

Package ‘fec16’

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Title Data Package for the 2016 United States Federal Elections

Version 0.1.0

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Description Easily analyze relational data from the United States 2016 federal election cycle as reported by the Federal Election Commission. This package contains data about candidates, committees, and a variety of different financial expenditures. Data is from <<https://www.fec.gov/data/browse-data/?tab=bulk-data>>.

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Depends R (>= 3.2.4), dplyr, readr

Suggests testthat (>= 2.1.0), scales, knitr, rmarkdown, fs, lubridate, vroom, ggplot2, stringr, usethis, utf8

Encoding UTF-8

LazyData true

URL <http://github.com/baumer-lab/fec16>

BugReports <https://github.com/baumer-lab/fec16/issues>

RoxygenNote 7.1.1

VignetteBuilder knitr

NeedsCompilation no

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campaigns	<i>House/Senate Current Campaigns</i>
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Description

Summary financial information for each campaign.

Usage

campaigns

Format

A data frame with 1898 rows and 25 columns, providing financial information for each House/Senate campaign:

cand_id A code assigned to a candidate by the FEC

cand_name Candidate name

cand_ici Incumbent challenger status with designation: C = Challenger, I = Incumbent, O = Open Seat

pty_cd Party code

cand_pty_affiliation The political party affiliation reported by the candidate

ttl_receipts Total receipts

trans_from_auth Transfers from authorized committees

ttl_disb Total disbursements

trans_to_auth Transfers to authorized committees

coh_bop Beginning cash

coh_cop Ending cash

cand_contrib Contributions from candidate

cand_loans Loans from candidate

- other_loans** Other loans
- cand_loan_repay** Candidate loan repayments
- other_loan_repay** Other loan repayments
- debts_owed_by** Debts owed by
- tll_indiv_contrib** Total individual contribution
- cand_office_st** Candidate's state
- cand_office_district** Candidate's district
- other_pol_cmte_contrib** Contributions from other political committees
- pol_pty_contrib** Contributions from party committees
- cvg_end_dt** Coverage end date (YYYY-MM-DD)
- indiv_refunds** Refunds to individuals
- cmte_refunds** Refunds to committees

Source

<https://transition.fec.gov/general/FederalElections2016.shtml>, updated 2020-03-02

candidates

Candidates Master metadata

Description

Basic information for each candidate.

Usage

candidates

Format

A data frame with 4648 rows and 15 columns, providing information for each candidate:

- cand_id** A 9-character alpha-numeric code assigned to a candidate by the FEC, which remains the same across election cycles if running for the same office
- cand_name** Candidate name
- cand_pty_affiliation** The political party affiliation reported by the candidate
- cand_election_yr** Candidate's Election Year
- cand_office_st** Candidate's state
- cand_office** Candidate office with designation: H = House, P = President, S = Senate
- cand_office_district** Congressional district number: Congressional at-large 00, Senate 00, Presidential 00
- cand_ici** Incumbent challenger status with designation: C = Challenger, I = Incumbent, O = Open Seat

cand_status Candidate status with designation: C = Statutory candidate, F = Statutory candidate for future election, N = Not yet a statutory candidate, P = Statutory candidate in prior cycle

cand_pcc ID of the candidate's principal campaign committee assigned by FEC

cand_st1 Candidate's Mailing address - street 1

cand_st2 Candidate's Mailing address - street 2

cand_city Candidate's Mailing address - city

cand_st Candidate's Mailing address - state

cand_zip Candidate's Mailing address - ZIP code

Source

<https://www.fec.gov/campaign-finance-data/candidate-master-file-description/>, updated 2020-03-02

committees	<i>Committees metadata</i>
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Description

Provides data pertaining to each committee registered with the Federal Election Commission.

Usage

committees

Format

A data frame with 17654 rows and 15 columns with information about FEC committees.

cmte_id A 9-character alpha-numeric code assigned to a committee by the Federal Election Commission

cmte_nm Name of the committee

tres_nm The officially registered treasurer for the committee

cmte_st1 Street 1

cmte_st2 Street 2

cmte_city City

cmte_st State

cmte_zip ZIP Code

cmte_dsgn A = Authorized by a candidate
 B = Lobbyist/Registrant PAC
 D = Leadership PAC
 J = Joint fundraiser
 P = Principal campaign committee of a candidate
 U = Unauthorized

cmte_tp Committee Type, listed here: <https://www.fec.gov/campaign-finance-data/committee-type-code-description/>

cmte_pty_affiliation Committee Party, listed here: <https://www.fec.gov/campaign-finance-data/party-code-descriptions/>

cmte_filing_freq Filing frequency: A = Administratively terminated,
D = Debt
M = Monthly filer
Q = Quarterly filer
T = Terminated
W = Waived

org_tp Interest group category:

C = Corporation
L = Labor organization
M = Membership organization
T = Trade association
V = Cooperative
W = Corporation without capital stock

connected_org_nm Connected organization's name

cand_id Candidate identification: When a committee has a committee type designation of H, S, or P, the candidate's identification number will be entered in this field.

