

SCOTUS Database Network

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Data is from <http://supremecourtdatabase.org/data.php>

```
# list.files()
# load("SCDB_2014_01_caseCentered_Citation.Rdata")
# ls()
# data=SCDB_2014_01_caseCentered_Citation
# names(data)
# head(data)
library(knitr)
```

```
## Warning: package 'knitr' was built under R version 3.1.3
```

```
opts_chunk$set(cache=TRUE)
```

```
list.files()
```

```
## [1] "ObergefellVHodges.pdf"
## [2] "ObergefellVHodges.txt"
## [3] "SCDB_2014_01_caseCentered_Citation.csv.zip"
## [4] "SCDB_2014_01_caseCentered_Citation.Rdata"
## [5] "SCDB_2014_01_caseCentered_Citation.Rdata.zip"
## [6] "SCDB_2014_01_justiceCentered_Citation.dta.zip"
## [7] "SCDB_2014_01_justiceCentered_Citation.Rdata"
## [8] "SCDB_2014_01_justiceCentered_Citation.Rdata.zip"
## [9] "SupremeCourtDatabaseNetwork.pdf"
## [10] "SupremeCourtDatabaseNetwork.rmd"
## [11] "SupremeCourtDatabaseNetwork_cache"
```

```
load("SCDB_2014_01_justiceCentered_Citation.Rdata")
ls()
```

```
## [1] "SCDB_2014_01_justiceCentered_Citation"
```

```
data=SCDB_2014_01_justiceCentered_Citation
names(data)
```

```
## [1] "caseId"           "docketId"
## [3] "caseIssuesId"     "voteId"
## [5] "dateDecision"     "decisionType"
## [7] "usCite"           "sctCite"
## [9] "ledCite"          "lexisCite"
## [11] "term"             "naturalCourt"
## [13] "chief"            "docket"
## [15] "caseName"         "dateArgument"
```

```
## [17] "dateRearg"           "petitioner"
## [19] "petitionerState"     "respondent"
## [21] "respondentState"     "jurisdiction"
## [23] "adminAction"         "adminActionState"
## [25] "threeJudgeFdc"       "caseOrigin"
## [27] "caseOriginState"     "caseSource"
## [29] "caseSourceState"     "lcDisagreement"
## [31] "certReason"          "lcDisposition"
## [33] "lcDispositionDirection" "declarationUncon"
## [35] "caseDisposition"     "caseDispositionUnusual"
## [37] "partyWinning"        "precedentAlteration"
## [39] "voteUnclear"         "issue"
## [41] "issueArea"           "decisionDirection"
## [43] "decisionDirectionDissent" "authorityDecision1"
## [45] "authorityDecision2"  "lawType"
## [47] "lawSupp"             "lawMinor"
## [49] "majOpinWriter"       "majOpinAssigner"
## [51] "splitVote"           "majVotes"
## [53] "minVotes"            "justice"
## [55] "justiceName"         "vote"
## [57] "opinion"             "direction"
## [59] "majority"            "firstAgreement"
## [61] "secondAgreement"
```

```
str(data)
```

