

Feuille de Travaux Dirigés n° 3

Fouille de Textes avec Twitter et R

1 Introduction

Twitter est une des sources favorites de données textuelles pour les analyses : c'est un réseau populaire (il y a un très grand nombre de sujets qui sont de surcroît variés) et facilement accessible à l'aide de API libres et gratuites mises à disposition par Twitter qui permettent de récupérer les données aux formats JSON ou ATOM.

Plusieurs personnes ont utilisé Twitter pour réaliser des études sophistiquées qui visaient à prédire l'apparition des épidémies de grippe ou les cours de la bourse. Commençons par des objectifs plus simples et moins ambitieux : une introduction à la fouille de textes avec Twitter et le langage R. Nous allons télécharger des données en direct avec les API de Twitter, les parcourir, construire un corpus, montrer quelques fonctions de traitements de données textuelles et enfin construire une représentation graphique d'une classification hiérarchique car les images sont toujours utiles pour nous aider à interpréter les résultats. Nous nous intéresserons à deux sujets pour lesquels il y a des oppositions marquées en espérant arriver à détecter les deux groupes :

- l'avortement ;
- le duel Obama contre Romney.

2 Premier exemple

Il existe une bibliothèque spécialisée pour R appelée `twitterR` mais il est également possible de passer par les fonctions génériques de la bibliothèque XML et l'API de recherche fourni par Twitter.

```
> setwd("C:/Données/ESIEA/Module5A/DataMining_2011-2012/TDs_DM")
```

```
#Lire les tweets de Twitter en utilisant le format ATOM (XML). #L'installation de la bibliothèque sur l'ordinateur n'est à réaliser qu'une seule fois.
```

```
> install.packages('XML')
```

```
# Le chargement en mémoire de la bibliothèque doit être fait au début de chaque nouvelle session R
```

```
> require(XML)
```

```
# création du vecteur pour stocker les tweets de Twitter
```

```

> mydata.vectors <- character(0)

# parcourir plusieurs pages pour recueillir des tweets

> for (page in c(1:15))
+ {
+   # rechercher les paramètres d'intérêt
+   twitter_q <- URLEncode('#prolife OR #prochoice')
+   # construire l'url de recherche
+   twitter_url = paste('http://search.twitter.com/search.atom?q=',
+   twitter_q, '&rpp=100&page=', page, sep='')
+   # accéder à l'url et récupérer les données
+   mydata.xml <- xmlParseDoc(twitter_url, asText=F)
+   # extraire les titres
+   mydata.vector <- xpathSApply(mydata.xml, '//s:entry/s:title',
+   xmlValue, namespaces =c('s'='http://www.w3.org/2005/Atom'))
+   # ajouter les nouveaux tweets aux anciens
+   mydata.vectors <- c(mydata.vector, mydata.vectors)
+ }

# Combien de tweets avons-nous récupérés?

> length(mydata.vectors)

[1] 1458

> mydata.vectors2 <- character(0)

# parcourir plusieurs pages pour recueillir des tweets

> for (page in c(1:15))
+ {
+   # rechercher les paramètres d'intérêt
+   twitter_q2 <- URLEncode('#proObama OR #proRomney')
+   # construire l'url de recherche
+   twitter_url2 = paste('http://search.twitter.com/search.atom?q=',
+   twitter_q2, '&rpp=100&page=', page, sep='')
+   # accéder à l'url et récupérer les données
+   mydata.xml2 <- xmlParseDoc(twitter_url2, asText=F)
+   # extraire les titres
+   mydata.vector2 <- xpathSApply(mydata.xml2, '//s:entry/s:title',
+   xmlValue, namespaces =c('s'='http://www.w3.org/2005/Atom'))
+   # ajouter les nouveaux tweets aux anciens
+   mydata.vectors2 <- c(mydata.vector2, mydata.vectors2)
+ }

# Combien de tweets avons-nous récupérés?

```

```
> length(mydata.vectors2)
```

```
[1] 1489
```

Basée sur les limites de l'API de Twitter, vous devriez avoir 1500 vecteurs représentant 1500 tweets.

Si vous n'avez pas accès à internet, ces tweets sont disponibles dans les fichiers `tweets1.Rdata` et `tweets2.txt`. Vous devrez les charger en mémoire pour pouvoir continuer l'exercice.

