Supplementary Table 1. Country Level Data for Maps

Countries	DW_Article	DW_Prof	Temp_Artic	Temp_Prof	FSL_Article	FSL_Prof	D_Article	D_Prof	Prof_Total
Australia	1	12	2	11					23
Argentina			1						0
Bangladesh	1		2						0
Brazil	3	6	3	4					10
Canada	1	3	2	3	2	18	1	14	38
China		4	5	18		1			23
Cyprus			1						0
Czechia			2	6	1	5			11
Denmark		1	2						1
Finland			1	1			1	11	12
France			3	9					9
Germany			2	5					5
Greece			1	2					2
Hungary			3	1					1
India			1				1	2	2
Iran			1						0
Ireland			1						0
Israel			1						0
Italy			4	8				1	9
Japan		7	1		1	10			17
Kazakhstan			1						0
Kuwait			1						0
Lithuamia			1						0
Malaysia			1						0
Mexico			1						0
Nepal			1	5					5
Netherlands			1				1	5	5
New Zealand			1	2					2
Norway			2	1					1
Philippines			1						0
Portugal	1	2	2						2
Qatar			2						0
Russian Fed	1	8	2						8
Serbia			1						0
Slovenia			1						0
Republic of Korea			3	7					7
Spain	3	18	7	26			1	5	49
Sweden		3	5	11					14
Switzerland		1	1	1					2
Thailand			2						0
UK			6	20			1	3	23
USA	18	115	8	34	8	59	4	28	236
Vietnam			2						

Supplementary Table 2. Author/Country Data for Analsysis

AuthorName_Last	Job Location	Year	Topic	StudyArea	Title
Nagayoshi	Japan	2015	Landslide	Japan	Heart attacks triggered by huge mud slides in mountain regions and severe flooding in inhabited areas
Yumoto	Japan				
Sakaguchi	Japan				
Shudo	Japan				
Takino	Japan				
Hashiyama	Japan				
Kai	Japan				
Kuroda	Japan				
Kawano	Japan				
Ogawa	Japan				
Ackakulwisut	USA	2018	Drought	USA	Drought-sensitivity of fine dust in the US Southwest: Implications for air quality and public health under future climate change
Mickley	USA				
Anenberg	USA				
Lynch	USA	2020	Drought	USA	Drought severity and all-cause mortality rates among adults in the United States: 1968-2014.
Lyles	USA				
Waller	USA				
Abadi	USA				
Bell	USA				
Gribble	USA				
Alam	Japan	2022	Drought	Bangladesh	Short- and Long-Term Effects of Drought on Selected Causes of Mortality in Northern Bangladesh.
Otani	Japan				
Nagata	Japan				
Khan	Japan				
Masumoto	Japan				
Amano	Japan				
Kurozawa	Japan				
Salvador	Spain	2020	Drought	Spain	Quantification of the Effects of Droughts on Daily Mortality in Spain at Different Timescales at Regional and National Levels: A Meta-Analysis.
Neito	Spain				
Linares	Spain				
Diaz	Spain				
Gimeno	Spain				
Jalalzadeh	USA	2022	Drought	USA	Evaluating Changes in Health Risk from Drought over the Contiguous United States.
Puvvula	USA				
Bell	USA				
Salvador	Spain	2022	Dought	Brazil	Effects of drought on mortality in macro urban areas of brazil between 2000 and 2019.
Vicedo-Cabrera	Switzerland				
Libonati	Brazil				
Russo	Portugal				
Garcia	Brazil				
Belem	Brazil				
Gimeno	Spain				
Nieto	Spain				
Salvador	Spain	2020	Drought	Spain	Short-term effects of drought on daily mortality in Spain from 2000 to 2009.
Nieto	Spain				
Linares	Spain				
Diaz	Spain				
Gimeno	Spain				
Abadi	USA	2022	Drought	USA	Drought and all-cause mortality in Nebraska from 1980 to 2014: Time-series analyses by age, sex, race, urbanicity and drought severity.
Gwon	USA				
Gribble	USA				
Berman	USA				
Bilotta	USA				
Hobbins	USA				
Bell	USA				
Berman	USA	2017	Drought	USA	Drought and the risk of hospital admissions and mortality in older adults in western USA from 2000 to 2013: a retrospective study.
Ebisu	USA				
Peng	USA				
Dominci	USA				
Bell	USA				

AuthorName_Last	Job Location	Year	Topic	StudyArea	Title
Salvador	Spain	2021	Drought	Portugal	Drought effects on specific-cause mortality in Lisbon from 1983 to 2016: Risks assessment by gender and age groups.
