] "Jerusalem"      "South"          "North"          "qrayotHaifa"
##  [9] "Sharon"         "tlv"
```

```
#typeof(Haifa1.5)
#as.data.frame(Haifa1.5)
#super1.5 = as.data.frame(c(national1.5,centerJeruPeri1.5,GushDan1.5))
```

another section

Table 1: Did protests cool housing market?

# what did housing prices do??		
Region	Pre-Protest	Post-Protest
col 3 is	#$yt	$1600
col 2 is	centered	$12
zebra stripes	are neat	$1