

ONLINE APPENDIX: Media Ownership and News Coverage of International Conflict

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A Data Overview

The data used in the manuscript includes all newspaper articles available through the LexisNexis and ISI Emerging Markets databases, indexed by the following terms – in English or the source language – and published between the following dates

- ‘Libya’ – published between December 18, 2010 (beginning of Arab Spring) and October 23, 2011 (end of Libyan Civil War)
- ‘Iraq’ – published between 20 December 2002 (three months prior to military operations) and 28 April 2003 (three weeks after the fall of Baghdad)
- ‘Afghanistan’ – published between 10 September 2001 (the day preceding the 9/11 terrorist attacks) and 27 October 2001 (three weeks following the launch of U.S. air strikes)
- ‘Kosovo’ – published between 20 December 1998 (three months prior to the NATO intervention) and 24 April 1999 (one month from the start of the NATO bombing campaign).

The Libya corpus includes 197,864 articles published by 2,233 newspapers in 113 countries. The Iraq corpus includes 278,361 articles published by from 2,254 newspapers in 63 countries. The Afghanistan corpus includes 72,727 articles published by from 2,133 newspapers in 52 countries. The Kosovo corpus includes 42,580 articles from 1,776 newspapers in 33 countries.

A.1 Countries included

The two electronic databases have slightly different geographical scopes of coverage, with Lexis-Nexis (LN) more heavily focused on Western Europe, and ISI slightly more oriented – as the name implies – on the emerging markets of Latin America, Asia and former Soviet Union. The following lists enumerate the countries for which we collected newspaper articles in each database.

- **Lexis-Nexis (N=88):** Afghanistan, Algeria, Argentina, Australia, Austria, Bahrain, Bangladesh, Belgium, Benin, Brazil, Burkina Faso, Cameroon, Canada, Chile, China, Colombia, Congo Kinshasa, Costa Rica, Cyprus, Czech Republic, Denmark, Ecuador, Egypt, Ethiopia, Fiji, Finland, France, Gabon, Gambia, Germany, Ghana, Guatemala, India, Indonesia, Iran, Iraq, Ireland, Israel, Italy, Japan, Jordan, Kazakhstan, Kenya, Korea South, Kuwait, Lebanon, Liberia, Libya, Madagascar, Malaysia, Mauritania, Mauritius, Mexico, Mozambique, Namibia, Nepal, Netherlands, New Zealand, Oman, Pakistan, Papua New Guinea, Peru, Philippines, Poland, Qatar, Rwanda, Saudi Arabia, Senegal, Sierra Leone, Singapore, South Africa, Spain, Sri Lanka, Switzerland, Tanzania, Thailand, Tunisia, Turkey, UAE, Uganda, United Kingdom, United States, Uruguay, Venezuela, Yemen, Zambia, Zimbabwe.

- **ISI-Emerging Markets** (N=68): Afghanistan, Albania, Algeria, Argentina, Armenia, Bahrain, Bolivia, Bosnia, Botswana, Brazil, Bulgaria, Cambodia, Chile, China, Colombia, Croatia, Czech Republic, Ecuador, Egypt, Estonia, Georgia, Hungary, India, Indonesia, Iran, Iraq, Jordan, Kazakhstan, Kenya, Kosovo, Kuwait, Laos, Latvia, Lebanon, Liberia, Libya, Lithuania, Malaysia, Mexico, Morocco, Nigeria, Oman, Peru, Philippines, Poland, Qatar, Romania, Russia, Saudi Arabia, Singapore, Slovak Republic, Slovenia, South Africa, Sri Lanka, Syria, Taiwan, Tanzania, Thailand, Tunisia, Turkey, UAE, Uganda, Ukraine, Uruguay, Venezuela, Vietnam, Yemen.

The two lists contain many duplicates. The logic behind this duplication was that the two collections include different sets of newspapers. The collection of newspapers in LN includes mostly English-, French-, German- and Spanish-language sources, while ISI is more diverse, with a greater volume of Arabic, Russian, Chinese and other language sources. Where we found the same newspapers in both collections, we removed the duplicate entries in subsequent stages of the data management process.

The most extensive sample of countries (Libya case) includes Afghanistan, Albania, Algeria, Argentina, Armenia, Australia, Austria, Bahrain, Bangladesh, Belgium, Benin, Bolivia, Bosnia, Botswana, Brazil, Bulgaria, Burkina Faso, Cameroon, Canada, Chile, China, Colombia, Congo Kinshasa, Costa Rica, Croatia, Cyprus, Czech Republic, Denmark, Ecuador, Egypt, Estonia, Fiji, Finland, France, Gabon, Gambia, Georgia, Germany, Ghana, Guatemala, Hungary, India, Indonesia, Iraq, Ireland, Israel, Italy, Japan, Jordan, Kazakhstan, Kenya, Korea South, Kuwait, Latvia, Lebanon, Liberia, Libya, Lithuania, Madagascar, Malaysia, Mauritania, Mexico, Morocco, Namibia, Nepal, Netherlands, New Zealand, Oman, Pakistan, Papua New Guinea, Peru, Philip-pines, Poland, Qatar, Romania, Russia, Rwanda, Saudi Arabia, Senegal, Sierra Leone, Singapore, Slovak Republic, Slovenia, South Africa, Spain, Sri Lanka, Switzerland, Taiwan, Tanzania, Thailand, Tunisia, Turkey, UAE, Uganda, Ukraine, United Kingdom, United States, Uruguay, Venezuela, Yemen, Zambia, Zimbabwe. The Kosovo data include the most limited sample of countries, and some regions are heavily underrepresented (e.g. Saharan Africa, Central America, Middle East). However, the full dataset spans every continent and includes a broad cross-section of political and economic systems, allowing us to control for a range of political and eco-nomic cross-national variables.

A.2 Search parameters

For each country within each database, we ran the following search parameters:

- **Lexis-Nexis.**
 - Country: “[country name]”
 - Publication Type: “News/Newspapers”
 - Multiple/Single Source: “Single Sources”
 - Search Type: “Terms & Connectors”
 - Search Terms:

1. "Libya OR ['Libya' translated into country's source language]" (ie: for Germany the search term would be "Libya OR Libyen" – in English and German)
2. "Iraq OR ['Iraq' translated into country's source language]" (ie: for Germany the search term would be "Iraq OR Irak" – in English and German)
3. "Afghanistan OR ['Afghanistan' translated into country's source language]" (ie: for Germany the search term would be "Afghanistan OR Afghanistan" – in English and German)
4. "Kosovo OR ['Kosovo' translated into country's source language]" (ie: for Germany the search term would be "Kosovo OR Kosovo" – in English and German)

– Specify Date:

1. "Date is between..." 12/18/2010 and 10/21/2011 [Libya]
2. "Date is between..." 12/20/2002 and 4/28/2011 [Iraq]
3. "Date is between..." 9/10/2001 and 10/27/2001 [Afghanistan]
4. "Date is between..." 12/20/1998 and 4/24/1999 [Kosovo]

● **ISI-Emerging Markets:**

- Countries and regions: "[country name]"
- Languages: English + native/local (i.e. "Spanish")
- Publication Types: ALL
- Topic: ALL
- Industry: All Industries
- Sources: Newspapers
- Search terms:
 1. "Libya OR ['Libya' translated into country's source language]" (ie: for Mexico the search term would be "Libya OR Libia" – in English and Spanish)
 2. "Iraq OR ['Iraq' translated into country's source language]" (ie: for Mexico the search term would be "Iraq OR Irak" – in English and Spanish)
 3. "Afghanistan OR ['Afghanistan' translated into country's source language]" (ie: for Mexico the search term would be "Afghanistan OR Afganistán" – in English and Spanish)
 4. "Kosovo OR ['Kosovo' translated into country's source language]" (ie: for Mexico the search term would be "Kosovo OR Kosovo" – in English and Spanish)
- Date Range:
 1. 2010/12/18 - 2011/10/21 [Libya]
 2. 2002/12/20 - 2011/4/28 [Iraq]
 3. 2001/9/10 - 2001/10/27 [Afghanistan]
 4. 1998/12/20 - 1999/4/24 [Kosovo]

A.3 Pre-processing

The next step after retrieving the articles was to filter the raw text files using regular expressions, to strip HTML code, convert to a consistent character encoding (UTF-8), split files (from batches of 100-500 articles into individual articles), extract publication dates, extract newspaper names, extract section names (i.e. feature, general news, op-ed), and perform a series of additional, minor tasks. We used Google Translate API to convert all articles, dates and other metadata into English. The median article contained 2516 characters, with a range from 0 to 65530. We dropped all entries that contained fewer than 50 characters.

B Newspapers included

We matched the newspaper name for each article against a directory of 2,505 newspapers, enumerated below. We created several versions of the newspaper names in the raw text: (1) original name, as appears in raw text, (2) newspaper name, with all characters transliterated into Latin script, (3) newspaper name translated into English with Google Translate API. The matching process was multistage, in the following sequence:

1. Exact matching against original names
2. Exact matching against transliterated names
3. Exact matching against translated names
4. Fuzzy/partial matching against original names
5. Fuzzy/partial matching against transliterated names
6. Fuzzy/partial matching against translated names

with each sequential step applied to articles that remained unmatched.

For each newspaper in each country on each day, we ran an additional filter that removed duplicate and near-duplicate articles (ones with a greater than 90 percent partial string match). This step was intended to address duplication between LN and ISI content, as well as duplication of material within each database. We kept articles that were reprinted by the same newspaper on multiple days (e.g. reprinting a breaking news story from an evening edition in the next day's morning edition, or reprinting a selected feature story from the week in the weekend edition). This latter category of duplicates accounted for 4 percent of all articles. In all, the duplicate filter removed 11 percent of the original articles.

