

# LocalFact Data Analysis

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Basic Queries: number of total checked claims

```
LocalFact %>%  
  count()
```

```
## # A tibble: 1 x 1  
##       n  
##   <int>  
## 1  1298
```

number of unique fact-checks published

```
LocalFact %>%  
  distinct(`Fact-Check URL`) %>%  
  count()
```

```
## # A tibble: 1 x 1  
##       n  
##   <int>  
## 1   953
```

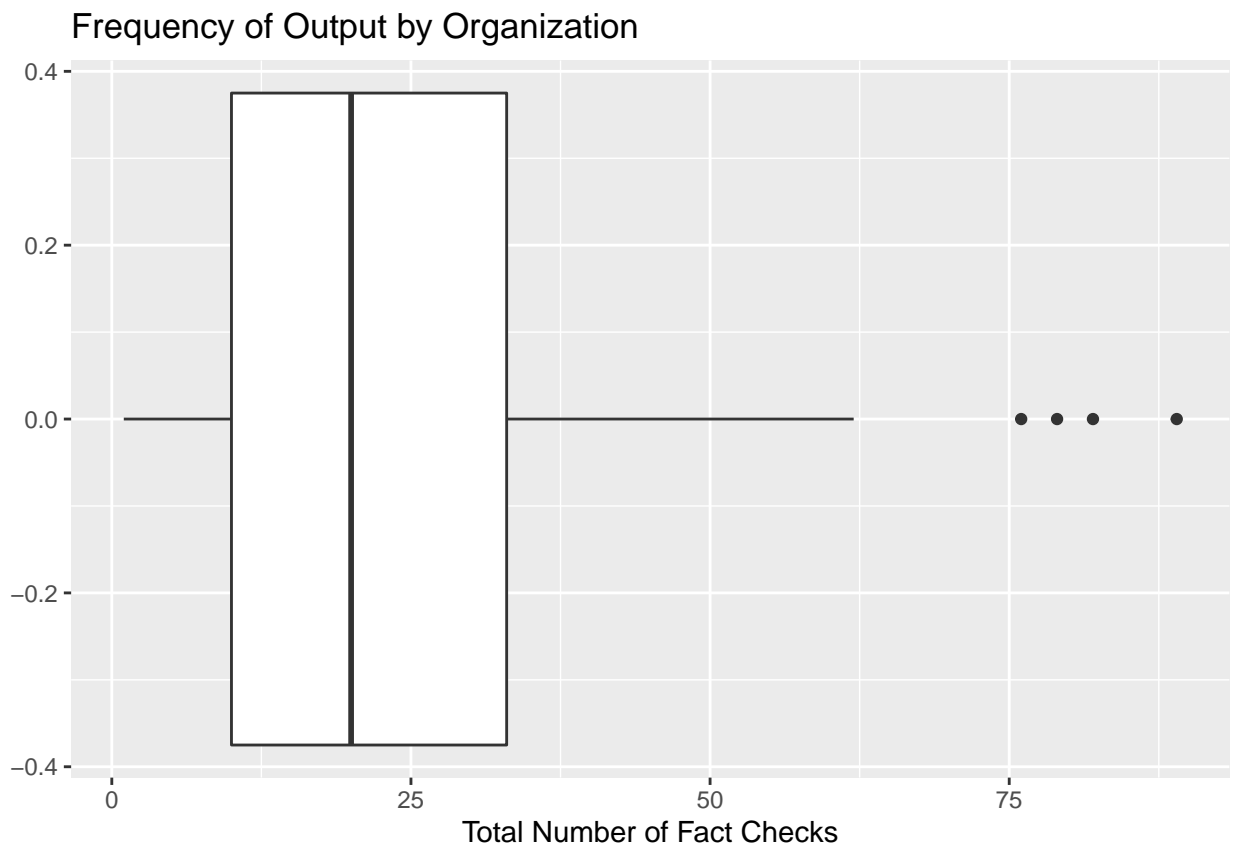
number of fact-checks by state

```
## # A tibble: 26 x 2  
## # Groups:   State [26]  
##   State      n  
##   <chr>    <int>  
## 1 Arizona      76  
## 2 California    28  
## 3 Colorado     48  
## 4 Connecticut   12  
## 5 District of Columbia 32  
## 6 Florida     56  
## 7 Georgia      45  
## 8 Illinois       8  
## 9 Iowa      163  
## 10 Kansas      18  
## # ... with 16 more rows
```

