

# Political Donor Motivations and Social Media: A Time Series Analysis

The two predominant theories of political donor motivations are the access-oriented model and the consumption model. This paper combines political donation records and social media posts from politicians to test whether either behavior is observed. In the access-oriented model, individual political donors and political action committees (PACs) are assumed to contribute to campaigns in an effort to acquire access and influence politicians into supporting specific policy issues. In this study, the access-oriented model of donors predicts that donations from specific groups of donors will precede public support of certain policies. The consumption model of donors views political contributions as being an extension of voting along a participatory spectrum, and that donors support candidates who they already know support policy issues that the donors care about or are ideologically motivated. In this research, the consumption model predicts that donations from various groups of donors will lag in response to public support of certain policy issues. Historically, these two models have treated political donors as all having the same motivations. More recent studies in campaign finance have found that both motivational models can exist in different groups of donors. However, these studies categorize groups of donors in broad strokes, generally as either small-dollar donors and large-dollar donors as well as PACs. This paper statistically derives coalitions of similar donors and tests the competing models of political donor motivations on these more granular groups of donors who support similar candidates.

## Introduction

[Need some sort of bridge into specific models]

## **Access-Oriented Model**

Access-oriented political donors are those that attempt to use their contributions to gain access to politicians. The theory goes that this access can then influence legislative behavior (Francia et al. 2003). Milbrath (1958) centers legislative influence as a communicative process where those seeking to influence legislators must be able to “communicate their power, as well as the facts and arguments supporting their position, when they confer with a legislator.” Congress is operating in a “vacuum filled with noise.” And political contributions can gain direct access that allows to cut through all the noise of competing information that the legislator might be encountering (Milbrath 1958). In interviews, business groups themselves said that they seek “access” to either a member of congress or a member of their staff when they make a contribution. But these groups stated that their contribution only gains the access to make an argument and it is the merit of the argument that determines support for their cause or not (Herndon 1982). Empirical studies of financial documents backup this claim that donors seek access in order to influence policy (Fouirnaies and Hall 2015).

Empirical research has suggested that political contributors are successful in their goals to gain access as measured by the amount of time that organized interest groups spend with members of congress (Langbein 1986).

However, measuring the direct access that political financiers gain from political contributions is difficult to measure. Instead, researchers have baked the “access” component of contributor influence into their assumptions and instead look for evidence of “influence” of political contributors on politicians. Many political science papers do not use the explicit term “access-oriented donor” and instead refer to their work as examining the potential “influence” of political donors on politicians. This line of influence research implies a gain of access by political contributors. As Langbein (1986) states, “[Access] is a precondition for having influence over public policy. Contributions themselves have lit-

tle meaning for a congressman, because they do not carry any ‘message.’ Only access, or some other form of direct or indirect communication, can translate money into influence.” As such, this paper will consider research that investigates the “influence” of money on politics as operating under the access-oriented model of political contributions.

## **Consumption Model**

### **Online Fundraising**

#### **Rise of Small-Dollar Donors**

### **Ideological Measurement Using Donor Data**

#### **Data**

Data for this research comes from two primary sources: politicians’ social media posts and political donation data. For social media posts, this paper used the Facebook (Barbera, Geisler, and Atteveldt 2017) and Twitter (Kearney 2019) APIs to collect social media posts from all candidates for the Wisconsin State Senate and Wisconsin State Assembly during the 2016 election cycle ( $n = 82,851$ ). A subset of these posts were hand-coded into 27 topical categories. This subset was used to train a BERT deep learning transfer model that was used to predict the topic of the remainder of the posts (training dataset = 8,242, 10% of total posts; testing dataset = 4,122, 5% of total posts). Political donation data for all candidates to the Wisconsin State Legislature during the 2016 election cycle were collected from the Wisconsin Campaign Information System (CFIS) ( $n = 12,962$ ). These donations were used to create a network of political donations with candidates and donors serving as nodes and donations between them as edges. This network was clustered into distinct communities so that donors in each community are most similar to one another based on which campaigns they contributed to. I theorize that these clusters of donors represent *latent coalitions* of donors who, whether they operate in an organized fashion or not, are

working toward the goal of electing the same candidates. Studying political fundraisers as members of political coalitions has been studied in the past (Adams 2007; Heerwig 2016). This paper’s statistically-driven definition of latent coalitions seeks to add to the coalition literature.

## **Methodology**

These two datasets were analyzed against each other using the Granger causality time-series methodology. This methodology has been used by other researchers to study social media (Freelon, McIlwain, and Clark 2018; Lukito 2020). Similar to political donations, this methodology has been used to study the relationship between social media and non-social media events such as offline protests (Bastos, Mercea, and Charpentier 2015) and stock prices (Park, Leung, and Ma 2017). Granger causality detects whether movements in one time series precedes, lags, has a confounding variable, or is not related to another time series. Specifically, this paper compares time series of donations from clusters of political donors and time series of the number of social media posts by each topic that were made by campaigns that each donor cluster contributed to. For example, a time series of donations from a donor coalition was compared to the aggregate count of posts about a given topic made by candidates that the donor cluster contributed to.