Neito	Spain				
Linares	Spain				
Diaz	Spain				
Alves	Portugal				
Gimeno	Spain				
Fu	Canada	2018	xtreme Col	India	Mortality attributable to hot and cold ambient temperatures in India: a nationally representative case-crossover study
Gasparrini	UK				
Rodriguez	Canada				
Jha	Canada				
Lin	USA	2016	xtreme Col	USA	Association Between Low Temperature During Winter Season and Hospitalizations for Ischemic Heart Diseases in New York State
Soim	USA				
Gleason	USA				
Hwang	USA				
Rocklov	Sweden	2014	xtreme Col	Sweden	Susceptibility to mortality related to temperature and heat and cold wave duration in the population of Stockholm County, Sweden.
Forsberg	Sweden				
Ebi	Sweden				
Bellander	Sweden				
Carmona	Spain	2016	xtreme Col	Spain	Geographical variation in relative risks associated with cold waves in Spain: The need for a cold wave prevention plan.
Diaz	Spain				
Miron	Spain				
Ortiz	Spain				
Leon	Spain				
Linares	Spain				
Sartini	UK	2016	xtreme Col	UK	Effect of cold spells and their modifiers on cardiovascular disease events: Evidence from two prospective studies.
Barry	UK				
Wannamethee	UK				
Whincup	UK				
Lennon	UK				
Ford	UK				
Morris	UK				
Ha	USA	2017	xtreme Col	USA	Ambient temperature and risk of cardiovascular events at labor and delivery: A case-crossover study.
Nguyen	USA				
Liu	USA				
Mannisto	USA				
Nobles	USA				
Sherman	USA				
Mendola	USA				
Qin	New Zealand	2017	xtreme Hea	China	The interactive effects between high temperature and air pollution on mortality: A time-series analysis in Hefei, China.
Xiao	China				
Zhu	China				
Li	China				
Yang	China				
Gu	China				
Xia	China				
Su	China				
Liu	China				
Woodward	New Zealand				
Zheng	China	2016	xtreme Hea	China	Gender, Age and Season as Modifiers of the Effects of Diurnal Temperature Range on Emergency Room Admissions for Cause-Specific Cardiovascular Disease among the Elderly in Beijing.
Wang	China				
Li	China				
Wang	China				
He	China				
Yin	China				
Shang	China				
Li	China				
Kwon	Korea	2015	xtreme Hea	South Korea	Vulnerabilities to temperature effects on acute myocardial infarction hospital admissions in south korea.

AuthorName_Last	Job Location	Year	Topic	StudyArea	Title
Lee	Korea				
Lee	Korea				
Heo	Korea				
Jo	Korea				
Kim	Korea				
Park	Korea				
Yin	China	2017	xtreme Hea	China	The association between consecutive days' heat wave and cardiovascular disease mortality in Beijing, China.
Wang	China				
Garcia-Lledo	Spain	2020	xtreme Hea	Spain	Heat waves, ambient temperature, and risk of myocardial infarction: an ecological study in the Community of Madrid.
Rodriguez-Martin	Spain				
Tobias	Spain				
Alonso-Martin	Spain				
Ansede-Cascudo	Spain				
de Abajo	Spain				
Achebak	Spain	2018	xtreme Hea	Spain	Heat-related mortality trends under recent climate warming in Spain: A 36-year observational study.
Devolder	Spain				
Ballester	Spain				
Rocklov	Sweden	2014	xtreme Hea	Sweden	Susceptibility to mortality related to temperature and heat and cold wave duration in the population of Stockholm County, Sweden.
Forsberg	Sweden				
Ebi	Sweden				
Bellander	Sweden				
Fisher	USA	2017	xtreme Hea	USA	Summertime extreme heat events and increased risk of acute myocardial infarction hospitalizations.
Jiang	USA				
Soneja	USA				
Mitchell	USA				
Puett	USA				
Sapkota	USA				
Kanner	USA	2021	xtreme Hea	USA	Risk of cardiovascular events during labor and delivery associated with acute ambient temperature changes
Stevens	USA				
Nobles	USA				
Rohn	USA				
Ha	USA				
Mannisto	Finland				
Ouidir	USA				
Mendola	USA				
Lenane	USA	2019	Storms	USA	Association of Post-Traumatic Stress Disorder Symptoms Following Hurricane Katrina With Incident Cardiovascular Disease Events Among Older Adults With Hypertension.
Peacock	USA				
Joyce	USA				
Frohlich	USA				
Re	USA				
Muntner	USA				
Krousel-Wood	USA				
Analitis	Greece	2014	xtreme Hea	ary, UK, Ital	Effects of heat waves on mortality: effect modification and confounding by air pollutants.
Michelozzi	Italy				
D'Ippoliti	Italy				
de'Donato	Italy				
Menne	Germany				
Matthies	Germany				
Atkinson	UK				
Iniguez	Spain				
Basagana	Spain				
Schneider	Germany				
Lefranc	France				
Paldy	Hungary				
Bisanti	Italy				
Katsouyanni	Greece				
Lopez-Bueno	Spain	2019	xtreme Hea	Spain	Differences in the impact of heat waves according to urban and peri-urban factors in Madrid.