```
## 'data.frame': 76712 obs. of 61 variables:
## $ caseId : chr "1946-001" "1946-001" "1946-001" "1946-001" ...
## $ docketId : chr "1946-001-01" "1946-001-01" "1946-001-01" "1946-001-01" ...
## $ caseIssuesId : chr "1946-001-01-01" "1946-001-01-01" "1946-001-01-01" "1946-001-01-01" ...
## $ voteId : chr "1946-001-01-01-01-01" "1946-001-01-01-01-02" "1946-001-01-01-01-03" ...
## $ dateDecision : Date, format: "1946-11-18" "1946-11-18" ...
## $ decisionType : int 1 1 1 1 1 1 1 1 1 1 ...
## $ usCite : chr "329 U.S. 1" "329 U.S. 1" "329 U.S. 1" "329 U.S. 1" ...
## $ sctCite : chr "67 S. Ct. 6" "67 S. Ct. 6" "67 S. Ct. 6" "67 S. Ct. 6" ...
## $ ledCite : chr "91 L. Ed. 3" "91 L. Ed. 3" "91 L. Ed. 3" "91 L. Ed. 3" ...
## $ lexisCite : chr "1946 U.S. LEXIS 1724" "1946 U.S. LEXIS 1724" "1946 U.S. LEXIS 1724" ...
## $ term : int 1946 1946 1946 1946 1946 1946 1946 1946 1946 1946 ...
## $ naturalCourt : int 1301 1301 1301 1301 1301 1301 1301 1301 1301 1301 ...
## $ chief : chr "Vinson" "Vinson" "Vinson" "Vinson" ...
## $ docket : chr "24" "24" "24" "24" ...
## $ caseName : chr "HALLIBURTON OIL WELL CEMENTING CO. v. WALKER ET AL., DOING BUSINESS AS" ...
## $ dateArgument : Date, format: "1946-01-09" "1946-01-09" ...
## $ dateRearg : Date, format: "1946-10-23" "1946-10-23" ...
## $ petitioner : int 198 198 198 198 198 198 198 198 198 100 ...
## $ petitionerState : int NA NA NA NA NA NA NA NA NA NA ...
## $ respondent : int 172 172 172 172 172 172 172 172 172 27 ...
## $ respondentState : int NA NA NA NA NA NA NA NA NA NA ...
## $ jurisdiction : int 6 6 6 6 6 6 6 6 6 1 ...
## $ adminAction : int NA NA NA NA NA NA NA NA NA NA ...
## $ adminActionState : int NA NA NA NA NA NA NA NA NA NA ...
## $ threeJudgeFdc : int 0 0 0 0 0 0 0 0 0 0 ...
## $ caseOrigin : int 51 51 51 51 51 51 51 51 51 123 ...
## $ caseOriginState : int 6 6 6 6 6 6 6 6 6 52 ...
```

```

