

PolitiFact Analysis

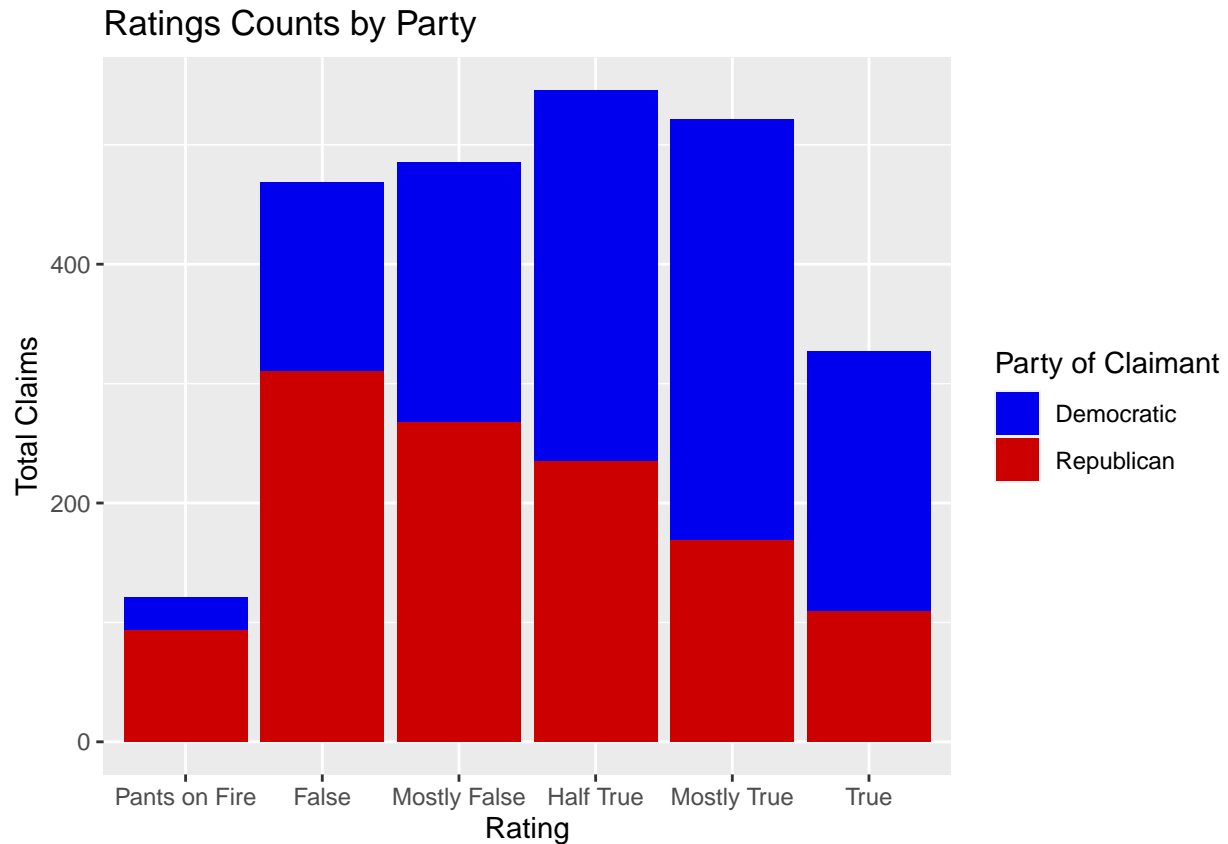
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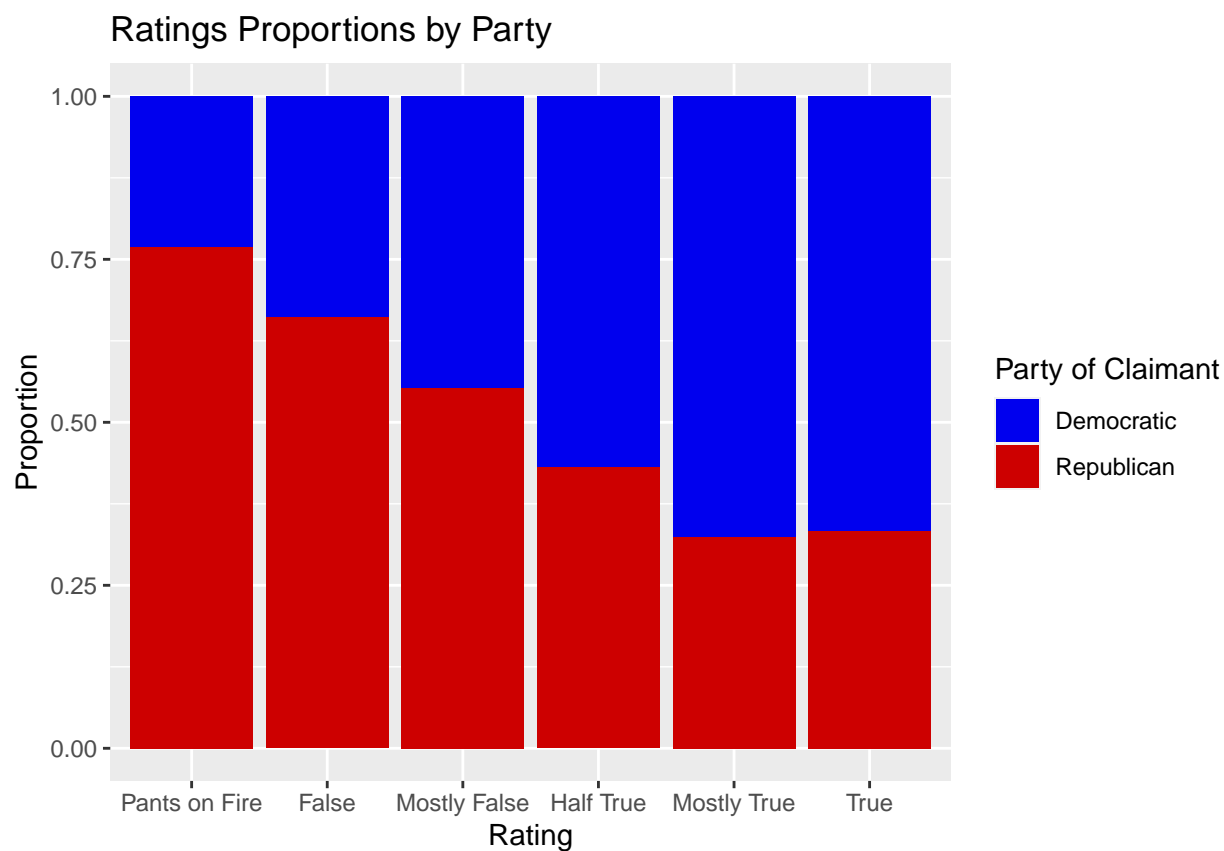
Having cleaning, sorted, and tagged all of our data, we conducted some initial data analysis to answer some of our research questions.