Afghanistan: Daily Outlook Afghanistan, Al Seyassah, Alam Al Yawm Newspaper, MENA English Service, 7 Days, Akhbar Al Khaleej, Khaleej Times, The Daily Star Lebanon, Kuwait News Agency, As Safir Newspaper, Gulf Times, Arab News Newspaper, The Tripoli Post, Gulf Daily News, Gulf News, Al Eqtisadiyah Newspaper, Al Raya Newspaper, Daily News Egypt, SPA - Saudi Press Agency, Afghan Islamic Press

Albania: Tirana Times

Algeria: Algeria Press Service, Horizons, L' Expression, La Tribune, Al Alam Al Youm Newspaper

Argentina: Ambito Financiero, Clarin, La Nacion, El Cronista, La Voz del Interior, BAE Buenos Aires Economico, El Economista, PPI Brief Journal

Armenia: AZG Newspaper, Noyan Tapan, Novoe Vremia

Australia: The Canberra Times, The Age Melbourne, Australia, The Weekend Post, The Advocate Perth, Australia, The Advertiser Mail Adelaide, South Australia, The Cairns Post, The Cairns, Sunshine Coast Queensland, The Daily Telegraph Australia, The Courier Mail, The Mail Australia, Geelong Advertiser Victoria, Illawarra Mercury Australia, The Sydney Morning Herald Australia, The Mercury Tasmanian Australia, Daily Telegraph and Telegraph Sydney, Australia, Northern Territory News Australia, The West Australian, The Australian, The Gold Coast Bulletin, Herald Australia, Herald Sun, Geelong News Free Suburban Australia, The Weekly Times, Weekend Australian, Sportsman, Daily Examiner Grafton, New South Wales, Tweed Daily News New South Wales, Echo Australia, Southern Courier Australia, Cumberland Newspapers Sydney, Australia, The Sunday Herald Sydney, Australia, Newcastle Herald Australia, Wentworth Courier Australia, Coffs Coast Advocate New South Wales, Inner West Courier, Central Courier, The Northern Star and Rural Weekly New South Wales, Village Voice Balmain, Australian Newspapers, Darwin Palmerston Australia, BusinessWeek Magazine, NT Business Review Australia, Sunday Territorian Australia, Home Magazine Australia, TV Guide Australia, Major Australian Newspapers, Centralian Advocate, Warwick Daily News Queensland, South Burnett Times and Rural Weekly Queensland, The Morning Bulletin Rockhampton, Queensland, The Stanthorpe Border Post Queensland, Quest Newspapers Brisbane, Australia, Northern Miner, Ayr Advocate, Caloundra Weekly Queensland, Central Telegraph and Rural Weekly Queensland, Northside Courier, Tablelander, Hills Gazette Perth, Australia, Central and North Burnett Times Queensland, The Range News Maleny, Queensland, Tablelands Advertiser Australia, Gold Coast Publications, The Sunday Mail Queensland, Australia, The Gympie Times Queensland, The Queensland Times Ipswich, The Chronicle Australia, Gatton, Lockyer and Brisbane Valley Star Queensland, Toowoomba's Mail Queensland, Whitsunday Times Airlie Beach, Queensland, Home Hill Observer, NewsMail and Rural Weekly Wide Bay, Bundaberg, Queensland, Rockhampton and Fitzroy News Queensland, Port Curtis Post Queensland, The Observer Gladstone, Queensland, Cooloola Advertiser Queensland, Ipswich News Queensland, Australia, Bowen Independent North Queensland, Australia, Herbert River Express, Innisfail Advocate, Capricorn Coast Mirror Queensland, Townsville Bulletin, Townsville, Coolool and North Shore News Queensland, Port Douglas and Mossman Gazette, The Daily Mercury and Rural Weekly Mackay, Queensland, City North News Australia, Brisbane News, Messenger Newspapers Adelaide, Australia, Tasmanian Country, Hobart Mercury Australia, MX, Sydney MX, GT magazine, News Bites Results, Leader Newspapers Melbourne, Australia, The Kalgoorlie Miner, Fremantle Cockburn Gazette Perth, Australia, Guardian Express Perth, Australia, WA Business News Australia, Eastern Suburbs Reporter Perth, Australia, Weekend Courier Perth, Australia, Perth Communities Australia, Mandurah Coastal Times Perth, Australia, Joondalup Times Wanneroo Perth, Australia, Southern Gazette Perth, Australia, Melville Times Perth, Australia, Canning Times Perth, Australia, Midland Kalamunda Reporter Perth, Australia, Comment News Perth, Australia, Community Express, Wanneroo Times Perth, Australia, Western Suburbs Weekly Perth, Australia, Stirling Times Perth, Australia, Countryman, North Coast Times Perth, Australia, Northern District Times, Mt Druitt St Marys Standard, Albert and Logan News, St George and Sutherland Shire Leader, Redcliffe Bayside Herald, Northside Chronicle, South East Advertiser, Caboolture Shire Herald, North West News, South West News

Austria: Die Presse, Der Standard, WirtschaftsBlatt

Azerbaijan: Turkish Daily News

Belgium: De Tijd, L'Echo Belgium, Gazette of West Flanders, De Krant van West Vlaanderen, De Lloyd, TE Depeche, TE Briefing

Benin: L'Autre Quotidien

Burkina Faso: Le Pays, L'Observateur Paalga, Sidwaya

Bangladesh: The Financial Express, Weekly Blitz, Energy Bangla, The New Nation

Bulgaria: Cash, Dnevnik, Standart Daily, Capital, Banker Weekly, The Sofia Echo, Banker Daily, Weekly Capital, Pari, Monitor Daily, Daily Newspaper, Money Plus, Daily Journal, Money, FIA Daily News, Daily News FIA

Bahrain: Al Ayam, Gulf Daily News, Daily Tribune, Akhbar Al Khaleej, Kuwait News Agency, Gulf News, Al Alam Al Youm Newspaper, Bahrain News Agency, National Iraqi News Agency, Emirates News Agency, Al Seyassah, Al Eqtisadiah

Bosnia: Oslobodjenje, B&H Business Daily, Bosnia Daily, Poslovne Novosti

Belarus: Belorusskaia delovaia gazeta

Bolivia: La Razon, Los Tiempos Newspaper

Brazil: Agencia O Globo, Folhapress, Zero Hora, O Estado de S Paulo, Jornal do Commercio, Jornal A Tarde Bahia, Jornal O Pioneiro, Daily Online International, Meio Mensagem, Agencia IN Entrevista, Official Mail Braziliense, Brasilturis, Jornal Pampulha, Jornal o Tempo, Jornal O Tempo, Journal do Brasil, Brasil Economico, Diario de Santa Maria, Diario Gacho, Commercial Gazette International Weekly News, DCI Diario Comercio, Industria e Servicos, Diario Grande ABC Setecidades, Diario Online, Gazeta Mercantil, Valor Econmico, RAC Gazeta de Piracicaba, AE Agronews, Campinas Agncia Anhanguera de Noticias Correio Popular, Diario Catarinense, A Notcia, Jornal de Santa Catarina, Jornal Correio Braziliense

Botswana: The Botswana Gazette News, Botswana Guardian News, Mmegi Daily

Canada: The Star Phoenix Saskatoon, Calgary Herald Alberta, The Gazette Montreal, Windsor Star, London Free Press Ontario, The Toronto Star, The Toronto Sun, Ottawa Citizen, Edmonton Journal, The Vancouver Sun, Calgary Herald, The Leader Post Regina, National Post, Carstairs Courier Alberta, Airdrie Echo Alberta, Canada, Edmonton Alberta, Fort McMurray Today Alberta, Red Deer Express Alberta, Western Standard Alberta, The Daily Herald Tribune Grande Prairie, Alberta, Cochrane Times Alberta, Canada, Abbotsford Times British Columbia, Prince Rupert Daily News British Columbia, Times Colonist Victoria, The Vancouver, Prince George Citizen British Columbia, Kamloops Daily News British Columbia, Nanaimo Daily News British Columbia, Alberni Valley Times British Columbia, Winnipeg Sun, Portage Daily Graphic Manitoba, The Daily Gleaner New Brunswick, The Telegraph Journal New Brunswick, The Times and Transcript New Brunswick, St Johns Telegram, The Halifax Daily News, Financial Post, Colborne Chronicle Ontario, Hanover Post Ontario, Timmins Daily Press Ontario, The Hamilton Spectator, The Standard St. Catharines, Nelson Daily News British Columbia, Dunnville Chronicle Ontario, Chatham Daily News Ontario, The Guelph Mercury, The Lawyers Weekly News, Southam Publishing Company, Lindsay Daily Post Ontario, Cobourg Daily Star Ontario, Ontario Farmer Canada, Sarnia Observer Ontario, Brantford Expositor Ontario, Sudbury Star Ontario, Owen Sound Times Ontario, Sault Star Sault Saint Marie Ontario, Port Hope Evening Guide Ontario, Barrie Examiner Ontario, The Brockville Recorder and Times Ontario, Kingston Whig Standard Ontario, Northern News Kirkland Lake, Ontario, The Cambridge Reporter, The Globe and Mail Canada, Sun Media Publisher, North Bay Nugget Ontario, Orillia Packet and Times Ontario, The Ottawa Citizen, 24 Hours Toronto, Canada, Daily Miner and News Kenora, Ontario, Waterloo Region Record, Welland Tribune Ontario, Pembroke Observer Ontario, Courier Press Wallaceburg, Ontario, Peterborough Examiner Ontario, Niagara Falls Review Ontario, Belleville Intelligencer Ontario, Cornwall Standard Freeholder Ontario, Collingwood Enterprise Bulletin Ontario, Plastics News tm, The Jerusalem Post, The Guardian Charlottetown, North Shore News British Columbia, Sherbrooke Record Quebec, Nipawin Journal Saskatchewan, Canada, Melfort Journal Saskatchewan, Canada, Southwest Booster Saskatchewan, Yukon News Yukon

Chile: Copesa La Tercera, El Mercurio, Editorial Strategy, Financial Journal, The Journal Information Technology, Economy Strategy, News Review, Estrategia, Diario Financiero, La Nacion Newspaper, Santiago Times

China: Economic Observer, China Daily, South China Morning Post, Chinese enterprises, China Insurance News, China Pharmaceutical News, China Chemical Industry News, Supermarket Weekly, Abroad Times, China Education News, China Petrochemical News, China Knowledge News, China Water Transport, The China Insurance, China Business News, China Nonferrous Metals News, Communications Industry Report, Education in China, China Building Materials Daily, State Grid News, INVESTOR JOURNAL, MEB, Communications News, China Tax News, International Business Daily, National power grid report, China Industry News, China Railway Construction News, Consumer Daily, China Mining News, Rural Financial Times, Economic Information Daily News, The China National Petroleum, China Metallurgical News, China Trade News, China Textile News, China Construction News, 21st Century Business Herald, Shanghai Daily

Cambodia: Phnom Penh Post, Thai News Service, Asia Times Online

Cameroon: Cameroon Tribune, Le Messenger, Cameroon Post, Le Quotidien Mutations

Congo Kinshasa: Le Potentiel, La Prosperite

Colombia: El Tiempo National and international news, Portafolio, La Republica, El Espectador, Weather

Costa Rica: Al Dia, La Nacion, El Financiero

Croatia: Vecernji List, Jutarnji List, Veernjihr, Poslovni Dnevnik, Privredni Vjesnik, Vjesnik, Banka Prilozi

Cyprus: Financial Mirror, Cyprus Mail

Czech Republic: Hospodarske noviny, Mlada fronta Dnes, Pravo, Lidove noviny, E15, Ustecky denik, Ceskobudejovicky denik, Brnensky denik, Karlovarsky denik, Hradecky denik, Euronews Euro Online, Traffic newspaper, Jihlavsky denik, Sip vyber, Liberecky denik, Moravskoslezsky denik, Pardubicky denik, Plzensky denik, Dopravni noviny, Economic Times, Prazsky denik, Olomoucky denik, The Prague Post, Berounsky denik, Zlinsky denik

Denmark: Politiken, Dagbladet Borsen

Ecuador: Diario El Comercio, Diario Hoy, Diario El Financiero News, Diario El Universo

Egypt: Al Ahram, Nahdet Misr, Al Alam Al Youm, Le Progres Egyptien, Daily News Egypt, Al Gomhuria, Al Seyassah, Gulf News, Gulf Daily News, The Egyptian Gazette, Al Messa, Kuwait News Agency, Emirates News Agency, National Iraqi News Agency, Al Eqtisadiyah, AmCham Egypt Tenders Alert Service