number of fact-checks by fact-checker (organization)

```
## # A tibble: 49 x 2
## # Groups:   Organization [49]
##   Organization      n
##   <chr>          <int>
## 1 PolitiFact Wisconsin      89
## 2 The Nevada Independent Fact Checker      82
## 3 Wisconsin Watch (Gigafact)      79
## 4 WCNC Verify      76
## 5 Arizona Center for Investigative Reporting (Gigafact)      62
## 6 KCRG-TV's i9 Fact Checker      56
## 7 Bridge Michigan      55
## 8 The Frontier fact checks      54
## 9 Gazette Fact Checker      52
## 10 The News & Observer's Fact-Checking Project      47
## # ... with 39 more rows
```

```
## Organization      n
## Length:49      Min.   : 1.00
## Class :character 1st Qu.:10.00
## Mode  :character Median :20.00
##                  Mean   :26.49
##                  3rd Qu.:33.00
##                  Max.   :89.00
```

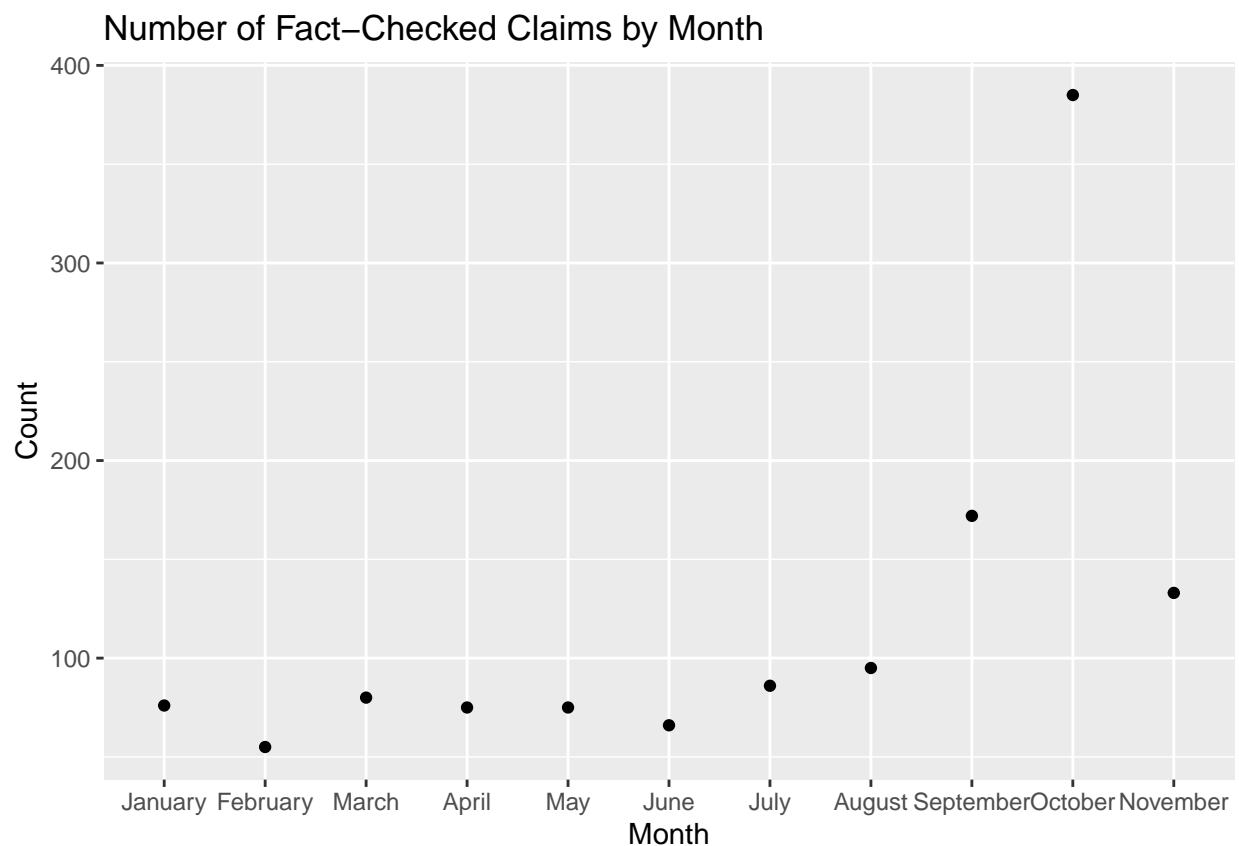


number of fact-checks by political/non-political type of claimant

```
## # A tibble: 2 x 2
## # Groups:   Type of Claimant [2]
##   'Type of Claimant'      n
##   <chr>                 <int>
## 1 Nonpolitical          377
## 2 Political             921
```

number of fact-checks by month of the year

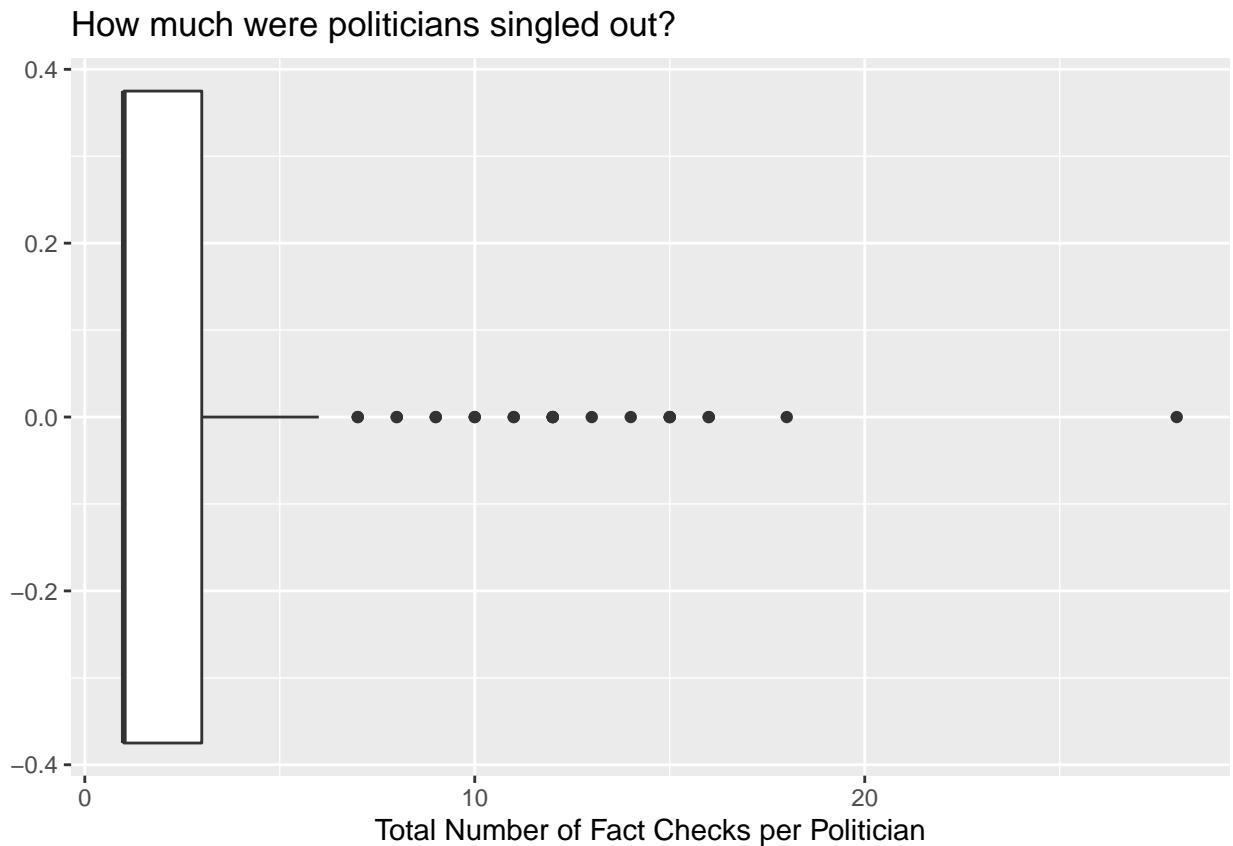
```
## # A tibble: 11 x 2
## # Groups:   Month [11]
##   Month      n
##   <fct>    <int>
## 1 January    76
## 2 February   55
## 3 March      80
## 4 April      75
## 5 May        75
## 6 June       66
## 7 July       86
## 8 August     95
## 9 September 172
## 10 October  385
## 11 November 133
```