Utilisons la bibliothèque `tm` (text mining).

```
> install.packages('tm')
```

```
> require(tm)
```

```
# construire un corpus
```

```
> mydata.corpus <- Corpus(VectorSource(mydata.vectors))
```

```
> mydata.corpus2 <- Corpus(VectorSource(mydata.vectors2))
```

```
# transformer toutes les lettres en minuscules
```

```
> mydata.corpus <- tm_map(mydata.corpus, tolower)
```

```
> mydata.corpus2 <- tm_map(mydata.corpus2, tolower)
```

```
# supprimer la ponctuation
```

```
> mydata.corpus <- tm_map(mydata.corpus, removePunctuation)
```

```
# supprimer les mots génériques et customs
```

```
> my_stopwords <- c(stopwords('english'), 'prolife', 'prochoice')
```

```
> my_stopwords2 <- c(stopwords('english'), 'proobama', 'proromney')
```

```
> mydata.corpus <- tm_map(mydata.corpus, removeWords, my_stopwords)
```

```
> mydata.corpus2 <- tm_map(mydata.corpus2, removeWords, my_stopwords2)
```

```
# construire une matrice term-document
```

```
> mydata.dtm <- TermDocumentMatrix(mydata.corpus)
```

```
> mydata.dtm2 <- TermDocumentMatrix(mydata.corpus2)
```

```
# afficher la matrice term-document
```

```
> mydata.dtm
```

```
A term-document matrix (3378 terms, 1458 documents)
```

```
Non-/sparse entries: 11934/4913190
```

```
Sparsity           : 100%
```

```
Maximal term length: 38
```

```
Weighting          : term frequency (tf)
```

```
> mydata.dtm2
```

```
A term-document matrix (3989 terms, 1458 documents)
```

```
Non-/sparse entries: 13695/5802267
Sparsity           : 100%
Maximal term length: 132
Weighting          : term frequency (tf)
```

```
# afficher les mots les plus populaires
```

```
> findFreqTerms(mydata.dtm, lowfreq=30)
```

```
[1] "abortion"      "alvedaking"    "amp"
[4] "babies"        "baby"          "body"
[7] "catholic"      "children"      "choice"
[10] "christian"     "clinics"       "datagenesis"
[13] "denied"        "dont"          "election"
[16] "election2012"  "fem2"          "fight"
[19] "god"           "gop"           "httptcoy6lufvrve"
[22] "killed"        "life"          "lifesite"
[25] "m312"          "millions"      "obama"
[28] "parenthood"    "planned"       "proabortion"
[31] "rape"          "read"          "sell"
[34] "stevenertelt"  "tcot"          "unborn"
[37] "via"           "victory"       "vote"
[40] "voters"        "wer"           "women"
```

Les termes les plus souvent utilisés comprennent *abortion*, *dont*, *funding*, *gop*, *parenthood*, *planned*, *prochoice prolife*, *tcot*, *women*. Bien que cela ne soit pas indiqué de manière explicite ici, les mots ■ *planned* ■ and ■ *parenthood* ■ sont une collocation (des mots qui apparaissent ensemble plus souvent que par hasard). Déterminons les mots qui sont avec un terme particulier.

```
> findAssocs(mydata.dtm, 'fetus', 0.20)
```

fetus	stage	abortionlies
1.00	0.53	0.43
httptcojrsacdqc	1223htm	begin
0.43	0.38	0.38
conceptionamp	deliver	describes
0.38	0.38	0.38
developed	developmental	httptcofeyvjhl1
0.38	0.38	0.38
humanright2life	inconvenienttruth	latin
0.38	0.38	0.38

lifethen	sed	sez
0.38	0.38	0.38
starving	thelaiability	thereprochoice
0.38	0.38	0.38
thousands	look	pay
0.38	0.31	0.31
week	fine	fyi
0.28	0.27	0.27
httpcotfpdj5rh	gtgt	lettingsmokeout
0.27	0.22	0.22
m408		
0.20		

Le nombre en-dessous de chaque mot est le score d'association, ainsi le terme recherché apparaît toujours dans la liste. Le mot qui est le plus associé ensuite est ■ child ■, etc. Pour certaines applications, un vérificateur d'orthographe serait utile pour traiter les mots comportant des fautes comme ■ believeing ■.

Pour représenter graphiquement une classification hiérarchique, nous devons réduire le nombre de termes, sinon le schéma dépassera la taille de la page ou de l'écran, puis construire un data frame.

surprimer l'option sparse pour simplifier le graphique # Note : jouer avec la valeur du paramètre sparse pour changer le nombre de mots obtenus. # Entre 10 et 30 mots représente une valeur acceptable.

```
> mydata.dtmbis <- removeSparseTerms(mydata.dtm, sparse=0.95)
# conversion de la matrice sparse term-document en un data frame classique
> mydata.df <- as.data.frame(inspect(mydata.dtmbis))
```

A term-document matrix (7 terms, 1458 documents)

```
Non-/sparse entries: 1078/9128
Sparsity             : 89%
Maximal term length: 8
Weighting            : term frequency (tf)
```

	Docs																				
Terms	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
abortion	0	1	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	1	0	2	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0
tcot	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
women	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1