Estonia: The Baltic Times, Baltic Business News Russian, Business and the Baltics

Ethiopia: Addis Fortune

Finland: Kauppalehti

Fiji: Fiji Times and Sunday Times

France: La Croix, L' Humanite, La Tribune, Le Monde, Le Parisien, Les Echos, Liberation, Le Figaro, Sud Ouest, La Montagne, France Today, Aujourd'hui en France, Paris Normandie, InvestirJournal des Finances, LYonne Rpublicaine, Le Journal du Centre, The New Republic Midwest, AFP RELAXNEWS, L agefi quotidien, L'est Republicain, Le Telegramme, Ouest France, Le Berry Republicain, La Nouvelle Republique du Centre Ouest, La Republique du Centre, Le Havre Libre France, Le Populaire du Centre, Release, Le Progress de Fecamp France, L Independant, Midi Libre, Centre Presse, The Journal of Finance, La Voix du Nord, Presse Ocean, Ocean Press, Charente Libre

Gabon: Infos Plus

Georgia: The Financial, The Georgian Times, Georgia Today, The Messenger

Germany: Die Welt, Die Welt Kompakt, Die Zeit, Der Tagesspiegel, Lauterbacher Anzeiger Germany, Stuttgarter Zeitung, Stuttgarter Nachrichten, Telecom Handel, Die Presse, Judische Allgemeine, SonntagsZeitung, Berliner Kurier, Berliner Zeitung, Berliner Morgenpost, Tages Anzeiger, Swiscontent Corp, HandelsZeitung, Financial Times Deutschland, Hamburger Abendblatt, Gazette Giessen Germany, Idsteiner Zeitung Germany, Giessener Anzeiger Germany, Lampertheimer Zeitung Germany, Horizont, Wiesbadener Kurier Germany, Usinger Anzeiger Germany, Kreis Anzeiger Germany, Gelnhauser Tageblatt Germany, Borsten Zeitung, Lebensmittel Zeitung, Borstdter Zeitung Germany, Main Taunus Kurier Germany, Wiesbadener Tagblatt Germany, Frankfurter Rundschau, Hofheimer Zeitung Germany, Hochheimer Zeitung Germany, Aar Bote Germany, Main Spitze Germany, Oberhessische Zeitung Germany, Duesseldorf Rheinische Post, General Anzeiger Bonn, Immobilien Zeitung AklI, Aachener Zeitung, Aachener Nachrichten, Cologne Rundschau, Kolner Stadt Anzeiger, Kolnische Rundschau, Rheinische Post Duesseldorf, Wormser Zeitung Germany, Mitteldeutsche Zeitung, Moneyclips Germany Stories, Der Neue Kammerer, Allgemeine Zeitung Germany, Central German newspaper

Ghana: Accra Mail, Ghanaian Chronicle

Gambia: The Daily Observer, FOROYAA Newspaper

Guatemala: Siglo Veintiuno, Noticias Financieras

Hungary: Heti Valasz, Blikk, Elet es Irodalom, Vilaggazdasag, Magyar Nemzet, Nepszava, Magyar Hirlap, Eszak Magyarorszag, BBJ Budapest Business Journal, Budapest Sun, Metropol, Ringier Hungarian News, Axel Springer Regionlis napilapok vlogats, Nepszabadsag, Napi Gazdasag, Delmagyarorszag, Delvilag, Kisalfold, Lapcom Presztizs, Hajd Bihari Napl, Esztergomi Hidlap Selection, Vci Napl, South Africa, Magyar Tkepiac, World Economy, Vasrnap reggel, Kelet Magyarorszag, Vas Nepe

Indonesia: Kompas, The Jakarta Post, Indoexchange News, Between

India:	Hindustan Times, The Times of India TOI, Herald Goa India, Kashmir Observer, The Northlines, Kashmir Monitor India, Early Times India, Kashmir Images India, Kashmir Times, Mirror Publications, Star of Mysore, Health Daily Digest Ht Media, South East Asian News India, Prevention, Crest, DNA, Bihar Times India, The Economic Times, IPR, Columnists IndiaPak, Accommodation Times, Imphal Free Press India, The DQ Week, Media Nama, Mail Today, Indian Express, The Financial Express, The Statesman India, The Frontier Post Pakistan, The Pioneer India, MINT, Sikkim Express, New India Express, Bharat Chronicle, Siasat Daily India, DLA AM, Business Today More, Today India, Garhwal Post India, The Telegraph India, Political Business Daily India
Ireland:	The Irish Times, Irish Examiner, Irish Independent, TCM Carlow Nationalist, Carlow People, Corkman, TCM Down Democrat, Fingal Independent, Evening Herald Ireland, Dundalk Democrat, TCM Roscom Herald, Irish News, Sunday Tribune, The Irish Post, TCM Newry Democrat, Sunday Business Post, TCM Waterford News Star, Limerick Leader, Kerryman, TCM The Kingdom, TCM Kildare Nationalist, New Ross Standard, Kilkenny People, New Ross Echo, TCM Laois Nationalist, Leitrim Observer, Longford Leader, TCM Western People, The Argus, Drogheda Independent, Offaly Express, TCM The Sligo Weekender, Tipperary Star, Nationalist Munster Advertiser, Enniscorthy Guardian, Gorey Guardian, Enniscorthy Echo, Wexford People, TCM Wexford Echo, Gorey Echo, Bray People, Wicklow People, Sunday Independent Ireland
Iran:	Iranian Students News Agency, Moj News Agency, Iranian Government News, Mehr News Agency, Gulf News, Iran News
Iraq:	Soma Digest, The Kurdish Globe, National Iraqi News Agency, Al Rafidayn, Akhbar Al Khaleej, Al Alam Al Youm
Israel:	The Jerusalem Post, Globes
Italy:	La Stampa, Il Resto del Carlino Italy, ItaliaOggi, Corriere della Sera Italy, Il Giorno Italy, La Nazione Italy, La Gazzetta dello Sport Italy, Milano Finanza
Jordan:	The Star, The Jordan Times, Ad Dustour, Al Liwaa, Emirates News Agency, Kuwait News Agency, National Iraqi News Agency, Gulf News, AmmanNet, Al Watan, Gulf Daily News, Al Alam Al Youm, Qatar Tribune, Shabab Shabab
Japan:	The Nikkei Weekly Japan, The Japan Times, The Daily Yomiuri, Japanese World
Kazakhstan:	Kazakhskaya Pravda, Caravan, Gazeta Vremya, Juridicheskaja Gazeta, Almaty Herald, Megapolis, Panorama, Delovoi Kazakhstan, Liter, Vecherni Almaty, Kazakhstan Today, Novoe pokolenie, Kursiv, Central Asia Monitor, Express K, Zheleznodorozhnik Kazakhstana, Business Daily Kapital, Media Consult Ltd, Stroitelny Vestnik, Vremya po Grinvichu
Kenya:	Nairobi Star, Coast Week, The Nation, Business Daily, Daily Nation Kenya, IRIN, Africa Science, FSD Kenya
Korea South:	Korea Times, Korea Herald
Kuwait:	Al Seyassah, Kuwait Times, Arab Times, Emirates News Agency, Gulf News, Kuwait News Agency, Al Alam Al Youm, Gulf Daily News, National Iraqi News Agency, Alam Alyawm
Laos:	Vientiane Times, Thai News Service
Lebanon:	L Orient le Jour, As Safir, An Nahar, Al Akhbar, Al Seyassah, National Iraqi News Agency, Kuwait News Agency, Dar Al Hayat, Gulf News, Gulf Daily News, The Daily Star, Emirates News Agency, Al Alam Al Youm, Tayyar, National News Agency Lebanon, The Middle East Reporter
Liberia:	New Democrat, The Analyst, The Informer, The Liberian Journal
Libya:	Al Jamahiriya, The Tripoli Post, New Libya News, Al Alam Al Youm, Akhbar Al Khaleej, Gulf News, National Iraqi News Agency, MENA English Service, Daily News Egypt
Lithuania:	Baltic Business News Russian, The Baltic Times
Latvia:	The Baltic Times, Dienas Business, Baltic Business News Russian
Morocco:	L'Economiste, Kuwait News Agency, Al Alam Al Youm, Al Seyassah, Agence Maghreb Arabe Presse, Emirates News Agency, National Iraqi News Agency, Gulf Daily News
Madagascar:	L'Express de Madagascar, Midi Madagasikara

Mexico: La Cronica de Hoy, La Cronica Diaria, La Voz de Michoacan, Diario de Yucatan, Notimex, Milenio, La Jornada, Reforma, El Norte, El Sol de Mexico, El Economista, El Universal, El Mexicano, El Financiero, El Sudcaliforniano, La Voz de la Frontera, El Diario de Nuevo Casas Grandes, Diario de Juarez, El Diario de Delicias, El Diario de Parral, El Diario de Chihuahua, Universal News Service, Venezuela Analitica, The News, T21, La Nacion, The Sun, Agencia EFE Mexico, Excelsior, Cerigua Daily News, Puntobiz Companies, ValorFuturo Peru, El Sol de San Luis, Peridico AM, El Occidental, Mural, Ecos de Morelos, La Razon Newspaper, Diario de Queretaro, Express, Infosel News, e mid News, The Republic, Ministry of Popular Power for Communication, PGR Press Releases, Andina Newswire, Radioprogramas of Peru Political News, Radioprogramas of Peru Economic News, Journal Millennium City, Informational Efficiency, Newsroom Universal Service International, Bolsa Mexicana de Valores Relevant Events, El Sol Regional Newspapers, My Environment, High Level, Radioprogramas of Peru National News, The Observer Newswire, Infocampo.com.ar Agribusiness latest news, Diario La Hora, BAE Last time, Edicrisis, Business Developers of Puebla, intraday Scope, APD Political News, The Trade, InformaBTL, The Post Digital Business, Cu4tro.com, Political Indicator, El Pais, Daily Delights, El Mundo, El Panama America

Mozambique: Agencia de Informacao de Mocambique

Mauritania: Le Quotidien de Nouakchott

Mauritius: L'Express Port Louis

Malaysia: The Star, Business Times, The Edge, Berita Harian, Harian Metro, The Malaysian Reserve, New Straits Times, Daily Star, Channel News Asia, SME News, Asia Times Online, Bernama, South East Asian News, Malaysiakini