Diaz	Spain				
Linares	Spain				

AuthorName_Last	Job Location	Year	Topic	StudyArea	Title
Urban	Czechia	2016	xtreme Hea	Czechia	Spatial Patterns of Heat-Related Cardiovascular Mortality in the Czech Republic.
Burkart	Czechia				
Kysely	Czechia				
Schuster	Germany				
Plavcova	Czechia				
Hanzlikova	Czechia				
Stepanek	Czechia				
Lakes	Germany				
Ouidin Astrom	Sweden	2015	xtreme Hea	weden, Ital	The effect of heat waves on mortality in susceptible groups: a cohort study of a mediterranean and a northern European City.
Schifano	Italy				
Asta	Italy				
Lallo	Italy				
Michelozzi	Italy				
Rocklov	Sweden				
Forsberg	Sweden				
Green	UK	2016	xtreme Hea	UK	Mortality during the 2013 heatwave in England--How did it compare to previous heatwaves? A retrospective observational study.
Andrew	UK				
Armstrong	UK				
Bickler	UK				
Pebody	UK				
Smith	UK	2016	xtreme Hea	UK	The Impact of Heatwaves on Community Morbidity and Healthcare Usage: A Retrospective Observational Study Using Real-Time Syndromic Surveillance.
Elliot	UK				
Hajat	UK				
Bone	UK				
Bates	UK				
Smith	UK				
Kovats	UK				
Pradhan	Nepal	2019	xtreme Hea	Qatar	Heat stress impacts on cardiac mortality in nepali migrant workers in qatar.
Kjellstrom	Australia				
Atar	Norway				
Sharma	Nepal				
Kayastha	Nepal				
Bhandari	Nepal				
Pradhan	Nepal				
Roubille	France	2023	xtreme Hea	France	Impact of global warming on weight in patients with heart failure during the 2019 heatwave in France.
Matzner-Lober	France				
Aguilhon	France				
Rene	France				
Lecourt	France				
Galinier	France				
Ricci	France				
Molinari	France				
Ha	USA	2017	xtreme Hea	USA	Ambient temperature and risk of cardiovascular events at labor and delivery: A case-crossover study.
Nguyen	USA				
Liu	USA				
Mannisto	USA				
Nobles	USA				
Sherman	USA				
Mendola	USA				
Salvador	Spain	2023	xtreme Hea	Spain	Heat-related first cardiovascular event incidence in the city of Madrid (Spain): Vulnerability assessment by demographic, socioeconomic, and health indicators.
Gullon	Spain				
Franco	Spain				
Vicedo-Cabrera	Switzerland				
Chen	China	2023	xtreme Hea	Global	Rising vulnerability of compound risk inequality to ageing and extreme heatwave exposure in global cities
Chen	China				
Zhou	China				
Hu	China				
Jiang	China				
Huang	China				
Gong	China				

AuthorName_Last	Job Location	Year	Topic	StudyArea	Title
Xian	China				
Khatana	USA	2022	xtreme Hea	USA	Association of Extreme Heat and Cardiovascular Mortality in the United States: A County-Level Longitudinal Analysis From 2008 to 2017.
Werner	USA				
Groeneveld	USA				
Silveira	Brazil	2019	xtreme Hea	Brazil	The effect of ambient temperature on cardiovascular mortality in 27 Brazilian cities.
Oliveira	Brazil				
Cortes	Brazil				
Junger	Brazil				
Liu	Australia	2022	xtreme Hea	aly, Kazakhs	Heat exposure and cardiovascular health outcomes: a systematic review and meta-analysis
Varghese	Australia				
Hansen	Australia				
Zhang	Australia				
Driscoll	Australia				
Morgan	Australia				
Dear	Australia				
Gourley	Australia				
Capon	Australia				
Bi	Australia				
Achebak	Spain	2019	xtreme Hea	Spain	Trends in temperature-related age-specific and sex-specific mortality from cardiovascular diseases in Spain: a national time-series analysis.
Devolder	Spain				
Ballester	Spain				
Bunker	Germany	2016	xtreme Hea	y, Italy, Braz	Effects of Air Temperature on Climate-Sensitive Mortality and Morbidity Outcomes in the Elderly; a Systematic Review and Meta-analysis of Epidemiological Evidence
Wildenhain	UK				
Vandenbergh	Germany				
Henschke	Germany				
Rocklov	Sweden				
Hajat	UK				
Sauerborn	Germany				
Prudent	USA	2016	Floods	USA	Assessing climate change and health vulnerability at the local level: Travis County, Texas.
Houghton	USA				
Luber	USA				
Vanasse	Canada	2016	Floods	Canada	Association between Floods and Acute Cardiovascular Diseases: A Population-Based Cohort Study Using a Geographic Information System Approach.
