

(First Draft) A Look at the 2012 Presidential Election

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1 Introduction

(1/2 - 1 page) Motivate your project - why is it exciting? why should people read? Mention your data source. If you go into a topic that a general audience is not familiar with, explain all the NECESSARY parts that allow your audience to understand the work. Don't go excessively beyond the page limit. If you need more than 1/2 page, it's a good sign, that you should switch topics. Summarize your main finding. Outline your data analysis and the structure of the rest of the paper.

2 Data

We are primarily working with two data sources to complete our analysis: independent expenditures (PAC) data and polling data. The PAC spending data comes from the Federal Election Commission and the polling data comes from <http://nationalpolls.com/>.

2.1 Variable Definitions

The variables present in the PAC spending data are defined as follows:

Tag	Field Name	Data Type	Description	Explanation
can_id	Candidate ID	Character	unique ID of candidate for or against whom the expenditure was made	First character indicates office sought - H=House, S=Senate, P=Presidential. Columns 3-4 are the state abbreviation for Congressional candidates. NOTE - this information is provided by filers and may be missing - in these cases office, state, district and candidate name should appear.
2	spe_id	Character	Unique ID of committee, individual or group making expenditure	Unique FEC ID assigned to the entity submitting reports of independent expenditures
	spe_nam	Character	Name of committee, individual or group making expenditure	
	ele_typ	Character	code for specific election for which expenditure was made	First character indicates election - P=Primary, G=General, S=Special. Next four characters indicate election year.
	can_off_sta	Character	Postal state abbreviation for the candidate	
	can_off_dis	Number	District number for the candidate	District location if spending for/against House candidate.
	can_off	Character	Office Sought by Candidate	(H=House, S=Senate, P=President)
	can_par_aff	Character	Party abbreviation for candidate	Dem=Democrat Rep=Republican
	exp_amo	Currency	Dollar amount of specific expenditure	
	exp_dat	Date	Date of specific Expenditure MM/DD/YYYY	

∞	agg_amo	Aggregate amount	Currency	Total amount expended during the calendar year, per election, per office sought	Describes whether the expenditure was made to support or oppose the candidate.
	sup_opp	Support or Oppose	Character	S=Support, O=Oppose	
	pur	Purpose of expenditure	Character	description of the expenditure, e.g. television or radio ad	
	pay	name of payee	Character	Name of the person or vendor or other entity receiving this payment	
	file_num	Filing number	Number	Unique identifier for a submission (which may report several disbursements)	
	amn_ind	Amendment Indicator	Character	New report or amendment to a report	
	tra_id	Transaction ID	Character	Unique identifier for the transaction (unique within the specific filing	
	ima_num	Image number	Number	Image location for page on which transaction appears	
	rec_dt	Filing receipt date	Date	Date on which transaction was submitted to FEC MM/DD/YYYY	
	prev_file_num	Previous filing number	Number	Reference to a filing being amended	For electronic filings the previous filing number references the filing being amended. For new filings and paper filings this field will be null

The variables present in the polling data are defined as follows:

Tag	Field Name	Data Type	Description
Pollster	Polling Company	Character	Company that conducted the poll.
State/US	State	Character	State poll was conducted of. If national poll, then value is "National".
Date	Poll Date	Date	Range of dates that the poll was being conducted.
Obama	Support for Mr. Obama	Number	Integer rounded percent of support in the poll.
Romney	Support for Mr. Romney	Number	Integer rounded percent of support in the poll.

2.2 Cleaning

Buckets Formatting (Dates, etc.) Beneful Can
Polls - reformatted, dates, etc.

3 Findings

this is where you describe the findings from your data exploration. If you were looking at different aspects, you might need to use extra structuring elements.

4 Conclusions/Future Work

(1/2 page) summarize your findings - don't just list them, but try to come up with a cohesive statement. If you started your Intro by posing a question, try to answer it at this point. For future work come up with at least two good points of how to extend the project or your analysis in a meaningful way.