Namibia: Namibia Economist, New Era, The Namibian

Nigeria: Vanguard Daily-Nigeria, Leadership News

Netherlands: Algemeen Dagblad, Het Financieele Dagblad, De Volkskrant, Metro NL, Trouw, Reformatorisch Dagblad, NRC Handelsblad, Almere Vandaag, Leeuwarder Courant, De Gelderlander, Twentsche Courant, De Stentor, Nederlands Dagblad, De Twentse Courant Tubantia, Eindhovens Dagblad, BN DeStem, The Denver Post Dutch Stories, NRCNEXT, Los Angeles Times Dutch Stories, Chicago Times Dutch Stories, The Dallas Morning News Dutch Stories, The Guardian, Het Parool, De Telegraaf, Dagblad Rivierenland, USA Today Dutch Stories, BBC News, Monyclips Dutch Stories, Limburgs Dagblad, The Columbian Vancouver, Wa Dutch Stories, Manchester Guardian Weekly Dutch Stories, The Houston Chronicle Dutch Stories, Noordhollands Dagblad, Dagblad De Limburger, Haarlams Dagblad, South China Morning Post Dutch Stories, Brabants Dagblad, The New York Times, Charleston Daily Mail Dutch Stories, The Washington Post Dutch Stories, De Gooi en Eemlander, IJmuider Courant, The Salt Lake Tribune Dutch Stories, Spits, Dag, Dayton Daily News Dutch Stories, Pakblad, Dagblad van het Noorden, The Atlanta Journal and Constitution Dutch Stories, Dagblad De Pers, Provinciale Zeeuwse Courant, Zeeland Provinciale Courant, Agrarisch Dagblad, Leidsch Dagblad, Rotterdams Dagblad, Amersfoortse Courant, Haagsche Courant, Utrechts Nieuwsblad, Sijthoff Pers, Rivierenland, Groene Hart, Sportwereld Pro, Alphenc, Goudsche Courant, De Dordtenaar

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Pakistan: The Frontier Post, Daily Times, Pakistan Observer, The Nation, Business Recorder, Pakistan Today, Daily Balochistan Express, Regional Times, The Balochistan Times, The Friday Times, Daily National Herald Tribune, The Financial Post, The Education Watch Pakistan, Patriot, Sunday Times, Times Islamabad, Islamabad Dateline, Associated Press of Pakistan, Statesman, The Frontier Star, Right Vision News, Daily the Pak Banker, The Financial Daily, Express Tribune, The Messenger

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Saudi Arabia: Al Riyadh, Asharq Alawsat, Arab News, Al Eqtisadiah, Gulf Daily News, Emirates News Agency, Aswaq News, Gulf News, The Majalla, Al Alam Al Youm, Kuwait News Agency, Saudi Press Agency, Sabq News, National Iraqi News Agency, Al Seyassah

<p>Senegal: Le Soleil, Wal Fadjri, Sud Quotidien</p> <p>Serbia: Blic, KosovaLive News, Kosova Press</p> <p>Singapore: The Straits Times, Today, The Business Times, Asia Times Online, South East Asian News, The Edge</p> <p>Sierra Leone: Concord Times, The Independent</p> <p>Slovenia: Vecer, Dnevnik, Finance, Delo, Poslovni Dnevnik, The Slovenia Times, Domus,zalozba in trgovina doo Business Investment</p> <p>South Africa: Sunday Times, Business Day South Africa, Mail Guardian, Sowetan South Africa, The Herald South Africa, Talk of the Town, WeekendPost, The Representative, Daily Dispatch South Africa, Algoa Sun, Go Express, The Times South Africa, The Weekender South Africa, Times South Africa, Pretoria News, Post South Africa, World South Africa, BDFM Publications, The Independent South Africa, Daily News South Africa, The Mercury South Africa, Cape Argus Cape Town, Sunday Tribune South Africa, Cape Times South Africa, The Star South Africa, Our Times, Sunday World South Africa</p> <p>Spain: El Correo, ABC, El Pais, El Periodico de Catalunya, Ideal, Diario Cordoba, Sur, La Voz de Cadiz, El Periodico de Aragon, El Norte de Castilla, tae Journal, Cinco Dias, Diario AS, El Mundo, Expansion Madrid, El Periodico Mediterraneo, Hoy, El Periodico Extremadura, La Rioja, Diario Vasco, Basque Journal, El Comercio, La Verdad</p> <p>Sri Lanka: The Nation, Daily News, Daily Mirror, Colombo Times, Lanka Business Online News</p> <p>Switzerland: La Tribune de Geneve, Appenzeller Zeitung, Tages Anzeiger, Le Matin, Le Temps, 24 Heures, SonntagsZeitung, Toggenburger Tagblatt, AWP SME Small and Medium Enterprises German, StGaller Tagblatt, Tagblatt fur den Kanton Thurgau, HandelsZeitung, Swisscontent Corp</p> <p>Syria: Syrian Arab News Agency, Al Alam Al Youm, National Iraqi News Agency</p> <p>Thailand: The Nation, Bangkok Post, Thai News Service, Asia Times Online, Business Day</p> <p>Tunisia: Le Temps, Agency Tunis Afrique Press, La Presse, Le Renouveau, African Manager, Emirates News Agency, Kuwait News Agency, Akhbar Al Khaleej, National Iraqi News Agency, Gulf Daily News, Al Seyassah, Agence Maghreb Arabe Presse, MENA English Service</p> <p>Turkey: Turkiye Gazetesi, Haberturk, Vatan Gazetesi, Sabah, Hurriyet, Milliyet, ANKA Gunluk Ekonomi Bulteni, the Turkish Daily News, Turkish Press Scanner, Zaman, Referans, Turkish Daily News, Radikal, Dunya, Gozlem Gazetesi, Ekonomik Cozum Gazetesi, Kose Yazarlar, Journal of Observations, Turizm Gazetesi Turizm Sektor Haberleri, Turkish Probe, New Newspaper, World Communications Agency, Journal of Tourism Tourism Industry News, Made in Turkey, Tourism Industry News, Flight To Turkey, Kobihaber</p> <p>Taiwan: China Times, Taiwan News, United Daily News, Media Corp News Asia, Finance China News, Business Times, South China Morning Post, The China Post, The Taiwan Economic News, Economic Times, Taiwan Export Express, CENS Lighting, Commercial Times, Taiwan Hardware, Taiwan Machinery, TTG Taiwan Autoparts, Taiwan Furniture</p> <p>Tanzania: Arusha Times, The Citizen</p> <p>Uganda: East African Business Week, New Vision, The Monitor</p> <p>Ukraine: Den, Zerkalo Nedeli, Delo, Delovaya stolitsa, Kyiv Post, Visti Pridneprovya Newspaper, Uryadovy Kuryer News, Kievskiy Vedomosti, Kyiv Weekly, Kievskiy telegraf Newspaper, Ukrainian Times, Belorusskaia delovaya gazeta, Ytro newspaper, Ekonomicheskie izvestia, ProVincia Newspaper, Window on Ukraine, Kontrakty, Kreschatic newspaper, Deloviye Vedomosti, Ukraina moloda, Business Newspaper, Kommentarii Newspaper, Grani plus, Investment Newspaper, Kommersant Ukrayina, Chas pik Newspaper, Eastern Economist Daily, Rivne vechirne, Rivne Newspaper, Sevastopolski meridian, Melitopolskie vedomosty News</p> <p>Uruguay: Diario El Pais, El Observador</p> <p>UAE: Al Ittihad, Sport360, The National, Khaleej Times, Gulf News, XPRESS, 7 Days, Emerging Markets Business Information News, Al Ain Times, UMCi News, Computer News Middle East, Business Traveller Middle East, Andy McTiernan Property and Economy Bulletin, Emirates News Agency, Al Alam Al Youm, Gulf Daily News, Al Aswaq, Kuwait News Agency, Al Seyassah, Al Roya, Al Arabiya</p>
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New Times Florida, The Palm Beach Post, The Ledger Lakeland, The Augusta Chronicle, The Atlanta Journal and Constitution, Idaho Falls Post Register, Lewiston Morning Tribune, The Idaho Business Review Boise,ID, Latah Eagle, Illinois Legal Times, The State Journal Register Springfield,IL, Chicago Times, The Pantagraph, Chicago Daily Herald, South Bend Tribune, The Indianapolis Business Journal, Telegraph Herald Dubuque,IA, Sioux County Index Reporter Hull,Iowa, Kansas City Daily Record Kansas City,MO, Topeka Capital Journal, CityBusiness North Shore Report New Orleans,LA, The Raton Range New Mexico, The Advocate Baton Rouge Louisiana, New Orleans CityBusiness New Orleans,LA, Times Picayune New Orleans, The Journal of Jefferson Parish Louisiana, The Banner Bernice,Louisiana, Portland Press Herald, The Original Irregular Kingfield,Maine, Bangor Daily News Maine, The Capital Annapolis, The Daily Record Baltimore,MD, Maryland Gazette, The Capital Annapolis,MD, The Union Leader, The Berkshire Eagle Pittsfield,Massachusetts, The Republican Springfield Massachusetts, Massachusetts Lawyers Weekly, The Christian Science Monitor, Telegram Gazette Massachusetts, Lowell Lowell,MA, The Patriot Ledger, Telegram and Gazette Massachusetts, Rhode Island Lawyers Weekly, Sentinel and Enterprise Fitchburg,Massachusetts, Flint Journal Michigan, Michigan Lawyers Weekly, Grand Rapids Press Michigan, Muskegon Chronicle Michigan, Crains Detroit Business, Saginaw News Michigan, Bay City Times Michigan, Automotive News, Kalamazoo Gazette Michigan, Jackson Citizen Patriot Michigan, Republican Leader Preston,Minnesota, St Paul Pioneer Press Minnesota, The Chatfield News Minnesota, Minneapolis Star Tribune, Westbrook Sentinel Tribune Minnesota, Spring Valley Tribune Minnesota, The Minnesota Lawyer Minneapolis MN, Spring Grove Herald Minnesota, Dodge County Independent, Star Tribune Minneapolis MN, Finance Commerce Minneapolis,MN, Ivanhoe Times Minnesota, MabelHary News Record Minnesota, The Legal Ledger St Paul MN, City Pages MinneapolisSt Paul,MN, Bluff Country Reader Spring Valley,Minnesota, Mississippi Business Journal Jackson,MS, Mississippi Press, St Charles County Business Record St Charles,MO, St Louis Daily RecordSt Louis Countian St Louis,MO, Missouri Lawyers Media, Riverfront Times St Louis,Missouri, Omaha World Herald, Lincoln Journal Star Nebraska, Merrimack Journal New Hampshire, Bedford Journal, Hollis Brookline Journal, The Cabinet Milford,New Hampshire, The Star Ledger Newark New Jersey, The Record Bergen County, Jersey Journal New Jersey, Herald News Passaic County,NJ, The Times of Trenton New Jersey, Todays beam New Jersey, Gloucester County Times New Jersey, Long Island Business News Long Island,NY, Silver City News New Mexico, The Santa Fe New Mexican, Deming Headlight New Mexico, Ruidoso News New Mexico, Farmington Daily Times New Mexico, Las Cruces Sun News New Mexico, The Alamogordo Daily News New Mexico, De Baca County News, The Taos News, The Albuquerque Journal, The Village Voice, New York Sun, The News and Observer, American Banker, Advertising Age, Staten Island Advance New York, The Buffalo News, The Forward, The Post Standard Syracuse NY, The Daily Record of Rochester Rochester,NY, The Times Union Albany,NY, New York Observer, Daily News New York, The Herald Sun, Winston Salem Journal, The Sporting News, Chapel Hill Herald, North Carolina Lawyers Weekly, Star News Wilmington,NC, The Mecklenburg Times Charlotte,NC, Raleigh Extra, The Bismarck Tribune, Dayton Daily News, Holmes County Herald, The Columbus Dispatch, Crains Cleveland Business, The Tulsa World, The Journal Record Oklahoma City,OK, Journal Record Legislative Report Oklahoma City,OK, The Oklahoman, The Oregonian, McKenzie River Reflections McKenzie Bridge,Oregon, The Clatskanie Chief Oregon, Daily Journal of Commerce Portland,OR, The Morning Call Allentown, Intelligencer Journal, Pittsburgh Tribune Review, The York Dispatch York,PA, Patriot News Harrisburg,Pennsylvania, Eastern Express Times Pennsylvania, News Lancaster, The Lebanon Daily News Pennsylvania, News Lancaster Pennsylvania, Pittsburgh Post Gazette, The Philadelphia Daily News PA, Sunday News Lancaster, Public Opinion Chambersburg,Pennsylvania, The Evening Sun, Tribune Review, The Providence Journal Bulletin, The Post and Courier Charleston,SC, The Herald Rock Hill,SC, The Charleston Gazette, The Columbia Star South Carolina, South Carolina Lawyers Weekly, The Island Packet, Chattanooga Times Free Press, Chattanooga Times Free Press Tennessee, Houston Press Texas, The Austin American Statesman, El Paso Times Texas, San Antonio Express News, Dallas Observer Texas, The