Cohen	Canada				
Courteau	Canada				
Bergeon	Canada				
Dault	Canada				
Gosselin	Canada				
Blais	Canada				
Belanger	Canada				
Rochette	Canada				
Chebana	Canada				
Obrova	Czechia	2014	Floods	Czechia	Effects of the july 1997 floods in the Czech Republic on cardiac mortality.
Sovova	Czechia				
Ivanova	Czechia				
Taborsky	Czechia				
Loyka	Czechia				
Auger	Canada	2017	Snowfall	Canada	Association between quantity and duration of snowfall and risk of myocardial infarction.
Potter	Canada				
Smargiassi	Canada				
Bilodeau-Bertrand	Canada				
Paris	Canada				
Kosatsky	Canada				
Munoz-Quiles	Spain	2024	Disease	Spain	Risk of cardiovascular events after influenza: A population-based Self Controlled Case Series study, Spain 2011-2018.
Lopez-Lacort	Spain				
Urchueguia	Spain				
Diez-Domingo	Spain				
Orrico-Sanchez	Spain				

AuthorName_Last	Job Location	Year	Topic	StudyArea	Title
Banerjee	India	2016	Disease	India	The burden of infectious and cardiovascular diseases in India from 2004 to 2014.
Dwivedi	India				
Hartog	Netherlands	2018	Disease	Netherlands	Ethnic differences in infectious burden and the association with metabolic risk factors for cardiovascular disease: a cross-sectional analysis.
van Rooigen	Netherlands				
Ujcic-Voortman	Netherlands				
Prins	Netherlands				
van Valkengoed	Netherlands				
Sipila	Finland	2023	Disease	UK, Finland	Severe infection and risk of cardiovascular disease: A multicohort study.
Lindbohm	Finland				
Batty	UK				
Heikkila	Finland				
Vahtera	Finland				
Souminen	Finland				
Vaananen	Finland				
Koskinen	Finland				
Nyberg	Finland				
Meri	Finland				
Pentti	Finland				
Warren-Fash	UK				
Hayward	UK				
Kivimaki	Finland				
Nguyen	USA	2016	Disease	USA	Seasonal influenza infections and cardiovascular disease mortality.
Yang	USA				
Ito	USA				
Matte	USA				
Shaman	USA				
Kinney	USA				
Sidney	USA	2022	Disease	USA	Age-Adjusted Mortality Rates and Age and Risk-Associated Contributions to Change in Heart Disease and Stroke Mortality, 2011-2019 and 2019-2020.
Lee	USA				
Liu	USA				
Khan	USA				
Lloyd-Jones	USA				
Rana	USA	2022	Disease	USA	Long-term cardiovascular outcomes of COVID-19
Xie	USA				
Xu	USA				
Bowe	USA				
Al-Aly	USA				
McVaney	USA	2021	Disease	USA	The relationship of large city out-of-hospital cardiac arrests and the prevalence of COVID-19.
Pepe	USA				
Maloney	USA				
Bronsky	USA				
Crowe	USA				
Augustine	USA				
Gilliam	USA				
Asaeda	USA				
Eckstein	USA				
Mattu	USA				
Fumagalli	Italy				
Auferdheide	USA				
Osterholm	USA				
Wijeysundera	Canada	2022	Disease	Canada	Relationship of frailty with excess mortality during the COVID-19 pandemic: a population-level study in Ontario, Canada.
Abdel-Qadir	Canada				
Qiu	Canada				
Manoragavan	Canada				
Austin	Canada				
Kapral	Canada				
Kwong	Canada				
Sun	Canada				
Ross	Canada				
Udell	Canada				
Roifman	Canada				
Yu	Canada				
McAlister	Canada				
Lee	Canada				

AuthorName_Last	Job Location	Year	Topic	StudyArea	Title
Peters	USA	2014	Storms	USA	Natural disasters and myocardial infarction: the six years after Hurricane Katrina.
Moscona	USA				
Katz	USA				
Deandrade	USA				
Quevedo	USA				
Tiwari	USA				
Burchett	USA				
Turnage	USA				
Singh	USA				
Fomunung	USA				
Srivastav	USA				
Delafontaine	USA				
Irimpen	USA				
Joseph	USA	2014	Storms	USA	Conceptualizing health consequences of Hurricane Katrina from the perspective of socioeconomic status decline.
Matthews	USA				
Myers	USA				
Lawrence	USA	2019	Storms	USA	After the Storm: Short-term and Long-term Health Effects Following Superstorm Sandy among the Elderly.
Lin	USA				
Lipton	USA				
Birkhead	USA				
Primeau	USA				
Dong	China				
Lin	USA				
Moscona	USA	2019	Storms	USA	The incidence, risk factors, and chronobiology of acute myocardial infarction ten years after hurricane katrina.
