# BLS - QCEW - Download

Datasets

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## Contents



Data on employment by county and industry come from the Bureau of Labor Statistics Longitudinal Database (LDB) and **Quarterly Census of Employment and Wages (QCEW)**. The LDB reports employment by establishment and month starting in 1990.

The source data come from **quarterly reports** employers file with **state employment security** agencies as part of the unemployment insurance system; as a result, the LDB contains essentially universal coverage of private sector employment. Each establishment in the LDB has a 6 digit NAICS code associated with its primary activity.

The QCEW is the public use version of the LDB. It reports monthly employment at the industry-county level for all 50 states starting in 1975, subject to disclosure limitations to prevent the release of identifying information regarding single establishments.

Even at the NAICS 2 digit level and with counties already aggregated into metropolitan statistical areas (MSAs), roughly one-fifth of potential cells get suppressed for disclosure reasons; the suppressed share rises to 35% for MSA-industry cells at the NAICS 3 digit level.

The page for downloading flat files is available on this website. In particular, it can be noted that there are two periods, based on SIC or NAICS classifications: - 1975-2000 is the **SIC** classification of industries.
- 1990-2018 is the **NAICS** classification of industries.

## Introduction

```
rm(list = ls())
pklist <- c("tidyverse", "rvest")
source("https://fgeerolf.github.io/datasets/load-packages.R")
options(tibble.print_max = 100)
```

## Parsing the QCEW Webpage

The NAICS Table is the first table on the webpage:

```
xml2::read_html("https://www.bls.gov/cew/datatoc.htm") %>%
  html_table(., header = TRUE)
```

```
# [[1]]
#         Excel Files CSVsBy Area    CSVsBy Area CSVsBy Industry
# 1  CountyHigh-Level   Quarterly AnnualAverages       Quarterly
```

| | | | | |
|---|---|---|---|---|
| 2 | File Layout | File Layout | File Layout | File Layout |
| 3 | 2018 | 2018 | N/A | 2018 |
| 4 | 2017 | 2017 | 2017 | 2017 |
| 5 | 2016 | 2016 | 2016 | 2016 |
| 6 | 2015 | 2015 | 2015 | 2015 |
| 7 | 2014 | 2014 | 2014 | 2014 |
| 8 | 2013 | 2013 | 2013 | 2013 |
| 9 | 2012 | 2012 | 2012 | 2012 |
| 10 | 2011 | 2011 | 2011 | 2011 |
| 11 | 2010 | 2010 | 2010 | 2010 |
| 12 | 2009 | 2009 | 2009 | 2009 |
| 13 | 2008 | 2008 | 2008 | 2008 |
| 14 | 2007 | 2007 | 2007 | 2007 |
| 15 | 2006 | 2006 | 2006 | 2006 |
| 16 | 2005 | 2005 | 2005 | 2005 |
| 17 | 2004 | 2004 | 2004 | 2004 |
| 18 | 2003 | 2003 | 2003 | 2003 |
| 19 | 2002 | 2002 | 2002 | 2002 |
| 20 | 2001 | 2001 | 2001 | 2001 |
| 21 | 2000 | 2000 | 2000 | 2000 |
| 22 | 1999 | 1999 | 1999 | 1999 |
| 23 | 1998 | 1998 | 1998 | 1998 |
| 24 | 1997 | 1997 | 1997 | 1997 |
| 25 | 1996 | 1996 | 1996 | 1996 |
| 26 | 1995 | 1995 | 1995 | 1995 |
| 27 | 1994 | 1994 | 1994 | 1994 |
| 28 | 1993 | 1993 | 1993 | 1993 |
| 29 | 1992 | 1992 | 1992 | 1992 |
| 30 | 1991 | 1991 | 1991 | 1991 |
| 31 | 1990 | 1990 | 1990 | 1990 |
| 32 | | | | 1989 |
| 33 | | | | 1988 |
| 34 | | | | 1987 |
| 35 | | | | 1986 |
| 36 | | | | 1985 |
| 37 | | | | 1984 |
| 38 | | | | 1983 |
| 39 | | | | 1982 |
| 40 | | | | 1981 |
| 41 | | | | 1980 |
| 42 | | | | 1979 |
| 43 | | | | 1978 |
| 44 | | | | 1977 |
| 45 | | | | 1976 |
| 46 | | | | 1975 |

| | CSVsBy Industry | CSVsSingle Files | CSVsSingle Files | CSVsBy Size |
|---|---|---|---|---|
| 1 | AnnualAverages | Quarterly | AnnualAverages | FirstQuarter |
| 2 | File Layout | File Layout | File Layout | File Layout |
| 3 | N/A | 2018 | N/A | 2018 |
| 4 | 2017 | 2017 | 2017 | 2017 |
| 5 | 2016 | 2016 | 2016 | 2016 |
| 6 | 2015 | 2015 | 2015 | 2015 |
| 7 | 2014 | 2014 | 2014 | 2014 |
| 8 | 2013 | 2013 | 2013 | 2013 |

