

Appendix

Table 1: Journals analysed as ranked by Journal Citation Report 2020.

Journal name	Category 1	Category 2	JIF 2020
POLITICAL ANALYSIS	PS		8.6
Annual Review of Political Science	PS		8.1
INTERNATIONAL AFFAIRS	IR		7.9
POLITICAL COMMUNICATION	PS		7.9
AMERICAN POLITICAL SCIENCE REVIEW	PS		7.8
Review of International Organizations	IR	PS	7.8
INTERNATIONAL SECURITY	IR		7.5
JOURNAL OF EUROPEAN PUBLIC POLICY	PS		7.3
JOURNAL OF PUBLIC ADMINISTRATION RESEARCH AND THEORY	PS		7.0
ENVIRONMENTAL POLITICS	PS		6.7
International Journal of Press-Politics	PS		6.6
INTERNATIONAL ORGANIZATION	IR	PS	6.3
POLITICAL BEHAVIOR	PS		6.2
AMERICAN JOURNAL OF POLITICAL SCIENCE	PS		6.1
Regulation & Governance	PS		5.4
JOURNAL OF DEMOCRACY	PS		5.3
BRITISH JOURNAL OF POLITICAL SCIENCE	PS		5.2
COMPARATIVE POLITICAL STUDIES	PS		5.1
POLICY STUDIES JOURNAL	PS		5.1
EUROPEAN JOURNAL OF POLITICAL RESEARCH	PS		4.9
FOREIGN AFFAIRS	IR		4.8
NEW POLITICAL ECONOMY	IR	PS	4.7
REVIEW OF INTERNATIONAL POLITICAL ECONOMY	IR	PS	4.7
Socio-Economic Review	PS		4.4
POLITICAL PSYCHOLOGY	PS		4.3
MARINE POLICY	IR		4.2
Policy and Society	PS		4.2
PUBLIC OPINION QUARTERLY	PS		4.2
European Political Science Review	PS		4.1
Geopolitics	PS		4.1
Global Environmental Politics	IR	PS	4.1
JOURNAL OF PEACE RESEARCH	IR	PS	4.1
EUROPEAN JOURNAL OF INTERNATIONAL RELATIONS	IR		4.0

JCMS-Journal of Common Market Studies	IR	PS	4.0
WEST EUROPEAN POLITICS	PS		4.0
Territory Politics Governance GOVERNANCE-AN	PS		3.9
INTERNATIONAL JOURNAL OF POLICY ADMINISTRATION AND INSTITUTIONS			3.8
Perspectives on Politics	PS		3.8
Policy and Internet	PS		3.8
POLICY AND POLITICS	PS		3.8
Political Science Research and Methods	PS		3.8
South European Society and Politics	PS		3.8
International Political Sociology	IR	PS	3.7
POLITICAL GEOGRAPHY	PS		3.7
PUBLIC ADMINISTRATION	PS		3.7
Chinese Journal of International Politics	IR		3.6
Cooperation and Conflict JOURNAL OF CONFLICT	IR	PS	3.6
RESOLUTION	IR	PS	3.5
JOURNAL OF POLITICS	PS		3.5
SECURITY DIALOGUE	IR		3.5
EUROPEAN UNION POLITICS	PS		3.4
WORLD POLITICS	IR	PS	3.4
COMMON MARKET LAW REVIEW	IR		3.3
GOVERNMENT AND OPPOSITION	PS		3.3
AFRICAN AFFAIRS	PS		3.2
Political Studies Review	PS		3.2
AMERICAN JOURNAL OF INTERNATIONAL LAW	IR		3.1
Cambridge Review of International Affairs	IR	PS	3.1
Democratization	PS		3.1
POLITICS & SOCIETY	PS		3.1
Research & Politics	PS		3.1
International Peacekeeping	IR		3.0
POST-SOVIET AFFAIRS	PS		3.0
INTERNATIONAL STUDIES QUARTERLY	IR	PS	2.9
MILLENNIUM-JOURNAL OF INTERNATIONAL STUDIES	IR		2.9
International Theory	IR	PS	2.8
PARTY POLITICS	PS		2.8
International Studies Review	IR	PS	2.7
LOCAL GOVERNMENT STUDIES	PS		2.7
POLITICAL SCIENCE QUARTERLY	PS		2.7
REVIEW OF INTERNATIONAL STUDIES	IR		2.7

