

```

> # Grab all USASpending.gov federal spending archive data since 2000.
> # efg, 16 March 2014.
>
> # Start here: http://www.usaspending.gov/data
> # Select Archives tab.
> # Look for latest "Date As Of" and change DIRDATE below. ##### 1 of 4
>
> # To get current release date for data: (roughly mid-month)
> # 1. http://www.usaspending.gov/data
> # 2. Archives
>
> setwd("E:/FOIA/Federal-Spending/Archives/") ##### 2 of 4
> sink("0-graball.txt", split=TRUE)
>
> time.1 <- Sys.time()
>
> BASE <- "http://www.usaspending.gov/datafeeds/"
> DIRDATE <- "2014-03-16" # yyyy-mm-dd format ##### 3 of 4
> FILEDATE <- gsub("-", "", DIRDATE) # yyyymmdd format
>
> # Grab all complete fiscal years and most recent incomplete year
> FISCAL.YEAR <- 2014:2003 # Get more recent years first ##### 4 of 4
> TYPE <- c("Contracts", "Grants", "Loans",
+ "DirectPayments", "Insurance", "Others")
> SUFFIX <- ".csv.zip"
>
> ZIP.DIR <- paste0(DIRDATE, "/ZIP/")
> if (! file.exists(ZIP.DIR))
+ {
+   dir.create(ZIP.DIR, recursive=TRUE)
+ }
>
> #####
> ### Download ZIP files
>
> for (type in TYPE)
+ {
+   for (year in FISCAL.YEAR)
+   {
+     filename <- paste0(year, "_All_", type, "_Full_", FILEDATE, SUFFIX)
+     cat(filename, "\n")
+     try(
+       download.file(paste0(BASE, filename),
+         destfile=paste0("./", ZIP.DIR, filename)),
+       FALSE)
+   }
+ }
2014_All_Contracts_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2014_All_Contracts_Full_20140316.csv.zip'
Content type 'application/zip' length 189750605 bytes (181.0 Mb)
opened URL
downloaded 181.0 Mb

2013_All_Contracts_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2013_All_Contracts_Full_20140316.csv.zip'
Content type 'application/zip' length 780291754 bytes (744.1 Mb)
opened URL
downloaded 744.1 Mb

2012_All_Contracts_Full_20140316.csv.zip

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trying URL
'http://www.usaspending.gov/datafeeds/2012_All_Contracts_Full_20140316.csv.zip'
Content type 'application/zip' length 885962866 bytes (844.9 Mb)
opened URL
downloaded 844.9 Mb

2011_All_Contracts_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2011_All_Contracts_Full_20140316.csv.zip'
Content type 'application/zip' length 938031186 bytes (894.6 Mb)
opened URL
downloaded 894.6 Mb

2010_All_Contracts_Full_20140316.csv.zip
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'http://www.usaspending.gov/datafeeds/2010_All_Contracts_Full_20140316.csv.zip'
Content type 'application/zip' length 944120514 bytes (900.4 Mb)
opened URL
downloaded 900.4 Mb

2009_All_Contracts_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2009_All_Contracts_Full_20140316.csv.zip'
Content type 'application/zip' length 869148381 bytes (828.9 Mb)
opened URL
downloaded 828.9 Mb

2008_All_Contracts_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2008_All_Contracts_Full_20140316.csv.zip'
Content type 'application/zip' length 1030471610 bytes (982.7 Mb)
opened URL
downloaded 982.7 Mb

2007_All_Contracts_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2007_All_Contracts_Full_20140316.csv.zip'
Content type 'application/zip' length 952067567 bytes (908.0 Mb)
opened URL
downloaded 908.0 Mb

2006_All_Contracts_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2006_All_Contracts_Full_20140316.csv.zip'
Content type 'application/zip' length 784757245 bytes (748.4 Mb)
opened URL
downloaded 748.4 Mb

2005_All_Contracts_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2005_All_Contracts_Full_20140316.csv.zip'
Content type 'application/zip' length 632227214 bytes (602.9 Mb)
opened URL
downloaded 602.9 Mb