Terms	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
abortion	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0
gop	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
tcot	0	1	0	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0
women	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
abortion	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
gop	2	0	0	0	0	0	0	1	0	0	0	0	2	0	0	2	0	0
life	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
tcot	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
women	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
abortion	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	2	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
tcot	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Docs

Terms	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93
abortion	0	1	0	1	0	0	1	0	0	0	0	0	1	1	1	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
women	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

Docs

Terms	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108
abortion	1	0	0	0	0	1	0	0	1	0	0	1	0	0	0
baby	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
election	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
life	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
tcot	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

Docs

Terms	109	110	111	112	113	114	115	116	117	118	119	120	121
abortion	0	1	0	1	0	0	0	0	0	0	0	0	0
baby	1	0	0	0	0	0	0	0	0	0	0	0	0
election	0	1	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	1	0	0	0	0	0
life	0	0	0	0	1	0	0	0	1	0	0	0	0
tcot	0	0	0	0	0	0	0	0	1	0	0	0	0
women	0	0	0	0	0	0	0	1	0	1	0	0	0

Docs

Terms	122	123	124	125	126	127	128	129	130	131	132	133	134
abortion	0	0	0	0	0	0	0	0	0	0	1	1	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	1	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	1	0	0
women	0	0	0	0	0	1	0	0	0	0	0	1	0

Docs

Terms	135	136	137	138	139	140	141	142	143	144	145	146	147
abortion	1	0	0	1	0	0	0	0	0	1	0	0	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	1	0	0	1
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	1	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	1	0	0	0	0	0

Docs

Terms	148	149	150	151	152	153	154	155	156	157	158	159	160
abortion	0	0	1	1	0	0	1	0	1	0	1	1	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	1	0	0	1	0	1	0	1	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	1	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	1	0	0	0	0	0	0	0	1	0	0	0

Docs

Terms	161	162	163	164	165	166	167	168	169	170	171	172	173
abortion	1	1	1	1	0	0	1	0	0	1	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	1	0	0	1	0	0	1	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	1	0	0	0	0	0	0	0	0
women	0	0	1	0	0	0	0	0	0	1	0	0	0

Docs

Terms	174	175	176	177	178	179	180	181	182	183	184	185	186
abortion	0	0	1	0	1	0	1	1	0	1	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	1
tcot	0	0	0	1	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	1	0	1	1	0	0

Docs

Terms	187	188	189	190	191	192	193	194	195	196	197	198	199
abortion	0	0	0	0	0	0	0	0	0	1	1	0	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	1	0	0	0	0
gop	1	0	0	0	0	0	0	1	0	0	0	0	0
life	0	1	0	0	0	1	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	200	201	202	203	204	205	206	207	208	209	210	211	212
abortion	0	0	0	0	0	0	0	0	1	0	1	0	1
baby	0	0	0	1	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	1
gop	0	2	0	0	0	0	0	0	0	0	0	0	0
life	0	0	2	0	0	0	1	0	0	0	0	0	0
tcot	0	0	0	2	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	1	1	0

Docs

Terms	213	214	215	216	217	218	219	220	221	222	223	224	225
abortion	1	0	1	0	0	0	0	0	2	2	1	0	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	1	0	1	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	1	0	0	0	0	0
tcot	0	0	0	0	0	0	1	0	0	0	0	1	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	226	227	228	229	230	231	232	233	234	235	236	237	238
abortion	0	0	0	0	0	1	0	0	0	0	0	1	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	1	0
women	0	0	1	0	0	0	0	0	0	0	0	0	0

Docs

Terms	239	240	241	242	243	244	245	246	247	248	249	250	251
abortion	0	0	0	1	0	1	0	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	1	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	1	0	0	0	0	0	0	0	0	0	0	0
life	1	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	1	0	0	0	0	0	0	0	0	0
women	0	1	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	252	253	254	255	256	257	258	259	260	261	262	263	264
abortion	0	0	0	0	0	0	0	0	1	0	1	1	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	1	0	1	1	0
gop	0	0	0	1	1	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	2
tcot	0	0	0	0	0	0	1	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	265	266	267	268	269	270	271	272	273	274	275	276	277
abortion	0	0	0	0	0	0	1	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	2	0	0	0	0	1	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	1	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	278	279	280	281	282	283	284	285	286	287	288	289	290
abortion	0	0	0	0	0	0	1	0	0	0	0	0	0
baby	0	1	0	0	0	0	0	0	0	0	0	0	0
election	1	0	0	0	0	0	1	0	0	0	0	0	0
gop	0	0	0	0	0	1	0	0	0	0	0	0	0
life	0	0	0	1	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	1	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	291	292	293	294	295	296	297	298	299	300	301	302	303
abortion	0	0	0	0	0	0	0	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	1	1	1	1	0	1	1	0	0	0	0	1	1
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	304	305	306	307	308	309	310	311	312	313	314	315	316
abortion	0	0	0	0	0	0	0	0	0	1	0	0	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	2	0	1	0	1	1	0	1	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	1	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	317	318	319	320	321	322	323	324	325	326	327	328	329
abortion	0	0	0	0	0	0	1	0	0	1	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	1	1	1	1	1	0	1	1	0	1	1	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	1
tcot	0	0	0	0	0	0	1	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	330	331	332	333	334	335	336	337	338	339	340	341	342
abortion	0	0	0	0	0	0	0	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	1	0	1	0	0	1	0	1	1	1	0	0	0
gop	0	0	0	0	2	0	0	0	0	0	0	0	0
life	0	1	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	1	0	0	1	0	0	0	0	0	0
women	0	1	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	343	344	345	346	347	348	349	350	351	352	353	354	355
abortion	0	1	0	0	0	0	0	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	1	0	1	1	1	0	1	1	0	1	1	1	1
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	356	357	358	359	360	361	362	363	364	365	366	367	368
abortion	0	0	0	0	1	0	0	0	0	1	1	1	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	1	1	1	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	2	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	1
tcot	0	0	1	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	1	1	0	0