TERRORISM AND POLITICAL VIOLENCE	IR	PS	2.7
CONFLICT MANAGEMENT AND PEACE SCIENCE	IR		2.6
Contemporary Security Policy	IR	PS	2.6
International Environmental Agreements-Politics Law and Economics	PS		2.6
Mediterranean Politics	IR	PS	2.6
POLITICAL RESEARCH QUARTERLY	PS		2.6
AMERICAN POLITICS RESEARCH	PS		2.5
British Politics	PS		2.5
International Studies Perspectives	IR		2.5
Journal of Public Policy	PS		2.5
Politics	IR	PS	2.5
PS-POLITICAL SCIENCE & POLITICS	PS		2.5
PUBLIUS-THE JOURNAL OF FEDERALISM	PS		2.5
SECURITY STUDIES	IR		2.5
Acta Politica	PS		2.4
British Journal of Politics & International Relations	IR	PS	2.4
European Journal of Political Economy	PS		2.4
JOURNAL OF STRATEGIC STUDIES	IR	PS	2.4
PACIFIC REVIEW	IR		2.4
POLITICAL STUDIES	PS		2.4
EMERGING MARKETS FINANCE AND TRADE	IR		2.3
International Relations of the Asia-Pacific	IR		2.3
Journal of Chinese Governance	PS		2.3
Social Movement Studies	PS		2.3
German Politics	PS		2.2
Globalizations	IR		2.2
Journal of Information Technology & Politics	PS		2.2
Journal of International Relations and Development	IR	PS	2.2
Journal of Intervention and Statebuilding	IR		2.2
JOURNAL OF POLITICAL PHILOSOPHY	PS		2.2
LEGISLATIVE STUDIES QUARTERLY	PS		2.2
STUDIES IN COMPARATIVE INTERNATIONAL DEVELOPMENT	IR	PS	2.2

ANNALS OF THE AMERICAN ACADEMY OF POLITICAL AND SOCIAL SCIENCE	PS	2.1
BULLETIN OF THE ATOMIC SCIENTISTS	IR	2.1
Critical Policy Studies	PS	2.1
ELECTORAL STUDIES	PS	2.1
EUROPE-ASIA STUDIES	PS	2.1
Global Policy	IR	PS
International Feminist Journal of Politics	PS	2.1
INTERNATIONAL JOURNAL OF PUBLIC OPINION RESEARCH	PS	2.1
International Relations	IR	2.1
Politics & Gender	PS	2.1
Politics and Governance	PS	2.1
PROBLEMS OF POST-COMMUNISM	PS	2.1
Comparative European Politics	PS	2.0
INTERNATIONAL POLITICAL SCIENCE REVIEW	PS	2.0
Journal of Women Politics & Policy	PS	2.0
NEW LEFT REVIEW	PS	2.0
PUBLIC CHOICE	PS	2.0
Quarterly Journal of Political Science	PS	2.0
Review of Policy Research	PS	2.0
European Security	IR	1.9
Asia Europe Journal	IR	1.8
Ethics & International Affairs	IR	1.8
European Journal of International Law	IR	1.8
Foreign Policy Analysis	IR	1.8
Peacebuilding	IR	1.8
SURVIVAL	IR	1.7
Human Rights Law Review	IR	1.6
International Journal of Transitional Justice	IR	1.6
JOURNAL OF THE JAPANESE AND INTERNATIONAL ECONOMIES	IR	1.6
World Trade Review	IR	1.6
Journal of European Integration	IR	1.5
OCEAN DEVELOPMENT AND INTERNATIONAL LAW	IR	1.5
REVIEW OF WORLD ECONOMICS	IR	1.5
WASHINGTON QUARTERLY	IR	1.5
AUSTRALIAN JOURNAL OF INTERNATIONAL AFFAIRS	IR	1.4
Chinese Journal of International Law	IR	1.4
INTERNATIONAL INTERACTIONS	IR	1.4
Journal of Contemporary European Studies	IR	1.4