2004_All_Contracts_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2004_All_Contracts_Full_20140316.csv.zip'
Content type 'application/zip' length 435343568 bytes (415.2 Mb)
opened URL
downloaded 415.2 Mb

2003_All_Contracts_Full_20140316.csv.zip

trying URL
'http://www.usaspending.gov/datafeeds/2003_All_Contracts_Full_20140316.csv.zip'
Content type 'application/zip' length 253977711 bytes (242.2 Mb)
opened URL
downloaded 242.2 Mb

2014_All_Grants_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2014_All_Grants_Full_20140316.csv.zip'
Content type 'application/zip' length 22312206 bytes (21.3 Mb)
opened URL
downloaded 21.3 Mb

2013_All_Grants_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2013_All_Grants_Full_20140316.csv.zip'
Content type 'application/zip' length 91580578 bytes (87.3 Mb)
opened URL
downloaded 87.3 Mb

2012_All_Grants_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2012_All_Grants_Full_20140316.csv.zip'
Content type 'application/zip' length 91317199 bytes (87.1 Mb)
opened URL
downloaded 87.1 Mb

2011_All_Grants_Full_20140316.csv.zip
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Content type 'application/zip' length 104634913 bytes (99.8 Mb)
opened URL
downloaded 99.8 Mb

2010_All_Grants_Full_20140316.csv.zip
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Content type 'application/zip' length 124590607 bytes (118.8 Mb)
opened URL
downloaded 118.8 Mb

2009_All_Grants_Full_20140316.csv.zip
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Content type 'application/zip' length 106800663 bytes (101.9 Mb)
opened URL
downloaded 101.9 Mb

2008_All_Grants_Full_20140316.csv.zip
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Content type 'application/zip' length 68245102 bytes (65.1 Mb)
opened URL
downloaded 65.1 Mb

2007_All_Grants_Full_20140316.csv.zip
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Content type 'application/zip' length 60701326 bytes (57.9 Mb)
opened URL
downloaded 57.9 Mb

2006_All_Grants_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2006_All_Grants_Full_20140316.csv.zip'
Content type 'application/zip' length 61051872 bytes (58.2 Mb)
opened URL
downloaded 58.2 Mb

2005_All_Grants_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2005_All_Grants_Full_20140316.csv.zip'
Content type 'application/zip' length 86324866 bytes (82.3 Mb)

opened URL
downloaded 82.3 Mb

2004_All_Grants_Full_20140316.csv.zip
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Content type 'application/zip' length 91482998 bytes (87.2 Mb)
opened URL
downloaded 87.2 Mb

2003_All_Grants_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2003_All_Grants_Full_20140316.csv.zip'
Content type 'application/zip' length 89469643 bytes (85.3 Mb)
opened URL
downloaded 85.3 Mb

2014_All_Loans_Full_20140316.csv.zip
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Content type 'application/zip' length 12951976 bytes (12.4 Mb)
opened URL
downloaded 12.4 Mb

2013_All_Loans_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2013_All_Loans_Full_20140316.csv.zip'
Content type 'application/zip' length 30625816 bytes (29.2 Mb)
opened URL
downloaded 29.2 Mb

2012_All_Loans_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2012_All_Loans_Full_20140316.csv.zip'
Content type 'application/zip' length 40043243 bytes (38.2 Mb)
opened URL
downloaded 38.2 Mb

2011_All_Loans_Full_20140316.csv.zip
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Content type 'application/zip' length 158415013 bytes (151.1 Mb)
opened URL
downloaded 151.1 Mb

2010_All_Loans_Full_20140316.csv.zip
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Content type 'application/zip' length 123344207 bytes (117.6 Mb)
