Package ‘fec16’

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Title Data Package for the 2016 United States Federal Elections
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Maintainer Marium Tapal <mariumtapal@gmail.com>
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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Author Marium Tapal [aut, cre] (<https://orcid.org/0000-0001-5093-6462>), Rana Gahwagy [aut], Irene Ryan [aut], Benjamin S. Baumer [aut] (<https://orcid.org/0000-0002-3279-0516>)
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campaigns

House/Senate Current Campaigns

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
candidates

<table>
<thead>
<tr>
<th>Description</th>
<th>Candidates Master metadata</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic information for each candidate.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Usage</th>
<th>candidates</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Format</th>
<th>A data frame with 4648 rows and 15 columns, providing information for each candidate:</th>
</tr>
</thead>
<tbody>
<tr>
<td>cand_id</td>
<td>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</td>
</tr>
<tr>
<td>cand_name</td>
<td>Candidate name</td>
</tr>
<tr>
<td>cand_pty_affiliation</td>
<td>The political party affiliation reported by the candidate</td>
</tr>
</tbody>
</table>
committees

- **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**


---

**committees**

<table>
<thead>
<tr>
<th>committees</th>
<th>Committees metadata</th>
</tr>
</thead>
</table>

**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
contributions

**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-descriptions/](https://www.fec.gov/campaign-finance-data/committee-type-code-descriptions/)

**cmte_pty_affiliation**  Committee Party, listed here: [https://www.fec.gov/campaign-finance-data/party-code-descriptions/](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**


---

**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

Description

Operating expenditure information for a simple random sample of 1000 entries out of 1744187

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/](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
- **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

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**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`

In addition, `fec16` provides the `states` dataset giving geographical information about the 50 states.
individuals

Authors

- Marium Tapal: https://github.com/mariumtapal
- Irene Ryan: https://github.com/ireneryan
- Rana Gahwagy: https://github.com/ranawg
- Ben Baumer: https://github.com/beanumber

__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:

- **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/](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)
- **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
**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-descriptions/
- **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

transf_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

read_all_contributions

*Committee contributions metadata*

**Description**

`read_all_contributions` returns a dataframe about contribution data

**Usage**

```r
read_all_contributions(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 `?contributions`.

**Examples**

```r
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**

```r
read_all_expenditures(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 ?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 interactive().

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

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

---

results_house

House Election Results

Description

2016 House General Election Results

Usage

`results_house`

Format

A data frame with 2110 rows and 13 columns providing information the House 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
results_president

Source


See Also

results_senate, results_president

---

results_president  Presidential Election Results

Description

2016 House General Election Results

Usage

results_president

Format

A data frame with 619 rows and 6 columns providing information the House election results:

- **cand_id**: A code assigned to a candidate by the FEC
- **state**: The state of the votes
- **party**: Party of the candidate
- **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

Source


See Also

results_house, results_senate
Description

2016 House General Election Results

Usage

results_senate

Format

A data frame with 377 rows and 10 columns providing information the House election results:

- **state** The state of the votes
- **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
- **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

Source


See Also

results_house, results_president
US States lookup table

Description

US States lookup table

Usage

states

Format

A data frame with 50 rows and 4 columns:

- **state**: two-character postal abbreviation
- **state_name**: the name of the state
- **state_region**: coarse region of the country that the state belongs to
- **state_division**: finer region of the country that the state belongs to

Source

state

Any Transaction From One Committee To Another

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/](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

dentity_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

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