STANFORD JOURNAL OF INTERNATIONAL LAW	IR	1.4
WORLD ECONOMY	IR	1.4
Contemporary Southeast Asia	IR	1.3
Intelligence and National Security	IR	1.3
LATIN AMERICAN POLITICS AND SOCIETY	IR	1.3
SPACE POLICY	IR	1.2
ALTERNATIVES	IR	1.1
COMMUNIST AND POST-COMMUNIST STUDIES	IR	1.1
Revista Brasileira de Politica Internacional	IR	1.1
JOURNAL OF WORLD TRADE	IR	1.0
GLOBAL GOVERNANCE	IR	0.9
International Politics	IR	0.9
Asian Perspective	IR	0.8
INTERNATIONAL JOURNAL	IR	0.8
CORNELL INTERNATIONAL LAW JOURNAL	IR	0.7
Journal of Human Rights	IR	0.7
Asian Journal of WTO & International Health Law and Policy	IR	0.6
International Journal of Conflict and Violence	IR	0.6
Pacific Focus	IR	0.6
WAR IN HISTORY	IR	0.6
COLUMBIA JOURNAL OF TRANSNATIONAL LAW	IR	0.5
Journal of Cold War Studies	IR	0.5
MIDDLE EAST POLICY	IR	0.5
CURRENT HISTORY	IR	0.4
KOREAN JOURNAL OF DEFENSE ANALYSIS	IR	0.4
Diplomacy & Statecraft	IR	0.3
INTERNASJONAL POLITIKK	IR	0.3
Korea Observer	IR	0.3
Uluslararası İlişkiler-International Relations	IR	0.3
Asia-Pacific Review	IR	
Foro Internacional	IR	
Global Society	IR	
IPRI Journal	IR	
Revista UNISCI	IR	
Strategic Analysis	IR	

Statistical Inference Papers Confusion Matrix

		Actual
		Non-statistical
		Statistical
Predicted	Non-statistical	293
	Statistical	27
Statistical	Non-statistical	16
	Statistical	162

Confusion matrix statistics

Sensitivity 0.95	Specificity 0.86	Precision 0.92	Recall 0.95	Balanced Accuracy 0.9
Accuracy 0.91			Kappa 0.81	

Figure 1: Support vector machine (SVM) confusion matrix for statistical inference paper classification.

Experiment Papers Confusion Matrix

		Actual
		Non-experiment
Predicted	Non-experiment	64
	Experiment	8
Experiment	Non-experiment	11
	Experiment	46

Confusion matrix statistics

Sensitivity 0.85	Specificity 0.85	Precision 0.89	Recall 0.85	Balanced Accuracy 0.85
Accuracy 0.85				Kappa 0.7

Figure 2: Support vector machine (SVM) confusion matrix for experiment paper classification.

Identifying papers relying on data analysis

We defined data analysis papers as those that made any display or presentation of numerical data, most commonly in tables and graphs. Maps that included data-rich overlays and required software to produce were included in this category.

