**SPATIAL DATA PANEL PDRB PER CAPITA 33 PROVINCES**

distancePortProv[1:5,1:5]

Aceh Sumut Sumbar Riau Kepri

Aceh 0 147 399 488 650

Sumut 147 0 276 373 885

Sumbar 399 276 0 180 1132

Riau 488 373 180 0 1009

Kepri 650 885 1132 1009 0

summary(Wdist500PortProv.lw)

Characteristics of weights list object:

Neighbour list object:

Number of regions: 33

Number of nonzero links: 232

Percentage nonzero weights: 21.30395

Average number of links: 7.030303

Link number distribution:

1 2 3 4 5 6 7 8 9 10 11 12 13

1 1 4 1 5 4 3 2 3 3 3 2 1

1 least connected region:

Papua with 1 link

1 most connected region:

Jatim with 13 links

Weights style: W

Weights constants summary:

n nn S0 S1 S2

W 33 1089 33 14.0179 137.3453

str(Wdist500PortProv.lw)

List of 3

$ style : chr "W"

$ neighbours:List of 33

..$ : Named int [1:3] 2 3 4

.. ..- attr(\*, "names")= chr [1:3] "Sumut" "Sumbar" "Riau"

..$ : Named int [1:3] 1 3 4

.. ..- attr(\*, "names")= chr [1:3] "Aceh" "Sumbar" "Riau"

..$ : Named int [1:5] 1 2 4 6 8

.. ..- attr(\*, "names")= chr [1:5] "Aceh" "Sumut" "Riau" "Jambi" ...

..$ : Named int [1:7] 1 2 3 6 8 9 20

.. ..- attr(\*, "names")= chr [1:7] "Aceh" "Sumut" "Sumbar" "Jambi" ...

..$ : Named int [1:2] 7 11

.. ..- attr(\*, "names")= chr [1:2] "Bengkulu" "Banten"

..$ : Named int [1:6] 3 4 8 9 11 12

.. ..- attr(\*, "names")= chr [1:6] "Sumbar" "Riau" "Sumsel" "Kep.Babel" ...

..$ : Named int [1:5] 5 10 11 12 13

.. ..- attr(\*, "names")= chr [1:5] "Kepri" "Lampung" "Banten" "jakarta" ...

..$ : Named int [1:9] 3 4 6 9 10 11 12 13 20

.. ..- attr(\*, "names")= chr [1:9] "Sumbar" "Riau" "Jambi" "Kep.Babel" ...

..$ : Named int [1:11] 4 6 8 10 11 12 13 14 16 20 ...

.. ..- attr(\*, "names")= chr [1:11] "Riau" "Jambi" "Sumsel" "Lampung" ...

..$ : Named int [1:10] 7 8 9 11 12 13 14 15 16 20

.. ..- attr(\*, "names")= chr [1:10] "Bengkulu" "Sumsel" "Kep.Babel" "Banten" ...

..$ : Named int [1:12] 5 6 7 8 9 10 12 13 14 15 ...

.. ..- attr(\*, "names")= chr [1:12] "Kepri" "Jambi" "Bengkulu" "Sumsel" ...

..$ : Named int [1:12] 6 7 8 9 10 11 13 14 15 16 ...

.. ..- attr(\*, "names")= chr [1:12] "Jambi" "Bengkulu" "Sumsel" "Kep.Babel" ...

..$ : Named int [1:11] 7 8 9 10 11 12 14 16 19 20 ...

.. ..- attr(\*, "names")= chr [1:11] "Bengkulu" "Sumsel" "Kep.Babel" "Lampung" ...

..$ : Named int [1:10] 9 10 11 12 13 17 19 20 22 23

.. ..- attr(\*, "names")= chr [1:10] "Kep.Babel" "Lampung" "Banten" "jakarta" ...

..$ : Named int [1:6] 10 11 12 16 17 19

.. ..- attr(\*, "names")= chr [1:6] "Lampung" "Banten" "jakarta" "Jatim" ...

..$ : Named int [1:13] 9 10 11 12 13 15 17 19 21 22 ...

.. ..- attr(\*, "names")= chr [1:13] "Kep.Babel" "Lampung" "Banten" "jakarta" ...

..$ : Named int [1:9] 14 15 16 19 21 22 23 24 29

.. ..- attr(\*, "names")= chr [1:9] "Jateng" "Yogyakarta" "Jatim" "NTT" ...

..$ : Named int [1:3] 19 27 30

.. ..- attr(\*, "names")= chr [1:3] "NTT" "Sultra" "Maluku"

..$ : Named int [1:11] 13 14 15 16 17 18 21 22 23 24 ...

.. ..- attr(\*, "names")= chr [1:11] "Jabar" "Jateng" "Yogyakarta" "Jatim" ...

..$ : Named int [1:8] 4 8 9 10 11 12 13 14

.. ..- attr(\*, "names")= chr [1:8] "Riau" "Sumsel" "Kep.Babel" "Lampung" ...

..$ : Named int [1:7] 16 17 19 23 24 26 29

.. ..- attr(\*, "names")= chr [1:7] "Jatim" "Bali" "NTT" "Kalsel" ...

..$ : Named int [1:10] 9 12 13 14 16 17 19 23 24 29

.. ..- attr(\*, "names")= chr [1:10] "Kep.Babel" "jakarta" "Jabar" "Jateng" ...

..$ : Named int [1:9] 14 16 17 19 21 22 24 26 29

.. ..- attr(\*, "names")= chr [1:9] "Jateng" "Jatim" "Bali" "NTT" ...

..$ : