Polling analysis

Sima Biondi

2022-05-28

Load data

Clean data

Prep for merge

```
## `summarise()` has grouped output by 'QuestionTxt', 'AntitrustDirectionCombo',
## 'questionType'. You can override using the `.groups` argument.
```

Analysis

Linear regression

Report

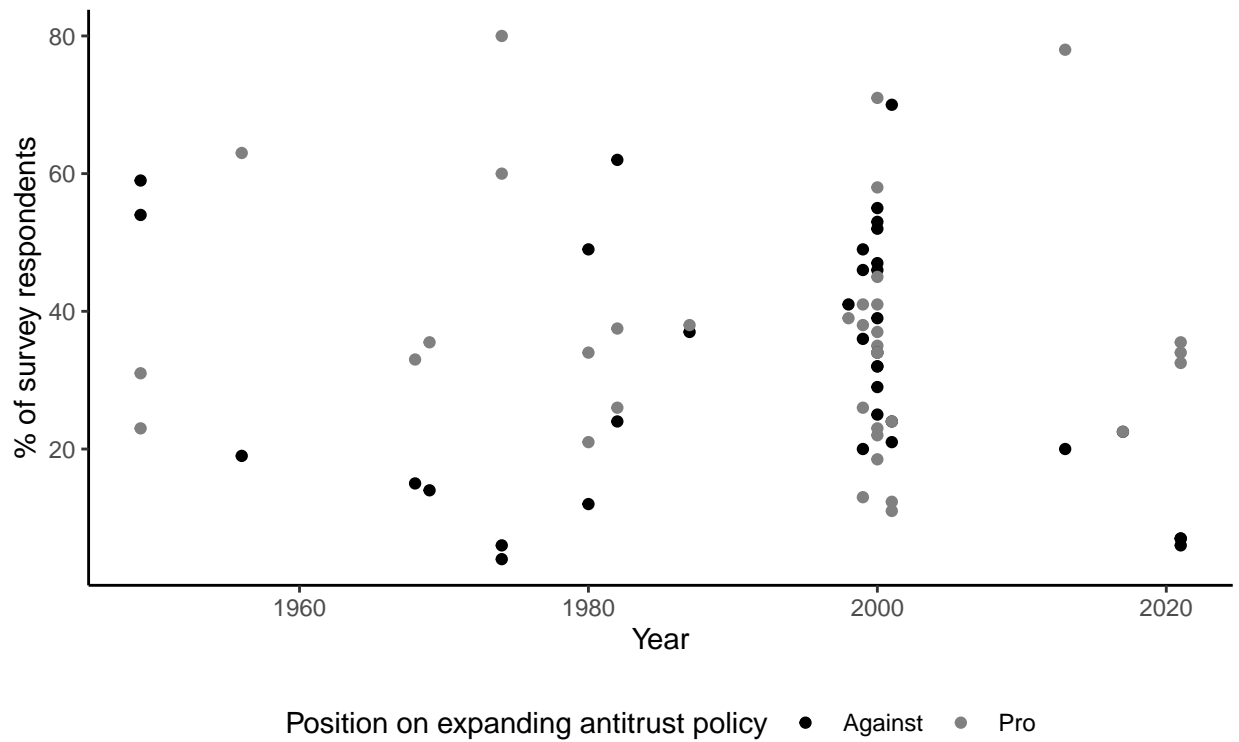### Raw data

Df

List of questions

Antitrust policy

```
## NULL
```

Public confidence in big business (Gallup series)
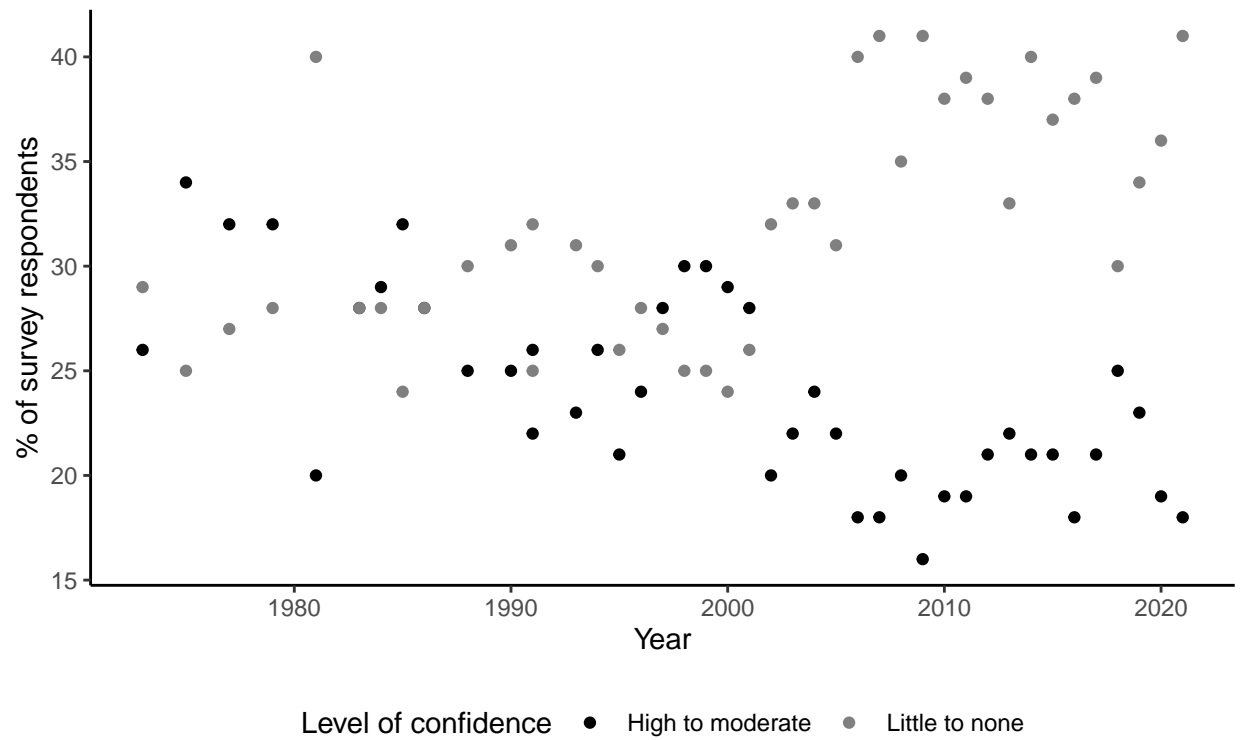
```
## NULL
```