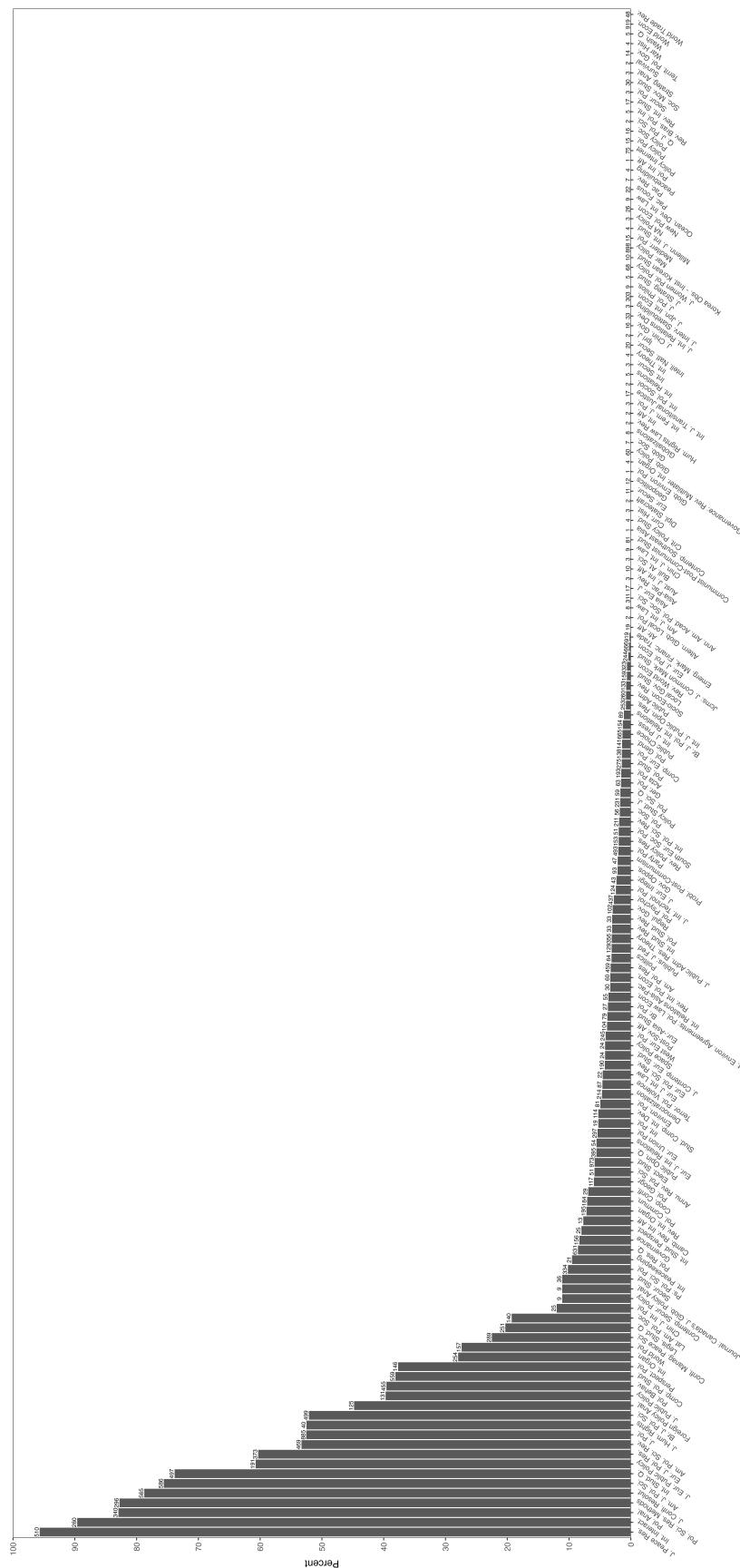


Figure 3: Open data by journal.

