

Speech	Speech	Cosine_similarity	Pearson_corr	Euclidean_raw	Euclidean_z	CSI
Hitler pregov.	Hitler gov.	0.954	-0.291	2.236	1.125	0.654
Hitler pregov.	Trump rallies	0.871	0.311	6.000	2.005	0.763
Hitler pregov.	Trump pres. 2017–2021	0.576	-0.585	8.062	3.076	0.392
Hitler pregov.	Trump pres.2025	-0.430	-0.525	13.379	4.814	-0.096
Hitler pregov.	Sturgeon	-0.934	0.071	25.593	8.125	-0.199
Hitler pregov.	Meloni	-0.937	0.746	27.404	8.917	-0.032
Hitler pregov.	Orban	0.610	-0.163	9.110	2.868	0.514
Hitler gov.	Trump rallies	0.792	-0.558	6.245	1.931	0.506
Hitler gov.	Trump pres. 2017–2021	0.713	0.359	7.071	2.433	0.696
Hitler gov.	Trump pres.2025	-0.379	-0.285	12.884	4.306	-0.011
Hitler gov.	Sturgeon	-0.920	0.460	24.698	7.636	-0.095
Hitler gov.	Meloni	-0.977	-0.277	26.721	8.537	-0.308
Hitler gov.	Orban	0.654	0.118	7.874	2.370	0.607
Trump rallies	Trump pres. 2017–2021	0.392	-0.493	5.745	2.042	0.323
Trump rallies	Trump pres.2025	-0.286	0.006	9.327	3.365	0.109
Trump rallies	Sturgeon	-0.805	0.104	20.952	6.555	-0.126
Trump rallies	Meloni	-0.842	0.003	22.869	7.396	-0.170
Trump rallies	Orban	0.343	-0.539	7.681	2.355	0.287
Trump pres. 2017–2021	Trump pres.2025	0.040	0.387	7.211	2.282	0.367
Trump pres. 2017–2021	Sturgeon	-0.722	-0.347	18.601	5.569	-0.198
Trump pres. 2017–2021	Meloni	-0.678	-0.088	20.199	6.311	-0.111
Trump pres. 2017–2021	Orban	0.338	-0.180	5.292	1.862	0.374
Trump pres.2025	Sturgeon	0.145	-0.657	16.125	4.797	0.158
Trump pres.2025	Meloni	0.286	-0.275	17.088	5.245	0.324
Trump pres.2025	Orban	-0.489	-0.377	9.592	3.363	-0.089
Sturgeon	Meloni	0.920	-0.449	5.831	2.166	0.598
Sturgeon	Orban	-0.589	0.147	19.026	5.977	-0.008
Meloni	Orban	-0.654	-0.112	21.024	6.845	-0.105

Table S4. Rhetorical similarity across leaders’ speech corpora. Pairwise cosine similarity, Pearson correlation, Euclidean distance, and the Composite Similarity Index (CSI) were computed across all speech sets. Hitler’s pre- and government speeches showed the highest internal consistency ($\cos = 0.954$; $CSI = 0.654$; $Euclid_z = 1.125$), indicating structural continuity within the authoritarian pole. Trump’s rallies were strongly aligned with Hitler’s early rhetoric ($\cos = 0.871$; $CSI = 0.763$), whereas his 2017–2021 and 2025 presidential speeches remained within the same rhetorical field but showed declining coherence ($CSI = 0.392$ – 0.696). Orban occupied an intermediate position, bridging populist dramatization and institutional language ($\cos = 0.654$; $CSI = 0.607$). Meloni and Sturgeon formed a separate democratic–institutional pole, marked by consistently negative similarity to the authoritarian cluster (e.g., Hitler gov vs. Meloni: $\cos = -0.977$; $CSI = -0.308$; Sturgeon vs. Hitler gov: $\cos = -0.920$; $Euclid_z = 7.636$) and high mutual alignment ($\cos = 0.920$; $CSI = 0.598$). Together, these results delineate two coherent rhetorical poles—authoritarian (Hitler, Trump, Orban) and democratic (Sturgeon, Meloni)—connected by gradual, rather than categorical, transitions