Corporate influence in DC

```
## NULL
```

Public support for expanding antitrust policy

Position on expanding antitrust policy ● Against ● Pro

Source: Roper Center for Public Opinion Research

Public confidence in big business

% of survey respondents

Year

Level of confidence ● High to moderate ● Little to none

Source: Gallup– Confidence in Institutions

Public opinion on big companies' level of power and influence in DC
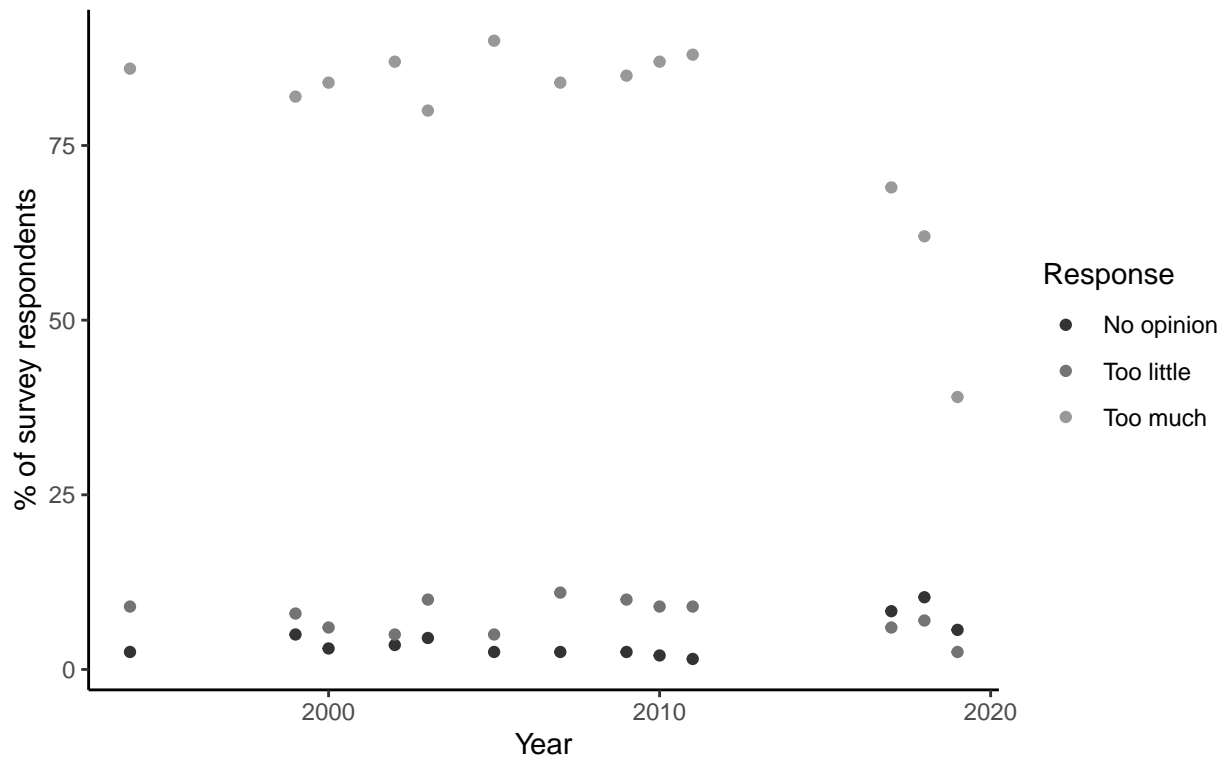
Source: Roper Center