Docs

Terms	369	370	371	372	373	374	375	376	377	378	379	380	381
abortion	1	0	0	0	0	1	0	1	0	0	0	1	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	1	0	0	0	0	1	0	0	0	1
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	382	383	384	385	386	387	388	389	390	391	392	393	394
abortion	0	0	1	0	0	1	1	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	1	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	1	0	0
life	2	0	0	1	1	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	1	0	0	0	0	0	0	0

Docs

Terms	395	396	397	398	399	400	401	402	403	404	405	406	407
abortion	0	0	0	0	0	0	0	0	0	0	0	1	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	1	0	0	1	0	0	0	0	0	0	0	0	0
life	0	2	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	1	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	408	409	410	411	412	413	414	415	416	417	418	419	420
abortion	1	1	0	0	0	0	1	0	0	0	1	1	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	1	0	0	0	0	1	0	0	0	0	0	0	0
life	0	0	0	1	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	421	422	423	424	425	426	427	428	429	430	431	432	433
abortion	2	1	0	0	0	0	0	0	0	0	0	1	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	1	1	1	1	0	1	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	434	435	436	437	438	439	440	441	442	443	444	445	446
abortion	0	0	0	0	1	0	0	0	0	1	2	2	1
baby	0	1	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	2	0	0	0	0	0	0	0	0	0
life	0	0	0	0	1	0	0	0	0	0	0	0	1
tcot	0	0	0	0	1	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	447	448	449	450	451	452	453	454	455	456	457	458	459
abortion	0	0	0	1	0	0	2	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	1	0
election	0	1	0	0	0	0	0	0	0	0	0	0	0
gop	2	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	1	0	0	0	0	0	0	0	1	0
women	0	0	0	0	1	0	0	0	0	0	0	0	0

Docs

Terms	460	461	462	463	464	465	466	467	468	469	470	471	472
abortion	1	1	0	0	1	0	0	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	1	0	0	0	0	0	0	0
tcot	0	1	0	0	0	0	0	0	0	1	0	0	0
women	1	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	473	474	475	476	477	478	479	480	481	482	483	484	485
abortion	0	0	0	0	0	0	0	0	1	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	1	0	1	1	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	1	0	0	0	0	0
life	1	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	1	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	486	487	488	489	490	491	492	493	494	495	496	497	498
abortion	1	0	0	1	0	0	0	1	0	0	1	0	0
baby	0	0	0	0	0	0	0	1	0	0	0	0	0
election	0	0	0	0	0	0	1	0	0	0	0	0	0
gop	0	1	1	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	1	1	1	1	0	0	1	0	0	1	1	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	499	500	501	502	503	504	505	506	507	508	509	510	511
abortion	0	0	0	0	0	0	0	0	1	0	1	0	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	1	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	512	513	514	515	516	517	518	519	520	521	522	523	524
abortion	1	0	1	1	0	0	0	0	0	1	0	1	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	1	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	1	0	0	0	0	0
life	0	0	0	0	0	0	1	0	0	0	0	0	0
tcot	1	0	0	0	1	1	0	0	0	1	0	0	1
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	525	526	527	528	529	530	531	532	533	534	535	536	537
abortion	0	0	0	0	0	0	0	0	1	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	1	0	0	0	0	0	0	1
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	1	0	1	0	0	1	1	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	538	539	540	541	542	543	544	545	546	547	548	549	550
abortion	0	1	1	0	1	0	1	1	0	0	1	1	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	1	0	0	0	0	1	1	0	1	0	1	1
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	551	552	553	554	555	556	557	558	559	560	561	562	563
abortion	1	1	0	0	0	0	1	0	0	1	0	1	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	1	0	0	1	0	0	1	2	0	0
life	0	0	0	0	0	0	0	1	0	0	0	0	0
tcot	1	1	0	0	0	0	0	1	0	0	1	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	564	565	566	567	568	569	570	571	572	573	574	575	576
abortion	0	0	0	0	0	0	0	1	0	0	1	1	1
baby	0	0	0	0	0	0	0	1	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	1
life	0	1	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	577	578	579	580	581	582	583	584	585	586	587	588	589
abortion	1	0	1	0	1	0	1	0	0	1	1	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	1	0	0	0	0	0	0	1	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	1	0	0	0	0	0	0	1	0	0	0

