*DO FILE FOR THE CREATION OF TARGETING DATA, MERGING IT WITH TOPICS DATA AND CORRELATION TESTS

*Timo Kivimäki & Talip Alkhayer

*Making selections on the data:

*import GTD data

drop if gname != "Islamic State of Iraq and the Levant (ISIL)"

drop iday approxdate extended resolution specificity vicinity location summary crit1 crit2 crit3 doubtterr alternative alternative_txt multiple success suicide attacktype1 attacktype2 attacktype1_txt attacktype2_txt attacktype3 attacktype3_txt motive guncertain1 guncertain2 guncertain3 nperps individual nperpcap claimed claimmode claimmode_txt claim2 claimmode2 claimmode2_txt claim3 claimmode3 claimmode3_txt compclaim weaptype1 weaptype1_txt weaptype2 weaptype2_txt weaptype3 weaptype3_txt weaptype4 weaptype4_txt weapsubtype1 weapsubtype1_txt weapsubtype2 weapsubtype2_txt weapsubtype3 weapsubtype3_txt weapsubtype4 weapsubtype4_txt weapdetail property propextent propextent_txt propvalue propcomment ishostkid nhostkid nhostkidus nhours ndays divert kidhijcountry ransom ransomamt ransomamtus ransompaid ransompaidus ransomnote hostkidoutcome hostkidoutcome_txt nreleased addnotes scite1 scite2 scite3 dbsource INT_LOG INT_IDEO INT_MISC INT_ANY related

gen help = 0

replace help = 1 if country_txt == "Syria"

replace help = 1 if country_txt == "Iraq"

drop if help == 0

drop help

drop if iyear < 2015

drop if iyear == 2015 & imonth < 10

*Creating months to GTD:

gen month = 0

replace month=201510 if iyear ==2015 & imonth ==10

```
replace month=201511 if iyear == 2015 & imonth ==11
replace month=201512 if iyear == 2015 & imonth ==12
replace month=201601 if iyear == 2016 & imonth ==1
replace month=201602 if iyear == 2016 & imonth ==2
replace month=201603 if iyear == 2016 & imonth ==3
replace month=201604 if iyear == 2016 & imonth ==4
replace month=201605 if iyear == 2016 & imonth ==5
replace month=201606 if iyear == 2016 & imonth ==6
replace month=201607 if iyear == 2016 & imonth ==7
replace month=201608 if iyear == 2016 & imonth ==8
replace month=201609 if iyear == 2016 & imonth ==9
replace month=201610 if iyear == 2016 & imonth ==10
replace month=201611 if iyear == 2016 & imonth ==11
replace month=201612 if iyear == 2016 & imonth ==12
replace month=201701 if iyear == 2017 & imonth ==1
replace month=201702 if iyear == 2017 & imonth ==2
replace month=201703 if iyear == 2017 & imonth ==3
replace month=201704 if iyear == 2017 & imonth ==4
replace month=201705 if iyear == 2017 & imonth ==5
replace month=201706 if iyear == 2017 & imonth ==6
replace month=201707 if iyear == 2017 & imonth ==7
replace month=201708 if iyear == 2017 & imonth ==8
replace month=201709 if iyear == 2017 & imonth ==9
replace month=201710 if iyear == 2017 & imonth ==10
replace month=201711 if iyear == 2017 & imonth ==11
replace month=201712 if iyear == 2017 & imonth ==12
replace month=201801 if iyear == 2018 & imonth ==1
replace month=201802 if iyear == 2018 & imonth ==2
replace month=201803 if iyear == 2018 & imonth ==3
replace month=201804 if iyear == 2018 & imonth ==4
```

```
replace month=201805 if iyear == 2018 & imonth ==5

replace month=201806 if iyear == 2018 & imonth ==6

replace month=201807 if iyear == 2018 & imonth ==7

replace month=201808 if iyear == 2018 & imonth ==8

replace month=201809 if iyear == 2018 & imonth ==9

replace month=201810 if iyear == 2018 & imonth ==10

replace month=201811 if iyear == 2018 & imonth ==11

replace month=201812 if iyear == 2018 & imonth ==12

replace month=201901 if iyear == 2019 & imonth ==1

replace month=201902 if iyear == 2019 & imonth ==2

replace month=201903 if iyear == 2019 & imonth ==3

replace month=201904 if iyear == 2019 & imonth ==4

replace month=201905 if iyear == 2019 & imonth ==5

replace month=201906 if iyear == 2019 & imonth ==6

replace month=201907 if iyear == 2019 & imonth ==7

replace month=201908 if iyear == 2019 & imonth ==8

replace month=201909 if iyear == 2019 & imonth ==9

replace month=201910 if iyear == 2019 & imonth ==10

replace month=201911 if iyear == 2019 & imonth ==11

replace month=201912 if iyear == 2019 & imonth ==12
```

*Creating target groups:

```
gen nearenemy = 0

replace nearenemy = 1 if natlty1_txt == "Iraq"

replace nearenemy = 1 if natlty1_txt == "Syria"

replace nearenemy = 1 if natlty1_txt == "Iran"

replace nearenemy = 1 if natlty1_txt == "Jordan"

replace nearenemy = 1 if natlty1_txt == "Pakistan"

replace nearenemy = 1 if natlty1_txt == "Turkey"
```

```
replace nearenemy = 1 if natlty1_txt == "Turkey"

replace nearenemy = 1 if natlty1_txt == "West Bank and Gaza Strip"


gen farEnemy = 0

replace farEnemy = 1 if natlty1_txt == "Armenia"

replace farEnemy = 1 if natlty1_txt == "Denmark"

replace farEnemy = 1 if natlty1_txt == "France"

replace farEnemy = 1 if natlty1_txt == "Georgia"

replace farEnemy = 1 if natlty1_txt == "Germany"

replace farEnemy = 1 if natlty1_txt == "Great Britain"

replace farEnemy = 1 if natlty1_txt == "Italy"

replace farEnemy = 1 if natlty1_txt == "Norway"

replace farEnemy = 1 if natlty1_txt == "Russia"

replace farEnemy = 1 if natlty1_txt == "Spain"

replace farEnemy = 1 if natlty1_txt == "Sweden"

replace farEnemy = 1 if natlty1_txt == "United States"



gen Peshmerga = 0

replace Peshmerga = 1 if targtype1_txt == "Military" & corp1 == "Peshmerga"

gen Rawafid = 0

replace Rawafid = 1 if targtype1_txt== "Government (General)" & corp1 !=" United Nations
Assistance Mission for Iraq (UNAMI)"

replace Rawafid = 1 if targtype1_txt== "Government (General)" & corp1 !=" United States
Department of State"



replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "12 Brigade"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Armed Forces of Iraq"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Criminal Security Services"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Ayn al-Arab Airbase"
```

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Counter-Terrorism Service (CTS)"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Dijla Operations Command"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Golden Division"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Hama Military Airport"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Hizballah Battalions"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Iranian revolutionary guards Corps (IRGC)"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Iraq Volunteer Forces"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Iraqi Armed Forces"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Iraqi Army"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Iraqi Security Forces (ISF)"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Iraqi Air Force"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Iraqi Special Operations Forces (ISOF)"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Iraqi Volunteer Foces"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Military Engineering Forces"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Military Intelligence Directorate"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Military Syrian Armed Forces (SAF)"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Iraqi Special Operations Forces (ISOF)"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Operation Euphrates Shield"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "National Defence Force"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Popular Moblization Forces"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Rapid Reaction Forces"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Rapid Response division"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Syrian Air and Air defence Forces"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Syrian Armed Forces"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Syrian Democratic Forces"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Tribal Mobilisation Forces"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Rapid Response division"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Rapid Response division"

replace Rawafid = 1 if targtype1_txt == "Military" & corp1 == "Rapid Response division"

gen nearenemy2 = 0

replace nearenemy2 = 1 if Rawafid == 1

replace nearenemy2 = 1 if Peshmerga == 1

*Creating monthly fatality data for each target group:

egen SumMonthFar =sum (nkill) if farEnemy == 1, by (month)

egen SumMonthNear =sum (nkill) if nearenemy == 1, by (month)

egen SumMonthPeshmerga = sum (nkill) if Peshmerga == 1, by (month)

egen SumMonthRawafid = sum (nkill) if Rawafid == 1, by (month)

egen sumMonth = sum (nkill), by (month)

egen SumMonthNear2 =sum (nkill) if nearenemy2 == 1, by (month)

egen sumFar = mean (SumMonthFar), by (month)

replace sumFar = 0 if sumFar == .

egen sumNear = mean (SumMonthNear), by (month)

replace sumNear = 0 if sumNear == .

egen sumPeshmerga = mean (SumMonthPeshmerga), by (month)

replace sumPeshmerga = 0 if sumPeshmerga == .

egen sumRawafid = mean (SumMonthRawafid), by (month)

replace sumRawafid = 0 if sumRawafid == .

egen sumNear2 = mean (SumMonthNear2), by (month)

replace sumNear2 = 0 if sumNear2 == .

*Making data monthly:

sort month

quietly by month: gen dub = cond(_N==1,0,_n)

drop if dub>1

drop dub

drop nkillter nwound SumMonthFar SumMonthNear SumMonthPeshmerga SumMonthRawafid Rawafid Peshmerga imonth country country_txt region region_txt city latitude longitude targtype1 targtype1_txt corp1 target1 natlty1_txt natlty1 targtype1 targtype1_txt targtype2 targtype2_txt provstate targsubtype1 targsubtype1_txt targsubtype2 targsubtype2_txt corp2 target2 natlty2 natlty2_txt targtype3 targtype3_txt targsubtype3 targsubtype3_txt corp3 target3 natlty3 natlty3_txt gname gsubname gname2 gsubname2 gname3 gsubname3 nkill nkillus nwoundus nwoundte nearenemy farEnemy

*Creating lagged dependent variables:

sort month

gen lagsumPeshmerga = sumPeshmerga[_n-1]

gen leadsumPeshmerga = sumPeshmerga[_n+1]

gen lagsumRawafid = sumRawafid[_n-1]

gen leadsumRawafid = sumRawafid[_n+1]

gen lagsumFar = sumFar[_n-1]

gen leadsumFar = sumFar[_n+1]

gen lagsumNear = sumNear[_n-1]

gen leadsumNear = sumNear[_n+1]

gen lagsumNear2 = sumNear2[_n-1]

gen leadsumNear2 = sumNear2[_n+1]

*Merging targeting data with monthly topics data:

merge m:1 month using "C:\Users\tak35\OneDrive - University of Bath\Research\ISIS Targeting Data/Data on topics final.dta"

* Normality test:

swilk sumPeshmerga sumRawafid sumFar sumNear sumNear2

*Correlation tests:

*Since dependent variables not normally distributed → Spearman correlation tests

spearman sumPeshmerga Topic1

spearman sumPeshmerga Topic2

spearman sumPeshmerga Topic3

*etc.