opened URL
downloaded 117.6 Mb

2009_All_Loans_Full_20140316.csv.zip
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Content type 'application/zip' length 51284599 bytes (48.9 Mb)
opened URL
downloaded 48.9 Mb

2008_All_Loans_Full_20140316.csv.zip
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opened URL
downloaded 27.2 Mb

2007_All_Loans_Full_20140316.csv.zip
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Content type 'application/zip' length 30058622 bytes (28.7 Mb)
opened URL
downloaded 28.7 Mb

2006_All_Loans_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2006_All_Loans_Full_20140316.csv.zip'
Content type 'application/zip' length 200 bytes
opened URL
downloaded 200 bytes

2005_All_Loans_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2005_All_Loans_Full_20140316.csv.zip'
Content type 'application/zip' length 200 bytes
opened URL
downloaded 200 bytes

2004_All_Loans_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2004_All_Loans_Full_20140316.csv.zip'
Content type 'application/zip' length 200 bytes
opened URL
downloaded 200 bytes

2003_All_Loans_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2003_All_Loans_Full_20140316.csv.zip'
Content type 'application/zip' length 200 bytes
opened URL
downloaded 200 bytes

2014_All_DirectPayments_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2014_All_DirectPayments_Full_20140316.csv.zip'
Content type 'application/zip' length 125360900 bytes (119.6 Mb)
opened URL
downloaded 119.6 Mb

2013_All_DirectPayments_Full_20140316.csv.zip
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'http://www.usaspending.gov/datafeeds/2013_All_DirectPayments_Full_20140316.csv.zip'
Content type 'application/zip' length 241483206 bytes (230.3 Mb)
opened URL
downloaded 230.3 Mb

2012_All_DirectPayments_Full_20140316.csv.zip
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'http://www.usaspending.gov/datafeeds/2012_All_DirectPayments_Full_20140316.csv.zip'
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opened URL
downloaded 239.5 Mb

2011_All_DirectPayments_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2011_All_DirectPayments_Full_20140316.csv.zip'
Content type 'application/zip' length 311963001 bytes (297.5 Mb)
opened URL
downloaded 297.5 Mb

2010_All_DirectPayments_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2010_All_DirectPayments_Full_20140316.csv.zip'
Content type 'application/zip' length 381830757 bytes (364.1 Mb)
opened URL
downloaded 364.1 Mb

2009_All_DirectPayments_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2009_All_DirectPayments_Full_20140316.csv.zip'
Content type 'application/zip' length 191339681 bytes (182.5 Mb)

opened URL
downloaded 182.5 Mb

2008_All_DirectPayments_Full_20140316.csv.zip
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'http://www.usaspending.gov/datafeeds/2008_All_DirectPayments_Full_20140316.csv.zip'
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opened URL
downloaded 119.1 Mb

2007_All_DirectPayments_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2007_All_DirectPayments_Full_20140316.csv.zip'
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opened URL
downloaded 29.6 Mb

2006_All_DirectPayments_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2006_All_DirectPayments_Full_20140316.csv.zip'
Content type 'application/zip' length 65819471 bytes (62.8 Mb)
opened URL
downloaded 62.8 Mb

2005_All_DirectPayments_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2005_All_DirectPayments_Full_20140316.csv.zip'
Content type 'application/zip' length 46789549 bytes (44.6 Mb)
opened URL
downloaded 44.6 Mb

