

# Finding locations of a firm's 10-K filings using R

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Step1: To install R, we have 5 steps.

```
Step 1: Go to http://www.r-project.org
Step 2: Click "CRAN" under "Download, Packages" (left-hand side)
Step 3: Choose a mirror address
Step 4: Choose appropriate software (PC, Mac)
Step 5: Click "base"
```

Step 2: Launch R .

Step 3: issue the command

```
> source("http://canisius.edu/~yany/sec10k.R")
```

The following window would appear.

```
*-----*
*          sec10k.R                      by yuxing.yan@canisius.edu          9/7/2013 *
*-----*
* Objective: showing the locations of 10-K filings, from 1993 to 20130906 for a given *
*          CIK (Central Index Key). In total, there are 36,495 unique CIKs      *
*-----*
* Example 1: finding the locations of 1761                                     *
* >sec10k(1761)                                                                *
*      cik      date      form                                             location *
* 35 1761 1995-05-26 10-K ftp://ftp.sec.gov/edgar/data/1761/0000950152-95-001130.txt *
* 36 1761 1996-05-29 10-K ftp://ftp.sec.gov/edgar/data/1761/0000950152-96-002667.txt *
* 37 1761 1996-09-27 10-K/A ftp://ftp.sec.gov/edgar/data/1761/0000950152-96-004949.txt *
* 38 1761 1997-05-28 10-K ftp://ftp.sec.gov/edgar/data/1761/0000950152-97-004245.txt *
*-----*
* Example 2: finding a firm's CIK                                             *
* > cik("International bus")                                                 *
*-----*
*      Name      CIK      begdate      enddate *
* 28220      ARI - INTERNATIONAL BUSINESS PARK LLC 1412515 2007-09-14 2007-09-14 *
* 236383      INTERNATIONAL BUSINESS BRIDGE INC 1404253 2007-06-15 2007-06-15 *
* 236384      INTERNATIONAL BUSINESS MACHINES CORP 51143 1994-03-10 2013-09-03 *
* 236385      INTERNATIONAL BUSINESS SECURITIES INC. 743375 2003-09-05 2008-09-09 *
* 236386      INTERNATIONAL BUSINESS SECURITIES INC 743375 2002-09-03 2002-09-03 *
* 322491      MSX INTERNATIONAL BUSINESS SERVICES INC 1059453 1998-04-09 2003-11-21 *
* 495076 VISTEON INTERNATIONAL BUSINESS DEVELOPMENT INC. 1534502 2011-11-10 2011-12-20 *
*-----*
* too many observations, narrow down by using the 2nd variable                *
* > cik("International bus")->x                                             *
* > cik("machine",x)                                                         *
*-----*
*      Name      CIK      begdate      enddate *
* 236384 INTERNATIONAL BUSINESS MACHINES CORP 51143 1994-03-10 2013-09-03 *
*-----*
* Note: you can use SEC's CIK lookup at http://www.sec.gov/edgar/searchedgar/cik.htm *
*-----*
* Example 3: showing the first 20 CIKs and last a few ones                  *
* >head(unique_cik,20)                                                       *
* [1] 20 1750 1761 1800 1853 1923 1952 1961 1969 1985 1988 2024 2034 2062 2070 2098 *
* [17] 2135 2145 2178 2186 *
* >tail(unique_cik) *
* [1] 1543367 1546640 1547459 1550603 1551454 1553734 *
*-----*
```

For example, the CIK for IBM is 51143, just type sec10k(51143).

```
> sec10k(51143)
      cik      date      form      location
133812 51143 1994-03-28 10-K ftp://ftp.sec.gov/edgar/data/51143/0000950112-94-000794.txt
133813 51143 1995-03-28 10-K ftp://ftp.sec.gov/edgar/data/51143/0000950112-95-000774.txt
133814 51143 1996-03-26 10-K405 ftp://ftp.sec.gov/edgar/data/51143/0000950112-96-000889.txt
133815 51143 1997-03-27 10-K ftp://ftp.sec.gov/edgar/data/51143/0000912057-97-010483.txt
133816 51143 1998-03-30 10-K405 ftp://ftp.sec.gov/edgar/data/51143/0001047469-98-012291.txt
133817 51143 1999-03-29 10-K ftp://ftp.sec.gov/edgar/data/51143/0001047469-99-011848.txt
133818 51143 2000-03-13 10-K405 ftp://ftp.sec.gov/edgar/data/51143/0000912057-00-011206.txt
133819 51143 2001-03-13 10-K ftp://ftp.sec.gov/edgar/data/51143/0000912057-01-007563.txt
133820 51143 2002-03-11 10-K405 ftp://ftp.sec.gov/edgar/data/51143/0000912057-02-009402.txt
133821 51143 2003-03-10 10-K ftp://ftp.sec.gov/edgar/data/51143/0001047469-03-008194.txt
133822 51143 2004-03-08 10-K ftp://ftp.sec.gov/edgar/data/51143/0001047469-04-006934.txt
133823 51143 2005-02-24 10-K ftp://ftp.sec.gov/edgar/data/51143/0001047469-05-004595.txt
133824 51143 2006-02-28 10-K ftp://ftp.sec.gov/edgar/data/51143/0001047469-06-002608.txt
133825 51143 2007-02-27 10-K ftp://ftp.sec.gov/edgar/data/51143/0001047469-07-001434.txt
133826 51143 2008-02-26 10-K ftp://ftp.sec.gov/edgar/data/51143/0001047469-08-001731.txt
133827 51143 2009-02-24 10-K ftp://ftp.sec.gov/edgar/data/51143/0001047469-09-001737.txt
133828 51143 2010-02-23 10-K ftp://ftp.sec.gov/edgar/data/51143/0001047469-10-001151.txt
133829 51143 2011-02-22 10-K ftp://ftp.sec.gov/edgar/data/51143/0001047469-11-001117.txt
133830 51143 2012-02-28 10-K ftp://ftp.sec.gov/edgar/data/51143/0001047469-12-001742.txt
133831 51143 2013-02-26 10-K ftp://ftp.sec.gov/edgar/data/51143/0001047469-13-001698.txt
```

To find our IBM's CIK, use the cik() function twice, see below.

```
> cik("international bus")
      Name      CIK      begdate      enddate
28220      ARI - INTERNATIONAL BUSINESS PARK LLC 1412515 2007-09-14 2007-09-14
236383      INTERNATIONAL BUSINESS BRIDGE INC 1404253 2007-06-15 2007-06-15
236384      INTERNATIONAL BUSINESS MACHINES CORP 51143 1994-03-10 2013-09-03
236385      INTERNATIONAL BUSINESS SECURITIES INC. 743375 2003-09-05 2008-09-09
236386      INTERNATIONAL BUSINESS SECURITIES INC 743375 2002-09-03 2002-09-03
322491      MSX INTERNATIONAL BUSINESS SERVICES INC 1059453 1998-04-09 2003-11-21
495076 VISTEON INTERNATIONAL BUSINESS DEVELOPMENT INC. 1534502 2011-11-10 2011-12-20
> cik("international bus")->x
> cik("mach",x)
      Name      CIK      begdate      enddate
236384 INTERNATIONAL BUSINESS MACHINES CORP 51143 1994-03-10 2013-09-03
>
```

Enjoy!