Docs

Terms	590	591	592	593	594	595	596	597	598	599	600	601	602
abortion	0	0	1	0	1	0	0	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	1	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	1
tcot	0	0	0	0	0	1	0	0	0	0	0	0	0
women	0	0	0	0	1	0	0	0	0	1	0	0	0

Docs

Terms	603	604	605	606	607	608	609	610	611	612	613	614	615
abortion	0	0	0	0	0	0	0	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	1	0	0	0	0	0
election	0	0	1	0	1	0	0	0	0	0	0	1	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	1	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	616	617	618	619	620	621	622	623	624	625	626	627	628
abortion	0	0	0	0	0	0	0	0	0	0	0	0	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	1	0	1	1	0	1	1	0	0	0	1	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	1	0	1	1	0	1	0	0	0	0	1	0

Docs

Terms	629	630	631	632	633	634	635	636	637	638	639	640	641
abortion	0	0	1	0	0	0	0	1	1	1	1	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	2	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	2	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	1	0	0	0	0	0	0	0	0	0

Docs

Terms	642	643	644	645	646	647	648	649	650	651	652	653	654
abortion	1	0	0	1	0	0	0	0	0	0	0	1	0
baby	0	0	1	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	1	0	0	0	1	1	1	0	0	0	0	1
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	1	0	0	0
women	0	1	0	0	0	1	1	1	0	0	1	0	0

Docs

Terms	655	656	657	658	659	660	661	662	663	664	665	666	667
abortion	0	0	0	0	0	0	0	0	0	0	1	0	0
baby	0	0	1	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	1	0	0	1	0	1	0	1	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	1	0	0	1	0	1	0	1	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	668	669	670	671	672	673	674	675	676	677	678	679	680
abortion	0	0	0	0	1	0	1	0	0	0	0	0	2
baby	0	0	0	0	0	1	0	0	0	0	0	0	0
election	1	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	2	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	1	0	0	0	0
tcot	0	1	0	0	0	0	0	0	0	1	0	0	0
women	0	0	0	1	0	0	0	0	0	0	0	0	0

Docs

Terms	681	682	683	684	685	686	687	688	689	690	691	692	693
abortion	0	0	0	0	0	0	0	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	1	0	0	0	0	0	0	1	1	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	694	695	696	697	698	699	700	701	702	703	704	705	706
abortion	0	1	0	1	0	0	0	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	1	0	0	1	1	0	1	0	0	1	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	707	708	709	710	711	712	713	714	715	716	717	718	719
abortion	0	0	0	0	0	0	0	0	0	0	0	0	1
baby	0	0	0	0	0	0	0	1	0	0	0	0	0
election	0	0	0	0	0	0	1	0	1	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	1	0	0
tcot	0	0	0	0	0	1	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	720	721	722	723	724	725	726	727	728	729	730	731	732
abortion	0	0	0	0	1	1	0	0	0	2	0	0	0
baby	0	1	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	1	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	733	734	735	736	737	738	739	740	741	742	743	744	745
abortion	0	0	0	0	0	2	0	0	0	1	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	1	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	1	0	0	0	1	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	1	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	746	747	748	749	750	751	752	753	754	755	756	757	758
abortion	0	0	0	1	0	0	0	0	0	0	0	1	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	1	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	1	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	759	760	761	762	763	764	765	766	767	768	769	770	771
abortion	0	1	0	0	0	1	0	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	1	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	1	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	1	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	772	773	774	775	776	777	778	779	780	781	782	783	784
abortion	0	1	0	0	0	0	0	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	1	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	1	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	1	0	1	0	0	0	0	0	0	0	0
women	0	1	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	785	786	787	788	789	790	791	792	793	794	795	796	797
abortion	0	0	0	0	1	1	1	1	0	0	1	1	0
baby	0	0	0	0	0	1	0	1	0	0	1	0	0
election	0	0	0	0	1	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	1	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	798	799	800	801	802	803	804	805	806	807	808	809	810
abortion	1	1	1	0	1	0	0	1	0	1	0	0	0
baby	1	1	0	1	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	1	0	0	0	0	0	0	0	0	0	0	1
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	811	812	813	814	815	816	817	818	819	820	821	822	823
abortion	1	0	1	0	0	0	1	0	0	1	0	1	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	1
gop	0	1	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	1	0	1	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	824	825	826	827	828	829	830	831	832	833	834	835	836
abortion	1	0	0	0	0	0	0	2	0	1	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	1	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0	0	0
women	0	0	1	0	1	1	0	0	1	0	0	0	0