## $ caseSource          : int 29 29 29 29 29 29 29 29 29 30 ...
## $ caseSourceState     : int NA NA NA NA NA NA NA NA NA NA ...
## $ lcDisagreement      : int 0 0 0 0 0 0 0 0 0 0 ...
## $ certReason          : int 11 11 11 11 11 11 11 11 11 4 ...
## $ lcDisposition       : int 2 2 2 2 2 2 2 2 2 2 ...
## $ lcDispositionDirection : int 1 1 1 1 1 1 1 1 1 1 ...
## $ declarationUncon    : int 1 1 1 1 1 1 1 1 1 1 ...
## $ caseDisposition     : int 3 3 3 3 3 3 3 3 3 2 ...
## $ caseDispositionUnusual : int 0 0 0 0 0 0 0 0 0 0 ...
## $ partyWinning        : int 1 1 1 1 1 1 1 1 1 0 ...
## $ precedentAlteration  : int 0 0 0 0 0 0 0 0 0 0 ...
## $ voteUnclear         : int 0 0 0 0 0 0 0 0 0 0 ...
## $ issue               : int 80180 80180 80180 80180 80180 80180 80180 80180 10500 ...
## $ issueArea           : int 8 8 8 8 8 8 8 8 8 1 ...
## $ decisionDirection    : int 2 2 2 2 2 2 2 2 2 1 ...
## $ decisionDirectionDissent: int 0 0 0 0 0 0 0 0 0 0 ...
## $ authorityDecision1   : int 4 4 4 4 4 4 4 4 4 4 ...
## $ authorityDecision2   : int NA NA NA NA NA NA NA NA NA NA ...
## $ lawType              : int 6 6 6 6 6 6 6 6 6 6 ...
## $ lawSupp              : int 600 600 600 600 600 600 600 600 600 ...
## $ lawMinor             : chr "35 U.S.C. § 33" "35 U.S.C. § 33" "35 U.S.C. § 33" "35 U.S.C. § 33" ...
## $ majOpinWriter        : int 78 78 78 78 78 78 78 78 78 81 ...
## $ majOpinAssigner      : int 78 78 78 78 78 78 78 78 78 87 ...
## $ splitVote            : int 1 1 1 1 1 1 1 1 1 1 ...
## $ majVotes             : int 8 8 8 8 8 8 8 8 8 6 ...
## $ minVotes             : int 1 1 1 1 1 1 1 1 1 3 ...
## $ justice              : int 86 84 81 80 79 78 85 82 87 86 ...
## $ justiceName          : chr "HHBurton" "RHJackson" "WODouglas" "FFrankfurter" ...
## $ vote                 : int 2 1 1 4 1 1 1 1 1 1 ...
## $ opinion               : int 1 1 1 2 1 2 1 1 1 1 ...
## $ direction            : int 1 2 2 2 2 2 2 2 2 1 ...
## $ majority             : int 1 2 2 2 2 2 2 2 2 2 ...
## $ firstAgreement       : int NA NA NA NA NA NA NA NA NA NA ...
## $ secondAgreement      : int NA NA NA NA NA NA NA NA NA NA ...
## - attr(*, "val.labels")= chr "" "" "" "" ...
## - attr(*, "var.labels")= chr "unique case id" "unique docket id" "unique issue/legal provision id"
## - attr(*, "label.table")=List of 61
## ..$ : NULL
## ..$ : NULL
## ..$ : NULL
## ..$ : NULL
## ..$ : NULL
## ..$ : NULL
## ..$ : Named num 1 2 4 5 6 7 8
## .. ..- attr(*, "names")= chr "opinion of the court" "per curiam (no oral)" "decrees" "equally divi
## ..$ : NULL
## ..$ : NULL
## ..$ : NULL
## ..$ : NULL
## ..$ : NULL
## ..$ : NULL
## ..$ : Named num 101 102 103 104 201 202 301 302 303 401 ...
## .. ..- attr(*, "names")= chr "Jay 1" "Jay 2" "Jay 3" "Jay 4" ...
## ..$ : NULL
## ..$ : NULL
## ..$ : NULL

```

```

## ..$ : NULL
## ..$ : NULL
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "Attorney General" "state education board" "local government" "state
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "Alabama" "Alaska" "American Samoa" "Arizona" ...
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "Attorney General" "state education board" "local government" "state
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "Alabama" "Alaska" "American Samoa" "Arizona" ...
## ..$ : Named num 1 2 3 4 5 6 7 8 9 12 ...
## ..- attr(*, "names")= chr "cert" "appeal" "bail" "certification" ...
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "Army/Air Force Exchange" "Atomic Energy Comm." "Sec. Air Force" "Dep
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "Alabama" "Alaska" "American Samoa" "Arizona" ...
## ..$ : Named num 0 1
## ..- attr(*, "names")= chr "no mention of 3-judge ct" "3-judge district ct heard case"
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "U.S. Ct. Cust., Pat. App." "U.S. Ct. of Int'l Trade" "U.S. Ct. of C
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "Alabama" "Alaska" "American Samoa" "Arizona" ...
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "U.S. Ct. Cust., Pat. App." "U.S. Ct. of Int'l Trade" "U.S. Ct. of C
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "Alabama" "Alaska" "American Samoa" "Arizona" ...
## ..$ : Named num 0 1
## ..- attr(*, "names")= chr "no mention of dissent" "dissent in lower court"
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "no cert" "Fed. court conflict" "Fed. ct. conflict, sig. quest." "pu
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "stay, pet. motion granted" "affirmed" "reversed" "reversed and rema
## ..$ : Named num 1 2 3
## ..- attr(*, "names")= chr "conservative" "liberal" "unspecifiable"
## ..$ : Named num 1 2 3 4
## ..- attr(*, "names")= chr "no unconstitutional" "fed unconstitutional" "state unconstituional"
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "stay, pet., motion granted" "affirmed" "reversed" "reversed and rema
## ..$ : Named num 0 1
## ..- attr(*, "names")= chr "no unusual disposition" "unusual disposition"
## ..$ : Named num 0 1 2
## ..- attr(*, "names")= chr "petitioner lost" "petitioner won" "unclear"
## ..$ : Named num 0 1
## ..- attr(*, "names")= chr "precedent unaltered" "precedent altered"
## ..$ : NULL
## ..$ : Named num 10010 10020 10030 10040 10050 ...
## ..- attr(*, "names")= chr "involuntary confession" "habeas corpus" "plea bargaining" "retroact
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "Criminal Procedure" "Civil Rights" "First Amendment" "Due Process"
## ..$ : Named num 1 2 3
## ..- attr(*, "names")= chr "conservative" "liberal" "unspecifiable"
## ..$ : Named num 0 1
## ..- attr(*, "names")= chr "dissent in opp. direction" "dissent in same direction"
## ..$ : Named num 1 2 3 4 5 6 7

```

```
## ..- attr(*, "names")= chr "judicial review (national)" "judicial review (state)" "original jur
## ..$ : Named num 1 2 3 4 5 6 7
## ..- attr(*, "names")= chr "judicial review (national)" "judicial review (state)" "original jur
## ..$ : Named num 1 2 3 4 5 6 7 8 9
## ..- attr(*, "names")= chr "Constitution" "Const. Amendment" "Fed. Statute" "Court Rules" ...
## ..$ : Named num 100 101 102 103 104 105 106 107 108 109 ...
## ..- attr(*, "names")= chr "Art. I, S. 1 (powers)" "Art. I, S. 10 (ex post facto)" "Art. I, S. 2
## ..$ : NULL
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "JJay" "JRutledge" "WCushing" "JWilson" ...
