

Populist Narratives on Environmental Issues in the Media: A Discourse Analysis

**Capstone Project in Data Mining and Large Language Models for
Political and Social Sciences**

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Abstract

This project attempts to answer the question *how Swiss parties present themselves in populist discourses on environmental issues in Swiss mainstream media* focusing on the Swiss People's Party (SVP) and the Green Party. The project conducts a quantitative discourse analysis using a Large Language Model to explore how the Swiss People's Party and the Green Party engage with populist rhetoric when addressing environmental topics. The aim is to understand how both parties construct their narratives and how they position themselves in context of “the people” and elites.

1 Introduction

Over the past decade, environmental issues, especially those linked to climate change, have become central to political discourse around the world. In Switzerland, as in many other democracies, these topics are not only the subject of policy debates but are also much discussed in the daily media. Political parties across the ideological spectrum use media platforms to frame environmental concerns in ways that reflect their political agendas and mobilize their voter bases. This research project examines how the Swiss People’s Party (SVP), as a representative right-wing party, and the Green Party, as a representative left-wing party, engage in populist discourse on environmental issues in Swiss media.

This question is especially relevant in today’s polarized political climate, where environmental policies often become battlegrounds for broader ideological conflicts (McCright 2011). Previous research (e.g. Kulin and Johansson Sevä (2024)) has shown that right-wing populism tends to foster climate skepticism, whereas left-wing populism more often supports environmental action. These differences result from how each variant of populism defines “the elite” and “the people” (March 2017). Understanding how such dynamics play out in the media landscape can shed light on the role of political communication in shaping public attitudes toward climate policy.

Thus, this explorative research project investigates the following question: *How do the Swiss People’s Party (SVP) and the Green Party present themselves in populist discourses on environmental issues, and how do their narratives differ?*

The entire project workflow was documented using version control via GitHub under the

repository name *www.github.com/alessiarainone18/Populist-Narratives-on-Environmental-Issues*, which is publicly accessible. While the dataset itself is not published due to licensing restrictions, it can be made available upon request.

2 Literature Review

2.0.1 Definition of Populism

Populism can be defined in different ways, with several theoretical frameworks attempting to conceptualize it. Mudde (2004, 543) defines populism as “*an ideology that ultimately divides society into two homogeneous and antagonistic groups: ‘the pure people’ versus ‘the corrupt elite’, and which argues that politics is an expression of the volonté générale (general will) of the people.*” Populism is usually described as a rather “thin” ideology because it is mainly concerned with the dichotomy between “the people” and “the elite”. The ‘thin’ nature of populism means that it cannot be used as a stand-alone political agenda, but must be combined with a so-called ‘host’ ideology to form a broader political platform. These ‘host’ ideologies, often referred to as ‘thick’ ideologies, provide the essential content of the political agenda.

Depending on the host ideology, populism can take different forms and agendas (Mudde and Rovira Kaltwasser 2018). This distinction is particularly important when it comes to the relationship between populism and political ideologies, e.g. party-specific populism. In this context, left-wing (e.g. “green”) and right-wing populism differ significantly in their used rhetoric due to their definition of “the people”. Left-wing populism generally defines “the people” in class-specific terms, focusing on issues of economic exploitation and advocating greater state intervention in the economy and a redistribution of wealth. Right-wing populism, on the other hand, often defines ‘the people’ in cultural terms (Mudde and Rovira Kaltwasser 2013) and focuses on nationalism, nativism and traditionalism. Left-wing populists, on the

other hand, generally tend to support international cooperation, while right-wing populists emphasize national sovereignty and are often skeptical of supranational institutions (March 2017).

2.0.2 Rise of Populism

The rise populism has become increasingly evident in recent years. On January 20th, 2025, Donald Trump signed an the withdrawal from the Paris Climate Agreement. He justified the decision by stating that he would “put America first,” calling the agreement a “green new scam” for the United States (Noor 2025). Trump is widely recognized as a representative of right-wing populism, which is reflected in both his rhetoric and political agenda (Winberg 2017). Right-wing populist movements have also gained momentum across Europe. In September 2022, Giorgia Meloni became Prime Minister of Italy (Kirby 2022). In France, Marine Le Pen narrowly lost the second round of the presidential election in July 2024, despite her party leading in the first round (Caulcutt 2024). In Switzerland, the 2023 federal elections marked a clear shift to the right, with a significant increase in support for the populist Swiss People’s Party (SVP) (Pauchard, Stephens, and Turuban 2024). In Germany, the the right-wing populist party Alternative für Deutschland (AfD) reached over 20% of the vote in the February 2025 elections, a 10% increase compared to the previous election (noauthor_bundestagswahl_2025?).

However, left-wing populism is also gaining renewed traction. In Germany, for example, the left-wing populist party Die Linke, which is also classified as populist in various academic sources secured a vote gain of nearly 4%, with notable support among younger voters. This success has been attributed to a campaign strategy that emphasized simple language, a strong presence on social media, and effective populist language (Kubina 2025).

Also in Italy, left-wing populism is a topic. The Five Star Movement (M5S), a left-wing populist party, which has openly expressed support for environmental protection (M5S 2024) gained 33% of the vote in the 2018 elections. However, by 2022, its share had declined to

just over 15%, continuing its downward trend (Department 2024). In Greece, the left-wing populist party Syriza follows a similar trajectory, combining anti-austerity rhetoric with a progressive stance on social and environmental issues (Eckhard 2015).