Docs

Terms	837	838	839	840	841	842	843	844	845	846	847	848	849
abortion	1	1	1	0	0	0	0	0	1	0	0	0	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	1	0	0	0	0	0	1	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	1	0	0	0	1	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	1	0	0	0	0
women	2	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	850	851	852	853	854	855	856	857	858	859	860	861	862
abortion	0	0	0	1	1	1	0	1	0	0	1	0	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	1	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	1	0	0	0	0	1	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	863	864	865	866	867	868	869	870	871	872	873	874	875
abortion	0	1	0	0	1	1	0	1	1	1	2	2	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	1	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	1	1	0
women	0	1	0	0	0	0	0	0	0	0	1	1	0

Docs

Terms	876	877	878	879	880	881	882	883	884	885	886	887	888
abortion	0	2	0	0	0	0	0	0	0	0	0	0	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	1	0	0	0	0	0	0	0	0	0	0	0
women	0	1	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	889	890	891	892	893	894	895	896	897	898	899	900	901
abortion	0	0	0	0	0	1	0	1	0	0	0	0	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	1	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	1	0	0	0	1	0
women	1	0	0	0	0	1	0	0	0	0	0	0	0

Docs

Terms	902	903	904	905	906	907	908	909	910	911	912	913	914
abortion	1	0	1	0	0	0	1	0	0	0	1	0	0
baby	1	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	1	0	1	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	1
tcot	0	1	1	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	1	0	0	0

Docs

Terms	915	916	917	918	919	920	921	922	923	924	925	926	927
abortion	1	0	0	0	1	0	0	1	1	0	1	0	1
baby	1	0	0	0	0	0	0	0	0	0	0	0	1
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	1	1	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	928	929	930	931	932	933	934	935	936	937	938	939	940
abortion	1	0	1	0	0	0	0	0	0	0	0	0	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	1	0	0	0	0	0	0	0	0	1	1	0
life	0	0	0	1	0	0	1	0	0	0	0	0	0
tcot	0	1	1	0	1	0	0	0	0	0	1	1	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	941	942	943	944	945	946	947	948	949	950	951	952	953
abortion	0	1	0	1	0	1	0	0	0	0	1	1	0
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	1	1	0	1	1	0	0	1	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	954	955	956	957	958	959	960	961	962	963	964	965	966
abortion	0	0	0	0	0	0	0	1	1	1	0	1	0
baby	1	0	0	0	0	0	0	1	0	1	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	1	0	0	0	0	0	0	0	0	1
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	1	0	1	0	0	0	0	0	0	0	0	1
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	967	968	969	970	971	972	973	974	975	976	977	978	979
abortion	0	0	0	1	0	0	2	0	0	0	0	1	1
baby	0	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	1	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	1	0	0	0	0	0	0
women	0	0	0	0	0	0	1	0	0	0	0	0	0

Docs

Terms	980	981	982	983	984	985	986	987	988	989	990	991	992
abortion	0	1	0	0	0	0	0	0	0	1	1	0	1
baby	0	0	0	0	0	0	0	0	0	0	1	0	0
election	0	0	0	0	0	0	0	0	1	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	1	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	993	994	995	996	997	998	999	1000	1001	1002	1003	1004
abortion	0	0	0	0	0	0	0	1	1	0	0	1
baby	0	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	2	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0	0
tcot	0	1	0	0	0	1	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015
abortion	0	1	0	1	0	1	0	0	1	0	1
baby	0	1	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	1	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	1	0	0	0	0	1	0	0	0	0
tcot	0	1	0	0	0	1	0	0	0	0	1
women	0	0	0	2	0	1	0	0	0	0	0

Docs

Terms	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026
abortion	1	0	0	0	1	1	1	0	1	0	0
baby	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	1	0	0	0	0	0	0	0
gop	1	0	0	0	0	0	0	0	0	0	0
life	0	2	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037
abortion	0	0	0	0	0	0	1	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	1	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048
abortion	0	0	0	0	0	1	0	0	0	0	1
baby	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	1	0	0	0	0	0	0
gop	0	0	1	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	1	0	0	0
tcot	0	0	1	0	0	0	1	0	1	1	0
women	0	0	0	0	1	0	0	0	0	0	0

Docs

Terms	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059
abortion	0	0	0	0	1	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	1	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	1	0	0	0	0	0	0	0	0	0	0
tcot	0	1	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	1	0	0	0	0	0