Peters	USA				
Maini	USA				
Katigbak	USA				
Deere	USA				
Gonzales	USA				
Westley	USA				
Baydoun	USA				
Yadav	USA				
Ters	USA				
Jabbar	USA				
Boulad	USA				
Mahata	USA				
Gadiraju	USA				
Nelson	USA				
Srivastav	USA				
Irimpen	USA				
Becquart	USA	2018	Storms	USA	Cardiovascular Disease Hospitalizations in Louisiana Parishes' Elderly before, during and after Hurricane Katrina.
Naumova	USA				
Singh	USA				
Chui	USA				
Mobula	USA	2016	Storms	USA	Prevalence of Hypertension among Patients Attending Mobile Medical Clinics in the Philippines after Typhoon Haiyan.
Fisher	Canada				
Lau	Canada				
Estelle	USA				
Wood	USA				
Plyler	USA				
Shih	Taiwan	2020	Storms	Taiwan	Increased Medical Visits and Mortality among Adults with Cardiovascular Diseases in Severely Affected Areas after Typhoon Morakot.
Chao	Taiwan				
Huang	Taiwan				
Tu	Taiwan				
Sung	Taiwan				
Wang	Taiwan				
Chang	Taiwan				
McCann	USA	2023	Storms	USA	Differences in county-level cardiovascular disease mortality rates due to damage caused by hurricane Matthew and the moderating effect of social capital: a natural experiment.
Szaflarski	USA				

AuthorName_Last	Job Location	Year	Topic	StudyArea	Title
Hahn	USA	2021	Wildfires	USA	Wildfire smoke is associated with an increased risk of cardiorespiratory emergency department visits in alaska.
Kuiper	USA				
O'Dell	USA				
Fischer	USA				
Magzamen	USA				
Cascio	USA	2018	Wildfires	USA	Wildland fire smoke and human health.
Masri	USA	2021	Wildfires	USA	Disproportionate Impacts of Wildfires among Elderly and Low-Income Communities in California from 2000-2020.
Scaduto	USA				
Jin	USA				
Wu	USA				
Jones	USA	2020	Wildfires	USA	Out-of-Hospital Cardiac Arrests and Wildfire-Related Particulate Matter During 2015-2017 California Wildfires.
Rappold	USA				
Vargo	USA				
Cascio	USA				
Kharrazi	USA				
McNally	USA				
Hoshiko	USA				
Wen	Australia	2022	Wildfires	Australia	Excess emergency department visits for cardiovascular and respiratory diseases during the 2019-20 bushfire period in Australia: A two-stage interrupted time-series analysis.
Wu	Australia				
Xu	Australia				
Guo	Australia				
Li	Australia				
Heaney	USA	2022	Wildfires	USA	Impacts of fine particulate matter from wildfire smoke on respiratory and cardiovascular health in california.
Stowell	USA				
Liu	USA				
Basu	USA				
Marlier	USA				
Kinney	USA				
Heft-Neal	USA	2023	Wildfires	USA	Emergency department visits respond nonlinearly to wildfire smoke.
Gould	USA				
Childs	USA				
Kiang	USA				
Nadeau	USA				
Duggan	USA				
Bendavid	USA				
Burke	USA				
Navarro	USA	2019	Wildfires	USA	Wildland firefighter smoke exposure and risk of lung cancer and cardiovascular disease mortality.
Kleinman	USA				
Mackay	USA				
Reinhardt	USA				
Balmes	USA				
Broyles	USA				
Ottmar	USA				
Naher	USA				
Domitrovich	USA				
Ye	Australia	2021	Wildfires	Brazil	Risk and burden of hospital admissions associated with wildfire-related PM2·5 in Brazil, 2000-15: a nationwide time-series study.
Guo	Australia				
Chen	China				
Yue	China				
Xu	Australia				
Coelho	Brazil				
Saldiva	Brazil				
Zhao	China				
Li	China				
Stowell	USA	2019	Wildfires	USA	Associations of wildfire smoke PM2.5 exposure with cardiorespiratory events in Colorado 2011-2014.
Geng	USA				
Saikawa	USA				
Chang	USA				
Fu	USA				

AuthorName_Last	Job Location	Year	Topic	StudyArea	Title
Yang	USA				
Zhu	USA				
Liu	USA				
Strickland	USA	2017	Wildfires	USA	Comparison of wildfire smoke estimation methods and associations with cardiopulmonary-related hospital admissions.
Gan	USA				
Ford	USA				
Lassman	USA				
Pfister	USA				
Vaidyanathan	USA				
Fischer	USA				
Volckens	USA				
Pierce	USA				
Magzamen	USA				
Requia	Brazil	2021	Wildfires	Brazil	Health impacts of wildfire-related air pollution in Brazil: a nationwide study of more than 2 million hospital admissions between 2008 and 2018.
