

US Military Strikes, 1966

2024-09-27

To DO:

- clean up state maps. state_strike_summary is dropping states (e.g., Georgia). Plan: create separate state column, using either lat and long or location column (via regex)
- rewrite intro to get conflict with BLS data to top

This document provides cursory descriptive statistics on work stoppages in the United States for the year 1966. The data for this project is drawn from archival documents that were generated by the Labor Relations staff at the Detroit Tank Arsenal (DTA).

The year 1966 is an interesting and important year regarding work stoppages within the military industrial complex. The archival holdings of the DTA's Labor Relations staff demonstrate a ten-fold increase in strike activity from the years 1963 and '64 on one side (1965 is missing from the archives) and 1966 on the other.

Furthermore, the data found in this document turns our current picture of 1960s military industry labor on its head. Under "Ordnance and accessories," The Bureau of Labor Statistics Work Stoppage Analysis for the year 1966 lists only thirteen strikes involving 8680 workers and 62,500 worker-hours lost. The DTA Labor Relations documents demonstrate work stoppages on a much wider scale: around eight times as many strikes involving five times as many workers.

Because of limitations to the DTA Labor Relations data, this is only the short glimpse of the much deeper and broader picture of US labor unrest during the Vietnam War.

This finding allows us to begin understanding the social and political economic effects of the Johnson administration's decision to intensify military involvement in Vietnam and begin folding this new understanding into the wider history of wartime political economy and labor history in the twentieth century US.

Table 1: Total Events and Total Workers Involved

Total_Events	Total_Workers
102	46264

Table 2: Count of Observations by Type

Type	count
authorized strike	75
potential strike (averted)	7
wildcat strike	20

Table 3: Summary of Total Strikes, Total Strikers, and Total Work-days Lost to both Authorized and Wildcat Strikes

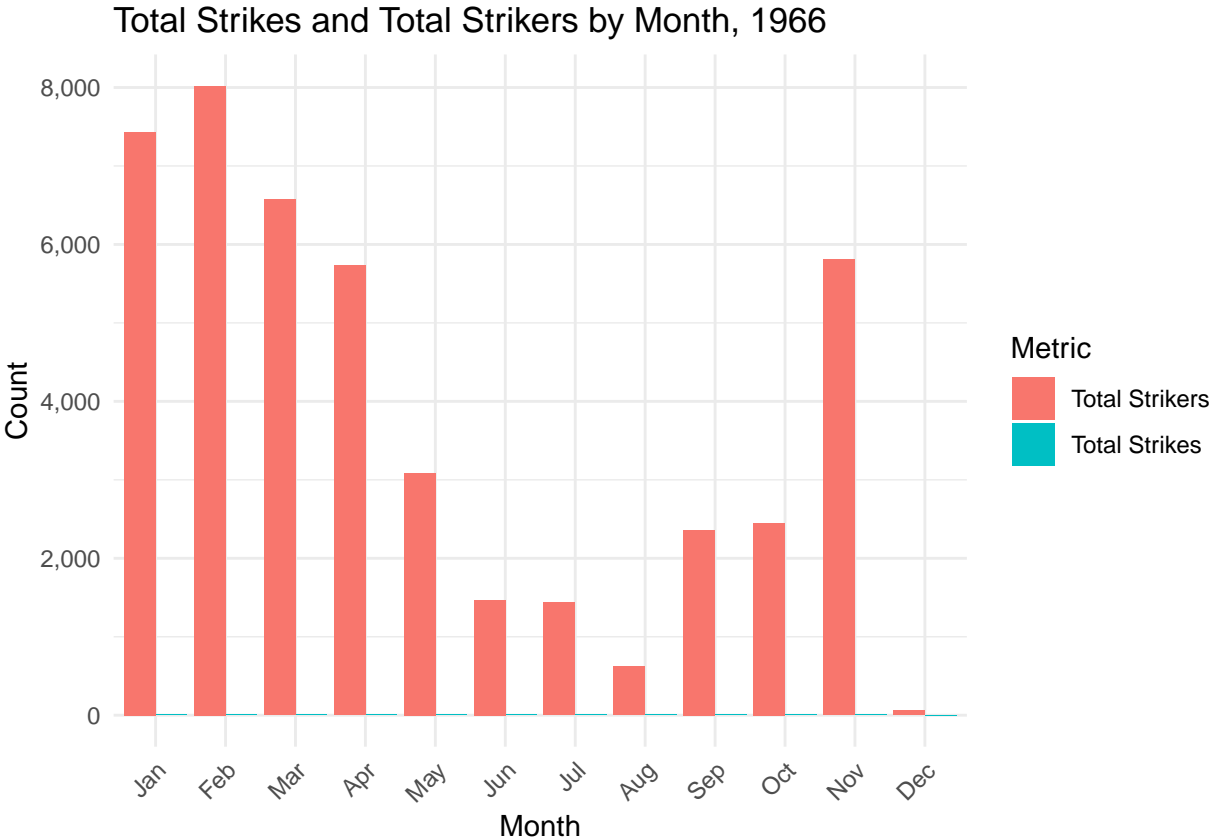
total_strikes	total_strikers	worker_days_lost
95	45,052	785,989

Table 4: More Summary

mean_strikes	median_strikes	sd_strikes	min_strikes	max_strikes	mean_length	median_length	min_length	max_length
776.7586	311	1034.388	3	5200	25.84783	13.5	0	183