Salt Lake Tribune, Deseret Morning News Salt Lake City, Brattleboro Reformer Vert, The Virginian Pilot Norfolk, VA, Dolans Virginia Business Observer Norfolk, VA, Virginia Lawyers Weekly, Richmond Times Dispatch, The Roanoke Times Virginia, The Enumclaw Courier Herald Washington, Edds Beacon Washington, Tri City Herald, Seattle Post Intelligencer, Mukilteo Beacon Washington, Mattawa Area News Washington, The Columbian Vancouver, WA, The Boomerang Palouse, Washington, The Spokesman Review, Seattle Weekly, The Bonney Lake Lake Tapps Courier Herald, McClatchy, The Boomerang! Palouse, Washington, The News Tribune Tacoma, Washington, Charleston Daily Mail, Capital Times Madison, WI, The Daily Reporter Milwaukee, WI, Wisconsin State Journal, The Wyoming Tribune Eagle, News Record, Journal Sentinel, Birmingham News Alabama, The Free Press, New York, McClatchy Tribune Business News Most Recent, 2 Weeks

Venezuela: El Universal, Diario El Nacional, Cadena Global National news, The Bangkok Post, Business Day

Vietnam: Vian Macroeconomic News, Vietnam Industry News, Viet Nam News, Vietnam Business Forum News, Thai News Service, Asia Times Online

Yemen: Yemen Post, Yemen Observer, Yemen Times, Al Sahwa, National Iraqi News Agency, Gulf News, Yemen News Agency

Zambia: The Times of Zambia

Zimbabwe: Financial Gazette, Zimbabwe Standard, The Herald, Zimbabwe Independent

B.1 Ownership networks

Figure B.1 displays all ownership chains in our data, where red dots represent parent companies and light blue squares represent newspapers.

Figure B.1. Newspaper ownership network. Blue diamonds denote newspapers; red dots denote parent companies; text labels denote organizations that own at least five newspapers.



C Automated text analysis

While traditional human coding of political texts capitalizes on researchers' subject matter expertise, such an approach can entail high costs and produce systematically inconsistent and difficult-to-replicate classifications. For a text corpus of our size, human coding would have proven extremely labor-intensive, involving months or years of tedious and painstaking work by large teams of undergraduate research assistants (King and Lowe, 2003, 618). Even experienced coders following well-defined tasks and classification rules will inevitably encounter tough calls, resulting in suboptimal inter-coder reliability (Mikhaylov and Benoit, 2008). Humans have limited working memories and tend to rely on heuristics, resulting in informal, subjective and ad hoc decisions, inducing systematic biases through fatigue, inattention and prior knowledge of hypotheses (Grimmer and King, 2009, 4-5). While automated coding methods are no panacea, they are effective at the types of tasks that humans do not perform well: minimizing the costs of manually reading and classifying hundreds of thousands of individual texts, and producing an output that is internally consistent, replicable and free of errors due to boredom, fatigue and coder bias. Yet they are also deficient where humans are strong: recognizing theoretically relevant patterns and nuances, and distinguishing between rhetorical flourishes and more substantively meaningful content. To be analytically useful, automated coding still requires a deep working knowledge of subject matter in the construction of coding rules, and a considerable time investment in data collection, pre-processing, programming and, indeed, the reading of individual texts (Grimmer and Stewart, 2013).

C.1 Training set codebook and prompt

The following online survey was used to record manual codings for the training set. Note that the format integrates the codebook and coding mechanism into a single document, to ensure that variable definitions are clear to coders at every stage of the process.

```
Training Set
* Required

Document ID *
Copy and paste from first column of spreadsheet
[ ]

Coder *
[ ]

%%
Coverage Focus
This category is divided into four subcategories that are not mutually exclusive:
HUMAN INTEREST (issue is described from a general human interest perspective
with emphasis on human needs, concerns or achievements), MILITARY (issue is
```

described from a general military perspective with focus on the ‘factual’ execution of the foreign policy on the ground but not with direct reference to the personal), POLICY (any discussion of the content of a foreign policy, outside the two categories above), and PERSONALITY (article contains direct reference to the personality/personal story/motivation/feelings of a political, military or civilian person). Check all that apply.

Focus

- HUMAN INTEREST
- MILITARY
- POLICY
- PERSONALITY
- None of the above

Coverage Focus: Tough Call? Check box if text is ambiguous, or if you were otherwise uncertain about how to code it.

- TOUGH CALL

Coverage Focus: Good example? Check box if text is a particularly clear, unambiguous example of coverage focus.

- GOOD EXAMPLE

%%

Other

- Gibberish / Incomprehensible / Mistranslated / Missing text
- Topic is not foreign policy

**

- SUBMIT

C.2 Intercoder reliability

We considered four measures of training set intercoder reliability (reported in Table C.1): (a) percent agreement, (b) Fleiss’ Kappa (c) Kendall’s W, and (d) Krippendorff’s Alpha, with bootstrapping. The first measure (percent agreement) was used due its intuitive interpretation as the proportion of documents in the training set, for which both coders gave the same value. Its obvious drawback is that it does not account for agreement that could be expected to occur by chance. The other three measures explicitly account for chance agreement among multiple coders, and test the null hypothesis that agreements can be regarded as random. Fleiss’ Kappa permits the assessment of agreement between more than two coders, but treats input data as categorical – such that each value on an ordinal or interval scale is treated as a distinct category, and the ‘closeness’ of adjacent values (e.g. +1, +2) is discarded. We also included Kendall’s Coefficient of Concordance

(W), which is appropriate when the data are of ordinal measurement and do not meet the assumptions of parametric methods. Finally, we calculated Krippendorff's Alpha statistic, which is highly flexible, can be used with multiple coders, with ordinal, interval and ratio level variables. We obtained the Alpha distribution by bootstrapping, using 10,000 samples of each set of codings, and fit 95% confidence intervals based on the resulting distribution of the test statistic.

Every test demonstrates positive and highly significant agreement between coders, meeting or exceeding conventional standards of intercoder reliability. For the purpose of training the wordscores algorithm, we used the coded training texts to select a subsample of 'ideal type' reference documents, which at least one of the coders considered a clear example of a given category, neither considered a tough call or incomprehensible, and which was assigned the same value (e.g. both human interest or both negative valence) by the two coders. The rightmost column of Table C.1 indicates the sizes of the resulting reference text corpora.

Table C.1. Intercoder reliability statistics.

a) Libya training set						
Full training set	Agree	Kappa	W	Alpha (95% CI)	N	
Human interest focus (1=yes, 0=no)	0.72	0.53***	0.69***	0.52 (0.29, 0.72)	350	
Military focus (1=yes, 0=no)	0.81	0.63***	0.76***	0.62 (0.42, 0.82)	350	
Policy focus (1=yes, 0=no)	0.75	0.66***	0.78***	0.66 (0.49, 0.81)	350	
Personality focus (1=yes, 0=no)	0.80	0.60***	0.75***	0.58 (0.37, 0.77)	350	
'Tough calls' removed						
Human interest focus (1=yes, 0=no)	0.84	0.69***	0.79***	0.68 (0.48, 0.85)	152	
Military focus (1=yes, 0=no)	0.80	0.69***	0.80***	0.68 (0.49, 0.84)	152	
Policy focus (1=yes, 0=no)	0.78	0.71***	0.81***	0.71 (0.55, 0.86)	152	
Personality focus (1=yes, 0=no)	0.78	0.61***	0.76***	0.61 (0.41, 0.79)	152	
b) Iraq training set						
Full training set	Agree	Kappa	W	Alpha (95% CI)	N	
Human interest focus (1=yes, 0=no)	0.92	0.77***	0.89***	0.77 (0.54, 0.95)	386	
Military focus (1=yes, 0=no)	0.94	0.81***	0.91***	0.81 (0.56, 1.00)	386	
Policy focus (1=yes, 0=no)	0.89	0.76***	0.89***	0.76 (0.56, 0.92)	386	
Personality focus (1=yes, 0=no)	0.88	0.55***	0.78***	0.55 (0.18, 0.84)	386	
'Tough calls' removed						
Human interest focus (1=yes, 0=no)	0.92	0.73***	0.87***	0.72 (0.46, 0.94)	60	
Military focus (1=yes, 0=no)	0.90	0.79***	0.90***	0.79 (0.60, 0.96)	60	
Policy focus (1=yes, 0=no)	0.87	0.71***	0.87***	0.71 (0.48, 0.91)	60	
Personality focus (1=yes, 0=no)	0.88	0.67***	0.83***	0.66 (0.36, 0.90)	60	
c) Afghanistan training set						
Full training set	Agree	Kappa	W	Alpha (95% CI)	N	
Human interest focus (1=yes, 0=no)	0.91	0.79***	0.86***	0.79 (0.63, 0.91)	388	
Military focus (1=yes, 0=no)	0.89	0.75***	0.84***	0.75 (0.59, 0.88)	388	
Policy focus (1=yes, 0=no)	0.89	0.75***	0.83***	0.74 (0.59, 0.88)	388	
Personality focus (1=yes, 0=no)	0.81	0.68***	0.80***	0.67 (0.53, 0.79)	388	
'Tough calls' removed						
Human interest focus (1=yes, 0=no)	0.91	0.80***	0.87***	0.80 (0.66, 0.91)	316	
Military focus (1=yes, 0=no)	0.88	0.76***	0.85***	0.75 (0.61, 0.88)	316	
Policy focus (1=yes, 0=no)	0.89	0.67***	0.78***	0.67 (0.46, 0.83)	316	
Personality focus (1=yes, 0=no)	0.81	0.64***	0.78***	0.64 (0.49, 0.78)	316	
d) Kosovo training set						
Full training set	Agree	Kappa	W	Alpha (95% CI)	N	
Human interest focus (1=yes, 0=no)	0.94	0.83***	0.89***	0.83 (0.68, 0.95)	382	
Military focus (1=yes, 0=no)	0.87	0.80***	0.87***	0.79 (0.67, 0.89)	382	
Policy focus (1=yes, 0=no)	0.90	0.79***	0.87***	0.78 (0.62, 0.90)	382	
Personality focus (1=yes, 0=no)	0.76	0.65***	0.79***	0.65 (0.51, 0.76)	382	
'Tough calls' removed						
Human interest focus (1=yes, 0=no)	0.94	0.83***	0.89***	0.82 (0.66, 0.95)	341	
Military focus (1=yes, 0=no)	0.87	0.81***	0.88***	0.81 (0.71, 0.90)	341	
Policy focus (1=yes, 0=no)	0.92	0.82***	0.88***	0.81 (0.67, 0.92)	341	
Personality focus (1=yes, 0=no)	0.77	0.63***	0.78***	0.63 (0.49, 0.77)	341	

Significance levels: *p<.05, **p<.01, ***p<.001.