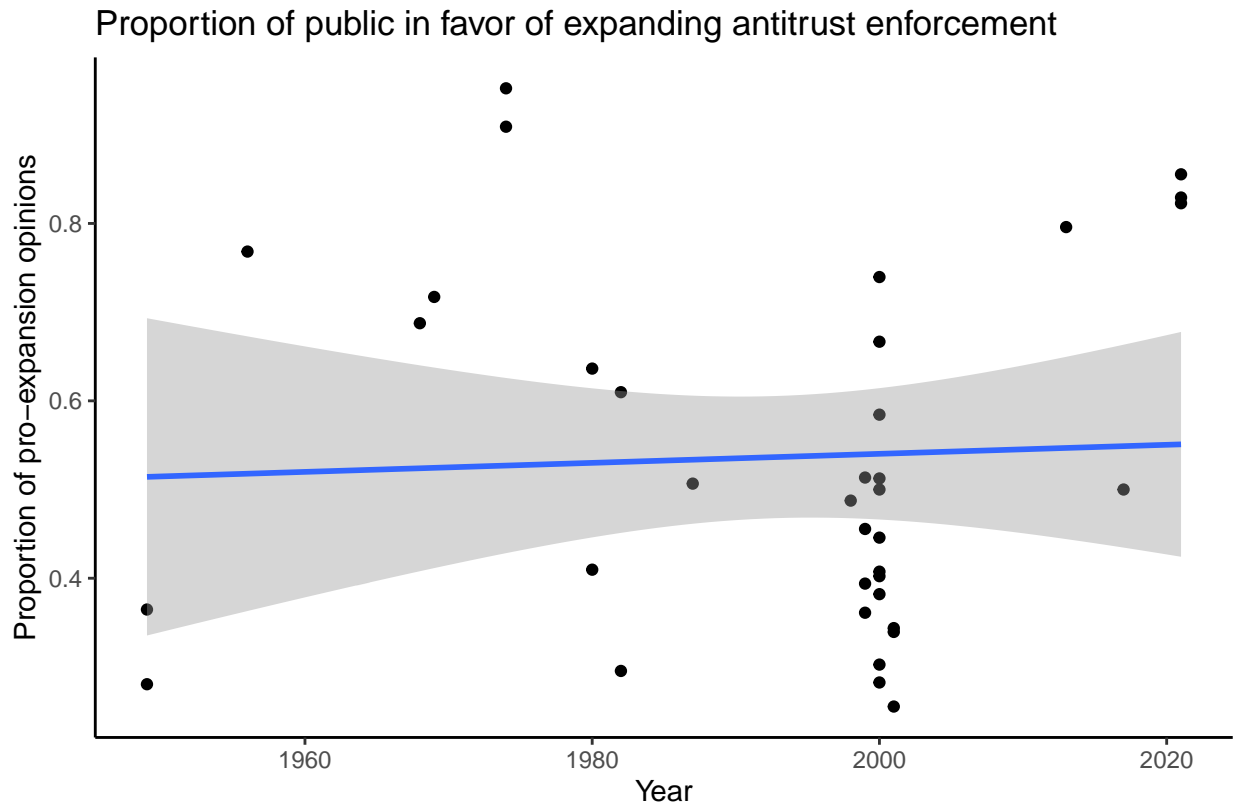**Antitrust opinions over time**

Graph

```
## `geom_smooth()` using formula 'y ~ x'
```

Proportion of survey respondents in favor of expanding antitrust enforcement

Source: Roper Center for Public Opinion Research
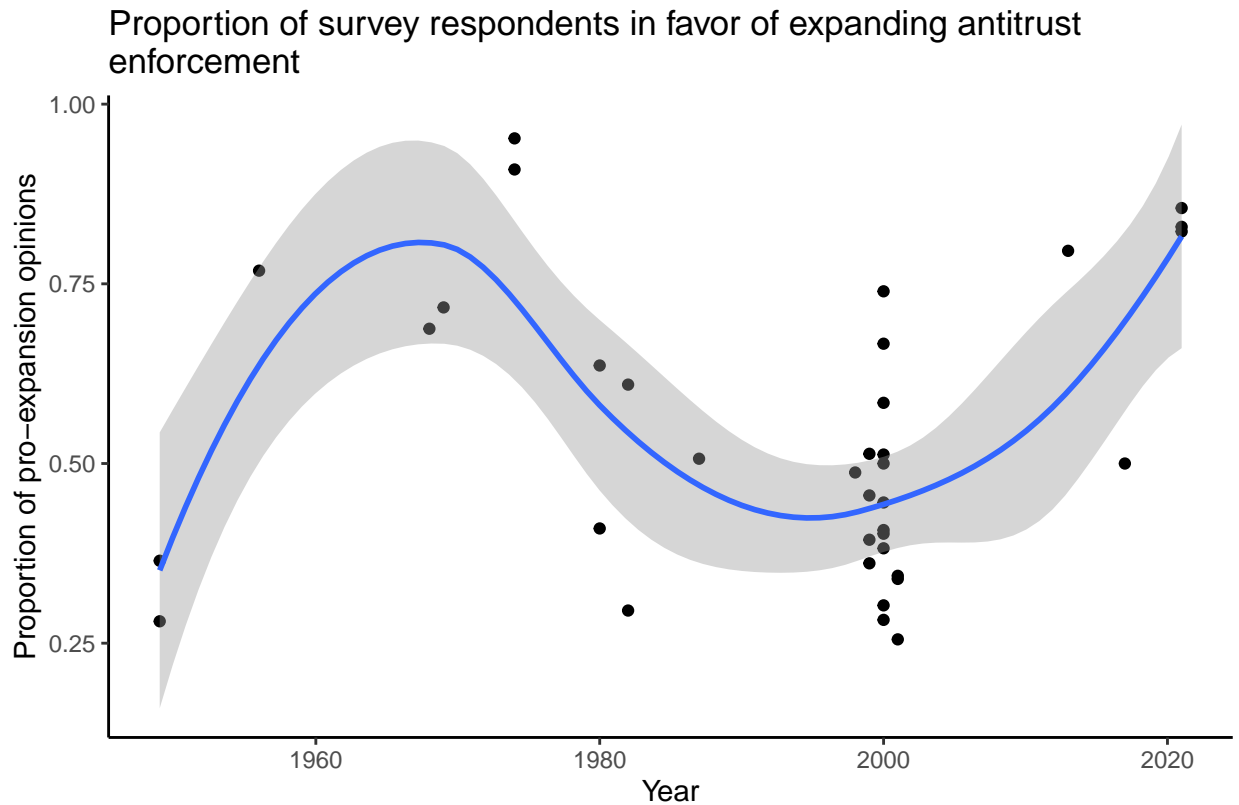
```
## Saving 6.5 x 4.5 in image
## `geom_smooth()` using formula 'y ~ x'
```

Linear regression

```
##
## Call:
## lm(formula = proportionPro ~ year, data = dfRoper_lm)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.28544 -0.15175 -0.04458  0.17083  0.42536
##
## Coefficients:
##               Estimate Std. Error t value Pr(>|t|)
## (Intercept) -0.4779888  3.6976479  -0.129    0.898
## year         0.0005091  0.0018554   0.274    0.785
##
## Residual standard error: 0.2033 on 34 degrees of freedom
## Multiple R-squared:  0.00221,    Adjusted R-squared:  -0.02714
## F-statistic: 0.07529 on 1 and 34 DF,  p-value: 0.7854

## `geom_smooth()` using formula 'y ~ x'
```

Proportion of public in favor of expanding antitrust enforcement

Source: Roper Center for Public Opinion Research

```
## Saving 6.5 x 4.5 in image
## `geom_smooth()` using formula 'y ~ x'
```

Confidence in big business as an insitution and the public's opinion about business's power