Source

<https://www.fec.gov/campaign-finance-data/committee-master-file-description/>, updated 2020-03-02

contributions

Committee contributions metadata

Description

Provides data pertaining to each candidate and their contributions from committees during the 2016 general election.

Usage

contributions

Format

A data frame with 1000 rows and 15 columns with information about candidate committee contributions.

cmte_id A 9-character alpha-numeric code assigned to a committee by the Federal Election Commission

amndt_ind Amendment indicator: Indicates if the report being filed is new (N), an amendment (A) to a previous report or a termination (T) report

rpt_tp Indicates the type of report filed, listed here: <https://www.fec.gov/campaign-finance-data/report-type-code-descriptions/>

transaction_pgi This code indicates the election for which the contribution was made. EYYYY (election Primary, General, Other plus election year)

transaction_tp Transaction types, listed here: <https://www.fec.gov/campaign-finance-data/transaction-type-code-descriptions/>

entity_tp Entity Type:

CAN = Candidate

CCM = Candidate Committee

COM = Committee

IND = Individual (a person)

ORG = Organization (not a committee and not a person)

PAC = Political Action Committee

PTY = Party Organization

name Contributor/lender/transfer Name

city City

state State

zip_code ZIP Code

transaction_dt Transaction date (YYYY-MM-DD)

transaction_amt Transaction Amount

other_id For contributions from individuals this column is null. For contributions from candidates or other committees this column will contain that contributor's FEC ID

cand_id A 9-character alpha-numeric code assigned to a candidate by the FEC, which remains the same across election cycles if running for the same office

tran_id Only for Electronic Filings. A unique identifier associated with each itemization or transaction appearing in an FEC electronic file. A transaction ID is unique for a specific committee for a specific report.

Source

<https://www.fec.gov/campaign-finance-data/contributions-committees-candidates-file-description/>,
Updated 2020-03-02

expenditures	<i>Operating Expenditures</i>
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Description

Operating expenditure information for a simple random sample of 1000 entries

Usage

expenditures

Format

A data frame with 1000 rows and 20 columns:

cmte_id A 9-character alpha-numeric code assigned to a committee by the Federal Election Commission

amndt_ind Amendment indicator: Indicates if the report being filed is new (N), an amendment (A) to a previous report or a termination (T) report

rpt_yr Report year

rpt_tp Indicates the type of report filed, listed here: <https://www.fec.gov/campaign-finance-data/report-type-code-descriptions>

line_num Indicates FEC form line number

form_tp_cd Indicates FEC form type

sched_tp_cd Schedule type: Schedule B - Itemized disbursements

name Contributor/lender/Transfer Name

city City

state State

zip_code ZIP Code

transaction_dt Transaction date (YYYY-MM-DD)

transaction_amt Transaction Amount

transaction_pgi Primary general indicator

purpose Purpose

category Disbursement category code: 001-012 and 101-107

category_desc Disbursement Category Code Description, listed here: <https://www.fec.gov/campaign-finance-data/disbursement-category-code-descriptions>

entity_tp Entity Type:

CAN = Candidate

CCM = Candidate Committee

COM = Committee

IND = Individual (a person)

ORG = Organization (not a committee and not a person)

PAC = Political Action Committee

PTY = Party Organization

tran_id Only for Electronic Filings. A unique identifier associated with each itemization or transaction appearing in an FEC electronic file. A transaction ID is unique for a specific committee for a specific report.

back_ref_tran_id Back reference transaction ID: Used to associate one transaction with another transaction in the same report (using file number, transaction ID and back reference transaction ID). For example, a credit card payment and the sub-itemization of specific purchases. The back reference transaction ID of the specific purchases will equal the transaction ID of the payment to the credit card company.