C.3 Wordscores algorithm

To automatically classify the content of each article according to a sample of reference texts from the training set, we used *wordscores*, a supervised learning method used to locate statements in a pre-determined issue space (Laver et al., 2003; Lowe, 2008).

Formally, let R be a set of reference texts included in the training set (e.g. a pair of news articles: one with a human interest focus and one without). Each text in $r \in R$ is assigned a position on dimension d (coverage type), denoted A_{rd} . For example, $A_{rd} = 1$ if article r has a human interest focus, and $A_{rd} = 0$ otherwise. Let F_{wr} be the relative frequency of word w in text r , as a proportion of the total number of words in the text. Let $P_{wr} = \frac{F_{wr}}{\sum_r(F_{wr})}$ be the probability that we are reading text r , given the occurrence of word w . The *wordscore* is defined as the expected position of a text on dimension d , given that we are reading word w : $S_{wd} = \sum_r(P_{wr}A_{rd})$. This statistic is an average of the a priori reference text scores A_{rd} , weighted by the probabilities P_{wr} . Let K be a set of texts included in the test set. The scores calculated for the training set are used to estimate the position of any new text $k \in K$ on dimension d : $S_{kd} = \sum_w(F_{wk}S_{wd})$, where F_{wk} is the frequency of scored word w in document k and S_{wd} is that word's score in the original training set.

D Variable definitions

D.1 Case identifiers

- DATE Format is YYYYMMDD.
- TID: Integer, indexing day of observation.
- SID Unique identifier of newspaper
- STID Newspaper-day identifier
- CSOURCE_DUB COW country code and name of newspaper from which article was selected.
Format: "USA_Newspaper", where "USA" is the country code and "Newspaper" is the source. See below for full list.
- SOURCE1 Name of newspaper.
- SOURCE2 Alternate name of newspaper.
- OWNER1 Name of newspaper's primary parent company.
- OWNER2 Name of newspaper's secondary parent company.

D.2 News Coverage

Newspaper-day level

- PUB Binary indicator of whether newspaper i published at least one story on foreign policy crisis on day t
- HARDNEWS_WS average hard news score for articles published by newspaper i on day t (calculated with Wordscores)

D.3 Covariates

- NETSIZE Number of newspapers co-owned by parent company(ies).
- INDEPENDENT Binary indicator for whether newspaper is the only media holding of parent company.
- PAID_CIRC1 Average daily newspaper circulation per 1,000 residents

D.4 Daily-level

- POSTINTERVENTION Binary indicator for whether the day of observation occurred prior to (0) or after (1) the U.S.-led military intervention

D.5 Country-level

Case identifiers

- COW Correlates of War 3-letter country code for state in which article was published.
- CNTRY Alternate 3-letter country code.
- CCODE Numerical country code (compatible with Correlates of War and Polity datasets)

Polity IV

- POLITY2 Polity IV Revised Combined Polity Score ([Jagers and Gurr, 1995](#)). Computed as difference between Institutionalized Democracy (DEMOC) and Institutionalized Autocracy (AUTO) scores, based on competitiveness of political participation (PARCOMP), regulation of participation (PARREG), openness and competitiveness of executive recruitment (XROPEN and XRCOMP), and constraints on the chief executive (XCONST). Ranges from +10 (strongly democratic) to -10 (strongly autocratic).

World Bank ([World Bank, 2012](#))

- WB_INTERNET2 Internet users (per 100 people)

E Additional analyses

E.1 Market competition and news coverage

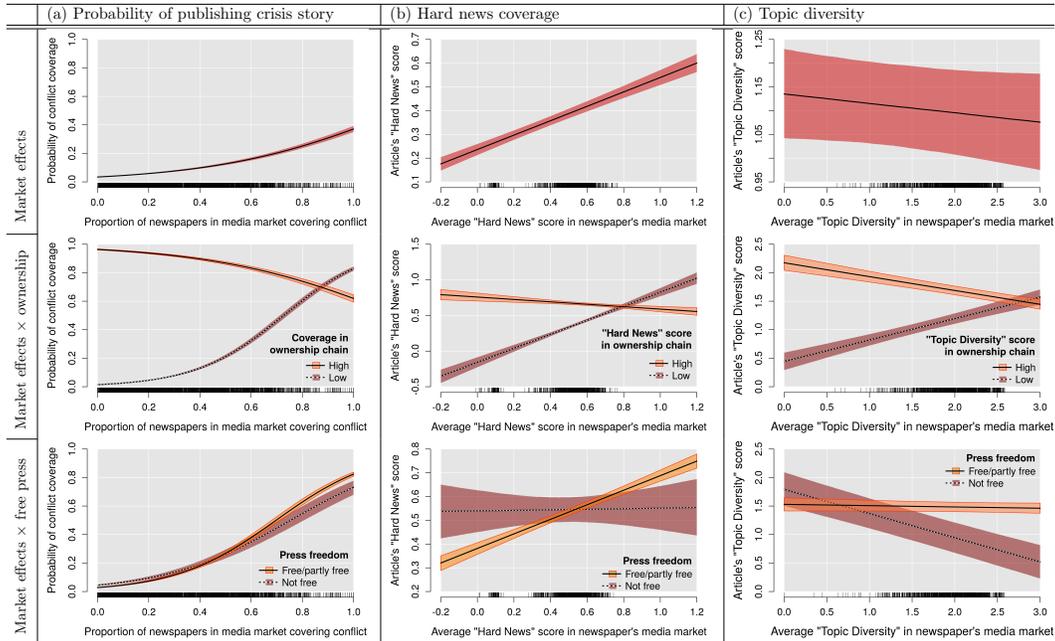
In Figure 4 of the main text, we reported the predicted scope, focus and diversity of news coverage, conditional on coverage in co-owned newspapers. Figure E.1 reports the results of similar simulations, for coverage in newspapers located in the same market. All else equal, coverage in same-market outlets has a similar homogenizing effect as coverage in co-owned newspapers, but the relationships here are weaker, particularly for the scope and diversity of coverage. Moreover, just as market coverage competition moderated the ownership effect in Figure 4 (main text), we can observe similar patterns on the opposite side of the interaction: market forces have less impact on coverage where co-owned papers already provide a high volume of diverse, hard news coverage.

Finally, consistent with H3, press freedom amplifies the influence of newspapers in the same market. An increase in the proportion of same-market newspapers covering a crisis from 0 to .25 increases the probability of coverage by 157 percent within non-free press states (95% CI: 143, 172), and 233 percent (95% CI: 227, 239) in states with a free press. A 1st-to-99th percentile increase in hard news among same-market newspapers yields no change at all in hard news for newspapers in states without a free press, but a 49.7 percent increase (95% CI: 41, 59) where press freedom exists. The pattern for topic diversity is even starker: the market effect is negative for states without a free press, but flat for states with free press. A possible explanation for this unexpectedly strong interaction is a desire among editors in autocracies to avoid unwanted attention and a potential crackdown, as they observe their counterparts' foreign policy coverage addressing an increasingly wide assortment of topics.

E.2 Variation in news coverage across markets

In addition to the day-to-day dynamics of coverage within a market, newspapers' editorial choices may depend on more static structural features of local market competition. Past research (Zaller, 1999; Hamilton, 2004; Dunaway, 2008) shows that the number of news outlets (print or electronic) within a given local media market influences the volume of hard news, relative to soft news. Zaller (1999), for instance, argues that because typical consumers generally prefer softer news than journalists prefer to provide, news outlets will offer the highest hard-to-soft news ratio that the local market will tolerate. Arguing from the median-voter logic of Downs (1957/1985), Zaller finds that media outlets in larger and more competitive local markets have a more limited hard news focus than in smaller and less competitive markets. Each new entrant into a local market, moreover, tends to have a more limited hard news focus than existing market actors. Increased competition thus drives news down-market, as new entrants compete for consumers who want less hard news than the existing market provides. As a media market fragments, with new entrants competing for smaller niches of the overall audience, they will tend to offer consumers relatively more – and more profitable (Shinar, 2003) – soft news, and relatively less hard news. Consistent with this logic, Hamilton (2004) reports that the

Figure E.1. Market competition and crisis coverage. Predicted values shown with solid lines. 95% confidence intervals shown with grey shading or error bars. Predictions are based on Models 1-9 in Table 2 (main text), with j = United States, m = Libya.



number of newspapers within a given locality is negatively correlated with the amount of hard news across all nine hard news topics he investigated (albeit not always statistically significantly so). Dunaway (2008), in turn, finds a similar pattern – reduced substantive campaign issue coverage as market competition increases – for campaign news coverage.

This logic appears particularly applicable to local media markets, where the competitive pressure produced by each additional entrant is likely to be especially direct and intense. Local and regional newspapers typically compete against a high number of rival outlets for a small pool of customers, while national newspapers are fewer in number and less likely to face comparable competitive pressures for survival. The average country has only 3 newspapers with national distribution (e.g. USA Today) or expanded distribution beyond their home metropolitan areas (e.g. The New York Times), and 18 newspapers that are local or regional in scope. A typical local market has 5.6 newspapers, compared to 4 for national markets, while average daily circulation for a national paper is nearly 3.5 times higher than for a typical local paper.¹ Consequently, while the Zaller logic (substantiated by Hamilton and Dunaway, among others) appears likely to apply to local or regional papers, we anticipate the opposite patterns for national newspapers. As with the “big three” US television networks during their oligopolistic heyday (roughly from the

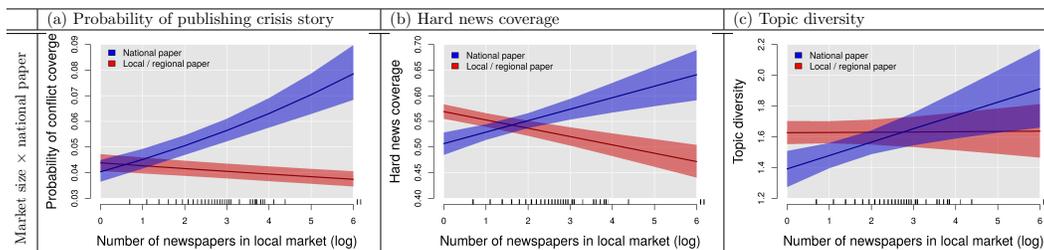
¹The differences in means are statistically significant, with Kolmogorov-Smirnov test statistics of .2, $p=.002$ for number of papers and .3, $p<.0001$ for average daily circulation.

