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
```

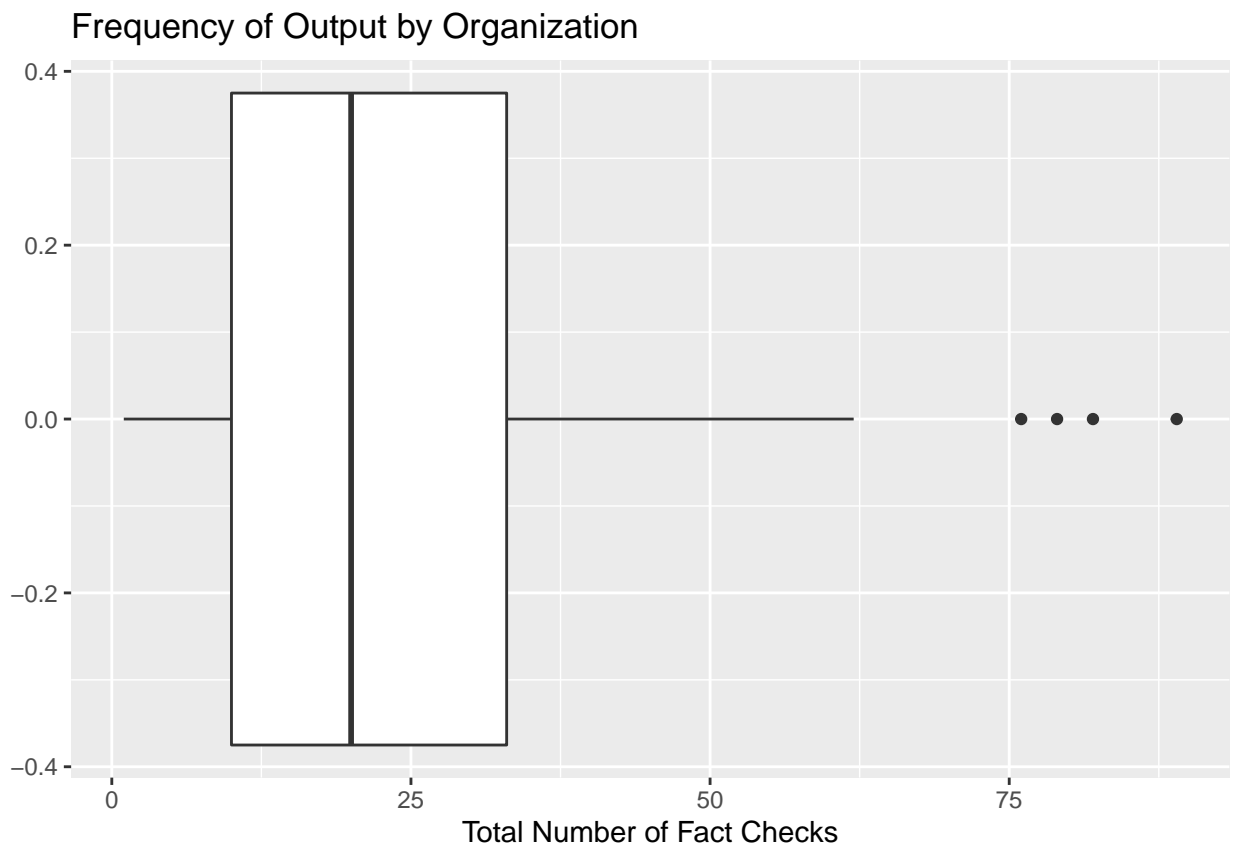number of fact-checks by state

```
## # 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
```


Frequency of Output by Organization

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–Checked Claims by Month
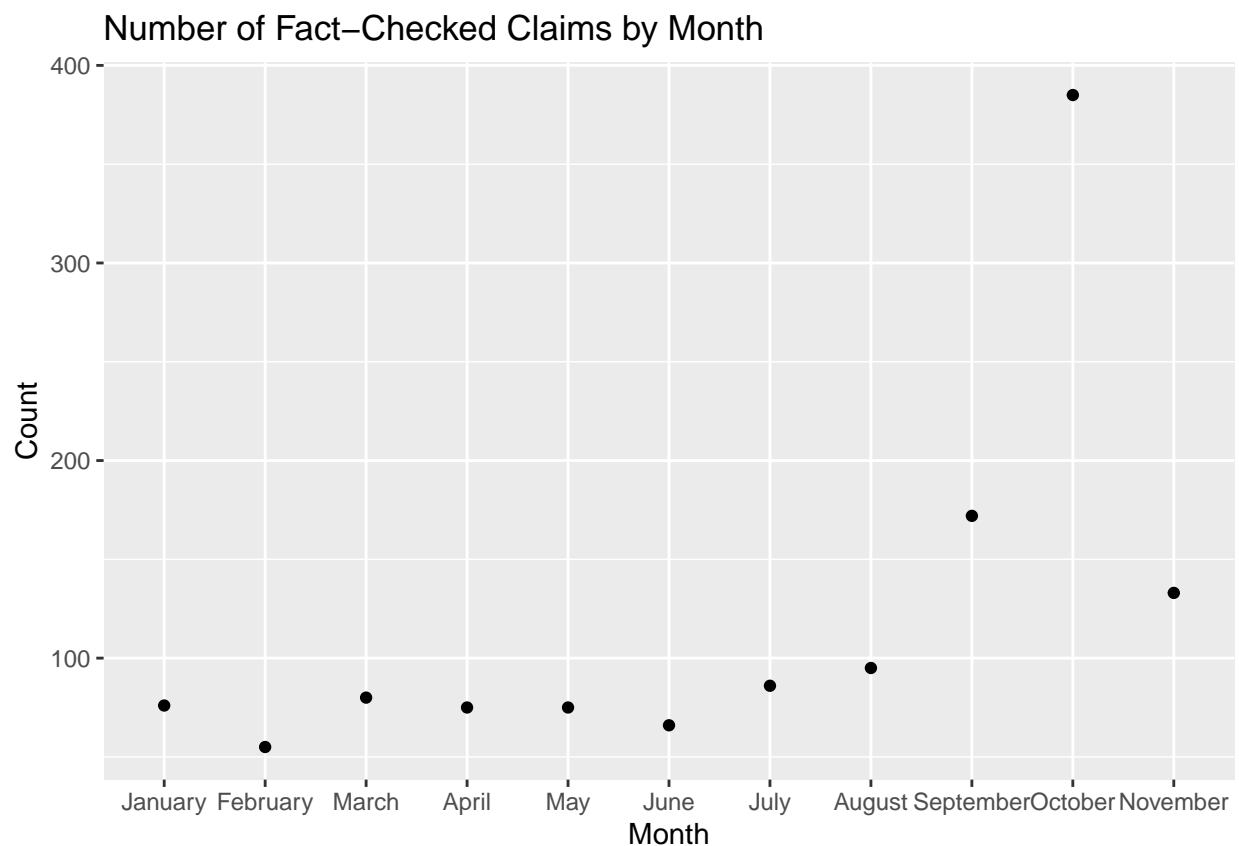
number of fact-checks by politician (claimant name + politician as category)