2.0.3 Populism in Switzerland

In Switzerland, the SVP is widely considered a textbook example of right-wing populism. Its political manifestos frequently employ a populist rhetorical style, as shown by Storz and Bernauer (2018) through quantitative text analysis. Especially on environmental topics, the SVP tends to frame its messages in populist terms. A Master's thesis from the University of Zurich identified similar tendencies in the coverage of environmental issues by the right-leaning magazine *Weltwoche* using a machine learning approach (Gadze 2023). Left-wing populism, by contrast, is far less visible in the Swiss political landscape. According to political scientists such as Pascal Sciarini, Yannis Papadopoulos, and Nenad Stojanovic (Baillat 2019), it exists, primarily at the local level, for instance in the city of Geneva. One reason for its limited presence may be the dominance of right-wing populism in recent years, which has benefitted from present topics such as the migration crisis or financial instability.

Nevertheless, it remains an open question how populism, both right- and left-wing, evolved in the face of the growing urgency and medial discourse of the environmental issues and climate crisis. This is precisely where the present research project sets in.

3 Research Design

3.1 Data Collection

The newspaper articles used in this study were collected via an API provided by *Swissdox* (Zürich 2025), a media archive platform hosted by the University of Zurich. Swissdox offers access to a comprehensive collection of Swiss print and online newspapers dating back over 50 years. The platform provides API documentation that enables users to programmatically access its database. As the API documentation was originally written in Python, it was necessary to translate the process into R. This step was supported by the language model ChatGPT-4.0 (OpenAI, n.d.), which assisted in adapting the example code provided in the documentation into functional R code.

Following a successful test run using the example API call, a custom API query was developed (see file *02-00-API_code_Swissdox.R*). This query included specific parameters, such as a keyword filter consisting of 35 German-language terms related to climate and environmental issues. The list of keywords was initially generated with the help of ChatGPT and subsequently reviewed for thematic relevance.

To narrow the scope to mainstream media coverage, the data collection was restricted to German-language articles from the following major Swiss news outlets: *Neue Zürcher Zeitung* (NZZ), *20 Minuten*, *Blick*, *SRF*, and *Tages-Anzeiger*. While the initial time frame spanned 15 years (2009–2024), it was later restricted to the last 10 years (2014–2024), as it became

apparent that some media sources only began contributing to the Swissdiox archive several years after 2009.

In total, the initial API query returned over 87'000 articles. To clean the dataset and focus more specifically on the relevant unit of the analysis, several filtering steps were applied. First, articles were manually filtered based on different keywords referring to the Swiss People's Party (SVP) and the Green Party, such as "SVP" and "Grüne". Furthermore, only articles with a length between 300 and 2'000 words were retained to ensure a sufficient level of content for analysis while excluding overly short or excessively long texts.

Unnecessary meta-variables delivered by the API were removed, and articles categorized under rubrics containing the term "international" were excluded, as the study focuses exclusively on environmental discourse within the Swiss national context. After applying these filters, the final dataset consisted of approximately 15'000 articles. From this corpus, a random sample of 2,500 articles was drawn. The analysis is conducted on this subset, which is considered representative of the overall article population.

3.2 Methods

3.2.1 Quantitative Text Analysis via Open AI API

For the qualitative coding of populist framing and party positioning, the Open AI API (version 4.0) (OpenAI, n.d.) was used. Articles were evaluated based on a set of categories developed in collaboration with the model. This framework allows for systematic comparison of populist discourses across parties and enables the identification of distinct rhetorical patterns in environmental narratives.

Table 3.1: Category system

Category	Code	Description
Relevance	1	Relevant: Article discusses Swiss environmental politics
	0	Not relevant
Political Party Mentioned	1	SVP (Swiss People's Party)
	2	JSVP (Young Swiss People's Party)
	3	GPS (Green Party of Switzerland)
	4	Junge Grüne (Young Green's)
	99	No or other party mentioned / not applicable
Support or Opposition	1	Party expresses support for the environmental policy
	2	Party expresses opposition
	99	Unclear / not applicable
Framing Style	1	Very pluralistic (diverse viewpoints, cooperative tone, evidence-based)
	2	Rather pluralistic
	3	Neutral
	4	Rather populist (simplification, people vs. elite framing)
	5	Very populist (strong anti-elite rhetoric, emotional tone, crisis framing)
	99	Not applicable

Category	Code	Description
Definition of “Elite”	1	Government / politicians
	2	Corporations / business elites
	3	Media / journalists
	4	Intellectuals / academics
	5	International organizations (e.g., EU, UN)
	6	Environmental activists / NGOs
	99	Other / not applicable
Definition of “The People”	1	The Swiss population in general
	2	Workers / lower class
	3	Rural communities
	4	Traditional Swiss values group
	5	Small business owners / self-employed
	6	Farmers
	99	Other / not applicable

3.2.1.1 Prompt Design

The first step in the process was the design of a prompt aimed at guiding Open AI through the task of analyzing each article. The goal was to ensure that the model can systematically and clearly handle each article, following a step-by-step process. The prompt, which is available in the *Appendix*, was written in simple language and divided into distinct tasks. The prompt consists of five main tasks from the category system as presented in the previous chapter.

