

Supplementary

Table S1 Search strings of databases

Databases	N	Search string	Results
PubMed			
Search string for COVID	#1	((coronavirus (corona AND virus AND novel) OR HCoV OR nCoV OR covid OR (corona AND infection) OR (Severe AND Acute AND Respiratory AND Syndrome AND Coronavirus) OR ((SARS OR MERS) AND COV) OR ((SARS OR MERS) AND coronavirus) OR (Middle AND East AND Respiratory AND Syndrome) OR sars))	173,187
Search string for models	#2	((theoretical [Title/Abstract] OR mathematical [Title/Abstract] OR stochastic [Title/Abstract] OR deterministic*[Title/Abstract] OR dynamic) [Title/Abstract] AND (model*[Title/Abstract] OR simulat*)) [Title/Abstract] OR (intelligen*[Title/Abstract] AND artificial) [Title/Abstract] OR (learning [Title/Abstract] AND machine)) [Title/Abstract]	567,971
#1 AND # 2	#3	((coronavirus[Title/Abstract] OR (corona[Title/Abstract] AND virus[Title/Abstract] AND novel)[Title/Abstract] OR HCoV[Title/Abstract] OR nCoV[Title/Abstract] OR covid[Title/Abstract] OR (corona[Title/Abstract] AND infection)[Title/Abstract] OR (Severe[Title/Abstract] AND Acute[Title/Abstract] AND Respiratory[Title/Abstract] AND Syndrome[Title/Abstract] AND Coronavirus)[Title/Abstract] OR ((SARS[Title/Abstract] OR MERS)[Title/Abstract] AND COV)[Title/Abstract] OR ((SARS[Title/Abstract] OR MERS)[Title/Abstract] AND coronavirus)[Title/Abstract] OR (Middle[Title/Abstract] AND East[Title/Abstract] AND Respiratory[Title/Abstract] AND Syndrome)[Title/Abstract] OR sars))[Title/Abstract] AND (((theoretical[Title/Abstract] OR mathematical[Title/Abstract] OR stochastic[Title/Abstract] OR deterministic*[Title/Abstract] OR dynamic)[Title/Abstract] AND (model*[Title/Abstract] OR simulat*)) [Title/Abstract] OR (intelligen*[Title/Abstract] AND artificial)[Title/Abstract] OR (learning[Title/Abstract] AND machine))[Title/Abstract]	6,380
arXiv			
Search string for COVID	#1	AND all=coronavirus; OR all=SARS-CoV-2; OR all=covid-19; OR all=pandemic	4,773
Search string for models	#2	AND all=artificial intelligence; OR all=AI; OR all=machine learning; OR all=ML; OR all=deep learning; OR all=DL	149,683
#1 AND # 2	#3	AND all=coronavirus; OR all=SARS-CoV-2; OR all=covid-19; OR all=pandemic; AND all=artificial intelligence; OR all=AI; OR all=machine learning; OR all=ML; OR all=deep learning; OR all=DL	134,916
Google Scholar			
Search string for COVID	#1	allintitle: "covid 19" OR "sars cov 2" OR "Coronavirus" OR "pandemic"	305,000
Search string for models	#2	allintitle: ("artificial intelligence" OR "AI") OR ("machine learning" OR "ML") OR ("deep learning" OR "DL")	235,000
#1 AND # 2	#3	allintitle: (("artificial intelligence" OR "AI") OR ("machine learning" OR "ML") OR ("deep learning" OR "DL")) AND ("covid 19" OR "sars cov 2" OR "Coronavirus" OR "pandemic")	1,730
medRxiv			
Search string for COVID	#1	for term "covid 19 OR sars cov 2 OR Coronavirus OR pandemic"	22,287
Search string for models	#2	for term "artificial intelligence OR AI OR machine learning OR ML OR deep learning OR DL"	15,495
#1 AND # 2	#3	for term "(artificial intelligence OR AI OR machine learning OR ML OR deep learning OR DL) AND (covid 19 OR sars cov 2)"	1,709