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "JJay" "JRutledge" "WCushing" "JWilson" ...
## ..$ : Named num 1 2
## ..- attr(*, "names")= chr "1st vote on issue/provision" "2nd vote on issue/provision"
## ..$ : NULL
## ..$ : NULL
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "JJay" "JRutledge" "WCushing" "JWilson" ...
## ..$ : NULL
## ..$ : Named num 1 2 3 4 5 6 7 8
## ..- attr(*, "names")= chr "voted w/ majority, plurality" "dissent" "regular concurrence" "speci
## ..$ : Named num 1 2 3
## ..- attr(*, "names")= chr "justice wrote no opinion" "justice wrote an opinion" "justice co-au
## ..$ : Named num 1 2 3
## ..- attr(*, "names")= chr "conservative" "liberal" "unspecifiable"
## ..$ : Named num 1 2
## ..- attr(*, "names")= chr "dissent" "majority"
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "JJay" "JRutledge" "WCushing" "JWilson" ...
## ..$ : Named num 1 2 3 4 5 6 7 8 9 10 ...
## ..- attr(*, "names")= chr "JJay" "JRutledge" "WCushing" "JWilson" ...
```

```
attach(data)
head(data[c("opinion", "justiceName", "caseId")])
```

```
## opinion justiceName caseId
## 1 1 HHBurton 1946-001
## 2 1 RHJackson 1946-001
## 3 1 WODouglas 1946-001
## 4 2 FFrankfurter 1946-001
## 5 1 SFreder 1946-001
## 6 2 HLBlack 1946-001
```

```
uniqueJustices=unique(justiceName)
head(uniqueJustices);tail(uniqueJustices)
```

```
## [1] "HHBurton" "RHJackson" "WODouglas" "FFrankfurter"
## [5] "SFreder" "HLBlack"
```

```
## [1] "RBGinsburg" "SGBreyer" "JGRoberts" "SAAlito" "SSotomayor"
## [6] "EKagan"
```

```
numJustices=length(uniqueJustices);numJustices
```

```
## [1] 36
```

```
uniqueCases=unique(caseId)
head(uniqueCases);tail(uniqueCases)
```

```
## [1] "1946-001" "1946-002" "1946-003" "1946-004" "1946-005" "1946-006"
```

```
## [1] "2013-070" "2013-071" "2013-072" "2013-073" "2013-074" "2013-075"
```

```
numCases=length(uniqueCases);numCases
```

```
## [1] 8561
```

```
#create empty matrix
```

```
JusticeCaseMatrix=matrix(rep(NA, numJustices*numCases), nrow=numCases, dimnames = list(uniqueCases, uni
```

```
#populate matrix
```

```
for (i in 1:numJustices){
```

```
  Temp=data[data$justiceName==uniqueJustices[i],]
```

```
  SubsetUniqueCases=unique(Temp$caseId)
```

```
  SubsetNumCases=length(SubsetUniqueCases)
```

```
  for (j in 1:SubsetNumCases){
```

```
    if(length(Temp$opinion[data$caseId==SubsetUniqueCases[j]])>0){
```

```
      JusticeCaseMatrix[ SubsetUniqueCases[j], uniqueJustices[i] ]=
        Temp$opinion[ Temp$caseId==SubsetUniqueCases[j][1] ]
    }
```

```
  }
```

```
}
```

```
JusticeCaseMatrix[1:20,1:6]
```

```
##           HHBurton RHJackson WODouglas FFrankfurter SFreedy HLBlack
## 1946-001         1         1         1         2         1         2
## 1946-002         1         3         2         1         1         3
## 1946-003         1         2         1         1         2         1
## 1946-004         1        NA         1         1         2         2
## 1946-005         1         3         1         3         3         2
## 1946-006         1         1         2         1         1         2
## 1946-007         1        NA        NA         2        NA         1
## 1946-008         1         1         1         1         1         1
## 1946-009         1         1         1         1         1         1
```

## 1946-010	1	1	1	2	NA	2
## 1946-011	1	1	2	2	1	1
## 1946-012	2	2	2	2	1	1
## 1946-013	1	1	2	1	1	1
## 1946-014	1	1	2	1	1	1
## 1946-015	1	2	1	1	1	NA
## 1946-016	2	1	2	1	1	1
## 1946-017	1	1	2	2	1	1
## 1946-018	1	1	1	2	1	1
## 1946-019	1	2	1	1	1	1
## 1946-020	1	1	2	1	1	1