For each task and subtask, a corresponding code is provided. Additionally, a fallback code of 99 was introduced for instances where none of the categories apply, as the dataset still

includes a significant number of irrelevant articles. This prompt was initially tested within the ChatGPT 4.0 interface using a clearly populist article about the SVP. To ensure robustness, a set of randomly selected articles was also tested to identify any issues with the prompt’s functionality. In cases where the prompt performed poorly, these examples were highlighted under each task to clarify for the AI how to proceed. Once the prompt was performing sufficiently accurate, it was applied to the API for further testing.

For the variable “party”, in addition to the Green Party and the SVP, their respective youth parties are also included. This was done to examine whether these younger branches might use even more populist language than their parent parties. Ultimately, these groups can be combined if necessary, so there is nothing to lose by including them separately. Additionally, the variable “support vs. opposition” is included to serve as a control, helping to determine whether populist language is more likely used in support of or in opposition to environmental policies. The variable “discourse” captures different styles ranging from pluralistic to populist, with an additional “neutral” category for articles written in a more balanced tone. The variables “elite” and “people” are only applied when an article is classified as rather or very populist, and they cover specific categories typically found in populist rhetoric.

3.2.1.2 Testing Phase and Methodological Adjustments

The testing phase was crucial to the success of the later analysis and therefore constituted the most important and time-consuming part of this project. An exploratory approach was taken: initially, ten articles were randomly selected and processed via the API. The first attempt failed significantly, as the output was delivered in an unstructured text file and lacked language consistency.

In response, the prompt was revised to clearly specify that only the six-digit codes should be returned after each analysis. Additionally, many articles were not processed at all due to an “error” that could not be identified at the time. Another issue was that all articles were categorized as irrelevant, an unrealistic result for a sample of 10. A brief manual review

revealed that at least half of the articles should have been classified as relevant to Swiss environmental politics, indicating a fundamental problem with the API setup.

In the second step, clearly relevant articles containing populist discourse were included in the test sample, identified through keyword searches. The same process was repeated, but this time the API code was optimized using GPT-4.0 to ensure the results were directly output as a DataFrame with the six codes clearly assigned to variables. This setup functioned technically, but again, all articles were classified under category 99.

Following further adjustments to both the API code and the prompt, six additional tests were conducted, each of which failed. A new approach was then tested: removing the rigid text formatting and instructing the model simply to return the codes (Tests 9–11). This method worked considerably better and was ultimately used for the full sample.

Before running the API analysis, I identified and removed some duplicate articles, resulting in a final sample of 2’461 articles. Although the analysis itself only took a few minutes to run, it initially produced a high error rate of 90% (Error 410). After a brief investigation, it became clear that the API was overwhelmed by too many requests in too short a time. To address this, the length of the text inputs was reduced by removing empty lines and block formatting.

A further attempt included the removal of stop words, which reduced the average article length from approximately 800 to 500 words. However, a short test using four previously used, clearly relevant articles showed that they were still all categorized as 99, despite the identical code, leading to the giving up this strategy.

Instead, the API requests were delayed using the `sys.sleep` function, and a retry mechanism was implemented that allowed failed articles to be reprocessed up to three times. This adjusted process ran for approximately three hours and reduced the error rate by only 15% (317 articles) compared to earlier tests. The articles that caused errors were run again to minimize the potential bias of representativity. Still, a total of 203 errors occurred, representing 8% of the overall sample. Despite this, the analysis was considered successful. To

ensure the validity of the results, two additional steps were taken: first, a manual verification of the categorizations of randomly selected articles and second, an analysis of the articles that consistently triggered errors.

3.2.2 Validation of results

3.2.2.1 Manual verification

To verify the classification provided by the OpenAI API, 20 successfully analyzed articles (non-error cases) were randomly selected and saved in Excel format as a verification sample. For this verification, the articles were manually coded based on the same instructions that had been used for the OpenAI classification, following the categorization system presented in *Table 3.1*.

Before checking the OpenAI results, I coded the articles myself to avoid bias. In the final step, I compared my manual categorization with the one provided by OpenAI. Seventeen out of twenty articles were classified identically. The remaining three differed, but all of them were only marginally relevant to environmental politics, as they either did not mention specific political parties or referred to multiple parties without clear alignment, making them less significant for the analysis.

One notable exception involved an article written by an SVP National Council member, who argued in favor of environmentally friendly agricultural policy without using any populist rhetoric. OpenAI did not correctly identify the author's affiliation, likely because it was only mentioned in the final sentence of the article. While this misclassification does not undermine the overall results, it provides an important insight for future analyses: in articles from newspapers, where guest authorships are common, it may be necessary to pay special attention to the author's identity.

Comparison of Article Stats: Errors vs. Valid

Metric	Errors	Valid Articles
Mean Word Count	1287.224	702.4879
Mean Character Count	9752.457	5439.1017
Articles < 1000 Words	74.000	1816.0000
Articles 1000 Words	243.000	328.0000
Articles Before 2020	103.000	910.0000
Articles From 2020 Onward	214.000	1234.0000

3.2.2.2 Analysis of API errors

As the original sample of 2'500 articles was reduced to an actually analyzed sample of 2'144 articles, it is important to investigate the reasons behind this reduction. Understanding the cause is crucial, as it may limit the generalizability of the results to the full population. Therefore, I conducted an analysis of key indicators comparing the error sample with the valid sample, as presented in *Table 3.2*. A striking difference is the average word count, which is nearly twice as high in the error sample compared to the valid one. The same pattern applies to the average number of characters. In the error sample, 83% of the articles contain more than 1'000 words, while in the valid sample this figure is 15%.