number of fact-checks by politician (claimant name + politician as category)

```
## # A tibble: 234 x 2
## # Groups:   Claimant Name // (Claim Source?) [234]
##   'Claimant Name // (Claim Source?)'      n
##   <chr>                                <int>
## 1 Kim Reynolds                          28
## 2 Tudor Dixon                          18
## 3 Cindy Axne                           16
## 4 Ron Johnson                           16
## 5 Donald Trump                          15
## 6 Gretchen Whitmer                      15
## 7 Tony Evers                           15
## 8 Tim Michels                           14
## 9 Kari Lake                             13
## 10 Ashley Hinson                        12
## # ... with 224 more rows
```

```
## Claimant Name // (Claim Source?)      n
## Length:234                          Min.   : 1.000
## Class :character                     1st Qu.: 1.000
## Mode  :character                     Median : 1.000
##                                         Mean   : 2.944
##                                         3rd Qu.: 3.000
##                                         Max.   :28.000
```



number of fact-checks by re-occurring non-political types of claimant

```
## # A tibble: 3 x 2
## # Groups:   Claimant Name // (Claim Source?) [3]
##   'Claimant Name // (Claim Source?)'      n
##   <chr>                                <int>
## 1 Unknown social media user(s)          139
## 2 Viewer question                       108
## 3 You may have heard...                 58
```

number of fact-checks by incumbent seeking re-election (same office held as office sought)

```
## # A tibble: 90 x 2
## # Groups:   Claimant Name // (Claim Source?) [90]
##   'Claimant Name // (Claim Source?)'      n
##   <chr>                                <int>
## 1 Kim Reynolds                          28
## 2 Cindy Axne                           16
## 3 Ron Johnson                           16
## 4 Gretchen Whitmer                      15
## 5 Tony Evers                           15
## 6 Ashley Hinson                         12
## 7 Ron DeSantis                          12
## 8 Greg Abbott                           11
## 9 Chuck Grassley                        10
## 10 Kevin Stitt                           9
## # ... with 80 more rows
```

number of fact-checks by current officeholder (yes)

```
## # A tibble: 151 x 2
## # Groups:   Claimant Name // (Claim Source?) [151]
##   'Claimant Name // (Claim Source?)'      n
##   <chr>                                <int>
## 1 Kim Reynolds                          28
## 2 Cindy Axne                           16
## 3 Ron Johnson                           16
## 4 Gretchen Whitmer                      15
## 5 Tony Evers                           15
## 6 Ashley Hinson                         12
## 7 Ron DeSantis                          12
## 8 Greg Abbott                           11
## 9 Chuck Grassley                        10
## 10 Joe Biden                            10
## # ... with 141 more rows
```

number of fact-checks by running for office (yes)

```
## # A tibble: 200 x 2
## # Groups:   Claimant Name // (Claim Source?) [200]
##   'Claimant Name // (Claim Source?)'      n
##   <chr>                                <int>
## 1 Kim Reynolds                          28
## 2 Tudor Dixon                           18
```

```
## 3 Cindy Axne 16
## 4 Ron Johnson 16
## 5 Donald Trump 15
## 6 Gretchen Whitmer 15
## 7 Tony Evers 15
## 8 Tim Michels 14
## 9 Kari Lake 13
## 10 Ashley Hinson 12
## # ... with 190 more rows
```

number of fact-checks by office held

```
## # A tibble: 20 x 2
## # Groups:   Current Position [20]
##   'Current Position' n
##   <chr> <int>
## 1 Governor 137
## 2 U.S. Representative 93
## 3 State Legislator 73
## 4 U.S. Senator 61
## 5 State Attorney General 18
## 6 Mayor 11
## 7 President 10
## 8 County Official 6
## 9 State Political Party Chair 6
## 10 National Party Committee Member 4
## 11 State Secretary of State 4
## 12 Superintendent of Public Instruction 4
## 13 Lieutenant Governor 3
## 14 State Official 3
## 15 State Treasurer 3
## 16 National Party Chair 2
## 17 State Auditor 2
## 18 State Surgeon General 2
## 19 City Council Member 1
## 20 Sheriff 1
```

number of fact-checks by office sought

```
## # A tibble: 17 x 2
## # Groups:   Aspiring Position [17]
##   'Aspiring Position' n
##   <chr> <int>
## 1 Governor 280
## 2 U.S. Representative 123
## 3 U.S. Senator 107
## 4 State Legislator 34
## 5 State Attorney General 16
## 6 President 15
## 7 Superintendent of Public Instruction 8
## 8 State Official 7
## 9 State Treasurer 7
## 10 District Attorney 6
```

## 11 State Secretary of State	6
## 12 Mayor	4
## 13 State Auditor	2
## 14 State Political Party Chair	2
## 15 City Council Member	1
## 16 County Official	1
## 17 Lieutenant Governor	1

number of fact-checks by topic

##	V1
## INDIVIDUAL RECORD	580
## ECONOMIC ISSUES	261
## LAW AND CRIME AND POLICING	216
## LEGISLATION	188
## HEALTH	184
## VOTING/ELECTIONS	158
## ABORTION/WOMEN	123
## GOVERNMENT OPERATIONS	120
## EDUCATION	101
## ENERGY AND ENVIRONMENT	74
## IMMIGRATION AND REFUGEE ISSUES	41
## GUNS	39
## COMMUNITY DEVELOPMENT AND HOUSING	39
## RACE	29
## SOCIAL WELFARE	25
## LGBTQ	23
## HISTORY	22
## AGRICULTURE	20
## MEDIA AND COMMUNICATIONS	8
## CIVIL RIGHTS MINORITY ISSUES AND CIVIL LIBERTIES	2
## TECHNOLOGY SCIENCE SPACE	2
## RELIGION	1

##	Tag
## INDIVIDUAL RECORD	INDIVIDUAL RECORD
## ECONOMIC ISSUES	ECONOMIC ISSUES
## LAW AND CRIME AND POLICING	LAW AND CRIME AND POLICING
## LEGISLATION	LEGISLATION
## HEALTH	HEALTH
## VOTING/ELECTIONS	VOTING/ELECTIONS
## ABORTION/WOMEN	ABORTION/WOMEN
## GOVERNMENT OPERATIONS	GOVERNMENT OPERATIONS
## EDUCATION	EDUCATION
## ENERGY AND ENVIRONMENT	ENERGY AND ENVIRONMENT
## IMMIGRATION AND REFUGEE ISSUES	IMMIGRATION AND REFUGEE ISSUES
## GUNS	GUNS
## COMMUNITY DEVELOPMENT AND HOUSING	COMMUNITY DEVELOPMENT AND HOUSING
## RACE	RACE
## SOCIAL WELFARE	SOCIAL WELFARE
## LGBTQ	LGBTQ
## HISTORY	HISTORY
## AGRICULTURE	AGRICULTURE
## MEDIA AND COMMUNICATIONS	MEDIA AND COMMUNICATIONS
## CIVIL RIGHTS MINORITY ISSUES AND CIVIL LIBERTIES	CIVIL RIGHTS MINORITY ISSUES AND CIVIL LIBERTIES