2004_All_DirectPayments_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2004_All_DirectPayments_Full_20140316.csv.zip'
Content type 'application/zip' length 56826057 bytes (54.2 Mb)
opened URL
downloaded 54.2 Mb

2003_All_DirectPayments_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2003_All_DirectPayments_Full_20140316.csv.zip'
Content type 'application/zip' length 56961358 bytes (54.3 Mb)
opened URL
downloaded 54.3 Mb

2014_All_Insurance_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2014_All_Insurance_Full_20140316.csv.zip'
Content type 'application/zip' length 3891532 bytes (3.7 Mb)
opened URL
downloaded 3.7 Mb

2013_All_Insurance_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2013_All_Insurance_Full_20140316.csv.zip'
Content type 'application/zip' length 8462139 bytes (8.1 Mb)
opened URL
downloaded 8.1 Mb

2012_All_Insurance_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2012_All_Insurance_Full_20140316.csv.zip'
Content type 'application/zip' length 7595498 bytes (7.2 Mb)

opened URL
downloaded 7.2 Mb

2011_All_Insurance_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2011_All_Insurance_Full_20140316.csv.zip'
Content type 'application/zip' length 7184059 bytes (6.9 Mb)
opened URL
downloaded 6.9 Mb

2010_All_Insurance_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2010_All_Insurance_Full_20140316.csv.zip'
Content type 'application/zip' length 2751182 bytes (2.6 Mb)
opened URL
downloaded 2.6 Mb

2009_All_Insurance_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2009_All_Insurance_Full_20140316.csv.zip'
Content type 'application/zip' length 2218027 bytes (2.1 Mb)
opened URL
downloaded 2.1 Mb

2008_All_Insurance_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2008_All_Insurance_Full_20140316.csv.zip'
Content type 'application/zip' length 1659115 bytes (1.6 Mb)
opened URL
downloaded 1.6 Mb

2007_All_Insurance_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2007_All_Insurance_Full_20140316.csv.zip'
Content type 'application/zip' length 1514235 bytes (1.4 Mb)
opened URL
downloaded 1.4 Mb

2006_All_Insurance_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2006_All_Insurance_Full_20140316.csv.zip'
Content type 'application/zip' length 891452 bytes (870 Kb)
opened URL
downloaded 870 Kb

2005_All_Insurance_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2005_All_Insurance_Full_20140316.csv.zip'
Content type 'application/zip' length 900087 bytes (878 Kb)
opened URL
downloaded 878 Kb

2004_All_Insurance_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2004_All_Insurance_Full_20140316.csv.zip'
Content type 'application/zip' length 931089 bytes (909 Kb)
opened URL
downloaded 909 Kb

2003_All_Insurance_Full_20140316.csv.zip
trying URL
'http://www.usaspending.gov/datafeeds/2003_All_Insurance_Full_20140316.csv.zip'
Content type 'application/zip' length 921894 bytes (900 Kb)

opened URL
downloaded 900 Kb

2014_All_Others_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2014_All_Others_Full_20140316.csv.zip'
Content type 'application/zip' length 1723248 bytes (1.6 Mb)
opened URL
downloaded 1.6 Mb

2013_All_Others_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2013_All_Others_Full_20140316.csv.zip'
Content type 'application/zip' length 4541650 bytes (4.3 Mb)
opened URL
downloaded 4.3 Mb

2012_All_Others_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2012_All_Others_Full_20140316.csv.zip'
Content type 'application/zip' length 5770959 bytes (5.5 Mb)
opened URL
downloaded 5.5 Mb

2011_All_Others_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2011_All_Others_Full_20140316.csv.zip'
Content type 'application/zip' length 3704770 bytes (3.5 Mb)