Table 5: Total Strikes and Total Strikers by Month, 1966

Metric	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total Strikes	6	9	10	10	6	12	10	7	8	8	6	3
Total Strikers	7433	8020	6574	5732	3089	1468	1433	623	2360	2452	5808	60



Rustbelt Strikes

A tibble: 13 x 2

```
##      State      total_strikers
##      <chr>      <dbl>
##  1 alabama      65
##  2 california   1456
##  3 connecticut  4000
##  4 illinois     5082
##  5 indiana      9245
##  6 kentucky     3400
##  7 michigan:south 3444
##  8 minnesota    675
##  9 new york:main 1380
## 10 ohio         10483
## 11 pennsylvania 690
## 12 washington:main 184
## 13 wisconsin    2410
```

```
# Create an interactive leaflet map
leaflet(data = strike_clean) %>%
  addTiles() %>%
  addCircleMarkers(~longitude, ~latitude, popup = ~paste("City:", Location, "<br>",
                                                         "Type:" , Type, "<br>",
                                                         "Length:", strike_length, "days"),
                  radius = 5, color = "red", stroke = FALSE, fillOpacity = 0.5)%>%
  addLegend("bottomright", pal = colorFactor("red", domain = NULL), values = NULL, title = "US Military
```

```
## Warning in validateCoords(lng, lat, funcName): Data contains 5 rows with either
## missing or invalid lat/lon values and will be ignored
```

What cities are in the data?

Table 6: Number of 1-Strike Cities

num_cities_once
65

Table 7: Top 10 Cities by Number of Strikes

Location	total_strikes	total_strikers
Detroit, Michigan	5	350
Lima, Ohio	4	2029
Chicago, Illinois	3	2413
Dayton, Ohio	3	600
Milwaukee, Wisconsin	3	450
Akron, Ohio	2	1600
Buffalo, New York	2	150
Elyria, Ohio	2	0
Fort Wayne, Indiana	2	1065

Location	total_strikes	total_strikers
San Jose, California	2	1219

Table 8: Top 10 Cities by Number of Strikers

Location	total_strikes	total_strikers
Columbus, Indiana	1	5200
Stratford, Connecticut	1	4000
Newark, Ohio	1	2500
Chicago, Illinois	3	2413
Northlake, Illinois	1	2105
Lima, Ohio	4	2029
Marion, Indiana	1	1839
Akron, Ohio	2	1600
Columbus, Ohio	1	1350
Milwaukee, Wisconsin	1	1250

Table 9: Summary of Strikes and Employees on Strike by City

Location	total_strikes	total_strikers
Columbus, Indiana	1	5200
Stratford, Connecticut	1	4000
Newark, Ohio	1	2500
Chicago, Illinois	3	2413
Northlake, Illinois	1	2105
Lima, Ohio	4	2029
Marion, Indiana	1	1839
Akron, Ohio	2	1600
Columbus, Ohio	1	1350
Milwaukee, Wisconsin	1	1250
San Jose, California	2	1219
Horseheads, New York	1	1200
Kalamazoo, Michigan	1	1130
Warren, Michigan	1	1100
Fort Wayne, Indiana	2	1065
Wausau, Wisconsin	1	680
Minneapolis, Minnesota	1	675
Dayton, Ohio	3	600
Kent, Ohio	1	550
Maple Heights, Ohio	1	512
Evansville, Indiana	1	500
Lebanon, Pennsylvania	1	500
Princeton, Indiana	1	451
Milwaukee, Wisconsin	3	450
Detroit, Michigan	5	350
Manistee, Michigan	1	320
Mattoon, Illinois	1	302
Rock Falls, Illinois	1	262
Coldwater, Michigan	1	217
Springfield, Ohio	1	217

Location	total_strikes	total_strikers
Delphos, Ohio	1	210
Galion, Ohio	1	200
Jeannette, Pennsylvania	1	190
Renton, Washington	1	184
Buffalo, New York	2	150
Cincinnati, Ohio	1	135
Traverse City, Michigan	1	135
Hayward, California	1	134
Lansing, Michigan	1	120
Claremont, California	1	100
Toledo, Ohio	1	80
Wisconsin Dells, Wisconsin	1	80
Anniston, Alabama	1	65
Oak Park, Michigan	1	50
Long Island, New York	1	30
Livonia, Michigan	1	22
Alameda, California	1	3
Elyria, Ohio	2	0
Tulsa, Oklahoma	2	0
Atlanta, Georgia	1	0
Bucyrus, Ohio	1	0
California	1	0
Carrollton, Texas	1	0
Charleston, West Virginia	1	0
Cleveland, Ohio	1	0
Edison, New Jersey	1	0
Elba, Alabama	1	0
Elmira, New York	1	0
Erie, Pennsylvania	1	0
Fostoria, Ohio	1	0
Fullerton, California	1	0
Highland, Illinois	1	0
LaPorte, Indiana	1	0
Louisville, Kentucky	1	0
Lynn, Massachusetts & Everett, Massachusetts	1	0
Massillon, Ohio	1	0
New Haven, Connecticut	1	0
Oshkosh, Wisconsin	1	0
Pontiac, Michigan	1	0
Port Huron, Michigan	1	0
Roseville, Michigan	1	0
South Bend, Indiana	1	0
St Marys, Ohio	1	0
St Paul, Minnesota	1	0
Troy, New York	1	0
Watertown, New York	1	0