Source

<https://www.fec.gov/campaign-finance-data/operating-expenditures-file-description/>, updated 2020-03-02

fec16

fec16: A Data Package for the 2016 Elections

Description

The fec16 package provides the following 9 datasets from the Federal Election Commission's 2015-2016 election cycle:

Datasets

- Candidates: [candidates](#)
- Committees: [committees](#)
- House Results: [results_house](#)
- Senate Results: [results_senate](#)
- Presidential Results: [results_president](#)
- Individual Contributions: [individuals](#)
- Committee Contributions: [contributions](#)
- House/Senate Current Campaigns: [campaigns](#)
- Operating Expenditures: [expenditures](#)
- Transactions From One Committee To Another: [transactions](#)
- Political Action Committee (PAC) and Party Summary Financial Information: [pac](#)

The entire [candidates](#), [committees](#), [campaigns](#), [results_house](#), [results_senate](#), [results_president](#), and [pac](#) datasets and samples containing 1000 entries of the other datasets are available directly in the package. For the datasets containing samples, full versions can be retrieved via the following functions:

- Individual Contributions: [read_all_individuals](#)
- Committee Contributions: [read_all_contributions](#)
- Operating Expenditures: [read_all_expenditures](#)
- Transactions From One Committee To Another: [read_all_transactions](#)

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`individuals`*Individual Contributions Master metadata*

Description

Information for a simple random sample of transactions from individuals to candidates/committees.

Usage

```
individuals
```

Format

A data frame with 1000 rows and 16 columns providing information for each transaction:

cmtc_id A 9-character alpha-numeric code assigned to a committee by the Federal Election Commission

amndt_ind Amendment indicator: Indicates if the report being filed is new (N), an amendment (A) to a previous report or a termination (T) report

rpt_tp Indicates the type of report filed, listed here: <https://www.fec.gov/campaign-finance-data/report-type-code-descriptions/>

transaction_pgi This code indicates the election for which the contribution was made. EYYYY (election Primary, General, Other plus election year)

transaction_tp Transaction types, listed here: <https://www.fec.gov/campaign-finance-data/transaction-type-code-descriptions/>

entity_tp Entity Type:

CAN = Candidate

CCM = Candidate Committee

COM = Committee

IND = Individual (a person)

ORG = Organization (not a committee and not a person)

PAC = Political Action Committee

PTY = Party Organization

name Contributor/lender/Transfer Name

city City

state State

zip_code ZIP Code

employer Employer

occupation Occupation

transaction_dt Transaction date (YYYY-MM-DD)

transaction_amt Transaction Amount

other_id For contributions from individuals this column is null. For contributions from candidates or other committees this column will contain that contributor's FEC ID.

tran_id Only for Electronic Filings. A unique identifier associated with each itemization or transaction appearing in an FEC electronic file. A transaction ID is unique for a specific committee for a specific report.

Source

<https://www.fec.gov/campaign-finance-data/contributions-individuals-file-description/>, updated 2020-03-02

pac	<i>Political Action Committee (PAC) and Party Summary Financial Information</i>
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Description

PAC and party summary financial information

Usage

pac

Format

A data frame with 12049 rows and 27 columns:

cmte_id A 9-character alpha-numeric code assigned to a committee by the Federal Election Commission

cmte_nm Name of the committee

cmte_tp Committee Type, listed here: <https://www.fec.gov/campaign-finance-data/committee-type-code-description/>

cmte_dsgn A = Authorized by a candidate
 B = Lobbyist/Registrant PAC
 D = Leadership PAC
 J = Joint fundraiser
 P = Principal campaign committee of a candidate
 U = Unauthorized

cmte_filing_freq Filing frequency: A = Administratively terminated,
D = Debt
M = Monthly filer
Q = Quarterly filer
T = Terminated
W = Waived

ttl_receipts Total receipts

trans_from_aff Transfers from affiliates

indv_contrib Contributions from individuals

other_pol_cmte_contrib Contributions from other political committees

cand_contrib Contributions from candidate

cand_loans Candidate loans

ttl_loans_received Total loans received

ttl_disb Total disbursements

tranf_to_aff Transfers to affiliates

indv_refunds Refunds to individuals

other_pol_cmte_refunds Refunds to other political committees

cand_loan_repay Candidate loan repayments

loan_repay Loan repayments

coh_bop Cash beginning of period

coh_cop Cash close of period

debts_owed_by Debts owed by

nonfed_trans_received Non-federal transfers received

contrib_to_other_cmte Contributions to other committees

ind_exp Independent expenditures

pty_coord_exp Party coordinated expenditures

nonfed_share_exp Non-federal share expenditures

cvg_end_dt Coverage end date (YYYY-MM-DD)

Source

<https://www.fec.gov/campaign-finance-data/pac-and-party-summary-file-description/>,
updated 2020-03-02

`read_all_contributions`*Committee contributions metadata*

Description

`read_all_contributions` returns a dataframe about contribution data

Usage

```
read_all_contributions(n_max = Inf, verbose = interactive())
```

Arguments

<code>n_max</code>	Integer specifying the max amount of entries in the dataset. Defaults to the possible maximum.
<code>verbose</code>	A progress bar is shown if R is running interactively. Defaults to <code>interactive()</code> .