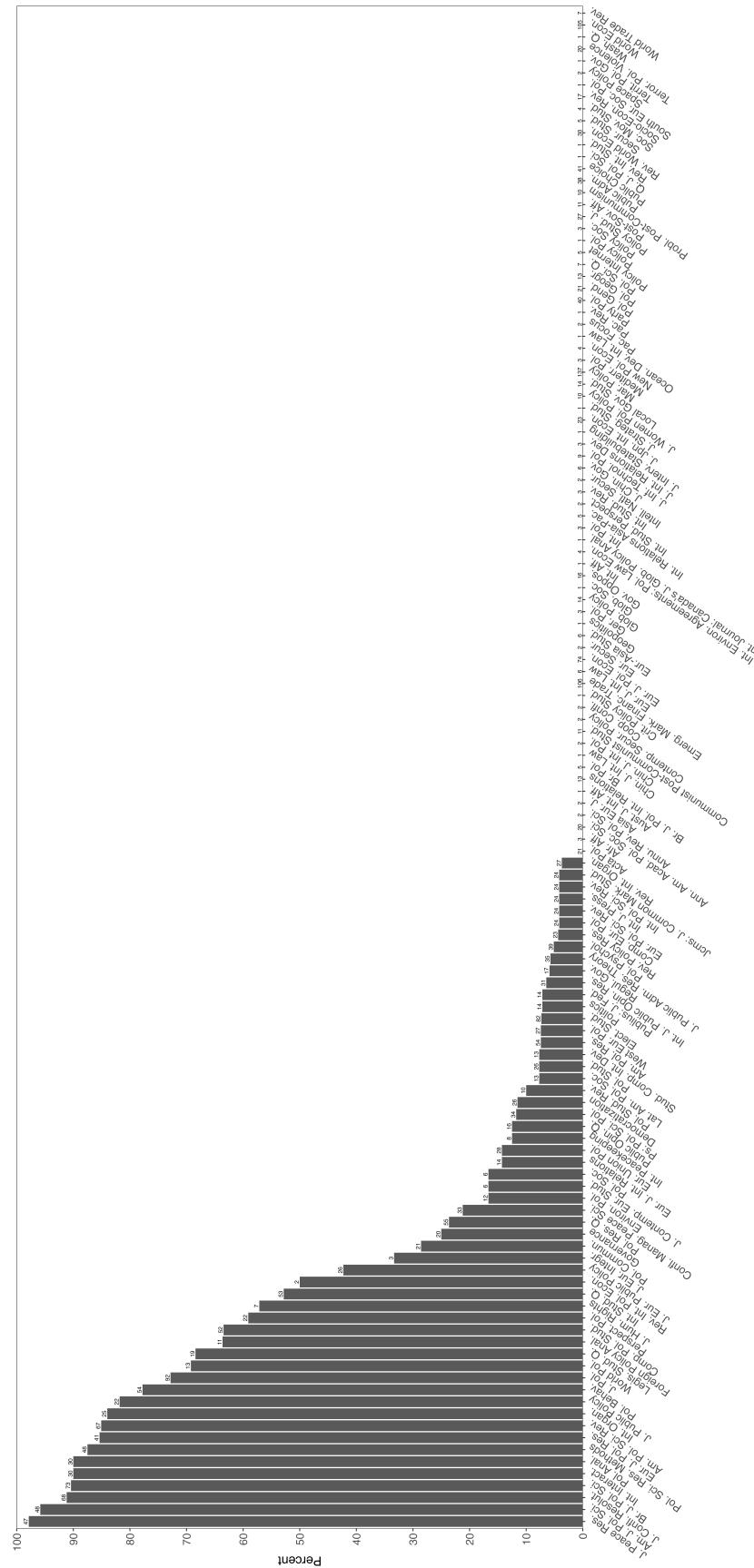


Figure 4: Open data by journal in 2020.

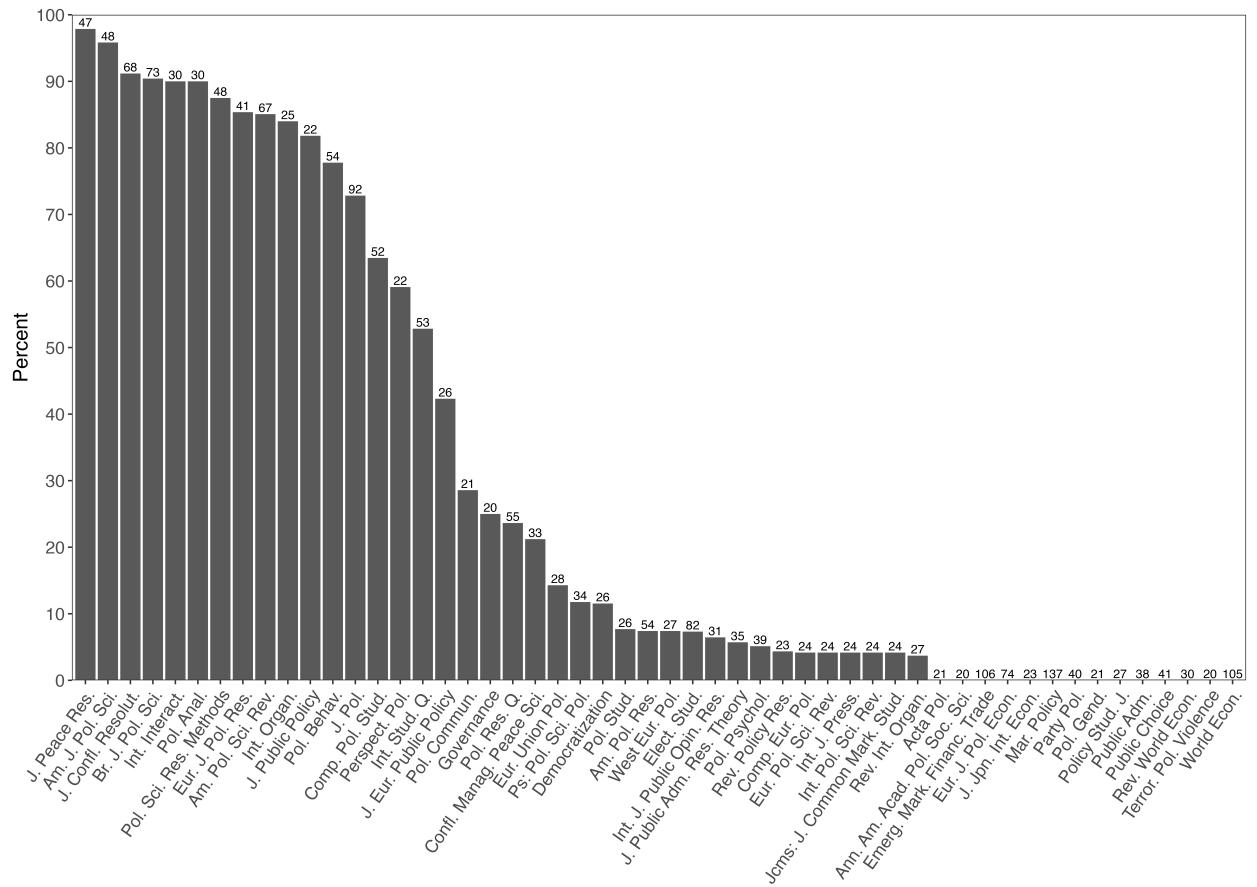


Figure 5: Open data by journal (with over 20 statistical inference papers) in 2020.