Docs

Terms	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070
abortion	1	0	0	0	1	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0
election	0	0	1	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	1	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081
abortion	0	0	0	1	1	0	1	1	1	1	0
baby	0	0	0	1	1	0	0	1	1	0	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092
abortion	1	1	1	1	0	0	1	1	0	0	1
baby	0	1	1	0	0	0	1	1	0	0	0
election	1	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	1	0	0
life	0	0	0	0	0	0	0	0	0	1	0
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	1

Docs

Terms	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103
abortion	0	1	1	0	0	0	0	1	0	1	0
baby	0	1	1	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	1	0	0
life	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	1	0	0	1	0

Docs

Terms	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114
abortion	1	1	1	1	0	1	0	1	0	1	1
baby	1	0	1	0	0	0	0	0	0	1	1
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	1	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125
abortion	1	1	0	1	1	1	1	1	1	0	1
baby	1	1	0	1	1	1	0	0	1	0	1
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	1	0
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136
abortion	1	1	0	0	1	0	0	0	3	0	0
baby	1	1	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	1	0	0	0	0
tcot	0	0	0	0	0	0	0	0	1	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147
abortion	0	0	0	0	0	0	0	0	0	0	1
baby	0	0	0	0	0	0	0	0	0	0	1
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	1	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158
abortion	0	0	0	1	0	0	0	0	0	0	0
baby	0	0	1	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0
tcot	0	1	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169
abortion	0	0	0	0	0	0	1	0	0	1	0
baby	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	1	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	1	0	0	0	0	1
tcot	0	0	0	0	0	1	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180
abortion	0	0	0	1	0	1	0	0	1	1	1
baby	0	0	0	1	0	0	0	0	0	0	1
election	0	0	0	0	1	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	2	0	0	0	0	0	0	0	0
tcot	0	1	0	1	0	0	0	0	0	1	1
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191
abortion	1	1	0	1	1	1	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0
election	0	0	1	0	0	0	0	0	1	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0
tcot	0	1	0	0	0	0	0	0	0	0	0
women	1	0	0	0	0	1	1	0	0	0	0

Docs

Terms	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202
abortion	0	0	1	0	1	0	0	1	0	1	1
baby	0	0	0	1	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	1	2	1	0	0	1	0	1	1
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213
abortion	1	1	0	1	0	1	0	0	1	0	0
baby	0	1	0	0	0	0	0	0	1	0	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	1
tcot	0	0	0	0	0	0	1	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224
abortion	0	1	0	1	0	0	0	1	0	1	0
baby	0	1	0	0	0	0	0	0	0	1	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	1	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	1	0	0	0	0	0	0

Docs

Terms	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235
abortion	0	1	0	0	0	0	1	0	0	0	1
baby	0	0	0	0	0	0	0	0	0	0	1
election	0	0	1	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	1	0	0	0	0	0	1	0	0
women	0	1	0	0	0	0	0	0	0	0	0

Docs

Terms	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246
abortion	0	0	0	0	1	0	0	0	0	0	0
baby	0	0	0	0	1	0	0	0	0	0	0
election	0	0	1	1	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	1	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257
abortion	0	0	0	1	0	1	0	1	0	1	0
baby	1	0	0	0	1	1	0	0	1	1	1
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	1	0	0	0	0	0	0	0	0	0	0
tcot	1	0	0	1	1	0	0	0	1	0	1
women	0	0	0	0	1	0	0	0	1	0	1

Docs

Terms	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268
abortion	0	1	0	0	1	1	0	1	1	0	0
baby	0	0	0	0	1	1	0	0	0	0	1
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	1
tcot	0	0	1	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	1	0	0	0	0

Docs

Terms	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279
abortion	1	1	2	1	0	1	0	1	0	1	0
baby	0	0	0	1	0	0	0	1	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	1	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	1	0	0
women	1	1	0	0	0	2	0	0	0	1	0

Docs

Terms	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290
abortion	0	0	0	0	1	0	0	1	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	1	0	0	0	0	0
gop	0	0	0	1	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	1	0	1	0	0	0	0
women	1	1	0	0	0	0	0	0	0	0	0

Docs

Terms	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301
abortion	0	0	0	0	0	0	0	0	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	1	0	0	0	0	1	0	0	0	0	0
life	0	2	0	1	0	0	0	0	0	0	0
tcot	1	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312
abortion	1	1	0	0	1	0	0	1	0	0	0
baby	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	1	0	0	0	1	0	0	0	0
life	0	0	0	0	0	1	0	0	0	0	0
tcot	0	0	1	0	0	1	1	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	1

Docs

Terms	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323
abortion	1	0	0	1	0	2	0	0	0	0	1
baby	1	0	0	0	0	0	0	0	0	0	1
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	1	0	1	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	1	0	0
tcot	0	0	1	0	1	0	0	0	0	0	0
women	0	0	0	1	0	0	0	0	0	0	0