```
## # 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
```
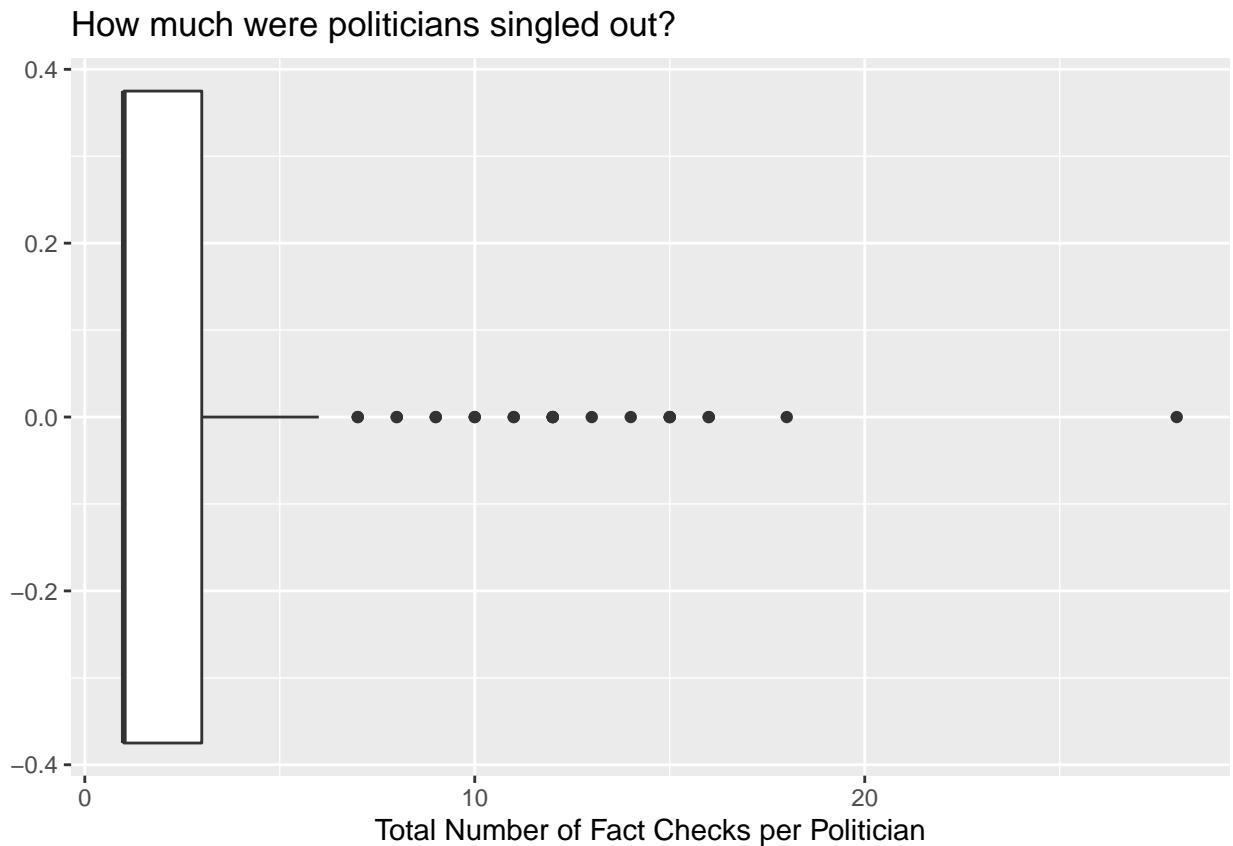

number of fact-checks by re-occurring non-political types of claimant

```
## # 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
```

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 Califor~                  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>
## 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
```

number of distinctfact-checks by fact-check format

```
## # A tibble: 4 x 2
## # Groups:   Fact-Check Format [4]
##   `Fact-Check Format`     n
##   <chr>               <int>
## 1 Article               585
## 2 Video + Article       310
## 3 Video                  30
## 4 Audio + Article        28
```

what percentage had multiple claims?

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