These results suggest that some of the articles were likely too long or complex for the API to analyze effectively. However, given that also the distribution of publication years (before and after 2020) is similar across both groups, I conclude that the analysis still provides valuable and largely generalizable insights. Nonetheless, caution is advised when interpreting and generalizing the findings.

4 Results

The analysis using the OpenAI API resulted in 665 out of 2'144 articles being identified as relevant to environmental politics, approximately 31%. This highlights the importance of including a filtering step to ensure only truly relevant articles are selected. Despite this reduction, the resulting sample of 665 articles remained sufficiently large to draw meaningful insights.

Out of the 665 relevant articles, 187 primarily discussed the Green Party, 21 focused on the Young Greens, 294 on the SVP, and 2 on the Young SVP. For 161 articles, no clear party affiliation could be determined. Due to the small number of articles on the youth parties, their data was merged with that of their respective parent parties to enable more meaningful analysis.

The average value on the discourse scale for the Greens was 2.11, while for the SVP it was 4.24. This scale ranges from 1 (very pluralistic) to 5 (very populist), with 3 representing a neutral tone. These results indicate that the SVP tends to use significantly more populist language compared to the Greens, who lean more toward pluralistic discourse. A t-test for mean differences confirms this with a p-value close to 0, providing statistical evidence for a significant difference in populist discourse between the two groups.

Figure 4.1 presents a boxplot illustrating the distribution of discourse styles by party. The Green Party's discourse centers around a value of 2, indicating a generally pluralistic tone, with a few outliers. In contrast, the SVP shows a concentration of values between 4 and 5,

pointing to a predominantly populist discourse style, though a few outliers fall closer to the pluralistic end of the scale.

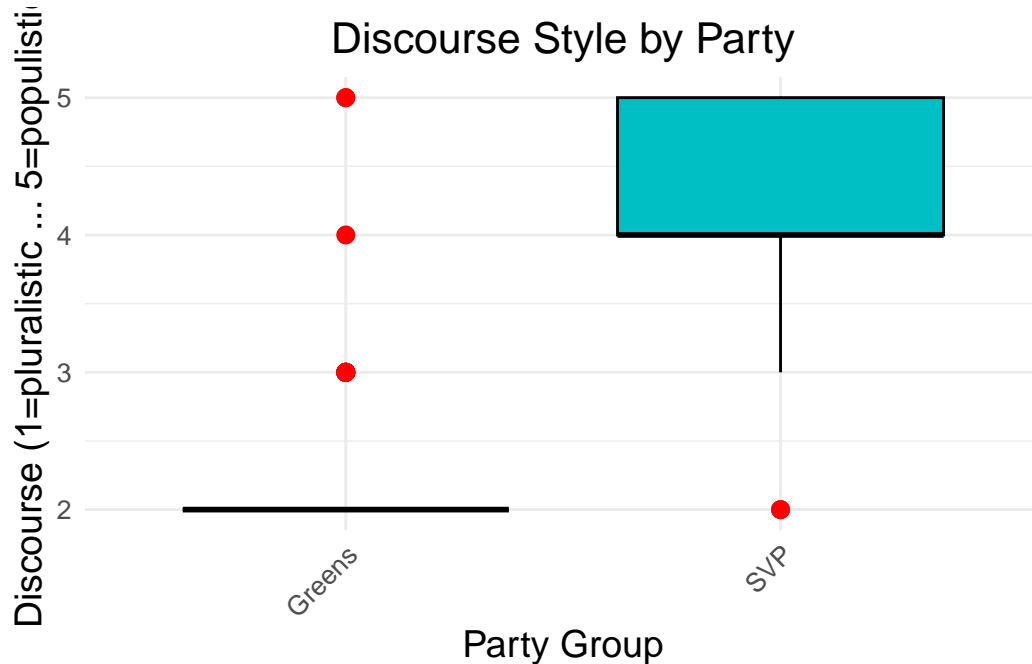


Figure 4.1: Box plot for discourse style by party

To examine whether the observed difference in populist discourse between party groups persists when controlling for support or opposition to environmental policy, a logistic regression analysis was conducted. For this purpose, a binary variable “populistic” was created: it takes the value 1 if the article was classified as using either *rather populist* or *very populist* language, and 0 if the discourse was *neutral*, *rather pluralistic*, or *very pluralistic*. This binary variable served as the dependent variable in the model.

The independent variable was party affiliation, grouped into two categories: Greens (including Young Greens) and SVP (including JSVP), with the Greens set as the reference category. In addition, the model controlled for whether the article supported or opposed environmental policy, in order to isolate the effect of party affiliation from any bias related to the article’s stance. The results of the logistic regression models are presented in *Table 4.1*.

Logistic Regression: Populist Rhetoric in Media

Term	Estimate	Std. Error	CI Low	CI High	p-value
Intercept	-2.028	0.889	-3.912	-0.416	0.022
SVP (ref: Greens)	2.187	0.890	0.566	4.067	0.014
Environmental Policy Support (1 = support)	-2.467	0.886	-4.360	-0.881	0.005

The regression results indicate that the SVP has 8.9 times ($e^{2.18}$) higher odds of using populist rhetoric in mainstream media articles about environmental politics compared to the Green Party, controlling for support and other model factors. Furthermore, if an article supports environmental issues, the odds of using populist discourse decrease by approximately 91% ($100 - e^{2.5}$). These findings do not support the null hypothesis, which stated that there is no difference in discourse between the parties.