Which Party Lies More?

Our first research question was relatively simple. While it is an impossible question to answer definitively, we decided to look at each rating tier and see the breakdown by party to get a sense of which party receives more false ratings.



To account for the different samples sizes, we also viewed the data proportionally. Here we can see that Republican claimants are responsible for over 76.9% of the Pants on Fire claims, 66% of False claims, and 55.2% of Mostly False claims. Democrats have a majority of truthful claims responsible for 57% of the Half True claims, 67.6% of the Mostly True claims, and 66.7% of True claims.



Below are the counts of claims by party and textual Rating

Table 1: Fact-checks per rating by Party

| textualRating | Democratic | Republican | Total |
|---------------|------------|------------|-------|
| Pants on Fire | 28 | 93 | 121 |
| False | 159 | 310 | 469 |
| Mostly False | 217 | 268 | 485 |
| Half True | 311 | 235 | 546 |
| Mostly True | 352 | 169 | 521 |
| True | 218 | 109 | 327 |

Severity within Party

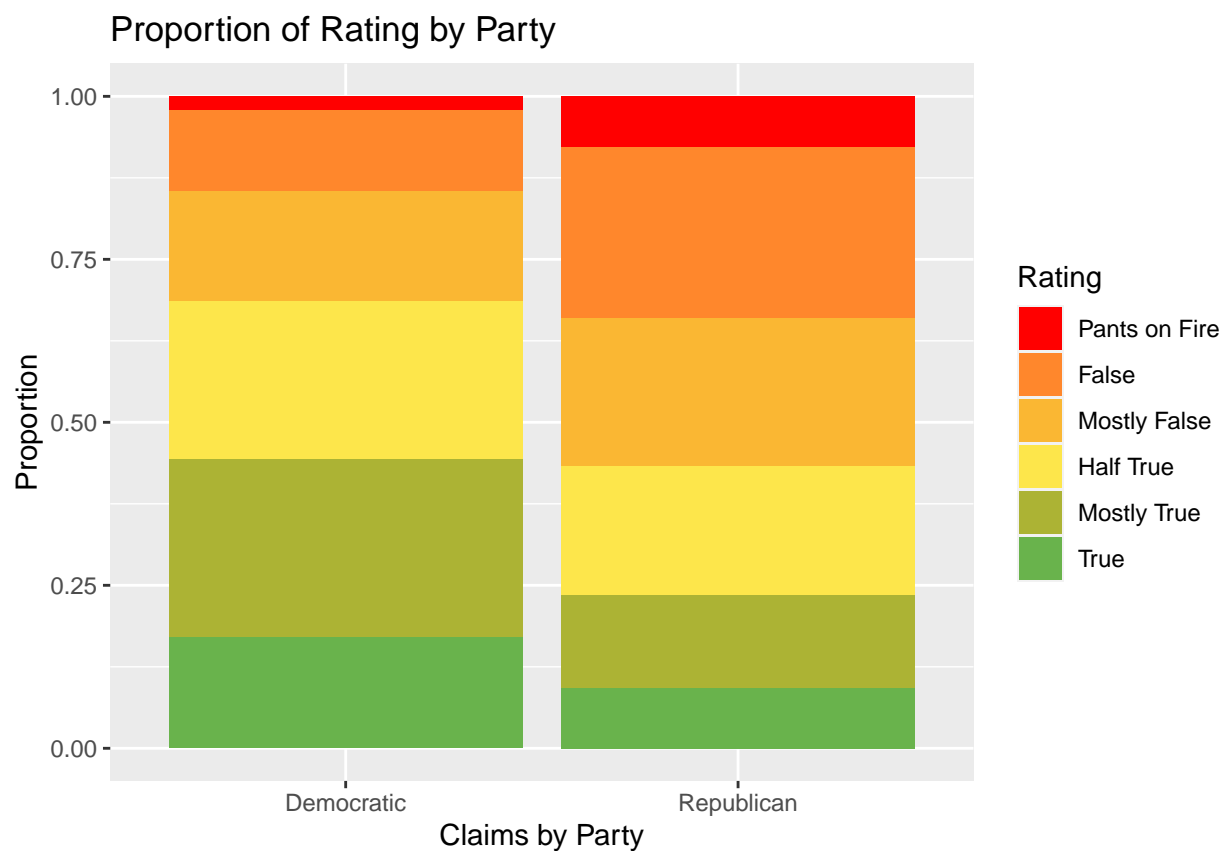


Table 2: Percentage of Claims by Textual Rating

| textualRating | Democratic | Republican | Total |
|---------------|------------|------------|-------|
| Pants on Fire | 2.2 | 7.9 | 4.9 |
| False | 12.4 | 26.2 | 19.0 |
| Mostly False | 16.9 | 22.6 | 19.6 |
| Half True | 24.2 | 19.8 | 22.1 |
| Mostly True | 27.4 | 14.3 | 21.1 |
| True | 17.0 | 9.2 | 13.2 |