1950s until the 1980s), national papers compete for the largest possible share of the overall national audience and are less likely to pursue distinct audience niches.

Results

As Figure E.2 shows, the data largely support the Zaller argument. For local and regional newspapers, the size of a media market has a negative impact on scope, hard news focus and topical diversity, but this relationship is the opposite for national newspapers. All else equal, an increase in market size from 1 to 480 (1st to 99th percentile) yields a 13 percent decrease (95% CI: -18, -8.5) in the probability of a local newspaper running a crisis story on an average day, from .043 to .037. The impact on relative hard news focus is even stronger, with the same counterfactual producing a 16 percent decline in local newspapers' hard news content (95% CI: -22, -11), from .54 to .46. The effect on topical diversity in local newspapers is also negative, but statistically insignificant.

Figure E.2. Impact of market size on crisis coverage. Predicted values shown with solid lines. 95% confidence intervals shown with grey shading or error bars. Predictions are based on Models 4-6 in Table 2 of main text, with j =United States, m = Libya.



Content in national newspapers exhibits very different patterns. Here, an increase in market size from the 1st to 99th percentile increases the probability of crisis news coverage on an average day by 84 percent (95% CI: 55, 117), from .44 to .80. It also increases an article's relative hard news score by 24 percent (95% CI: 12.4, 36.4), from .51 to .63, and topical diversity by 34 percent (95% CI: 12, 58), from 1.43 to 1.91.

These results suggest that, consistent with Zaller's argument, each new market entrant will tend to locate itself "down-market" from the existing entrants (i.e. toward less foreign policy coverage and more soft news). In the case of coverage focus, because journalists have a stronger preference for hard news than the general public, each entrant will provide the most hard news that its market will tolerate. This tolerance declines as markets grow. Larger, national papers are immune from some of these pressures because they are competing for readership in markets with higher barriers to entry, but a larger potential base of consumers. Competitive pressures in these environments favor oligopolistic practices over niche strategies, as national newspapers vie for the median citizen and produce more mainstream content to expand their market shares.

E.3 Trade publications

The analyses reported in the main paper utilize a restricted sample of newspapers, including only traditional news publications (e.g. *Le Monde*) and excluding trade publications (e.g. *Automotive News*). While trade publications represent a relatively small share of the sample (79 newspapers, or 3.2 percent), a potential concern is that excluding these publications from the analysis might inflate our coefficient estimates. Trade publications do occasionally publish news stories on the topic of foreign policy (and how it might affect their industry), but because these are already highly specialized outlets, their editorial decisions may be relatively immune from some of the network pressures that might impact a general audience outlet in the same chain. To address this concern, we replicated all of our main results with an expanded sample (2,505 newspapers) that includes trade publications. These additional results, which we report in Table E.1, are consistent with the ones shown in the main text.

E.4 English-language vs. non-English language sources

The analyses reported in the main text are based on a multilingual text corpus, with news stories from 116 countries, which we translated to English with machine translation (in our case, with Google Translate API). To assess whether machine translation might systematically bias our results, we split the sample between English-only and non-English newspapers, and replicated our analyses of coverage focus and diversity on each subsample. These additional results, reported in Table E.2, show similar patterns to those in the pooled analysis: co-owned newspapers feature very similar types of coverage, but market forces weaken this effect.

E.5 Alternate measures of press freedom

The analyses reported in Table 2 (Models 3, 6 and 9) in the main text rely on a dichotomized version of Freedom House's "Freedom of the Press" index, with a critical value of 60 ("Partially Free") determining a country's status. To ensure that our test of H3 is not overly dependent on this choice, we replicated our analyses with an alternative threshold for the Freedom House measure (30, "Free"), as well as with two similar dichotomous variables calculated from Reporters Without Borders' World Press Freedom index, with thresholds of 25 ("Fairly Good") and 15 ("Good"). As Tables E.3-E.5 report, these alternate measures affect the relative sizes and standard errors of the coefficients, but not their signs or substantive interpretation.

Table E.1. Coefficient estimates, including trade publications. Fixed effect models.

Model: Dependent variable: Hypothesis:	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Prob. of news coverage			Hard news score			Topic diversity		
	H1a	H2a	H3a	H1b	H2b	H3b	H1c	H2c	H3c
Daily news coverage dynamics									
Coverage in co-owned papers (t-1)	5.19*** (0.16)	7.48*** (0.19)	8.67*** (0.49)						
Coverage in local market (t-1)	2.83*** (0.20)	5.81*** (0.23)	4.81*** (0.58)						
Coverage in co-owned papers (t-1) * Coverage in local market (t-1)		-8.60*** (0.39)	-8.51*** (0.38)						
Hard news in co-owned papers (t-1)				0.23* (0.17)	0.87*** (0.63)	1.20*** (0.87)			
Hard news in local market (t-1)				0.30*** (0.21)	0.86*** (0.58)	0.56** (0.38)			
Hard news in co-owned papers (t-1) * Hard news in local market (t-1)					-1.09*** (-0.60)	-1.07*** (-0.59)			
Diversity in co-owned papers (t-1)							0.22** (0.11)	0.65** (0.32)	0.92*** (0.46)
Diversity in local market (t-1)							-0.015 (-0.0065)	0.38* (0.17)	-0.11 (-0.048)
Diversity in co-owned papers (t-1) * Diversity in local market (t-1)								-0.23* (-0.37)	-0.15* (-0.24)
Press freedom interactions									
Partly free or free press (FH)			-0.00086 (0.39)			0.037 (0.057)			0.33 (0.13)
Coverage in co-owned papers (t-1) * Partly free or free press (FH)			-1.34** (0.49)						
Coverage in local market (t-1) * Partly free or free press (FH)			1.06* (0.58)						
Hard news in co-owned papers (t-1) * Partly free or free press (FH)						-0.36* (-0.38)			
Hard news in local market (t-1) * Partly free or free press (FH)						0.30* (0.31)			
Diversity in co-owned papers (t-1) * Partly free or free press (FH)									-0.50*** (-0.46)
Diversity in local market (t-1) * Partly free or free press (FH)									0.39*** (0.35)
Daily circulation (log) * Partly free or free press (FH)			0.14* (0.080)			0.0040 (0.038)			0.018 (0.045)
Trade publication * Partly free or free press (FH)			-0.29 (1.14)						
National newspaper * Partly free or free press (FH)			-0.68*** (0.20)			-0.00079 (-0.0023)			-0.60** (-0.44)
Size of local market * Partly free or free press (FH)			-0.24** (0.079)			-0.018 (-0.077)			0.74** (0.78)
Newspaper-level covariates									
Daily circulation (log)	0.28*** (0.032)	0.24*** (0.032)	0.10 (0.074)	0.0023 (0.016)	0.0018 (0.012)	-0.0020 (-0.014)	0.038 (0.064)	0.039 (0.065)	0.022 (0.036)
Trade publication	-2.05*** (0.45)	-1.95*** (0.50)	-2.06* (1.12)						
National newspaper	-0.061 (0.21)	-0.0025 (0.21)	0.53* (0.23)	-0.033** (-0.098)	-0.037*** (-0.11)	-0.034* (-0.10)	-0.19* (-0.14)	-0.18* (-0.13)	0.39* (0.28)
Size of local market	-0.045 (0.043)	-0.018 (0.043)	0.21** (0.069)	-0.0099* (-0.041)	-0.011* (-0.044)	0.0077 (0.032)	0.018 (0.018)	0.00090 (0.00091)	-0.73** (-0.74)
National newspaper * Size of local market	0.22* (0.11)	0.12 (0.11)	0.15 (0.11)	0.023** (0.11)	0.026*** (0.13)	0.024** (0.12)	0.053 (0.062)	0.062 (0.072)	0.079 (0.092)
Country-level covariates									
Democracy score (Polity2)	-0.0044 (0.024)	0.0043 (0.024)	-0.00014 (0.025)	-0.0025** (-0.059)	-0.0037*** (-0.088)	-0.0044** (-0.11)	0.015 (0.086)	0.015* (0.088)	0.012 (0.072)
Number of parties	0.0026 (0.0087)	0.00046 (0.0082)	0.0024 (0.0076)	-0.00033 (-0.018)	0.00025 (0.014)	0.00034 (0.019)	-0.011* (-0.15)	-0.010 (-0.14)	-0.012* (-0.16)
Internet access	0.0014 (0.0040)	0.00018 (0.0040)	0.00048 (0.0040)	0.00064* (0.095)	0.00092** (0.14)	0.00099*** (0.15)	0.00060 (0.022)	0.00040 (0.015)	0.00013 (0.00047)
Time effects									
Post-intervention	-0.16** (0.051)	-0.37*** (0.050)	-0.36*** (0.050)	0.025* (0.072)	0.022* (0.062)	0.022* (0.063)	-0.061 (-0.043)	-0.0087 (-0.0061)	0.0015 (0.0011)
Time	0.0073*** (0.00044)	0.0046*** (0.00045)	0.0046*** (0.00045)	0.000040 (0.016)	0.000017 (0.0068)	0.000021 (0.0084)	-0.0014** (-0.14)	-0.00096* (-0.093)	-0.00095* (-0.092)
Post-intervention * Time	-0.0080*** (0.00051)	-0.0055*** (0.00051)	-0.0055*** (0.00051)	-0.00014 (-0.075)	-0.00011 (-0.057)	-0.00011 (-0.060)	0.0014** (0.18)	0.00093* (0.12)	0.00086* (0.11)
Country FE	Y	Y	Y	Y	Y	Y	Y	Y	Y
Conflict FE	Y	Y	Y	Y	Y	Y	Y	Y	Y
Newspaper-clustered SE	Y	Y	Y	Y	Y	Y	Y	Y	Y
Unit of analysis	Newspaper -day	Newspaper -day	Newspaper -day	Article	Article	Article	Article	Article	Article
Observations	1,060,850	1,060,850	1,060,850	58,340	58,340	58,340	59,003	59,003	59,003
R-squared				0.499	0.500	0.500	0.139	0.140	0.144
ll	-205854	-200132	-199752	41488	41555	41571	-57031	-56969	-56862
df_m	122	108	115	53	55	59	53	54	60

Robust standard errors in parentheses. Standardized coefficients reported for Models 4-9.
*** p<0.001, ** p<0.01, * p<0.05, † p<0.1

Table E.2. Coefficient estimates. Fixed effect models. English vs. non-English language newspapers.

