

# SDC Mission Statement Wordclouds

2023-07-06

```
library(wordcloud)
```

```
## Loading required package: RColorBrewer
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```
library(RColorBrewer)
library(wordcloud2)
library(reshape)
library(tm)
```

```
## Loading required package: NLP
```

```
library(stringr)
```

```
al <- "The Alabama State Data Center (ASDC) was formed in 1978 as a partnership between the U.S. Census
az <- "The State Data Center (SDC) Program is one of the Census Bureau's longest and most successful pa
ak <- "The Arkansas Data Center website provides a variety of Census data, both past and present, of in
ca <- "The State Census Data Center (SCDC) was established on January 1, 1979, to serve as the central p
connecticut <- "In 1978, the Census State Data Center (SDC) Program began as a cooperative agreement be
delaware <- "The Delaware Census State Data Center is a network of state, local, academic and private s
dc <- "The State Data Center (SDC) is a mandated function of the Office of Planning set in place by a m
fl <- "The Office of Economic and Demographic Research has been designated by statute as the lead for th
hi <- "The Hawaii State Data Center is a local source that distributes census data; assists the public
indiana <- "In 1978, the State Data Center (SDC) Program began as a cooperative agreement between the s
iowa <- "The State Data Center is a unit of the State Library of Iowa. The mission of the State Data Cen
ks <- "As the SDC lead agency, IPSR will: Identify, recruit, and manage an affiliate network of nonprof
kentucky <- "The Kentucky State Data Center (KSDC) is the state's lead agency in the U.S. Census Bureau
maine <- "The Maine State Data Center (SDC), led by the State Economist's office, provides demographic a
maryland <- "The Maryland State Data Center (SDC) is an official partner with the U.S. Census Bureau. Th
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massa <- "Staffed by members of the Economic and Public Policy Research group, the Massachusetts State I
minnesota <- "The Minnesota State Demographic Center (SDC), part of the Minnesota Department of Adminis
mississippi <- "The State Data Center (SDC) of Mississippi is a collaborative partnership between the U
missouri <- "The Missouri Census Data Center (MCDC) is a cooperative program among state agencies in Mi
montana <- "The Census and Economic Information Center provides current, easily accessible, and thorough
nv <- "The Nevada State Data Center (SDC) program was established in 1982 as a service of the Nevada Sta
nh <- "The Office of Planning and Development and the US Bureau of the Census jointly support the State
nj <- "The New Jersey State Data Center (NJSDC) is a cooperative project of the State of New Jersey and
ny <- "Welcome to the New York State Data Center (NYSDC), located in the Division of Research and Statist
nc <- "The State Data Center is a consortium of agencies cooperating with the US Bureau of the Census to
nd <- "The North Dakota State Data Center serves as the state's liaison to the US Census Bureau and is
ohio <- "The Office of Research provides data and analysis on the economic, industrial, demographic, and
ok <- "The Oklahoma Department of Commerce operates the State Data Center for the state of Oklahoma. A p
or <- "The mission of PRC is to provide population data, information, and research analysis for Oregon a
penn <- "The availability of timely, accurate, and useful information is a key factor in economic comp
ri <- "The Data Center provides a range of resources based on demographic data provided by the U.S. Cen
sc <- "The South Carolina Census State Data Center provides U.S. Census Bureau demographic, social, econ
sd <- "The Center assists people in successfully accessing census data for effective decision-making and
tn <- "Our mission is simple - to make Tennessee's data users stronger. We are experts in accessing, un
tx <- "The Texas Demographic Center functions as a focal point for the production, interpretation, and c
ut <- "The Gardner Policy Institute provides demographic decision support to the Utah State Legislature
vt <- "The State Data Center (SDC) Program is a cooperative program between the states and the U.S. Cen
wisc <- "Demographic Services Center (DSC) staff develop annual estimates and future projections of the
marianna <- "Our division's main role is compiling all statistical information gathered by both the CNM

```

```

combo <- paste(al, az, sep="")
combo <- paste(combo, ak, sep="")
combo <- paste(combo, ca, sep="")
combo <- paste(combo, connecticut, sep="")

combo <- paste(combo, delaware, sep="")
combo <- paste(combo, dc, sep="")
combo <- paste(combo, fl, sep="")
combo <- paste(combo, hi, sep="")

combo <- paste(combo, indiana, sep="")
combo <- paste(combo, iowa, sep="")
combo <- paste(combo, ks, sep="")
combo <- paste(combo, kentucky, sep="")

combo <- paste(combo, maine, sep="")
combo <- paste(combo, maryland, sep="")
combo <- paste(combo, massa, sep="")
combo <- paste(combo, minnesota, sep="")
combo <- paste(combo, mississippi, sep="")
combo <- paste(combo, missouri, sep="")
combo <- paste(combo, montana, sep="")

combo <- paste(combo, nv, sep="")
combo <- paste(combo, nh, sep="")
combo <- paste(combo, nj, sep="")

combo <- paste(combo, ny, sep="")
combo <- paste(combo, nc, sep="")
combo <- paste(combo, nd, sep="")

combo <- paste(combo, ohio, sep="")
combo <- paste(combo, ok, sep="")
combo <- paste(combo, or, sep="")

combo <- paste(combo, penn, sep="")
combo <- paste(combo, ri, sep="")

combo <- paste(combo, sc, sep="")
combo <- paste(combo, sd, sep="")

combo <- paste(combo, tn, sep="")
combo <- paste(combo, tx, sep="")

combo <- paste(combo, ut, sep="")
combo <- paste(combo, vt, sep="")

combo <- paste(combo, wisc, sep="")

combo <- paste(combo, marianna, sep="")

```

```

#Turns string into corpus of words
docs <- Corpus(VectorSource(combo))

```

```

#Cleaning of corpus
docs <- docs %>% tm_map(removeNumbers) %>% tm_map(removePunctuation) %>% tm_map(stripWhitespace)

## Warning in tm_map.SimpleCorpus(., removeNumbers): transformation drops documents

## Warning in tm_map.SimpleCorpus(., removePunctuation): transformation drops
## documents

## Warning in tm_map.SimpleCorpus(., stripWhitespace): transformation drops
## documents

docs <- tm_map(docs, content_transformer(tolower))

## Warning in tm_map.SimpleCorpus(docs, content_transformer(tolower)):
## transformation drops documents

docs <- tm_map(docs, removeWords, stopwords("english"))

## Warning in tm_map.SimpleCorpus(docs, removeWords, stopwords("english")):
## transformation drops documents

#Turns corpus into term-document-matrix
dtm <- TermDocumentMatrix(docs)
mtx <- as.matrix(dtm)
words <- sort(rowSums(mtx), decreasing = TRUE)
df <- data.frame(word = names(words), freq=words)

#Creates wordcloud
set.seed(33)

wordcloud(words = df$word, freq = df$freq, min.freq = 1, max.words = 100, random.order = FALSE, rot.per

```