## TECHNOLOGY SCIENCE SPACE  
## RELIGION

TECHNOLOGY SCIENCE SPACE  
RELIGION

number of fact-checks by state and topic

```
## # A tibble: 26 x 23
##   State      'INDIVIDUAL REC~ 'ECONOMIC ISSUE~ 'GOVERNMENT OPER~ 'VOTING/ELECTIO~
##   <chr>          <dbl>          <dbl>          <dbl>          <dbl>
## 1 Arizona             44             5             11             31
## 2 Californ~           5             11             2             1
## 3 Colorado            43             13             2             9
## 4 Connect~           4             4             0             1
## 5 Distric~           1             8             3             2
## 6 Florida            25             12             2             0
## 7 Georgia             4             9             2             4
## 8 Illinois            3             2             0             0
## 9 Iowa              110            41            19             9
## 10 Kansas              5             5             0             0
## # ... with 16 more rows, and 18 more variables:
## #   CIVIL RIGHTS MINORITY ISSUES AND CIVIL LIBERTIES <dbl>,
## #   IMMIGRATION AND REFUGEE ISSUES <dbl>, LGBTQ <dbl>, RACE <dbl>,
## #   RELIGION <dbl>, SOCIAL WELFARE <dbl>, EDUCATION <dbl>,
## #   ABORTION/WOMEN <dbl>, HEALTH <dbl>, LAW AND CRIME AND POLICING <dbl>,
## #   GUNS <dbl>, HISTORY <dbl>, LEGISLATION <dbl>, AGRICULTURE <dbl>,
## #   ENERGY AND ENVIRONMENT <dbl>, COMMUNITY DEVELOPMENT AND HOUSING <dbl>, ...
```

number of fact-checks by state and topic

```
## # A tibble: 3 x 23
##   'INDIVIDUAL RECORD' 'ECONOMIC ISSUES' 'GOVERNMENT OPERATIONS' 'VOTING/ELECTIO~
##   <dbl>          <dbl>          <dbl>          <dbl>          <dbl>
## 1             375             156             80             52
## 2             145             50             12             24
## 3             580            261            120            158
## # ... with 19 more variables:
## #   CIVIL RIGHTS MINORITY ISSUES AND CIVIL LIBERTIES <dbl>,
## #   IMMIGRATION AND REFUGEE ISSUES <dbl>, LGBTQ <dbl>, RACE <dbl>,
## #   RELIGION <dbl>, SOCIAL WELFARE <dbl>, EDUCATION <dbl>,
## #   ABORTION/WOMEN <dbl>, HEALTH <dbl>, LAW AND CRIME AND POLICING <dbl>,
## #   GUNS <dbl>, HISTORY <dbl>, LEGISLATION <dbl>, AGRICULTURE <dbl>,
## #   ENERGY AND ENVIRONMENT <dbl>, COMMUNITY DEVELOPMENT AND HOUSING <dbl>, ...
```

number of fact-checks by definitive rating

```
## # A tibble: 2 x 2
## # Groups:   Was a Definitive Rating Given? [2]
##   'Was a Definitive Rating Given?'      n
##   <chr>          <int>
## 1 No             12
## 2 Yes          1286
```

number of fact-checks by source of statement



```
## # A tibble: 7 x 2
## # Groups:   Source of Statement [7]
##   'Source of Statement'      n
##   <chr>                    <int>
## 1 Social Media              390
## 2 Advertisement            361
## 3 Written Statement         193
## 4 Speech/Remarks           151
## 5 Debate                    112
## 6 N/A                       50
## 7 Interview/TV Appearance    41
```

number of fact-checks by fact-check format

```
## # A tibble: 4 x 2
## # Groups:   Fact-Check Format [4]
##   'Fact-Check Format'      n
##   <chr>                  <int>
## 1 Article                762
## 2 Video + Article        416
## 3 Video                   66
## 4 Audio + Article        54
```

what percentage had multiple claims?

```
##           n
## 1 13.32634
```