opened URL
downloaded 3.5 Mb

2010_All_Others_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2010_All_Others_Full_20140316.csv.zip'
Content type 'application/zip' length 1798663 bytes (1.7 Mb)
opened URL
downloaded 1.7 Mb

2009_All_Others_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2009_All_Others_Full_20140316.csv.zip'
Content type 'application/zip' length 542795 bytes (530 Kb)
opened URL
downloaded 530 Kb

2008_All_Others_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2008_All_Others_Full_20140316.csv.zip'
Content type 'application/zip' length 698766 bytes (682 Kb)
opened URL
downloaded 682 Kb

2007_All_Others_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2007_All_Others_Full_20140316.csv.zip'
Content type 'application/zip' length 425842 bytes (415 Kb)
opened URL
downloaded 415 Kb

2006_All_Others_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2006_All_Others_Full_20140316.csv.zip'
Content type 'application/zip' length 21435 bytes (20 Kb)
opened URL
downloaded 20 Kb

2005_All_Others_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2005_All_Others_Full_20140316.csv.zip'
Content type 'application/zip' length 115152 bytes (112 Kb)
opened URL
downloaded 112 Kb


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2004_All_Others_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2004_All_Others_Full_20140316.csv.zip'
Content type 'application/zip' length 60160 bytes (58 Kb)
opened URL
downloaded 58 Kb
```

```
2003_All_Others_Full_20140316.csv.zip
trying URL 'http://www.usaspending.gov/datafeeds/2003_All_Others_Full_20140316.csv.zip'
Content type 'application/zip' length 100270 bytes (97 Kb)
opened URL
downloaded 97 Kb
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>
> PATTERN <- paste(".*\\.csv\\.zip$", sep="")
> zip.files <- paste0(ZIP.DIR, list.files(path=ZIP.DIR, pattern=PATTERN))

> md5sums <- data.frame(md5sum=md5sum(zip.files))
> write.csv(md5sums, "md5sums-zip.csv") # Record md5sums

> info <- file.info(zip.files)
> write.csv(info[,c("size", "mtime", "ctime", "atime")], "info-zip.csv")
>
> #####
> ### Expand ZIPs
>
> CSV.DIR <- paste0(DIRDATE, "/datafeeds/") # ZIPs include files in this dir
>
> spending.files <- NULL
> for (i in 1:length(zip.files))
+ {
+   info <- file.info(zip.files[i])
+   # 0-length file in ZIP is 200 bytes, if ZIP exists
+   if ( (!is.na(info$size)) & (info$size > 200) ) # skip zips with 0-length file
+   {
+     spending.files <- c(spending.files,
+                         unzip(zip.files[i], exdir=DIRDATE))
+   }
+ }

> spending.files
[1] "2014-03-16/datafeeds/2003_All_Contracts_Full_20140316.csv"
[2] "2014-03-16/datafeeds/2003_All_DirectPayments_Full_20140316.csv"
[3] "2014-03-16/datafeeds/2003_All_Grants_Full_20140316.csv"
[4] "2014-03-16/datafeeds/2003_All_Insurance_Full_20140316.csv"
[5] "2014-03-16/datafeeds/2003_All_Others_Full_20140316.csv"
[6] "2014-03-16/datafeeds/2004_All_Contracts_Full_20140316.csv"
[7] "2014-03-16/datafeeds/2004_All_DirectPayments_Full_20140316.csv"
[8] "2014-03-16/datafeeds/2004_All_Grants_Full_20140316.csv"
[9] "2014-03-16/datafeeds/2004_All_Insurance_Full_20140316.csv"
[10] "2014-03-16/datafeeds/2004_All_Others_Full_20140316.csv"
[11] "2014-03-16/datafeeds/2005_All_Contracts_Full_20140316.csv"
[12] "2014-03-16/datafeeds/2005_All_DirectPayments_Full_20140316.csv"
[13] "2014-03-16/datafeeds/2005_All_Grants_Full_20140316.csv"
[14] "2014-03-16/datafeeds/2005_All_Insurance_Full_20140316.csv"
[15] "2014-03-16/datafeeds/2005_All_Others_Full_20140316.csv"
[16] "2014-03-16/datafeeds/2006_All_Contracts_Full_20140316.csv"
[17] "2014-03-16/datafeeds/2006_All_DirectPayments_Full_20140316.csv"