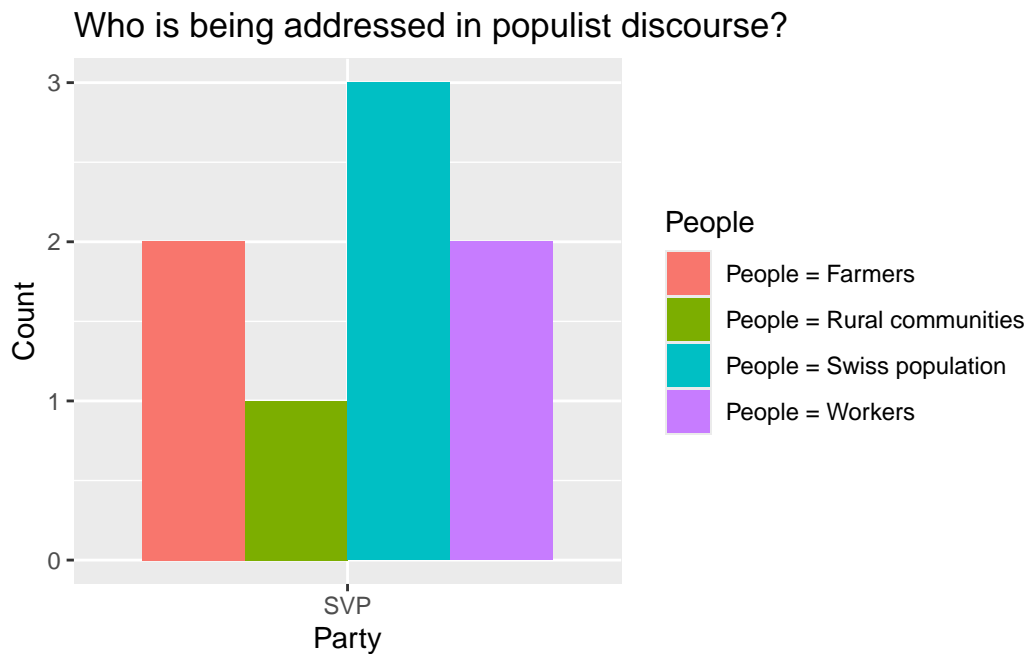


Figure 4.2: Who is being addressed in populist discourse

Of the 298 items that used somewhat or very populist discourse, 165 could be associated with an elite group, while only 41 could be linked to a specific group of people. Given the relatively small number of observations, especially regarding “people”, these results are presented descriptively in *Figure 4.2* and *Figure 4.3*. For the Green Party, no distinct “people” rhetoric was identified. For the SVP, on the other hand, references to the people were diverse and

included farmers, rural communities, the general Swiss population, and workers. Regarding the concept of elites, the Greens only referred to intellectuals, although this observation is based on only three cases and should therefore be interpreted with caution. For the SVP, elites were identified primarily as government officials and politicians, but they also included, in some cases, businesses, intellectuals, NGOs, international organizations and the media.

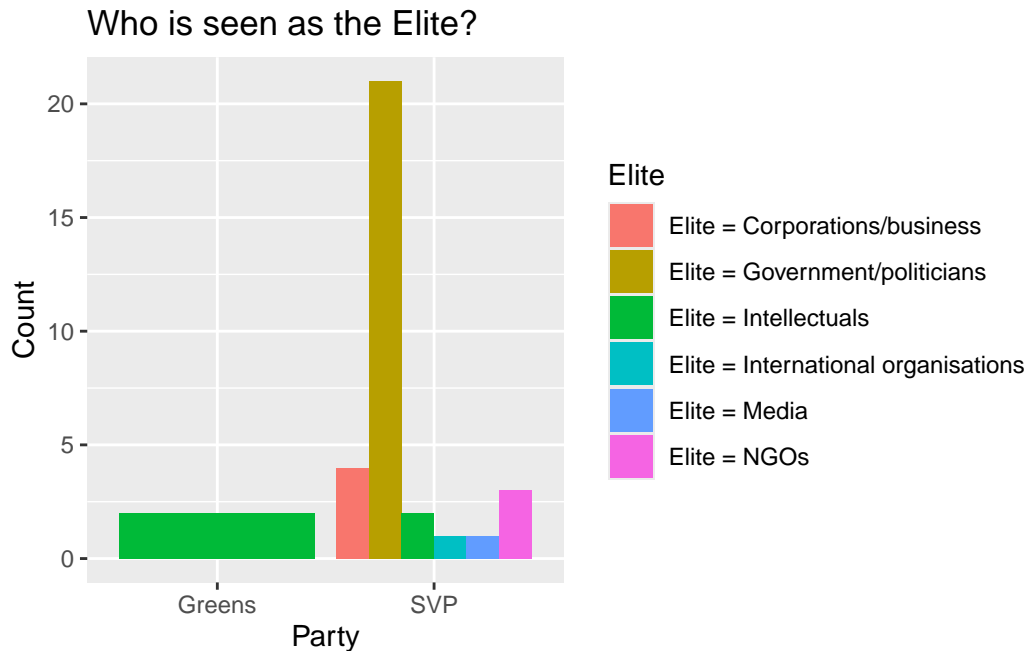


Figure 4.3: Who is seen as elite

Finally, a multiple correspondence analysis (MCA) was conducted to explore and visualize the underlying relationships among categorical variables related to populist discourse, party affiliation, and environmental support. This analysis shows associations between different dimensions of discourse, particularly how certain types of discourse align with specific parties or positions on environmental issues. The results of the MCA are presented in *Figure 4.4*.