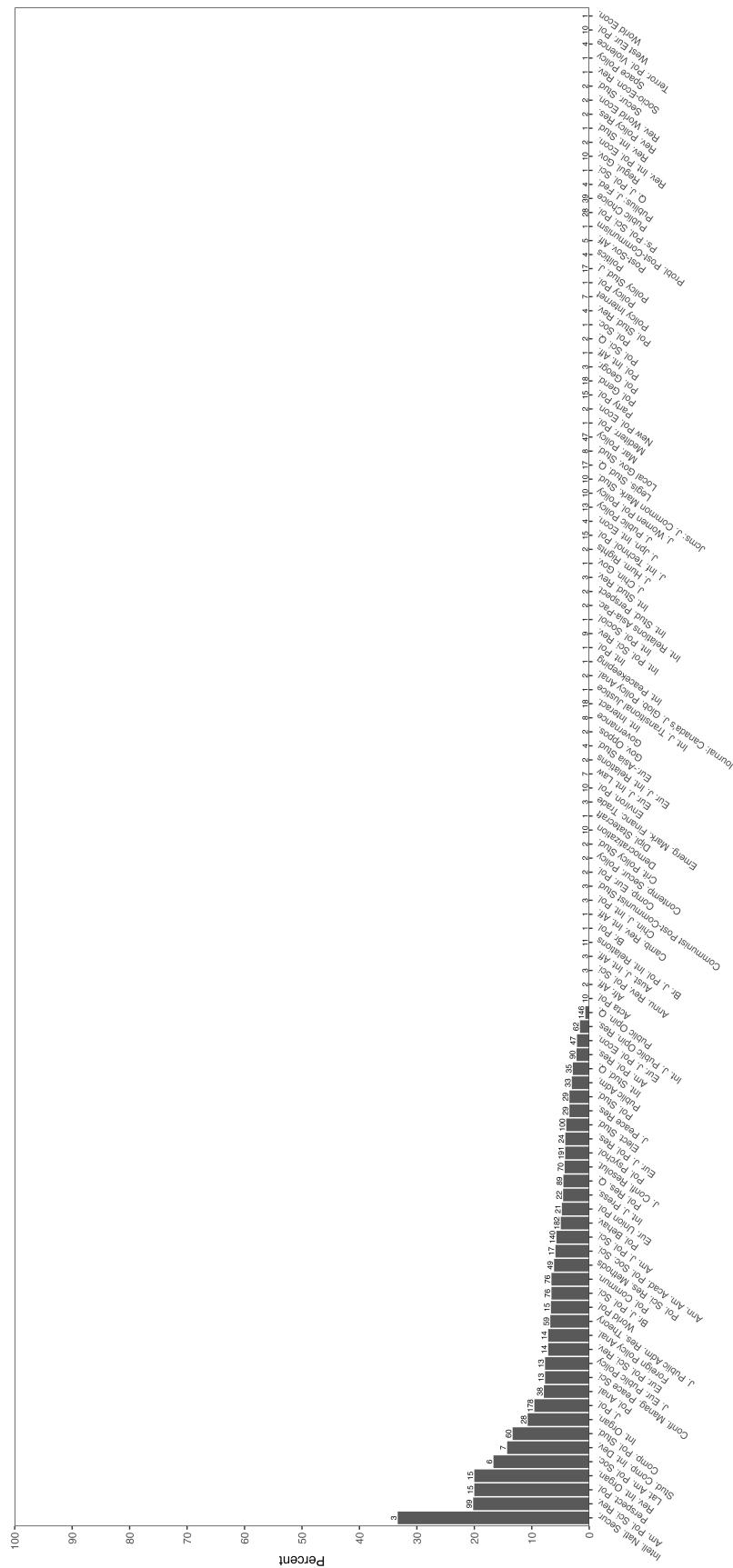


Figure 6: Preregistration by journal.