Table 3: Macro Subject Tag Counts

| | Democratic | Republican | Total |
|----------------------------|------------|------------|-------|
| Fear | 90 | 208 | 298 |
| Legislation | 67 | 120 | 187 |
| Self/Personal Record | 63 | 69 | 132 |
| Opponent/Opponent's Record | 153 | 287 | 440 |

Table 4: Microtag Subject Counts and Percentages by Party

| MicroTag | DemocratCount | RepublicanCount | TotalCount | DemocratPercentage | RepublicanPercentage | PercentDisparity |
|--|---------------|-----------------|------------|--------------------|----------------------|------------------|
| Labor and Employment | 48 | 38 | 86 | 11.88 | 5.66 | -6.22 |
| Economic Well-Being and Domestic Commerce | 48 | 41 | 89 | 11.88 | 6.11 | -5.77 |
| Education | 33 | 28 | 61 | 8.17 | 4.17 | -4.00 |
| Guns | 31 | 25 | 56 | 7.67 | 3.73 | -3.95 |
| Race | 20 | 13 | 33 | 4.95 | 1.94 | -3.01 |
| Taxes | 38 | 47 | 85 | 9.41 | 7.00 | -2.40 |
| Foreign Trade | 13 | 9 | 22 | 3.22 | 1.34 | -1.88 |
| Health (non-care) | 43 | 59 | 102 | 10.64 | 8.79 | -1.85 |
| Record/Candidate Biography/ Campaigns and Personal Behavior | 181 | 295 | 476 | 44.80 | 43.96 | -0.84 |
| Women | 10 | 12 | 22 | 2.48 | 1.79 | -0.69 |
| Agriculture | 5 | 7 | 12 | 1.24 | 1.04 | -0.19 |
| Community Development and Housing | 8 | 13 | 21 | 1.98 | 1.94 | -0.04 |
| Media and Communications | 11 | 20 | 31 | 2.72 | 2.98 | 0.26 |
| Healthcare | 32 | 55 | 87 | 7.92 | 8.20 | 0.28 |
| National and State Macroeconomic Issues | 12 | 22 | 34 | 2.97 | 3.28 | 0.31 |
| LGBTQ | 4 | 11 | 15 | 0.99 | 1.64 | 0.65 |
| Civil Rights, Minority Issues, and Civil Liberties | 18 | 35 | 53 | 4.46 | 5.22 | 0.76 |
| Transportation | 6 | 16 | 22 | 1.49 | 2.38 | 0.90 |
| Defense/Military | 21 | 41 | 62 | 5.20 | 6.11 | 0.91 |
| Technology Science Space | 9 | 24 | 33 | 2.23 | 3.58 | 1.35 |
| Social Welfare | 34 | 67 | 101 | 8.42 | 9.99 | 1.57 |
| Energy | 7 | 23 | 30 | 1.73 | 3.43 | 1.70 |
| Religion | 2 | 15 | 17 | 0.50 | 2.24 | 1.74 |
| Abortion | 3 | 19 | 22 | 0.74 | 2.83 | 2.09 |
| Government Operations | 66 | 125 | 191 | 16.34 | 18.63 | 2.29 |
| Terrorism | 11 | 34 | 45 | 2.72 | 5.07 | 2.34 |
| History | 20 | 49 | 69 | 4.95 | 7.30 | 2.35 |
| Environment | 9 | 32 | 41 | 2.23 | 4.77 | 2.54 |
| International_affairs and Foreign Aid | 31 | 75 | 106 | 7.67 | 11.18 | 3.50 |
| Voting/Elections | 27 | 72 | 99 | 6.68 | 10.73 | 4.05 |
| Law and Crime and Policing | 40 | 101 | 141 | 9.90 | 15.05 | 5.15 |
| Immigration and Refugee Issues | 22 | 84 | 106 | 5.45 | 12.52 | 7.07 |