Amini	Denmark				
Mukherjee	USA				
Gold	USA				
Schwartz	USA				
Liu	USA	2017	Wildfires	USA	Wildfire-specific Fine Particulate Matter and Risk of Hospital Admissions in Urban and Rural Counties.
Wilson	USA				
Mickley	USA				
Dominici	USA				
Ebisu	USA				
Wang	USA				
Sulprizio	USA				
Peng	USA				
Yue	USA				
Son	USA				
Anderson	USA				
Bell	USA				
Tinling	USA	2016	Wildfires	USA	Repeating cardiopulmonary health effects in rural North Carolina population during a second large peat wildfire.
West	USA				
Cascio	USA				
Kilaru	USA				
Rappold	USA				
Haikerwal	Australia	2015	Wildfires	Australia	Impact of fine particulate matter (PM2.5) exposure during wildfires on cardiovascular health outcomes.
Akram	Australia				
Del Monaco	Australia				
Smith	Australia				
Sim	Australia				
Meyer	Australia				
Tonkin	Australia				
Abramson	Australia				
Dennekamp	Australia				
Mahsin	Canada	2022	Wildfires	Canada	Respiratory and cardiovascular condition-related physician visits associated with wildfire smoke exposure in Calgary, Canada, in 2015: a population-based study.
Cabaj	Canada				
Saini	Canada				
Wettstein	USA	2018	Wildfires	USA	Cardiovascular and cerebrovascular emergency department visits associated with wildfire smoke exposure in california in 2015.
Hoshiko	USA				
Fahimi	USA				
Harrison	USA				
Cascio	USA				
Rappold	USA				
Shaposhnikov	Russia	2014	Wildfires	Russia	Mortality related to air pollution with the moscow heat wave and wildfire of 2010.
Revich	Russia				
Bellander	Sweden				
Bedada	Russia				
Bottai	Russia				
Kharkova	Russia				
Kvasha	Russia				

AuthorName_Last	Job Location	Year	Topic	StudyArea	Title
Lezina	Russia				
Lind	Sweden				
Semutnikova	Russia				
Pershagen	Sweden				
Doubleday	USA	2020	Wildfires	USA	Mortality associated with wildfire smoke exposure in Washington state, 2006-2017: a case-crossover study.
Schulte	USA				
Sheppard	USA				
Kadlec	USA				
Dhammapala	USA				
Fox	USA				
Busch	USA				

Supplementary Notes

```
##Load in the necessary packages
library(rworldmap)

##Single Plots
##Maps on Wildfires and Droughts
country <- c("United States of America", "Spain", "Russian Federation", "Portugal",
          "Canada","Brazil", "Bangladesh","Australia")
data <- c(18,3,1,1,1,3,1,1)
df <- data.frame(country = country, data = data)
sPDF <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
           catMethod = 'fixedWidth',
           mapTitle = 'Number of Articles Published on Wildfires and Droughts',
          addLegend = TRUE)

##Maps on Authorship of Wildfires and Droughts
country <- c("United States of America","Switzerland","Sweden",
           "Spain", "Russian Federation", "Portugal","Japan","Denmark",
       "China","Canada","Brazil","Australia")
data <- c(115,1,3,18,8,2,7,1,4,3,6,12)
df <- data.frame(country = country, data = data)

sPDF1 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF1,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
```

```
          catMethod = 'fixedWidth',
          mapTitle = 'Authorship of Articles Published on Wildfires and Droughts',
         addLegend = TRUE)



##Maps on Authorship of Wildfires and Droughts w/o USA
country <- c("Switzerland","Sweden",
          "Spain", "Russian Federation", "Portugal","Japan","Denmark",
       "China","Canada","Brazil","Australia")
data <- c(1,3,18,8,2,7,1,4,3,6,12)
df <- data.frame(country = country, data = data)

sPDF1 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF1,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
          catMethod = 'fixedWidth',
          mapTitle = 'Authorship of Articles Published on Wildfires and Droughts w/o US',
         addLegend = TRUE)



##Map of Articles on Temperature
country <- c("Viet Nam","United States of America","United Kingdom of Great Britain and
Northern Ireland",
       "Thailand","Switzerland","Sweden","Spain","Slovenia","Serbia","Russian Federation",
```

```
"Republic of Korea","Qatar","Portugal","Philippines","Norway","New
Zealand","Netherlands",
"Nepal","Mexico","Malaysia","Lithuania","Kuwait","Kazakhstan","Japan",
"Italy","Israel","Republic of Ireland","Iran","India","Hungary",
"Greece","Germany","France","Finland","Denmark","Czechia","Cyprus",
"China","Canada","Brazil","Bangladesh","Argentina","Australia")
data <-
c(2,8,6,2,1,5,7,3,1,1,2,2,2,1,2,1,1,1,1,1,1,1,1,1,4,1,1,1,1,3,1,2,3,1,2,2,1,5,2,3,2,1,2)
df <- data.frame(country = country, data = data)

sPDF2 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF2,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
catMethod = 'fixedWidth',