Value

The entire dataframe. More information about variables is at `?contributions`.

Examples

```
read_all_contributions()
read_all_contributions(n_max = 250)
```

`read_all_expenditures` *Operating Expenditures*

Description

`read_all_expenditures` returns a dataframe about operating expenditure data

Usage

```
read_all_expenditures(n_max = Inf, verbose = interactive())
```

Arguments

<code>n_max</code>	Integer specifying the max amount of entries in the dataset. Defaults to the possible maximum.
<code>verbose</code>	A progress bar is shown if R is running interactively. Defaults to <code>interactive()</code> .

Value

The entire dataframe. More information about variables is at `?expenditures`.

Examples

```
read_all_expenditures()
read_all_expenditures(n_max = 250)
```

read_all_individuals *Individual Contributions Master metadata*

Description

`read_all_individuals` returns a dataframe about transactions from individuals to candidates/committees

Usage

```
read_all_individuals(n_max = Inf, verbose = interactive())
```

Arguments

n_max	Integer specifying the max amount of entries in the dataset. Defaults to the possible maximum.
verbose	A progress bar is shown if R is running interactively. Defaults to <code>interactive()</code> .

Value

The entire dataframe. More information about variables is at `?individuals`.

Examples

```
read_all_individuals()
read_all_individuals(n_max = 250)
```

read_all_transactions *Any Transaction From One Committee To Another*

Description

`read_all_transactions` returns a dataframe about transaction data

Usage

```
read_all_transactions(n_max = Inf, verbose = interactive())
```

Arguments

`n_max` Integer specifying the max amount of entries in the dataset. Defaults to the possible maximum.

`verbose` A progress bar is shown if R is running interactively. Defaults to `interactive()`.

Value

The entire dataframe. More information about variables is at `?transactions`.

Examples

```
read_all_transactions()
read_all_transactions(n_max = 250)
```

results_house

General Federal Election Results

Description

2016 House General Election Results
 2016 Senate General Election Results
 2016 Presidential General Election Results

Usage

```
results_house
results_senate
results_president
```

Format

3 data frames with information about the House, Senate, and Presidential Election results:

state The state of the votes

district_id District ID

cand_id A code assigned to a candidate by the FEC

incumbent A logical variable: TRUE if incumbent, FALSE if not

party Party of the candidate

primary_votes Number of votes in the primary election

primary_percent Percentage of votes in the primary election

runoff_votes Number of runoff votes

runoff_percent Percentage of runoff votes

general_votes Number of votes in the general election
general_percent Percentage of votes in the general election
won A logical variable: TRUE if candidate won, FALSE if not
footnotes Footnotes

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 377 rows and 10 columns.

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 619 rows and 6 columns.

Source

<https://transition.fec.gov/general/FederalElections2016.shtml>, updated 2020-03-02

transactions	<i>Any Transaction From One Committee To Another</i>
--------------	--

Description

Transaction information between committees

Usage

```
transactions
```

Format

A data frame with 1000 rows and 16 columns:

cmte_id A 9-character alpha-numeric code assigned to a committee by the Federal Election Commission

amndt_ind Amendment indicator: Indicates if the report being filed is new (N), an amendment (A) to a previous report or a termination (T) report

rpt_tp Indicates the type of report filed, listed here: <https://www.fec.gov/campaign-finance-data/report-type-code-descriptions>

transaction_pgi Primary general indicator: This code indicates the election for which the contribution was made. EYYYY (election Primary, General, Other plus election year)

transaction_tp Transaction type, listed here: <https://www.fec.gov/campaign-finance-data/transaction-type-code-descriptions>

entity_tp Entity Type:

CAN = Candidate

CCM = Candidate Committee

COM = Committee

IND = Individual (a person)

ORG = Organization (not a committee and not a person)

PAC = Political Action Committee

PTY = Party Organization

name Contributor/lender/Transfer Name

city City

state State

zip_code ZIP Code

employer Employer

occupation Occupation

transaction_dt Transaction date (YYYY-MM-DD)

transaction_amt Transaction Amount

other_id For contributions from individuals this column is null. For contributions from candidates or other committees this column will contain that contributor's FEC ID

tran_id Only for Electronic Filings. A unique identifier associated with each itemization or transaction appearing in an FEC electronic file. A transaction ID is unique for a specific committee for a specific report.

Source

<https://www.fec.gov/campaign-finance-data/any-transaction-one-committee-another-file-description/>, updated 2020-03-02

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