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# 9             2012            2012            2012        2012
# 10            2011            2011            2011        2011
# 11            2010            2010            2010        2010
# 12            2009            2009            2009        2009
# 13            2008            2008            2008        2008
# 14            2007            2007            2007        2007
# 15            2006            2006            2006        2006
# 16            2005            2005            2005        2005
# 17            2004            2004            2004        2004
# 18            2003            2003            2003        2003
# 19            2002            2002            2002        2002
# 20            2001            2001            2001        2001
# 21            2000            2000            2000        2000
# 22            1999            1999            1999        1999
# 23            1998            1998            1998        1998
# 24            1997            1997            1997        1997
# 25            1996            1996            1996        1996
# 26            1995            1995            1995        1995
# 27            1994            1994            1994        1994
# 28            1993            1993            1993        1993
# 29            1992            1992            1992        1992
# 30            1991            1991            1991        1991
# 31            1990            1990            1990        1990
# 32            1989
# 33            1988
# 34            1987
# 35            1986
# 36            1985
# 37            1984
# 38            1983
# 39            1982
# 40            1981
# 41            1980
# 42            1979
# 43            1978
# 44            1977
# 45            1976
# 46            1975
#    LegacyFlat Files
# 1       All ENB/END
# 2      File Layouts
# 3              2018
# 4              2017
# 5              2016
# 6              2015
# 7              2014
# 8              2013
# 9              2012
# 10             2011
# 11             2010
# 12             2009
# 13             2008
# 14             2007
# 15             2006
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# 16             2005
# 17             2004
# 18             2003
# 19             2002
# 20             2001
# 21             2000
# 22             1999
# 23             1998
# 24             1997
# 25             1996
# 26             1995
# 27             1994
# 28             1993
# 29             1992
# 30             1991
# 31             1990
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# 37
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# 40
# 41
# 42
# 43
# 44
# 45
# 46
#
# [[2]]
#    CSVsBy Area    CSVsBy Area CSVsBy Industry CSVsBy Industry
# 1    Quarterly AnnualAverages       Quarterly  AnnualAverages
# 2  File Layout    File Layout     File Layout     File Layout
# 3         2000           2000            2000            2000
# 4         1999           1999            1999            1999
# 5         1998           1998            1998            1998
# 6         1997           1997            1997            1997
# 7         1996           1996            1996            1996
# 8         1995           1995            1995            1995
# 9         1994           1994            1994            1994
# 10        1993           1993            1993            1993
# 11        1992           1992            1992            1992
# 12        1991           1991            1991            1991
# 13        1990           1990            1990            1990
# 14        1989           1989            1989            1989
# 15        1988           1988            1988            1988
# 16        1987           1987            1987            1987
# 17        1986           1986            1986            1986
# 18        1985           1985            1985            1985
# 19        1984           1984            1984            1984
# 20        1983           1983            1983            1983
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# 21        1982           1982            1982            1982
# 22        1981           1981            1981            1981
# 23        1980           1980            1980            1980
# 24        1979           1979            1979            1979
# 25        1978           1978            1978            1978
# 26        1977           1977            1977            1977
# 27        1976           1976            1976            1976
# 28        1975           1975            1975            1975
#    CSVsSingle Files CSVsSingle Files  CSVs By Size Legacy  Flat Files
# 1         Quarterly   AnnualAverages First Quarter             All EWB
# 2       File Layout      File Layout   File Layout        File Layout
# 3              2000             2000          2000               2000
# 4              1999             1999          1999               1999
# 5              1998             1998          1998               1998
# 6              1997             1997          1997               1997
# 7              1996             1996
# 8              1995             1995
# 9              1994             1994
# 10             1993             1993
# 11             1992             1992
# 12             1991             1991
# 13             1990             1990
# 14             1989             1989
# 15             1988             1988
# 16             1987             1987
# 17             1986             1986
# 18             1985             1985
# 19             1984             1984
# 20             1983             1983
# 21             1982             1982
# 22             1981             1981
# 23             1980             1980
# 24             1979             1979
# 25             1978             1978
# 26             1977             1977
# 27             1976             1976
# 28             1975             1975
```

## SIC Classification