

frbussupport.Rnw: Create Support Files

Gary Young

June 23, 2016

0.1 stdver_varinfo

```
raw = readLines("frbus_package/mods/stdver_varinfo")
```

```
flds = c("seq","vname","vdesc","vtype","vrule","sector",
         "var7","stoch","var8","var9","decomp")
start = c(1,5,16,111,115,117,130,132,135,137,139)
length = c(3,8,94,4,1,13,1,2,1,1,2)
parse = data.frame(flds,start,length)
rownames(parse) = parse$flds
(parse = subset(parse,select = -c(flds)))

##      start length
## seq      1      3
## vname     5      8
## vdesc    16     94
## vtype   111      4
## vrule   115      1
## sector  117     13
## var7    130      1
## stoch   132      2
## var8    135      1
## var9    137      1
## decomp  139      2
```

```
varinfo = data.frame(lapply(flds,
                           function(x) (trimws(substr(raw,parse[x,"start"],
                                                         sum(c(parse[x,"start"],parse[x,"length"],-1)))))))
colnames(varinfo) = flds
varinfo = varinfo[varinfo$vname!="ZZZBLANK",]
rownames(varinfo) = as.character(varinfo[, "vname"])
varinfo$seq = as.numeric(as.character(varinfo$seq))
varinfo$var8 = as.numeric(as.character(varinfo$var8))
varinfo$var9 = as.numeric(as.character(varinfo$var9))
varinfo$decomp = as.numeric(as.character(varinfo$decomp))
str(varinfo)

## 'data.frame': 508 obs. of 11 variables:
## $ seq : num 1 2 3 4 5 6 7 8 9 10 ...
## $ vname : Factor w/ 509 levels "CENG","D01Q4",...: 1 2 3 4 5 6 7 8 9 10 ...
## $ vdesc : Factor w/ 507 levels "10-year expected PCE price inflation (Survey of Pro
## $ vtype : Factor w/ 16 levels "", "B", "B.1", "B.2",...: 6 16 16 16 12 12 12 12 12
## $ vrule : Factor w/ 2 levels "", "A": 2 1 1 1 1 1 1 1 1 1 ...
```

```
## $ sector: Factor w/ 387 levels "", "sector_a.1", ...: 69 1 1 1 1 1 1 1 1 1 ...
## $ var7 : Factor w/ 6 levels "", "1", "2", "3", ...: 5 2 2 2 2 2 2 2 2 2 ...
## $ stoch : Factor w/ 11 levels "", "FN", "GV", "IN", ...: 8 7 7 7 7 7 7 7 7 7 ...
## $ var8 : num 1 0 0 0 0 0 0 0 0 0 ...
## $ var9 : num 0 0 0 0 0 0 0 0 0 0 ...
## $ decomp: num 16 27 27 27 14 27 14 14 27 27 ...
```

```
write.csv(varinfo, "varinfo.csv")
```

0.2 Chunks

0.3 Index