Model: Dependent variable: Subset:	(1) Prob. of news coverage		(2) Prob. of news coverage		(3) Hard news score		(4) Hard news score		(5) Topic diversity		(6) Topic diversity	
	English	Non-English	English	Non-English	English	Non-English	English	Non-English	English	Non-English	English	Non-English
Daily news coverage dynamics												
Coverage in co-owned papers (t-1)	7.86*** (0.34)	6.93*** (0.22)										
Coverage in local market (t-1)	6.04*** (0.37)	5.52*** (0.31)										
Coverage in co-owned papers (t-1) * Coverage in local market (t-1)	-9.79*** (0.85)	-7.57*** (0.43)										
Hard news in co-owned papers (t-1)			1.40** (0.93)		0.86*** (0.62)							
Hard news in local market (t-1)			1.42*** (0.93)		0.84*** (0.57)							
Hard news in co-owned papers (t-1) * Hard news in local market (t-1)			-2.14*** (-1.29)		-1.07** (-0.59)							
Diversity in co-owned papers (t-1)								0.91** (0.53)		0.62** (0.31)		
Diversity in local market (t-1)								0.85* (0.49)		0.32* (0.14)		
Diversity in co-owned papers (t-1) * Diversity in local market (t-1)								-0.41** (-0.80)		-0.21* (-0.34)		
Newspaper-level covariates												
Daily circulation (log)	0.35*** (0.045)	0.084' (0.043)	-0.0068 (-0.044)		0.0018 (0.012)			-0.073 (-0.12)		0.042' (0.070)		
Trade publication	-2.27*** (0.27)	-1.69' (0.95)										
National newspaper	-0.16 (0.31)	-0.22 (0.27)	0.022 (0.068)		-0.040*** (-0.12)			-0.012 (-0.0096)		-0.19* (-0.14)		
Size of local market	-0.019 (0.062)	0.0076 (0.053)	0.035' (0.11)		-0.012* (-0.050)			0.14' (0.11)		-0.0028 (-0.0028)		
National newspaper * Size of local market	0.069 (0.14)	0.36* (0.16)	-0.021' (-0.074)		0.029*** (0.14)			0.0068 (0.0061)		0.077 (0.091)		
Country-level covariates												
Democracy score (Polity2)	-0.012 (0.098)	-0.0063 (0.025)	0.016 (0.46)		-0.0036** (-0.083)			0.28** (2.07)		0.018* (0.10)		
Number of parties	-0.025 (0.029)	0.0051 (0.0091)	-0.033' (-4.79)		0.00028 (0.013)			-0.46** (-17.1)		-0.013* (-0.14)		
Internet access	-0.0033 (0.0065)	0.0096 (0.0060)			0.00096** (0.14)					0.000043 (-0.0016)		
Time effects												
Post-intervention	-0.46*** (0.081)	-0.24*** (0.063)	0.026 (0.075)		0.022' (0.062)			-0.067 (-0.051)		0.0020 (0.0014)		
Time	0.0042*** (0.00060)	0.0054*** (0.00068)	0.00022 (0.081)		5.6e-06 (0.0022)			-0.00094 (-0.089)		-0.00092* (-0.090)		
Post-intervention * Time	-0.0051*** (0.00078)	-0.0062*** (0.00072)	-0.00019 (-0.097)		-0.00010 (-0.053)			0.0016 (0.21)		0.00080' (0.10)		
Country FE	Y	Y	Y		Y			Y		Y		
Conflict FE	Y	Y	Y		Y			Y		Y		
Newspaper-clustered SE	Y	Y	Y		Y			Y		Y		
Unit of analysis	Newspaper	Newspaper	Article		Article			Article		Article		
Observations	-day 625,026	-day 435,824	3,739		54,601			3,740		55,263		
R-squared			0.481		0.501			0.180		0.132		
ll	-101532	-97634	2819		38758			-3066		-53781		
df_m	35	89	16		48			16		48		

Robust standard errors in parentheses. Standardized coefficients reported for Models 3-6.

*** p<0.001, ** p<0.01, * p<0.05, † p<0.1

Table E.3. Test of H3a (scope). Fixed effect models. Alternative measures of press freedom.

Model: Dependent variable: Subset:	(1)	(2)	(3)	(4)
	RSF Free	RSF Partly Free	FH Free	FH Partly Free
Daily news coverage dynamics				
Coverage in co-owned papers (t-1)	7.81*** (0.33)	7.75*** (0.37)	7.91*** (0.29)	8.68*** (0.49)
Coverage in local market (t-1)	5.34*** (0.39)	5.37*** (0.42)	5.47*** (0.36)	4.82*** (0.58)
Coverage in co-owned papers (t-1) * Coverage in local market (t-1)	-8.61*** (0.38)	-8.59*** (0.38)	-8.60*** (0.38)	-8.51*** (0.38)
Press freedom interactions				
Free press (RSF)	-0.0084 (0.28)			
Coverage in co-owned papers (t-1) * Free press (RSF)	-0.45 (0.35)			
Coverage in local market (t-1) * Free press (RSF)	0.64 (0.40)			
Partly free or free press (RSF)		-0.12 (0.30)		
Coverage in co-owned papers (t-1) * Partly free or free press (RSF)		-0.36 (0.38)		
Coverage in local market (t-1) * Partly free or free press (RSF)		0.57 (0.42)		
Free press (FH)			-0.23 (0.37)	
Coverage in co-owned papers (t-1) * Free press (FH)			-0.62* (0.31)	
Coverage in local market (t-1) * Free press (FH)			0.47 (0.37)	
Partly free or free press (FH)				-0.019 (0.39)
Coverage in co-owned papers (t-1) * Partly free or free press (FH)				-1.36** (0.49)
Coverage in local market (t-1) * Partly free or free press (FH)				1.06' (0.58)
Newspaper-level covariates				
	Y	Y	Y	Y
Country-level covariates				
	Y	Y	Y	Y
Time effects				
	Y	Y	Y	Y
Country FE	Y	Y	Y	Y
Conflict FE	Y	Y	Y	Y
Newspaper-clustered SE	Y	Y	Y	Y
Unit of analysis	Newspaper-day	Newspaper-day	Newspaper-day	Newspaper-day
Observations	1,080,329	1,080,329	1,080,329	1,080,329
ll	-205252	-205286	-205222	-205043
df_m	118	117	117	117

Robust standard errors in parentheses.
 *** p<0.001, ** p<0.01, * p<0.05, ' p<0.1

Table E.4. Test of H3b (focus). Fixed effect models. Alternative measures of press freedom.

Model: Dependent variable: Subset:	(1)	(3)		(4)
	RSF Free	RSF Partly Free	FH Free	FH Partly Free
Daily news coverage dynamics				
Hard news in co-owned papers (t-1)	1.13*** (0.82)	1.08*** (0.78)	0.97*** (0.70)	1.14*** (0.83)
Hard news in local market (t-1)	0.58** (0.39)	0.69*** (0.47)	0.26 (0.18)	0.49* (0.33)
Hard news in co-owned papers (t-1) * Hard news in local market (t-1)	-1.03*** (-0.57)	-1.08*** (-0.60)	-0.63* (-0.35)	-0.96*** (-0.53)
Press freedom interactions				
Free press (RSF)	0.074** (0.18)			
Hard news in co-owned papers (t-1) * Free press (RSF)	-0.33* (-0.46)			
Hard news in local market (t-1) * Free press (RSF)	0.26' (0.36)			
Partly free or free press (RSF)		0.064* (0.14)		
Hard news in co-owned papers (t-1) * Partly free or free press (RSF)		-0.23 (-0.30)		
Hard news in local market (t-1) * Partly free or free press (RSF)		0.15 (0.20)		
Free press (FH)			0.048** (0.14)	
Hard news in co-owned papers (t-1) * Free press (FH)			-0.48*** (-0.77)	
Hard news in local market (t-1) * Free press (FH)			0.46*** (0.73)	
Partly free or free press (FH)				0.0047 (0.0072)
Hard news in co-owned papers (t-1) * Partly free or free press (FH)				-0.36* (-0.38)
Hard news in local market (t-1) * Partly free or free press (FH)				0.31* (0.32)
Newspaper-level covariates				
	Y	Y	Y	Y
Country-level covariates				
	Y	Y	Y	Y
Time effects				
	Y	Y	Y	Y
Country FE	Y	Y	Y	Y
Conflict FE	Y	Y	Y	Y
Newspaper-clustered SE	Y	Y	Y	Y
Unit of analysis	Article	Article	Article	Article
Observations	58,475	58,475	58,475	58,475
R-squared	0.500	0.500	0.502	0.499
ll	41711	41691	41811	41655
df_m	60	61	60	59

Standardized coefficients reported. Robust standard errors in parentheses.
 *** p<0.001, ** p<0.01, * p<0.05, ' p<0.1

Table E.5. Test of H3c (diversity). Fixed effect models. Alternative measures of press freedom.

<i>Model:</i>	(1)	(2)	(3)	(4)
<i>Dependent variable:</i>	Topic diversity score			
<i>Subset:</i>	RSF Free	RSF Partly Free	FH Free	FH Partly Free
Daily news coverage dynamics				
Diversity in co-owned papers (t-1)	0.64*** (0.32)	0.74*** (0.37)	0.70*** (0.35)	0.91*** (0.46)
Diversity in local market (t-1)	0.54** (0.24)	0.49** (0.22)	0.37* (0.16)	-0.13 (-0.058)
Diversity in co-owned papers (t-1) * Diversity in local market (t-1)	-0.21* (-0.34)	-0.21* (-0.34)	-0.21** (-0.34)	-0.14* (-0.23)
Press freedom interactions				
Free press (RSF)	0.63** (0.37)			
Diversity in co-owned papers (t-1) * Free press (RSF)	-0.040 (-0.050)			
Diversity in local market (t-1) * Free press (RSF)	-0.25** (-0.32)			
Partly free or free press (RSF)		0.62** (0.34)		
Diversity in co-owned papers (t-1) * Partly free or free press (RSF)		-0.15' (-0.18)		
Diversity in local market (t-1) * Partly free or free press (RSF)		-0.19* (-0.22)		
Free press (FH)			0.74** (0.52)	
Diversity in co-owned papers (t-1) * Free press (FH)			-0.18' (-0.27)	
Diversity in local market (t-1) * Free press (FH)			-0.046 (-0.066)	
Partly free or free press (FH)				0.31 (0.13)
Diversity in co-owned papers (t-1) * Partly free or free press (FH)				-0.50*** (-0.46)
Diversity in local market (t-1) * Partly free or free press (FH)				0.40*** (0.36)
Newspaper-level covariates				
	Y	Y	Y	Y
Country-level covariates				
	Y	Y	Y	Y
Time effects				
	Y	Y	Y	Y
Country FE	Y	Y	Y	Y
Conflict FE	Y	Y	Y	Y
Newspaper-clustered SE	Y	Y	Y	Y
Unit of analysis	Article	Article	Article	Article
Observations	59,138	59,138	59,138	59,138
R-squared	0.142	0.143	0.144	0.143
ll	-57029	-57000	-56957	-56983
df_m	60	60	60	60

Robust standard errors in parentheses.
 *** p<0.001, ** p<0.01, * p<0.05, ' p<0.1

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