Docs

Terms	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334
abortion	1	0	0	0	1	0	0	0	0	1	1
baby	0	0	0	0	0	0	0	0	0	1	1
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	1	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345
abortion	0	0	0	0	1	0	0	1	0	1	1
baby	0	0	0	0	1	0	0	1	0	0	0
election	0	0	0	0	0	1	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	1	0	0
life	0	0	0	1	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356
abortion	1	1	0	1	0	1	0	0	0	0	0
baby	1	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	1	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	1	0	0	0	0	0	0	0	1

Docs

Terms	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367
abortion	0	0	0	0	1	0	0	0	0	1	0
baby	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	1	0	0
life	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	1	0	0	0	0	0	0
women	0	0	0	0	0	1	0	1	0	0	0

Docs

Terms	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378
abortion	0	1	0	1	0	1	1	1	0	1	2
baby	1	0	1	0	0	0	1	0	0	0	1
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	1	0	1	0	0	0	0	0	0	1	1
tcot	0	0	0	1	1	0	0	1	0	1	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389
abortion	0	0	0	0	1	0	0	2	1	0	0
baby	0	0	0	0	0	0	0	1	0	0	1
election	1	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	1	0	0	1
tcot	0	0	0	1	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400
abortion	0	1	0	1	1	1	0	0	0	0	0
baby	0	0	0	1	0	0	0	0	0	0	1
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	1	0	0	0
tcot	1	1	0	0	0	0	0	1	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411
abortion	0	0	0	1	0	1	1	0	1	0	2
baby	0	0	0	0	0	0	0	0	0	1	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	1	0
tcot	1	0	0	0	1	1	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422
abortion	0	0	0	0	0	1	0	1	1	0	0
baby	0	0	0	1	0	0	0	0	0	1	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	1	0	0	0	0
life	0	0	0	1	0	0	0	0	0	1	0
tcot	0	0	0	0	0	0	1	1	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433
abortion	0	0	0	0	1	1	0	0	1	0	0
baby	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444
abortion	1	1	1	1	0	0	0	0	1	0	0
baby	0	0	0	0	0	0	0	0	0	0	0
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	0	0	0
tcot	0	0	1	0	0	1	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1455
abortion	1	1	1	1	1	0	1	0	0	1	0
baby	0	0	0	0	0	0	0	0	1	0	1
election	0	0	0	0	0	0	0	0	0	0	0
gop	0	0	0	0	0	0	0	0	0	0	0
life	0	0	0	0	0	0	0	0	1	0	1
tcot	0	0	0	0	0	0	0	0	0	0	0
women	0	0	0	0	0	0	0	0	0	0	0

Docs

Terms	1456	1457	1458
abortion	0	0	0
baby	0	0	0
election	0	0	0
gop	0	0	0
life	0	0	0
tcot	0	0	0
women	0	0	0

examiner les dimensions du data frame

```
> nrow(mydata.df)
```

```
[1] 7
```

```
> ncol(mydata.df)
```

```
[1] 1458
```

Le dataframe contient maintenant un ensemble de mots (des 1-grams) qui sont simplement des dénombrements. Bien que nous ayons perdu la structure, nous avons conservé la plupart des informations et cet objet est facile à utiliser. Le dataframe est prêt pour la classification.

```
> mydata.df.scale <- scale(mydata.df)
```

```
> d <- dist(mydata.df.scale, method = "euclidean") # distance matrix
```

```
> fit <- hclust(d, method="ward")
```

```
> plot(fit) # display dendrogram
```

```
> groups <- cutree(fit, k=5) # cut tree into 5 clusters
```

```
> # draw dendrogram with red borders around the 5 clusters
```

```
> rect.hclust(fit, k=5, border="red")
```

Le termes les plus hauts dans le graphique sont les plus populaires, et les termes les plus proches sont les plus associés.

Procéder de même avec les tweets concernant le duel Obama-Romney

```
> findFreqTerms(mydata.dtm2, lowfreq=30)
```

```
[1] "#abortion"           "#catholic"
[3] "#christian"         "#fem2"
[5] "#gop"               "#m312"
[7] "#p2"                "#prochoice"
[9] "#prolife"           "#tcot"
[11] "&"                  "... "
[13] "@alvedaking:"       "@datagenesis:"
```

[15]	"@lifesite:"	"@stevenertelt:"
[17]	"abortion"	"baby"
[19]	"body"	"children"
[21]	"clinics"	"denied"
[23]	"election"	"election."
[25]	"god"	"gop"
[27]	"http://.co/y6lufvrve"	"killed"
[29]	"life"	"millions"
[31]	"parenthood"	"planned"
[33]	"pro-life"	"rape"
[35]	"sell"	"unborn"
[37]	"via"	"victory"
[39]	"vote"	"voters"
[41]	"wer"	"women"