[18] "2014-03-16/datafeeds/2006_All_Grants_Full_20140316.csv"
[19] "2014-03-16/datafeeds/2006_All_Insurance_Full_20140316.csv"
[20] "2014-03-16/datafeeds/2006_All_Others_Full_20140316.csv"
[21] "2014-03-16/datafeeds/2007_All_Contracts_Full_20140316.csv"
[22] "2014-03-16/datafeeds/2007_All_DirectPayments_Full_20140316.csv"
[23] "2014-03-16/datafeeds/2007_All_Grants_Full_20140316.csv"
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[24] "2014-03-16/datafeeds/2007_All_Insurance_Full_20140316.csv"
[25] "2014-03-16/datafeeds/2007_All_Loans_Full_20140316.csv"
[26] "2014-03-16/datafeeds/2007_All_Others_Full_20140316.csv"
[27] "2014-03-16/datafeeds/2008_All_Contracts_Full_20140316.csv"
[28] "2014-03-16/datafeeds/2008_All_DirectPayments_Full_20140316.csv"
[29] "2014-03-16/datafeeds/2008_All_Grants_Full_20140316.csv"
[30] "2014-03-16/datafeeds/2008_All_Insurance_Full_20140316.csv"
[31] "2014-03-16/datafeeds/2008_All_Loans_Full_20140316.csv"
[32] "2014-03-16/datafeeds/2008_All_Others_Full_20140316.csv"
[33] "2014-03-16/datafeeds/2009_All_Contracts_Full_20140316.csv"
[34] "2014-03-16/datafeeds/2009_All_DirectPayments_Full_20140316.csv"
[35] "2014-03-16/datafeeds/2009_All_Grants_Full_20140316.csv"
[36] "2014-03-16/datafeeds/2009_All_Insurance_Full_20140316.csv"
[37] "2014-03-16/datafeeds/2009_All_Loans_Full_20140316.csv"
[38] "2014-03-16/datafeeds/2009_All_Others_Full_20140316.csv"
[39] "2014-03-16/datafeeds/2010_All_Contracts_Full_20140316.csv"
[40] "2014-03-16/datafeeds/2010_All_DirectPayments_Full_20140316.csv"
[41] "2014-03-16/datafeeds/2010_All_Grants_Full_20140316.csv"
[42] "2014-03-16/datafeeds/2010_All_Insurance_Full_20140316.csv"
[43] "2014-03-16/datafeeds/2010_All_Loans_Full_20140316.csv"
[44] "2014-03-16/datafeeds/2010_All_Others_Full_20140316.csv"
[45] "2014-03-16/datafeeds/2011_All_Contracts_Full_20140316.csv"
[46] "2014-03-16/datafeeds/2011_All_DirectPayments_Full_20140316.csv"
[47] "2014-03-16/datafeeds/2011_All_Grants_Full_20140316.csv"
[48] "2014-03-16/datafeeds/2011_All_Insurance_Full_20140316.csv"
[49] "2014-03-16/datafeeds/2011_All_Loans_Full_20140316.csv"
[50] "2014-03-16/datafeeds/2011_All_Others_Full_20140316.csv"
[51] "2014-03-16/datafeeds/2012_All_Contracts_Full_20140316.csv"
[52] "2014-03-16/datafeeds/2012_All_DirectPayments_Full_20140316.csv"
[53] "2014-03-16/datafeeds/2012_All_Grants_Full_20140316.csv"
[54] "2014-03-16/datafeeds/2012_All_Insurance_Full_20140316.csv"
[55] "2014-03-16/datafeeds/2012_All_Loans_Full_20140316.csv"
[56] "2014-03-16/datafeeds/2012_All_Others_Full_20140316.csv"
[57] "2014-03-16/datafeeds/2013_All_Contracts_Full_20140316.csv"
[58] "2014-03-16/datafeeds/2013_All_DirectPayments_Full_20140316.csv"
[59] "2014-03-16/datafeeds/2013_All_Grants_Full_20140316.csv"
[60] "2014-03-16/datafeeds/2013_All_Insurance_Full_20140316.csv"
[61] "2014-03-16/datafeeds/2013_All_Loans_Full_20140316.csv"
[62] "2014-03-16/datafeeds/2013_All_Others_Full_20140316.csv"
[63] "2014-03-16/datafeeds/2014_All_Contracts_Full_20140316.csv"
[64] "2014-03-16/datafeeds/2014_All_DirectPayments_Full_20140316.csv"
[65] "2014-03-16/datafeeds/2014_All_Grants_Full_20140316.csv"
[66] "2014-03-16/datafeeds/2014_All_Insurance_Full_20140316.csv"
[67] "2014-03-16/datafeeds/2014_All_Loans_Full_20140316.csv"
[68] "2014-03-16/datafeeds/2014_All_Others_Full_20140316.csv"
>
> if (length(spending.files) > 0)
+ {
+
+   md5sums <- data.frame(md5sum=md5sum(spending.files))
+   write.csv(md5sums, "md5sums-csv.csv")      # Record md5sums
+
+   info <- file.info(spending.files)
+   write.csv(info[,c("size", "mtime", "ctime", "atime")], "info-csv.csv")
+ }

```