mapTitle = 'Number of Articles Published on Temperature',
addLegend = TRUE)

##Map of Authors on Temperature
country <- c("United States of America","United Kingdom of Great Britain and Northern
Ireland",
"Switzerland","Sweden","Spain", "Republic of Korea","Norway","New Zealand",
"Nepal","Italy","Hungary","Greece","Germany","France","Finland","Czechia",
"China","Canada","Brazil","Australia")
data <- c(34,20,1,11,26,7,1,2,5,8,1,2,5,9,1,6,18,3,4,11) df <-
data.frame(country = country, data = data)
```

```
sPDF2 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF2,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
          catMethod = 'fixedWidth',
          mapTitle = 'Number of Authors on Articles Published on Temperature',
         addLegend = TRUE)



##Map of Articles on Floods, Storms, and Landslides
country <- c("United States of America","Japan","Czechia","Canada")
data <- c(8,1,1,2)
df <- data.frame(country = country, data = data)

sPDF2 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF2,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
          catMethod = 'fixedWidth',
          mapTitle = 'Number of Articles Published on Floods/Storms/Landslides',
         addLegend = TRUE)



##Map of Authors on Floods, Storms, and Landslides
country <- c("United States of America","Japan","Czechia","China","Canada") data
<- c(8,1,1,1,2)
df <- data.frame(country = country, data = data)
```

```
sPDF2 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF2,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
          catMethod = 'fixedWidth',
          mapTitle = 'Number of Authors on Articles Published on Floods/Storms/Landslides',
         addLegend = TRUE)




##Multiple Plots
par(mfrow=c(1,2))



##Maps on Wildfires and Droughts
country <- c("United States of America", "Spain", "Russian Federation", "Portugal",
          "Canada","Brazil", "Bangladesh","Australia")
data <- c(18,3,1,1,1,3,1,1)
df <- data.frame(country = country, data = data)
sPDF <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
          catMethod = 'fixedWidth',
          mapTitle = 'Fig 1: Articles on Wildfires/Droughts',
         addLegend = TRUE)
```

```
##Maps on Authorship of Wildfires and Droughts

country <- c("United States of America","Switzerland","Sweden",
             "Spain", "Russian Federation", "Portugal","Japan","Denmark",
            "China","Canada","Brazil","Australia")
data <- c(115,1,3,18,8,2,7,1,4,3,6,12)
df <- data.frame(country = country, data = data)


sPDF1 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF1,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
               catMethod = 'fixedWidth',
               mapTitle = 'Authorship on Wildfires/Droughts',
              addLegend = TRUE)



##Map of Articles on Temperature

country <- c("Viet Nam","United States of America","United Kingdom of Great Britain and
Northern Ireland",
                       "Thailand","Switzerland","Sweden","Spain","Slovenia","Serbia","Russian Federation",
             "Republic of Korea","Qatar","Portugal","Philippines","Norway","New
Zealand","Netherlands",
             "Nepal","Mexico","Malaysia","Lithuania","Kuwait","Kazakhstan","Japan",
            "Italy","Israel","Republic of Ireland","Iran","India","Hungary",
             "Greece","Germany","France","Finland","Denmark","Czechia","Cyprus",
            "China","Canada","Brazil","Bangladesh","Argentina","Australia")
data <-
c(2,8,6,2,1,5,7,3,1,1,2,2,2,1,2,1,1,1,1,1,1,1,1,1,4,1,1,1,1,3,1,2,3,1,2,2,1,5,2,3,2,1,2)
df <- data.frame(country = country, data = data)
```

```
sPDF2 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF2,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
         catMethod = 'fixedWidth',
         mapTitle = 'Fig 2: Articles on Temperature',
        addLegend = TRUE)
```

```
##Map of Authors on Temperature
country <- c("United States of America","United Kingdom of Great Britain and Northern
Ireland",
        "Switzerland","Sweden","Spain", "Republic of Korea","Norway","New Zealand",
       "Nepal","Italy","Hungary","Greece","Germany","France","Finland","Czechia",
        "China","Canada","Brazil","Australia")
data <- c(34,20,1,11,26,7,1,2,5,8,1,2,5,9,1,6,18,3,4,11)
df <- data.frame(country = country, data = data)

sPDF2 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF2,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
         catMethod = 'fixedWidth',
         mapTitle = 'Authorship on Temperature',
        addLegend = TRUE)
```

```
##Map of Articles on Floods, Storms, and Landslides