The multiple correspondence analysis reveals a clear separation between the Greens and the SVP in terms of their discourse characteristics and associations. On the left side, the Green party is associated with pluralistic discourse and support for environmental politics, with very limited linkage to populist elements or “people” and “elite” group references. On the right

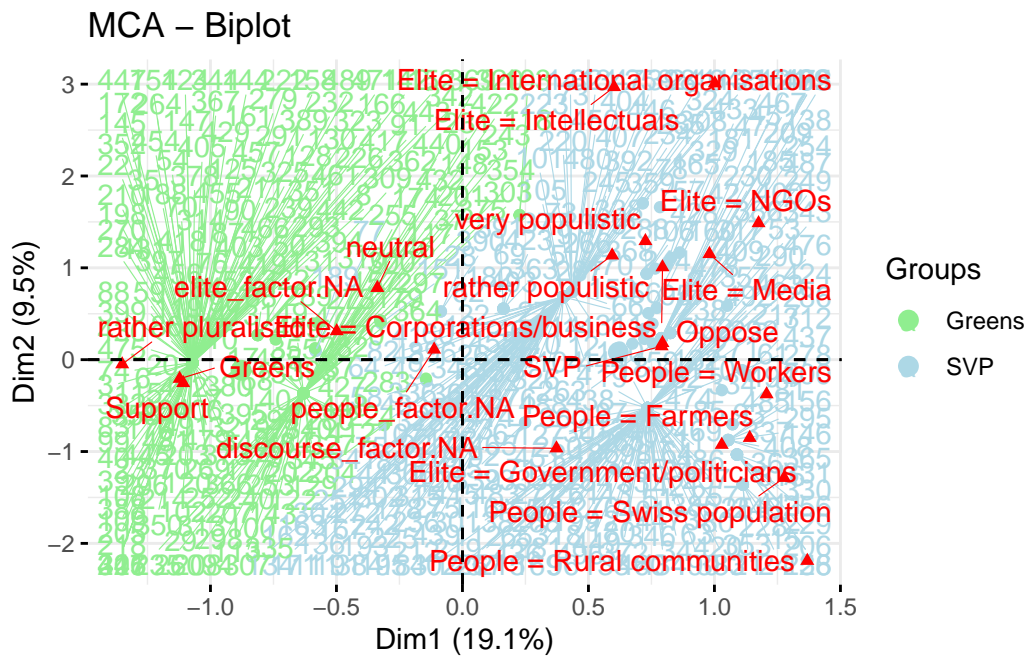


Figure 4.4: MCA Plot

side, the SVP clusters with rather or very populist discourse, opposition to environmental politics, and strong associations with the specific “people” and elite groups.

5 Conclusion & Reflexion

This research project aimed to develop a category system that could be used, via an AI API, to code large volumes of media text and thereby quantitatively analyze a qualitative research question: how do the SVP and the Green Party express populist discourse in the context of environmental politics within Swiss mainstream media? The project was exploratory and functioned as a first attempt. It proceeded step-by-step, with continuous quality checks and trial-and-error approaches, in order to eventually arrive at the desired data set. Initially, a large amount of data was collected using the Swissdox API, which provides access to Swiss media articles. In a second step, these texts were filtered and coded using AI. The original objective of the project was fulfilled: the relevant data was collected and coded. However, there are several important takeaways and, especially, limitations that affect the validity of the results, particularly concerning the question of party-specific populist discourse.

First, the OpenAI API encountered capacity issues, resulting in approximately 8% of responses failing. These errors could not be corrected or re-coded, which limits the final sample and thus affects generalizability and external validity.

Second, in a manual quality check, I personally coded 2 out of 20 cases differently than the AI. This raises concerns about the reliability and consistency of AI-driven content analysis. Furthermore, the original sub-question, how each party (SVP and the Greens) defines “the elite” and “the people”, could only be answered descriptively due to the small number of relevant cases. It also remains unclear whether the AI might be biased itself. Given that the SVP is frequently associated with populism in public discourse, while the Greens are

generally not, it is possible that such associations influenced the AI’s coding decisions. This is a crucial aspect that would require more systematic examination in future research.

All in all, the main research question could be answered and the findings align with previous literature: in Switzerland, populism is more strongly associated with the political right than the left, with the SVP being the most prominent carrier of populist narratives. The party effectively utilizes “the people vs. the elite” framing in media discourse, whereas the Greens tend to adopt a more pluralistic tone.

This analysis offers wide opportunity for expansion. For instance, instead of media articles, it would be very interesting to examine social media posts during election campaigns or before initiatives or referendums. In such contexts, discourse often becomes even more direct and emotionally charged, targeting the electorate in more explicit ways.

On a personal note, this project allowed me to contribute a valuable methodological approach to academic research, especially in terms of large-scale text analysis. It has also laid the foundation for my upcoming master’s thesis. The integration of the OpenAI API proved to be highly useful, and learning how to implement and use such a tool technically is extremely valuable, especially as research continues to evolve alongside digital tools.

Word count: 4131

Bibliography

- Baillat, Lisa. 2019. “So Steht Es Um Den Populismus in Der Schweiz.” *Tagesanzeiger*, March. <https://www.tagesanzeiger.ch/so-steht-es-um-den-populismus-in-der-schweiz-475933091123>.
- Caulcutt, Clea. 2024. “French Left Beats Le Pen’s Far Right in Election Shock.” *Politico*, July. <https://www.politico.eu/article/france-legislative-election-2024-second-round-front-populaire-jean-luc-melenchon-raphael-glucksmann-shock-victory/>.
- Department, Statista Research. 2024. “Share of Votes Earned by the Five-Star Movement in Parliamentary and European Elections from 2013 to 2024. Statista.” July 4, 2024. <https://www.statista.com/statistics/1466339/five-star-movement-share-of-votes/>.
- Eckhard, Jesse. 2015. “Rechts- Und Linkspopulismus Auf Dem Vormarsch.” *NZZ*, July. <https://www.nzz.ch/meinung/kommentare/rechts--und-linkspopulismus-auf-dem-vormarsch-ld.731715>.
- Gadze, Jan. 2023. “How Climate Change Discourse Manifests Under a Right-Wing Populist Narrative Framework, Based on Discourse Analysis of the Swiss Weekly Magazine ”Die Weltwoche”.” PhD thesis, Zprich: Zürich.
- Kirby, Paul. 2022. “Giorgia Meloni: Italy’s Far-Right Wins Election and Vows to Govern for All. BBC.” September 26, 2022. <https://www.bbc.com/news/world-europe-63029909>.
- Kubina, Mario. 2025. “Die Linke Ist Zurück: Das Sind Die Gründe Für Den Wahlerfolg,” February. <https://www.br.de/nachrichten/deutschland-welt/die-linke-ist-zurueck-das-sind-die-gruende-fuer-den-wahlerfolg,UdkFt7Q>.
- Kulin, Joakim, and Ingemar Johansson Sevä. 2024. “Rightwing Populist Attitudes and

- Public Support for Climate Policies in Western Europe: Widening the Scope Using the European Social Survey.” Edited by Anamika Barua. *PLOS Climate* 3 (10): e0000443. <https://doi.org/10.1371/journal.pclm.0000443>.
- M5S. 2024. “Energia, Dove Vogliamo Andare? Movimento 5 Stelle.” January 9, 2024. <https://www.movimento5stelle.eu/energia-dove-vogliamo-andare/>.
- March, Luke. 2017. “Left and Right Populism Compared: The British Case.” *The British Journal of Politics and International Relations* 19 (2): 282–303. <https://doi.org/10.1177/1369148117701753>.
- McCright, Aaron M. 2011. “Cool Dudes: The Denial of Climate Change Among Conservative White Males in the United States.”
- Mudde, Cas. 2004. “The Populist Zeitgeist.” *Government and Opposition* 39 (4): 541–63. <https://doi.org/10.1111/j.1477-7053.2004.00135.x>.
- Mudde, Cas, and Cristóbal Rovira Kaltwasser. 2013. “Exclusionary Vs. Inclusionary Populism: Comparing Contemporary Europe and Latin America.” *Government and Opposition* 48 (2): 147–74. <https://doi.org/10.1017/gov.2012.11>.
- . 2018. “Studying Populism in Comparative Perspective: Reflections on the Contemporary and Future Research Agenda.” *Comparative Political Studies* 51 (13): 1667–93. <https://doi.org/10.1177/0010414018789490>.
- Noor, Dharna. 2025. “Trump Signs Order to Withdraw US from Paris Climate Agreement for Second Time,” January. <https://www.theguardian.com/us-news/2025/jan/20/trump-executive-order-paris-climate-agreement>.
- OpenAI. n.d. “ChatGPT 4.0. OpenAI.” Chatbot. <https://chatgpt.com/>.
- Pauchard, Olivier, Thomas Stephens, and Pauline Turuban. 2024. “The Right-Wing Swiss People’s Party Is the Big Winner of Sunday’s Swiss Federal Elections. The Left-Wing Green Party Is the Big Loser.” *Swissinfo*, October. <https://www.swissinfo.ch/eng/politics/elections-2023-swiss-parliament-looks-set-to-lean-right/48902762>.
- Storz, Anna, and Julian Bernauer. 2018. “Supply and Demand of Populism: A Quantitative Text Analysis of Cantonal SVP Manifestos” 24.
- Winberg, Oscar. 2017. “Insult Politics: Donald Trump, Right-Wing Populism, and Incendi-

ary Language.” *European Journal of American Studies* 12 (2). <https://doi.org/10.4000/ejas.12132>.

Zürich, Universität. 2025. “Swissdox.” <https://liri.linguistik.uzh.ch/wiki/langtech/swissdox/start>.

Appendix: Prompt

You are an expert in political discourse analysis with knowledge of Swiss politics.

Classify the article according to the following 6 variables. If unclear or not applicable, use 99.

1. relevance: Does it discuss Swiss environmental politics?

- 0 = No
- 1 = Yes

Example 1: “Während Tausende auf den Strassen für mehr Klimaschutz demonstrieren, spricht SVP-Präsident Albert Rösti von «Panikmache». Die Diskussion rund um Umweltproblematik hat im Wahljahr aber an Fahrt aufgenommen. Ist es nun Zeit für die SVP, die Taktik zu ändern?” -> “1”

Example 2: “Um die Finanzierung der AHV wird heftig gerungen. In der ständerätlichen Sozialkommission kommt es nun zum Showdown. Die Rechte versucht, einen Mitte-Links-Deal zu verhindern. Blick erklärt, worum es geht.” -> “0”

2. party: If relevance = 1, which party is mentioned?

- 1 = SVP
- 2 = JSVP
- 3 = GPS
- 4 = Junge Grüne

- 99 = None/Other

If several parties in the list (1-4) are mentioned please pick the pre-dominant one and use the provided code.

Example 1: “Während Tausende auf den Strassen für mehr Klimaschutz demonstrieren, spricht SVP-Präsident Albert Rösti von «Panikmache». Die Diskussion rund um Umweltproblematik hat im Wahljahr aber an Fahrt aufgenommen. Ist es nun Zeit für die SVP, die Taktik zu ändern?” -> “1”

Example 2: “Die Jungen Grünen holten neben ihrer Mutterpartei auch die SP, Juso, zahlreiche Umweltorganisationen wie Greenpeace und die Klimaseniorinnen sowie die Kleinbauern-Vereinigung an Bord. Zudem unterstützen 83 Schweizer Wissenschaftlerinnen und Wissenschaftler in einer gemeinsamen Erklärung die Initiative.” -> “4”

3. support: Does the party support the environmental issue?

- 1 = Support
- 2 = Oppose
- 99 = Unclear/Not applicable

Example 1: “Während Tausende auf den Strassen für mehr Klimaschutz demonstrieren, spricht SVP-Präsident Albert Rösti von «Panikmache». Die Diskussion rund um Umweltproblematik hat im Wahljahr aber an Fahrt aufgenommen. Ist es nun Zeit für die SVP, die Taktik zu ändern?” -> “2” # Example 2: “Die Jungen Grünen holten neben ihrer Mutterpartei auch die SP, Juso, zahlreiche Umweltorganisationen wie Greenpeace und die Klimaseniorinnen sowie die Kleinbauern-Vereinigung an Bord. Zudem unterstützen 83 Schweizer Wissenschaftlerinnen und Wissenschaftler in einer gemeinsamen Erklärung die Initiative.” -> “1”

4. discourse: Tone of party framing

- 1 = Very pluralistic

- 2 = Rather pluralistic
- 3 = Neutral
- 4 = Rather populist
- 5 = Very populist
- 99 = Not applicable

Example 1: “Während Tausende auf den Strassen für mehr Klimaschutz demonstrieren, spricht SVP-Präsident Albert Rösti von «Panikmache». Die Diskussion rund um Umweltproblematik hat im Wahljahr aber an Fahrt zugenommen. Ist es nun Zeit für die SVP, die Taktik zu ändern?” -> “4 - rather populist” because of the word “Panikmache”

Example 2: “Die Jungen Grünen holten neben ihrer Mutterpartei auch die SP, Juso, zahlreiche Umweltorganisationen wie Greenpeace und die Klimaseniorinnen sowie die Kleinbauern-Vereinigung an Bord. Zudem unterstützen 83 Schweizer Wissenschaftlerinnen und Wissenschaftler in einer gemeinsamen Erklärung die Initiative.” -> “2 - rather pluralistic” because different interest groups are mentioned

5. elite: If discourse = 4 or 5, how is “the elite” portrayed?

- 1 = Government/politicians
- 2 = Corporations/business
- 3 = Media
- 4 = Intellectuals
- 5 = International organisations
- 6 = NGOs

- 99 = Other, not applicable

Example 1: “Während Tausende auf den Strassen für mehr Klimaschutz demonstrieren, spricht SVP-Präsident Albert Rösti von «Panikmache». Die Diskussion rund um Umweltproblematik hat im Wahljahr aber an Fahrt zugenommen. Ist es nun Zeit für die SVP, die Taktik zu ändern?” -> “99”

Example 2: “Die SVP hat heute ihr Umweltprogramm vorgestellt und dabei klargemacht: «Wir lassen uns von Klima-Apokalyptikern nicht vorschreiben, wie wir zu leben haben!» Die Partei setzt auf Eigenverantwortung statt «Zwangsverzicht» und will die Schweizer Landwirtschaft stärken, statt sie mit neuen Regeln zu belasten.” -> “6 - Environmental activists / NGOs”

6. people: How is “the people” described?

- 1 = Swiss population
- 2 = Workers
- 3 = Rural communities
- 4 = Traditionalists
- 5 = Small businesses
- 6 = Farmers
- 99 = Other/not applicable

Example 1: “Während Tausende auf den Strassen für mehr Klimaschutz demonstrieren, spricht SVP-Präsident Albert Rösti von «Panikmache». Die Diskussion rund um Umweltproblematik hat im Wahljahr aber an Fahrt zugenommen. Ist es nun Zeit für die SVP, die Taktik zu ändern?” -> “99”

Example 2: “Die SVP hat heute ihr Umweltprogramm vorgestellt und dabei klargemacht: «Wir lassen uns von Klima-Apokalyptikern nicht vorschreiben, wie wir zu leben haben!» Die Partei setzt auf Eigenverantwortung statt «Zwangsverzicht» und will die Schweizer Landwirtschaft stärken, statt sie mit neuen Regeln zu belasten.” -> “6”

Respond with the 6 numbers only, separated by spaces. No extra text.

Example:

1 1 2 4 6 1

Article: