This briefly documents the primary databases used in Gleditsch and Ward , "War and Peace in Space and Time," *International Studies Quarterly*, 2000, Volume 44, Number 1, pages 1-29. Several versions of these data are available in the archive, formatted for different environments:
*.txt, an ascii, comma separated values
*.dta a file for Stata
*.sdd an Splus transport file
*.dmp an Splus data.dump (use data.restore to load in Splus)

Base Level Data

Dictionary

Splus Variable Name	Short Descriptor of Variable
RowNames	A Sequence Number
id	Concatenated string of CtryNM and Year
CtryNm	Country Acronym
Cow.CtryNm	COW Country Name
Cow.CtryNr	COW Country Number
CtryNr.x	hmmm, don't remember; used for accounting
is.polity.cow	DUHmmy variable: 1 = in polity
country.name	Official English Name of Country
polity.year.in	Beginning Year in Polity database, YYYY
polity.year.out	Ending Year in Polity database, YYYY
CtryNr.y	hmmm, don't remember; used for accounting
Year	Year of observation, YYYY
dma.4	Democracy minus autocracy, Polity 4
dmachange.4	change in dma.4 over prior ten years
dmasign.4	Direction of change in dma.4 over prior ten years
dmavar.4	Variance of change in dma.4 over prior ten years
trans.4	Polity in transition in Polity 4
dma.3	Democracy minus autocracy, Polity 3
dmachange.3	change in dma.3 over prior ten years
dmasign.3	Direction of change in dma.3 over prior ten years
dmavar.3	Variance of change in dma.3 over prior ten years
trans.3	Polity in Transition in Polity 3
war	International War
esw	Extrasystemic war
isw	Interstate war
mid	Militarized Interstate Dispute
dma.4.475	Spatial lag of dma.4 at distance of 475km
dmachange.4.475	Spatial lag of dmachange.4 at distance of 475km
dmasign.4.475	Spatial lag of dmasign.4 at distance of 475km
dmavar.4.475	Spatial lag of dmavar.4 at distance of 475km

Splus Variable Name	Short Descriptor of Variable
mid.475	Spatial lag of mid at distance of 475km
dma.4.950	Spatial lag of dma.4 at distance of 950km
dmachange.4.950	Spatial lag of dmachange.4 at distance of 950km
dmasign.4.950	Spatial lag of dmasign.4 at distance of 950km
dmavar.4.950	Spatial lag of dmavar.4 at distance of 950km
mid.950	Spatial lag of mid at distance of 950km
dma.4.50	Spatial lag of dma.4 at distance of 50km
dmachange.4.50	Spatial lag of dmachange.4 at distance of 50km
dmasign.4.50	Spatial lag of dmasign.4 at distance of 50km
dmavar.4.50	Spatial lag of dmavar.4 at distance of 50km
mid.50	Spatial lag of mid at distance of 50km
npy	Prior years of peace
nwy	Prior years of war
Gstari.dma50	Gstari for dma at 50 km
Gstari.dma475	Gstari for dma at 475 km
Gstari.dma950	Gstari for dma at 950 km
Gstari.var50	Gstari for var at 50 km
Gstari.var475	Gstari for var at 475 km
Gstari.var950	Gstari for var at 950 km
Gstari.mid50	Gstari for mid at 50 km
Gstari.mid475	Gstari for mid at 475 km
Gstari.mid950	Gstari for mid at 950 km
majorpower	DUHmmy variable: 1 = is major power
Gstari.war.950	Gstari for war at 950 km
Gstari.war.475	Gstari for war at 475 km
Gstari.war.50	Gstari for war at 50 km
Gi.war50	Gi for war at 50 km
Gi.war475	Gi for war at 475 km
Gi.war950	Gi for war at 950 km

Thus, there are 58 variables in this file with the following names:

1. Id, a year-country identifier
2. CtryNm, country acronym
3. Cow.CtryNm, Correlates of War Country Name
4. Cow.CtryNr, Correlates of War Country Number
5. CtryNr.x, duplicate country number
6. is.polity.cow, is the polity in cow? Yes=1
7. country.name, an alphabetic, plain vanilla, English verison of the country name
8. polity.year.in, year of inclusion in Polity databases
9. polity.year.out, year of exclusion in Polity databases
10. CtryNr.y, yet another country number
11. Year, the calendar year to which the data pertain
12. dma.4, Polity IV democracy minus autocracy score, i.e., democracy scale

13. dmachange.4, Polity IV change in dma.4 over prior decade
14. dmasign.4, Polity IV sign() in dma.4 over prior decade
15. dmavar.4, Polity IV variance in dma.4 over prior decade
16. trans.4, Polity IV dummy for transition in current year (-66, -77, -88)
17. dma.3, Polity III democracy minus autocracy score
18. dmachange.3, Polity III change in dma.3 over prior decade
19. dmasign.3, Polity III sign() in dma.3 over prior decade
20. dmavar.3, Polity III variance in dma.3 over prior decade
21. trans.3, Polity III dummy for transition in current year (-66, -77, -88)
22. war, COW War = 1 for interstate or extrasystemic war
23. esw, COW extrasystemic war, Yes=1
24. isw, COW interstate war, Yes =1
25. mid, Militarized Interstate Dispute at hostility level 5 or above
26. dma.4.475, spatial lag of dma.4 for 475 kilometers
27. dmachange.4.475, spatial lag of dmachange.4 for 475 kilometers
28. dmasign.4.475, spatial lag of dmasign.4 for 475 kilometers
29. dmavar.4.475, spatial lag of dmavar.4 for 475 kilometers
30. mid.475, spatial lag of mid.4 for 475 kilometers
31. dma.4.950, spatial lag of dma.4 for 950 kilometers
32. dmachange.4.950, spatial lag of dmachange.4 for 950 kilometers
33. dmasign.4.950, spatial lag of dmasign.4 for 950 kilometers
34. dmavar.4.950, spatial lag of dmavar.4 for 950 kilometers
35. mid.950, spatial lag of mid for 950 kilometers
36. dma.4.50, spatial lag of dma.4 for 50 kilometers
37. dmachange.4.50, spatial lag of dmachange.4 for 50 kilometers
38. dmasign.4.50, spatial lag of dmasign.4 for 50 kilometers
39. dmavar.4.50, spatial lag of dmavar.4 for 50 kilometers
40. mid.50, spatial lag of mid for 50 kilometers
41. npy, number of consecutive years of peace, i.e, without war
42. nwy, number of consecutive years of war, i.e., without peace
43. Gstari.dma50, spatial lag of dma.4 for 50 kilometers
44. Gstari.dma475, spatial lag of dma.4 for 475 kilometers
45. Gstari.dma950, spatial lag of dma.4 for 950 kilometers
46. Gstari.var50, spatial lag of dmavar.4 for 50 kilometers
47. Gstari.var475, spatial lag of dmavar.4 for 475 kilometers
48. Gstari.var950, spatial lag of dmavar.4 for 950 kilometers
49. Gstari.mid50, spatial lag of mid for 50 kilometers
50. Gstari.mid475, spatial lag of mid for 475 kilometers
51. Gstari.mid950, spatial lag of mid for 950 kilometers
52. Majorpower, 1, if country is deemed a major power in current year, else=0
53. Gstari.war.950, spatial lag of war for 950 kilometers
54. Gstari.war.475, spatial lag of war for 475 kilometers
55. Gstari.war.50, spatial lag of war for 50 kilometers
56. Gi.war50, spatial lag of warfor 50 kilometers
57. Gi.war475, spatial lag of war for 475 kilometers
58. Gi.war950, spatial lag of war for 950 kilometers

Please note that Gi.xxxddd variables are the Gi statistic calculated for situations in which the diagonal element is zero; Gstari.xxx.ddd are the Gstari statistics calculate with the diagonal set to 1.

Summary Information

Please see the article for more detail. Below find a summary of all variables for the base database, to be used to verify correct installation. This was generated by the Splus command, summary(). I know it is small, you can magnify it.

```
     id            CtryNm        Cow.CtryNm      Cow.CtryNr        CtryNr.x      is.polity.cow
ZIM1996:    1       USA:  181       USA:  181      Min.:  0.01      Min.:  0.01      Min.:0.0000
ZIM1995:    1        UK:  181        UK:  181   1st Qu.:155.00   1st Qu.:155.00   1st Qu.:1.0000
ZIM1994:    1       TUR:  181       TUR:  181    Median:345.00    Median:345.00    Median:1.0000
ZIM1993:    1       THI:  181       THI:  181      Mean:376.90      Mean:376.90      Mean:0.9904
ZIM1992:    1       SWZ:  181       SWZ:  181   3rd Qu.:616.00   3rd Qu.:616.00   3rd Qu.:1.0000
ZIM1991:    1       SWD:  181       SWD:  181      Max.:950.00      Max.:950.00      Max.:2.0000
(Other):13059   (Other):11979   (Other):11979
                  country.name   polity.year.in   polity.year.out       CtryNr.y          Year
United States of America:  181      Min.:1800        Min.:1860         Min.:  2.0      Min.:1816
          United Kingdom:  181   1st Qu.:1800     1st Qu.:1996      1st Qu.:155.0   1st Qu.:1884
   Turkey/Ottoman Empire:  181    Median:1838      Median:1996       Median:345.0    Median:1941
                Thailand:  181      Mean:1862        Mean:1990         Mean:380.3      Mean:1928
             Switzerland:  181   3rd Qu.:1922     3rd Qu.:1996      3rd Qu.:616.0   3rd Qu.:1974
                  Sweden:  181      Max.:1993        Max.:1996         Max.:950.0      Max.:1996
                (Other):11979      NA's: 119        NA's: 119
     dma.4           dmachange.4          dmasign.4            dmavar.4          trans.4
   Min.: -10.000      Min.:  -19.0000      Min.:   -1.00000      Min.:  0.000      Min.: 0.0000
1st Qu.:  -7.000   1st Qu.:    0.0000   1st Qu.:    0.00000   1st Qu.:  0.000   1st Qu.: 0.0000
 Median:  -3.000    Median:    0.0000    Median:    0.00000    Median:  0.000    Median: 0.0000
   Mean:  -1.109      Mean:    0.3451      Mean:    0.07095      Mean:  3.697      Mean: 0.4318
3rd Qu.:   6.000   3rd Qu.:    0.0000   3rd Qu.:    0.00000   3rd Qu.:  0.544   3rd Qu.: 0.0000
   Max.:  10.000      Max.:   19.0000      Max.:    1.00000      Max.:108.300      Max.:10.0000
   NA's: 543.000      NA's: 2325.0000      NA's: 2325.00000      NA's:549.000
     dma.3           dmachange.3          dmasign.3            dmavar.3          trans.3
   Min.: -10.000      Min.:  -19.0000      Min.:   -1.00000      Min.:  0.000      Min.:  0.0000
1st Qu.:  -7.000   1st Qu.:    0.0000   1st Qu.:    0.00000   1st Qu.:  0.000   1st Qu.:  0.0000
 Median:  -3.000    Median:    0.0000    Median:    0.00000    Median:  0.000    Median:  0.0000
   Mean:  -1.247      Mean:    0.2509      Mean:    0.06205      Mean:  3.505      Mean:  0.4215
3rd Qu.:   5.000   3rd Qu.:    0.0000   3rd Qu.:    0.00000   3rd Qu.:  0.447   3rd Qu.:  0.0000
   Max.:  10.000      Max.:   19.0000      Max.:    1.00000      Max.:108.300      Max.: 10.0000
   NA's: 863.000      NA's: 2590.0000      NA's: 2590.00000      NA's:893.000      NA's:352.0000
      war               esw               isw               mid            dma.4.475         dmachange.4.475
   Min.:0.00000      Min.:0.00000      Min.:0.00000      Min.:  0.000      Min.:  -10.0000      Min.:  -19.0000
1st Qu.:0.00000   1st Qu.:0.00000   1st Qu.:0.00000   1st Qu.:  0.000   1st Qu.:   -4.3640   1st Qu.:   -0.6000
 Median:0.00000    Median:0.00000    Median:0.00000    Median:  0.000    Median:   -1.4000    Median:    0.0000
   Mean:0.07853      Mean:0.03176      Mean:0.05052      Mean:  0.291      Mean:   -0.8734      Mean:    0.3544
3rd Qu.:0.00000   3rd Qu.:0.00000   3rd Qu.:0.00000   3rd Qu.:  1.000   3rd Qu.:    2.0000   3rd Qu.:    1.3000
   Max.:1.00000      Max.:1.00000      Max.:1.00000      Max.:  1.000      Max.:   10.0000      Max.:   17.0000
                                                       NA's:628.000      NA's: 3733.0000      NA's: 5112.0000
 dmasign.4.475          dmavar.4.475         mid.475             dma.4.950         dmachange.4.950
   Min.:   -1.00000      Min.:   0.000      Min.:   0.0000      Min.:  -10.0000      Min.:  -19.0000
1st Qu.:   -0.11100   1st Qu.:   0.178   1st Qu.:   0.1670   1st Qu.:   -3.7500   1st Qu.:   -0.6670
 Median:    0.00000    Median:   2.092    Median:   0.3640    Median:   -1.0000    Median:    0.1180
   Mean:    0.07551      Mean:   4.718      Mean:   0.4032      Mean:   -0.5964      Mean:    0.3548
3rd Qu.:    0.28600   3rd Qu.:   6.969   3rd Qu.:   0.6150   3rd Qu.:    2.1110   3rd Qu.:    1.3330
   Max.:    1.00000      Max.:  76.270      Max.:   1.0000      Max.:   10.0000      Max.:   15.5000
   NA's: 5112.00000      NA's:3662.000      NA's:3840.0000      NA's: 3622.0000      NA's: 4999.0000
 dmasign.4.950          dmavar.4.950          mid.950             dma.4.50          dmachange.4.50
   Min.:   -1.00000      Min.:   0.0000      Min.:   0.0000      Min.:  -10.0000      Min.:  -18.0000
1st Qu.:   -0.10000   1st Qu.:   0.5035   1st Qu.:   0.1670   1st Qu.:   -5.0000   1st Qu.:   -0.5000
 Median:    0.00000    Median:   3.0480    Median:   0.3330    Median:   -1.5000    Median:    0.0000
   Mean:    0.07457      Mean:   4.8640      Mean:   0.3877      Mean:   -0.8226      Mean:    0.4205
3rd Qu.:    0.27300   3rd Qu.:   7.2510   3rd Qu.:   0.5710   3rd Qu.:    3.0000   3rd Qu.:    1.3330
   Max.:    1.00000      Max.:  76.2700      Max.:   1.0000      Max.:   10.0000      Max.:   19.0000
   NA's: 4999.00000      NA's:3554.0000      NA's:3744.0000      NA's: 4326.0000      NA's: 5666.0000
  dmasign.4.50          dmavar.4.50           mid.50              npy              nwy
   Min.:   -1.00000      Min.:   0.000      Min.:   0.0000      Min.:  0.00      Min.: 0.000
1st Qu.:    0.00000   1st Qu.:   0.025   1st Qu.:   0.0000   1st Qu.:  6.00   1st Qu.: 0.000
 Median:    0.00000    Median:   1.200    Median:   0.3330    Median: 18.00    Median: 0.000
   Mean:    0.08877      Mean:   5.170      Mean:   0.4094      Mean: 30.05      Mean: 0.342
3rd Qu.:    0.33300   3rd Qu.:   7.143   3rd Qu.:   0.6670   3rd Qu.: 40.00   3rd Qu.: 0.000
   Max.:    1.00000      Max.:  73.140      Max.:   1.0000      Max.:180.00      Max.:26.000
   NA's: 5666.00000      NA's:4249.000      NA's:4418.0000
  Gstari.dma50        Gstari.dma475         Gstari.dma950          Gstari.var50         Gstari.var475
   Min.:   -3.8800      Min.:   -4.6400      Min.:-4.438e+000      Min.:   -1.61400      Min.:   -2.00600
1st Qu.:   -1.2380   1st Qu.:   -1.2650   1st Qu.:-1.283e+000   1st Qu.:   -0.62500   1st Qu.:   -0.68580
 Median:   -0.3095    Median:   -0.3465    Median:-2.580e-001    Median:   -0.35850    Median:   -0.34100
   Mean:   -0.1293      Mean:   -0.1241      Mean: 6.573e-003      Mean:    0.08438      Mean:    0.05213
3rd Qu.:    0.9260   3rd Qu.:    0.9450   3rd Qu.: 1.202e+000   3rd Qu.:    0.51000   3rd Qu.:    0.59000
```

```
    Max.:    4.3350      Max.:    4.6140      Max.: 5.200e+000      Max.:    7.33800      Max.:    7.01800
    NA's: 3251.0000      NA's: 3251.0000      NA's: 3.251e+003      NA's: 3203.00000      NA's: 3203.00000
  Gstari.var950         Gstari.mid50       Gstari.mid475         Gstari.mid950          majorpower
    Min.:   -2.2520      Min.:   -3.232      Min.:   -3.4950      Min.:   -3.4950      Min.:0.00000
 1st Qu.:   -0.6890   1st Qu.:   -0.798   1st Qu.:   -0.8180   1st Qu.:   -0.9240   1st Qu.:0.00000
  Median:   -0.2580    Median:    0.036    Median:    0.1680    Median:    0.1490    Median:0.00000
    Mean:    0.0866      Mean:    0.204      Mean:    0.2588      Mean:    0.2416      Mean:0.07685
 3rd Qu.:    0.7050   3rd Qu.:    1.135   3rd Qu.:    1.2230   3rd Qu.:    1.3220   3rd Qu.:0.00000
    Max.:    7.0180      Max.:    5.649      Max.:    5.6490      Max.:    4.9370      Max.:1.00000
    NA's: 3203.0000      NA's: 3406.000      NA's: 3406.0000      NA's: 3406.0000
  Gstari.war.950       Gstari.war.475       Gstari.war.50            Gi.war50             Gi.war475
    Min.:   -2.8670      Min.:   -2.2370      Min.:   -2.23700      Min.:   -2.10300      Min.:   -2.1030
 1st Qu.:   -0.7140   1st Qu.:   -0.6530   1st Qu.:   -0.54700   1st Qu.:   -0.48250   1st Qu.:   -0.5960
  Median:   -0.3480    Median:   -0.3720    Median:   -0.36100    Median:   -0.30000    Median:   -0.3370
    Mean:    0.1428      Mean:    0.1223      Mean:    0.06549      Mean:    0.09195      Mean:    0.1597
 3rd Qu.:    0.8470   3rd Qu.:    0.6080   3rd Qu.:    0.00000   3rd Qu.:    0.00000   3rd Qu.:    0.5370
    Max.:    8.1850      Max.:    8.1850      Max.:    8.44600      Max.:    8.74600      Max.:    8.1240
    NA's: 2778.0000      NA's: 2778.0000      NA's: 2778.00000      NA's: 2778.00000      NA's: 2778.0000
    Gi.war950
    Min.:   -2.7590
 1st Qu.:   -0.6700
  Median:   -0.3230
    Mean:    0.1735
 3rd Qu.:    0.8200
    Max.:    8.1240
    NA's: 2778.0000
```

Aggregate Spatial Information, aka Moran database

These data are generated by the moran() function in Splus,

These variables are explained in more detail in the text, and in the moran() function.

Dictionary

Splus Variable Name	Short Description
RowNames	Sequence number
depvar	Name of dependent variable
year	Year of data slice
cdist	Distance used in weights matrix
mI	Moran's I
EofI	Expected value of Moran's I
std.norm	St. Deviation under Normalization Null
z.norm	Standard Score under Normalization Null
p.norm	Probability of Z.norm
std.rand	St. Deviation under Randomization Null
z.rand	Standard Score under Randomization Null
p.rand	Probability of Z.rand

Summary Information

Please see the article for more detail. Below find a summary of all variables for the Moran data, to be used to verify correct installation. This was generated by the Splus command, summary().I know it is small, you can magnify it.

```
      depvar         year          cdist            mI              EofI             std.norm
   dma.4:366      Min.:1875      Min.: 50.0      Min.:-0.1880      Min.:-0.02800      Min.:0.03000
dmavar.4:366   1st Qu.:1905   1st Qu.: 50.0   1st Qu.: 0.0130   1st Qu.:-0.02200   1st Qu.:0.04700
     mid:354    Median:1935    Median:475.0    Median: 0.1180    Median:-0.01700    Median:0.06500
     war:366      Mean:1935      Mean:491.7      Mean: 0.1379      Mean:-0.01594      Mean:0.06857
              3rd Qu.:1965   3rd Qu.:950.0   3rd Qu.: 0.2340   3rd Qu.:-0.00900   3rd Qu.:0.08200
                 Max.:1996      Max.:950.0      Max.: 0.6630      Max.:-0.00600      Max.:0.13300
```

```
     z.norm           p.norm           std.rand           z.rand           p.rand      
 Min.   : -2.429   Min.   : 0.0000   Min.   : 0.01600   Min.   : -2.108   Min.   : 0.000  
 1st Qu.:  0.481   1st Qu.: 0.0000   1st Qu.: 0.05200   1st Qu.:  0.484   1st Qu.: 0.000  
 Median :  2.122   Median : 0.0340   Median : 0.06700   Median :  2.025   Median : 0.042  
 Mean   :  2.507   Mean   : 0.2402   Mean   : 0.07025   Mean   :  2.380   Mean   : 0.242  
 3rd Qu.:  3.930   3rd Qu.: 0.4640   3rd Qu.: 0.08700   3rd Qu.:  3.744   3rd Qu.: 0.476  
 Max.   : 12.750   Max.   : 0.9990   Max.   : 0.14200   Max.   : 12.060   Max.   : 0.999  
 NA's   : 15.000   NA's   :15.0000   NA's   :15.00000   NA's   : 15.000   NA's   :15.000  
```

Distance Data

The distance data are a different kettle of fish, since they represent a matrix of connectivity which is contingent upon the distance chosen as well as the countries which are in the sample for any given year. You don't need these to directly replicate the main results, since our calculations from them exist in the databases described above. However, if you want them, you will find them in the archive file, distances.zip.

However, since this article has been completed these data have been updated, with some minor corrections and extensions. A perl script is provided that will allow extraction of the data in a flexible way. We recommend using this rather than the earlier files. Strictly speaking, however, if you want to replicate our distance calculations, use the older database.

Original Distance Matrixes

These are found in matrixes.zip, which has a matrix for each year, wherein a NA means that the countries were greater than 950 km in distance from one another, a 0 means that they shared a physical border, and any other number is the minimum distance in kilometers between the two closest points in the ordered pair (row,column) of countries.

Updated Distance Data

The archive mindist1.zip contains the most up-to-date version of the distance data, along with a PERL script for extracting useful subsets of it. Consider this an advanced Beta version. You may need to install PERL on your computer to run it; PERL is free and widely available. Ask Jeeves!