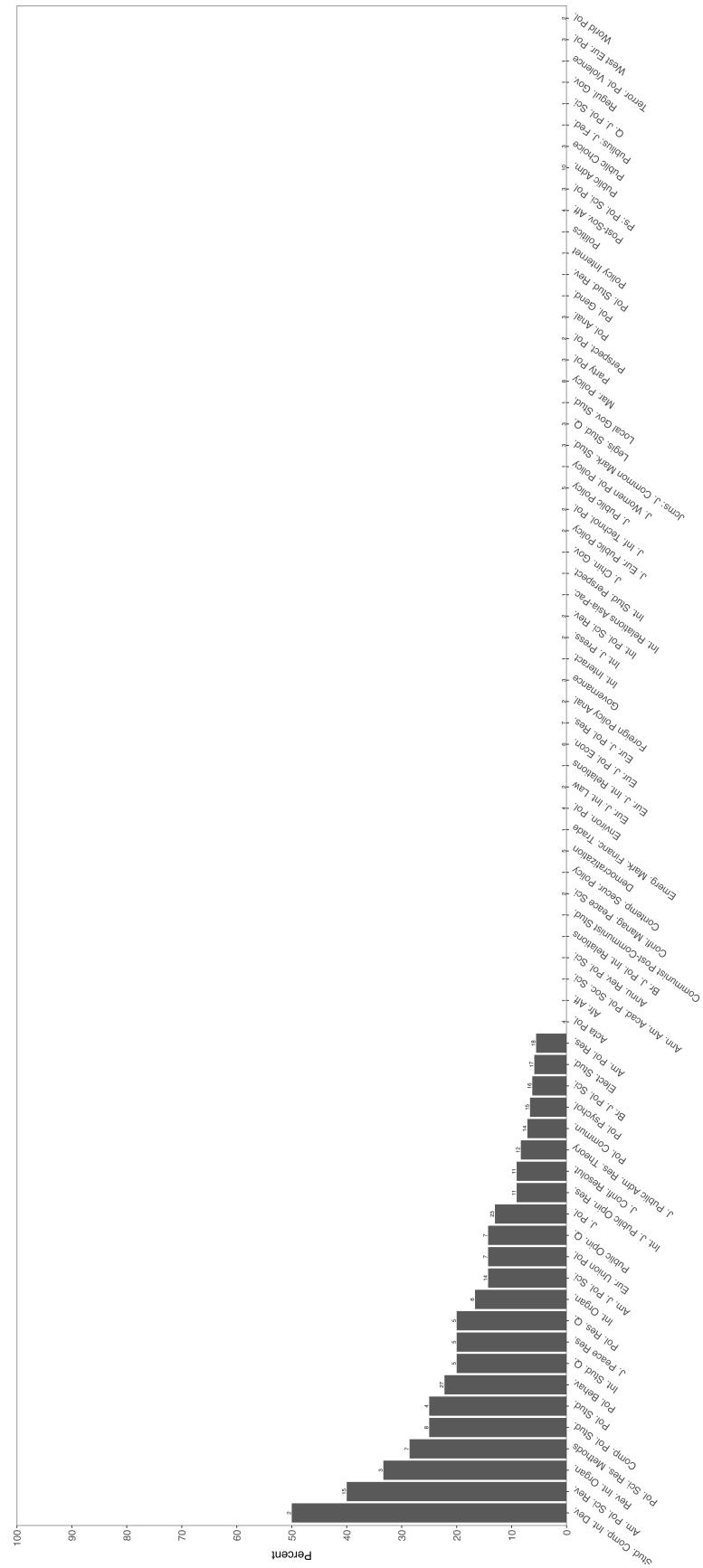


Figure 7: Preregistration by journal in 2020.

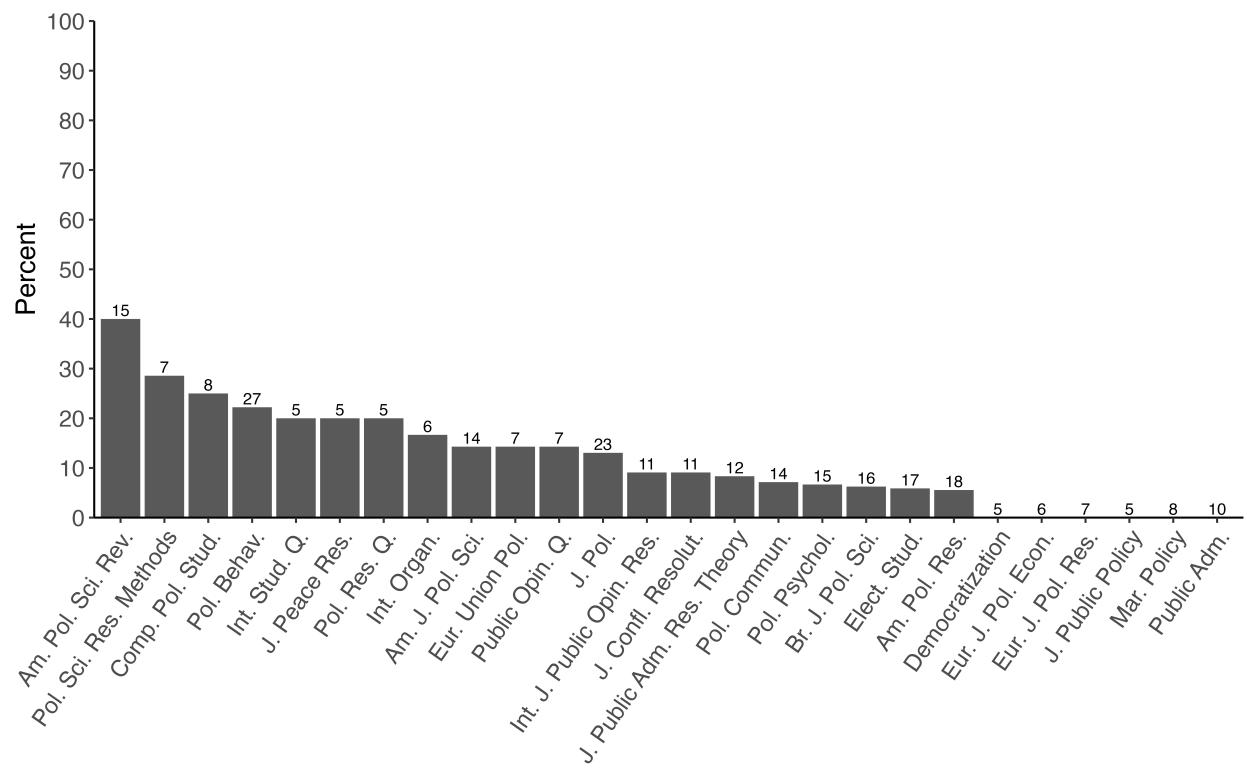


Figure 8: Preregistration by journal (with over 5 experimental papers) in 2020.

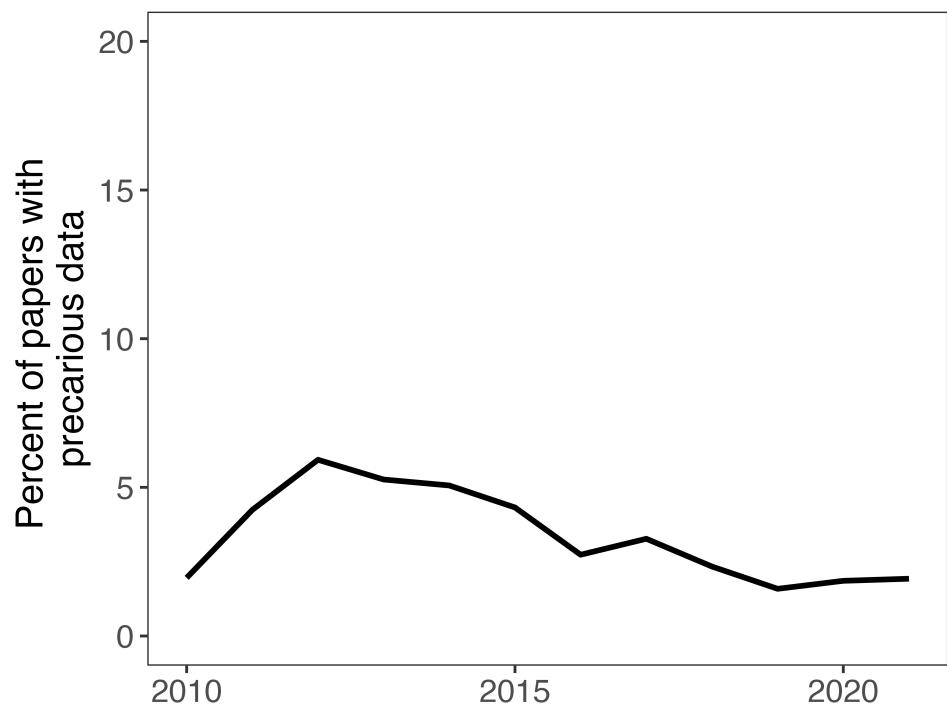


Figure 9: Precarious data by year.