Confidence in big business

```
## `geom_smooth()` using formula 'y ~ x'
```

Public confidence in big business

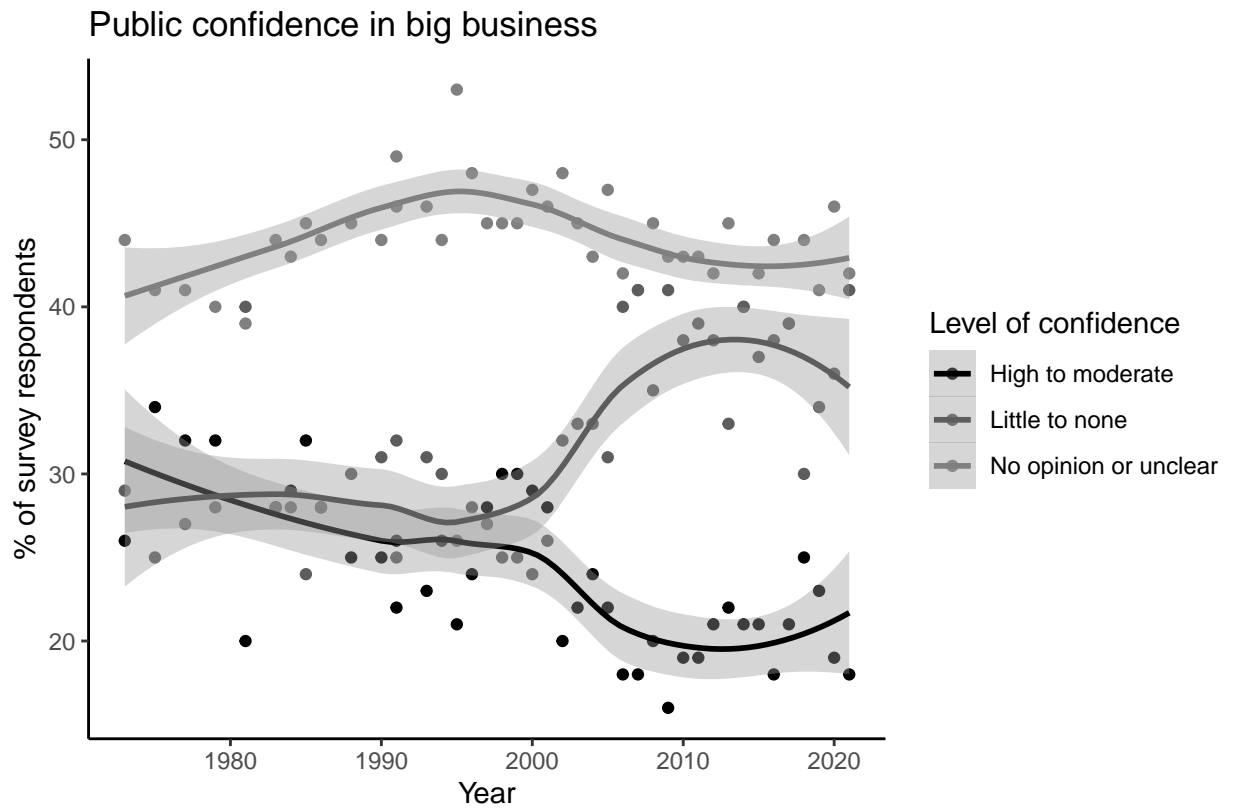**Level of confidence** ━●━ High to moderate ━●━ Little to none
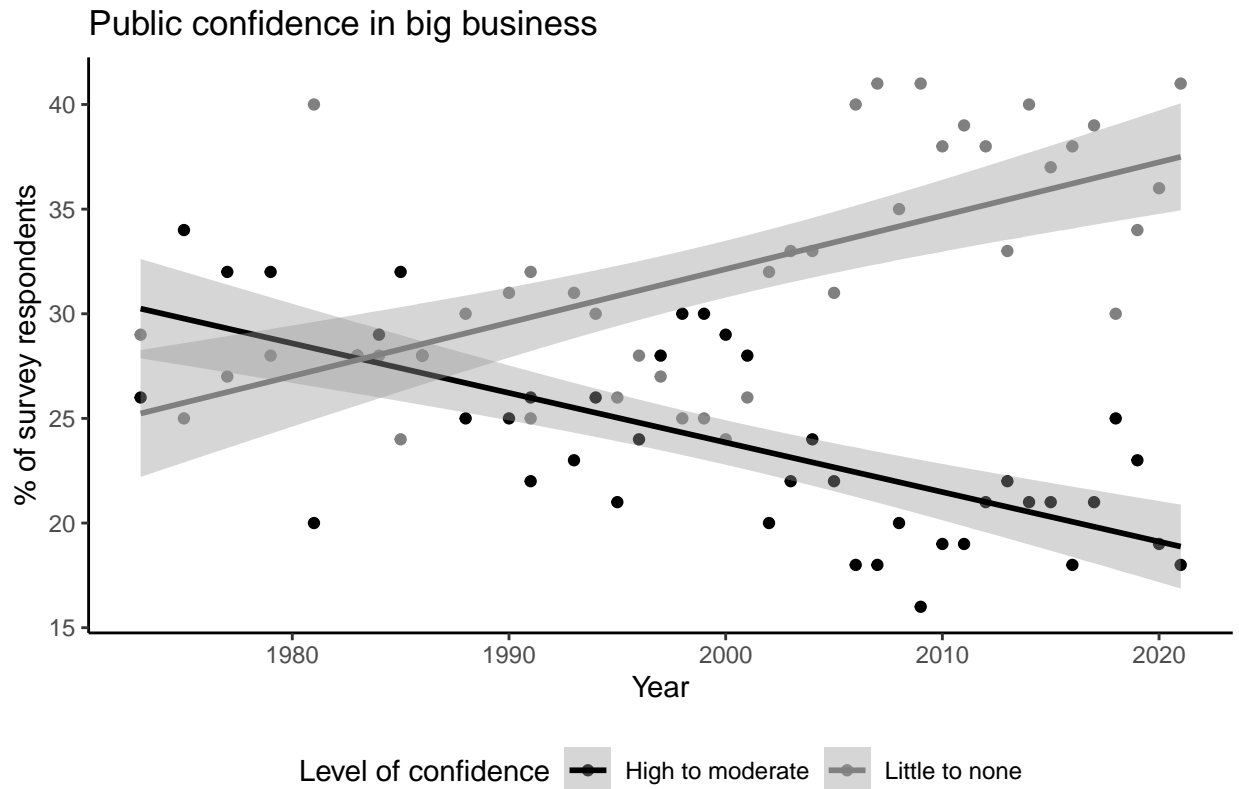
Source: Gallup– Confidence in Institutions

```
## Saving 6.5 x 4.5 in image
## `geom_smooth()` using formula 'y ~ x'

## # A tibble: 6 x 6
##    year QuestionID     AntitrustDirect~ RespPct questionType
##   <int> <chr>          <chr>              <int> <chr>
## 1  1983 confidence in~ anti                  28 Gallup
## 2  1983 confidence in~ ambig                 44 Gallup
## 3  1983 confidence in~ pro                   28 Gallup
## 4  1981 confidence in~ anti                  20 Gallup
## 5  1981 confidence in~ ambig                 39 Gallup
## 6  1981 confidence in~ pro                   40 Gallup
## # ... with 1 more variable: QuestionTxt <chr>

##
## Call:
## lm(formula = RespPct ~ year, data = filter(dfBigBusiness_m, AntitrustDirectionCombo ==
##     "anti"))
##
## Residuals:
##     Min     1Q  Median      3Q     Max
## -8.3494 -2.1985  0.0056  2.3678  5.9135
##
## Coefficients:
##             Estimate Std. Error t value Pr(>|t|)
## (Intercept) 497.5058    78.7909   6.314 1.71e-07 ***
## year         -0.2368     0.0394  -6.011 4.57e-07 ***
## ---
```

```
## Signif. codes:
## 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 3.413 on 40 degrees of freedom
## Multiple R-squared:  0.4746, Adjusted R-squared:  0.4614
## F-statistic: 36.13 on 1 and 40 DF,  p-value: 4.566e-07

## `geom_smooth()` using method = 'loess' and formula 'y ~ x'
```
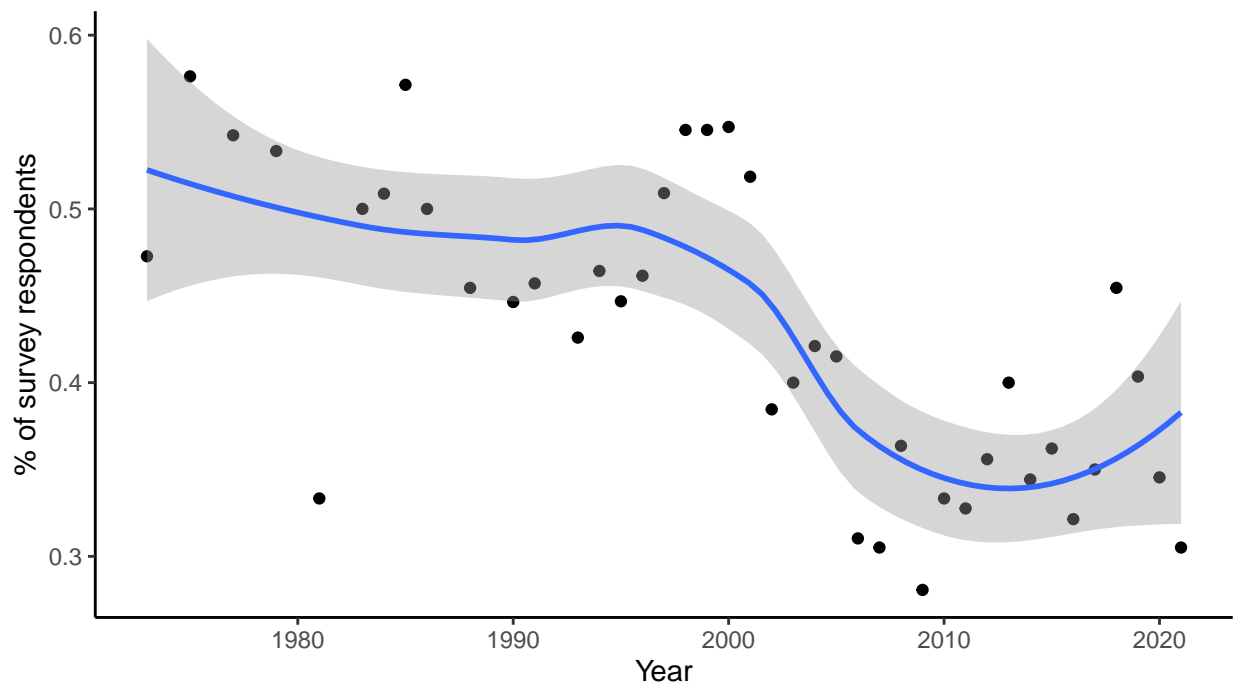