## **Preliminary Results**

Initial results suggest that it is more common to observe behavior consistent with the consumption model (31% of coalitions, 4/13) than the access-oriented model. However, the access-oriented model is still observed in 15% of coalitions (2/13). Under a strict interpretation of either model, we would expect to find behavior that fits only with that model. These results that find both the models present in the data is in line with some other research in suggesting that there are a “diversity of roles individual contributors play in the campaign finance system” (Heerwig 2016). Specific results of the Granger

causality model are in Figure 1 below.

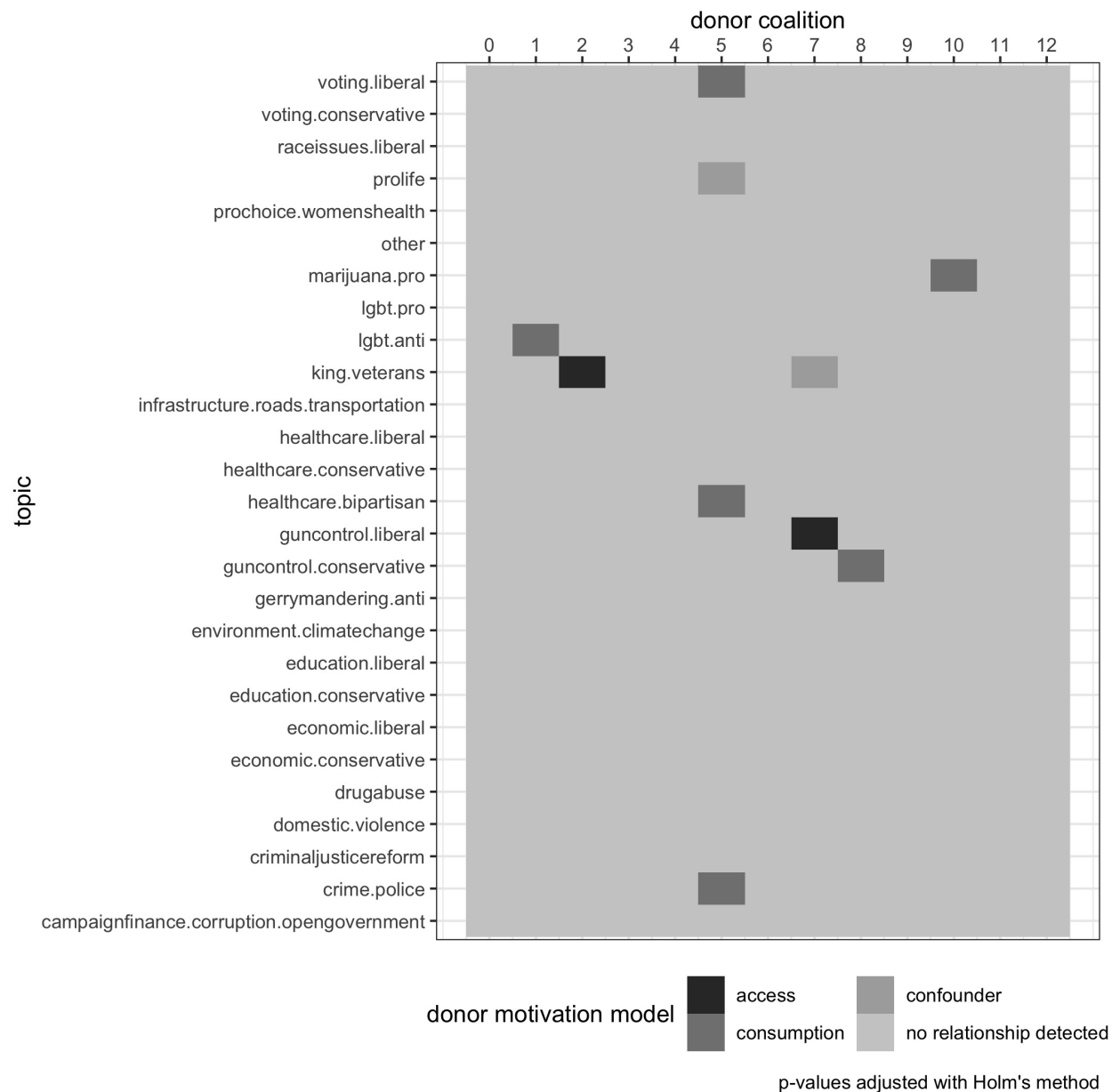


Figure 1: Donor Motivation Models

One theoretical next step for this paper is to flesh out the implications of observing behavior that fits under both the consumption and access-oriented model of political donors. Most often, the literature assumes that political donors have monolithic a monolithic psychological process that motivate them. However, the clear breakdown of different coalitions exhibiting behavior that falls into different models, and distinct behavior

in relation to unique policy issues, suggests that latent coalitions of political donors are strategic actors with unique motivations. One empirical next step is to quantify potential confounders for donor clusters that don't fit under either model, such as geographic proximity or competitiveness of the races contributed to.

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