country <- c("United States of America","Japan","Czechia","Canada")
data <- c(8,1,1,2)
df <- data.frame(country = country, data = data)

sPDF2 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF2,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
          catMethod = 'fixedWidth',
          mapTitle = 'Articles Floods/Storms/Landslides',
         addLegend = TRUE)


##Map of Authors on Floods, Storms, and Landslides
country <- c("United States of America","Japan","Czechia","China","Canada")
data <- c(59,10,5,1,18)
df <- data.frame(country = country, data = data)

sPDF2 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF2,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
          catMethod = 'fixedWidth',
          mapTitle = 'Authorship Floods/Storms/Landslides',
         addLegend = TRUE)

##Reset Plot Margins
par(mfrow=c(1,1))
```

```
##Map of Articles on All Events
country <- c("Viet Nam","United States of America","United Kingdom",
                    "Thailand","Switzerland","Sweden","Spain","Slovenia","Serbia","Russian Federation",
          "Republic of Korea","Qatar","Portugal","Philippines","Norway","New
Zealand","Netherlands",
          "Nepal","Mexico","Malaysia","Lithuania","Kuwait","Kazakhstan","Japan",
          "Italy","Israel","Republic of Ireland","Iran","India","Hungary",
          "Greece","Germany","France","Finland","Denmark","Czech Republic","Cyprus",
        "China","Canada","Brazil","Bangladesh","Argentina","Australia")
data <-
c(2,38,7,2,1,5,11,3,1,1,3,2,3,1,2,1,2,1,1,1,1,1,1,2,4,1,1,1,2,3,1,2,3,2,2,3,1,5,6,6,3,1,3)
df <- data.frame(country = country, data = data)

sPDF2 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF2,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
           catMethod =
          'fixedWidth',  mapTitle =
          "",  addLegend = TRUE)

##Map of Articles on All Events w/o USA
country <- c("Viet Nam","United Kingdom",
```

```
                "Thailand","Switzerland","Sweden","Spain","Slovenia","Serbia","Russian Federation",
          "Republic of Korea","Qatar","Portugal","Philippines","Norway","New
Zealand","Netherlands",
          "Nepal","Mexico","Malaysia","Lithuania","Kuwait","Kazakhstan","Japan",
          "Italy","Israel","Republic of Ireland","Iran","India","Hungary",
          "Greece","Germany","France","Finland","Denmark","Czech Republic","Cyprus",
        "China","Canada","Brazil","Bangladesh","Argentina","Australia")
data <-
c(2,7,2,1,5,11,3,1,1,3,2,3,1,2,1,2,1,1,1,1,1,1,2,4,1,1,1,2,3,1,2,3,2,2,3,1,5,6,6,3,1,3)
df <- data.frame(country = country, data = data)


sPDF2 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF2,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
           catMethod =
          'fixedWidth',  mapTitle =
          "",  addLegend = TRUE)


##Map of Scholarship on All Events
country <- c("United States of America", "United Kingdom",
          "Switzerland", "Sweden", "Spain", "Russian Federation",
          "Republic of Korea", "Portugal", "Norway", "New Zealand", "Netherlands",
        "Nepal", "Japan",
          "Italy","India","Hungary",
          "Greece", "Germany", "France", "Finland", "Denmark", "Czech Republic",
```

```
          "China", "Canada", "Brazil", "Australia")
data <- c(236, 23,
        2, 14, 49, 8,
        7, 2, 1, 2, 5,
        5, 17,
        9, 2, 1,
        2, 5, 9, 12, 1, 11,
       23, 38, 10, 23)
df <- data.frame(country = country, data = data)

sPDF2 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF2,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
           catMethod =
          'fixedWidth',  mapTitle =
          "",  addLegend = TRUE)



##Map of Scholarship on All Events w/o USA
country <- c("United Kingdom",
          "Switzerland", "Sweden", "Spain", "Russian Federation",
          "Republic of Korea", "Portugal", "Norway", "New Zealand", "Netherlands",
        "Nepal", "Japan",
          "Italy","India","Hungary",
          "Greece", "Germany", "France", "Finland", "Denmark", "Czech Republic",
        "China", "Canada", "Brazil", "Australia")
```

```
data <- c(23,
          2, 14, 49, 8,
          7, 2, 1, 2, 5,
          5, 17,
          9, 2, 1,
          2, 5, 9, 12, 1, 11,
         23, 38, 10, 23)
df <- data.frame(country = country, data = data)


sPDF2 <- joinCountryData2Map(df, joinCode = 'NAME', nameJoinColumn = 'country')
mapCountryData(sPDF2,nameColumnToPlot = 'data', missingCountryCol = 'dark grey',
               catMethod =
              'fixedWidth',  mapTitle =
              "",  addLegend = TRUE)
```