line-1.pdf

```
## `geom_smooth()` using formula 'y ~ x'
```

Public confidence in big business

Proportion of survey respondents with high to moderate confidence in big business as a proportion of opininated respondents

Source: Gallup– Confidence in Institutions

Antitrust opinions, trust in business and business's power in DC

```
## `geom_smooth()` using method = 'loess' and formula 'y ~ x'
```

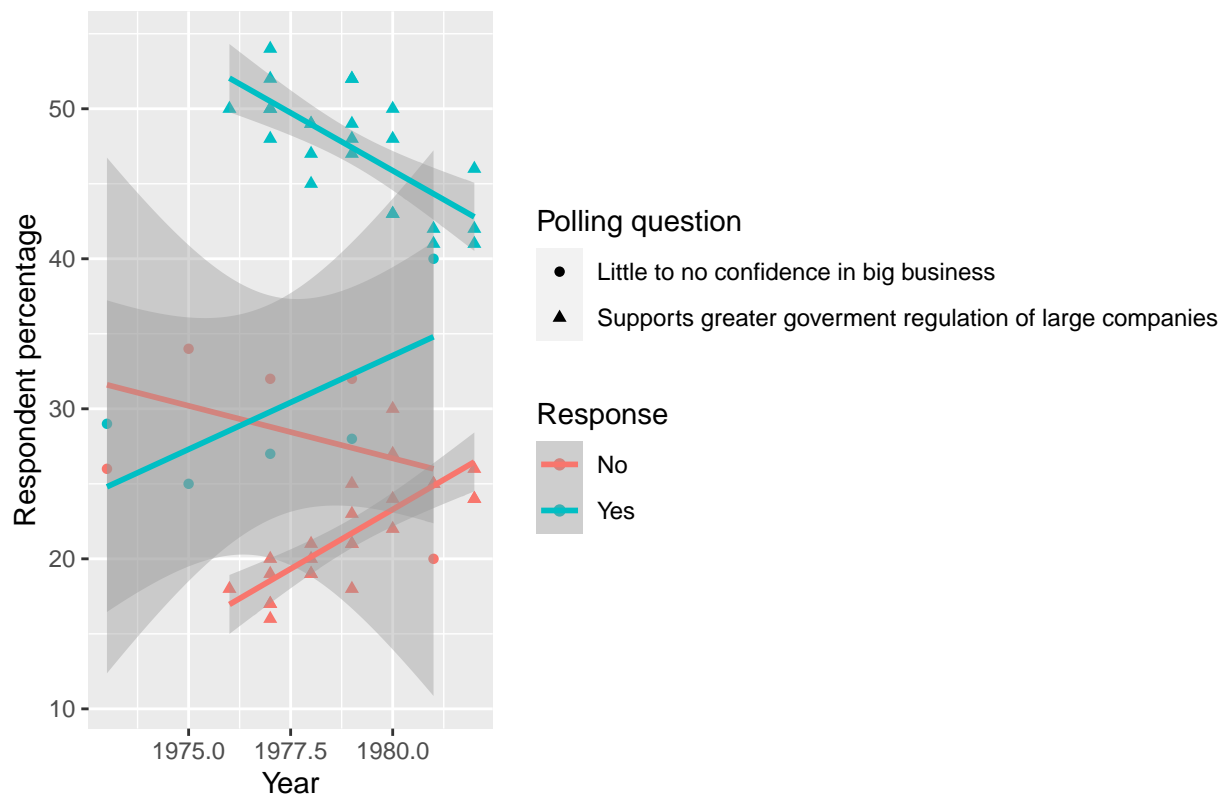Public opinion on expanding antitrust enforcement, confidence in big business, and idea of power in DC
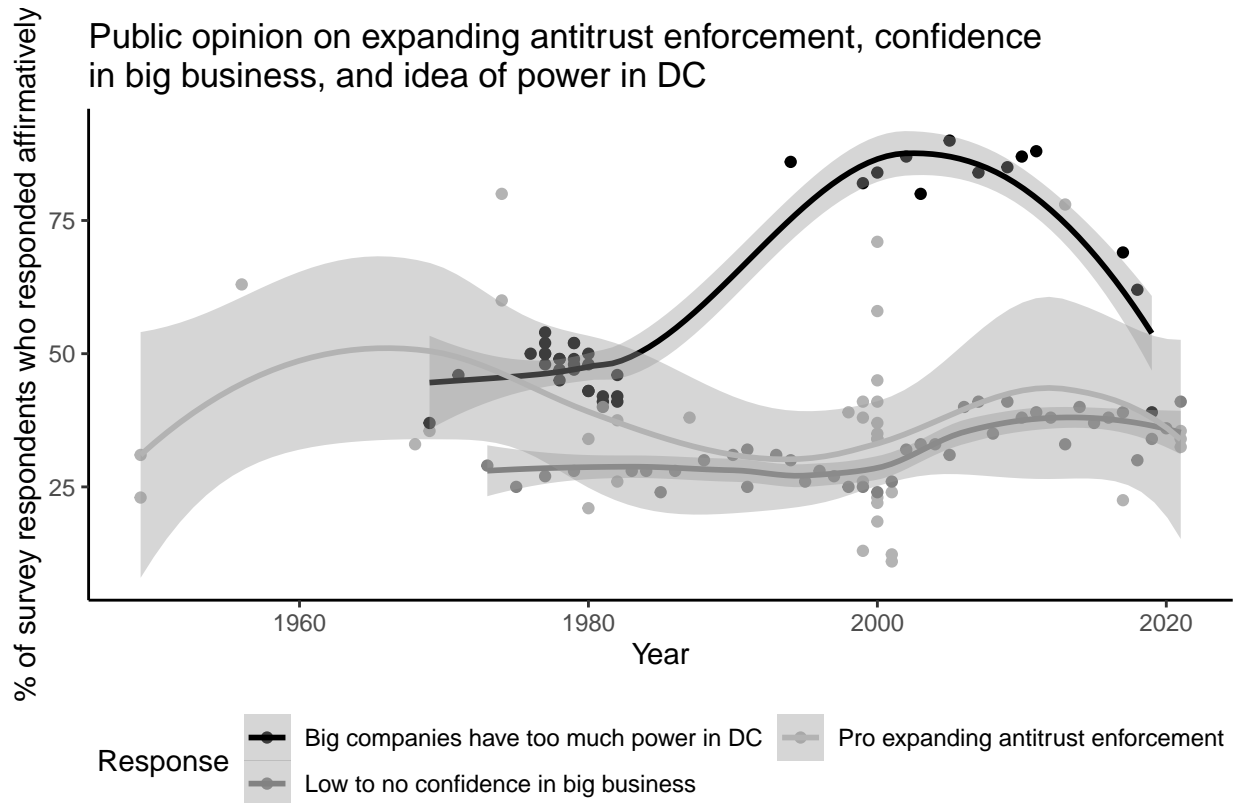
Source: Roper Center and Gallup– Confidence in Institutions

Correlation analysis

```
## `geom_smooth()` using formula 'y ~ x'
```

Reponses to different questions

```
## Saving 6.5 x 4.5 in image
## `geom_smooth()` using formula 'y ~ x'

## `summarise()` has grouped output by
## 'AntitrustDirectionCombo', 'year'. You can override using
## the `.groups` argument.

##
##  Pearson's product-moment correlation
##
## data:  test[test$AntitrustDirectionCombo == "pro", ]$largeCompanyRegulation and test[test$AntitrustD:
## t = -20.097, df = 1, p-value = 0.03165
## alternative hypothesis: true correlation is not equal to 0
## sample estimates:
##        cor
## -0.9987644

##
##  Pearson's product-moment correlation
##
## data:  test[test$AntitrustDirectionCombo == "anti", ]$largeCompanyRegulation and test[test$Antitrust]
## t = -1.6105, df = 1, p-value = 0.3537
## alternative hypothesis: true correlation is not equal to 0
## sample estimates:
##       cor
## -0.849551
```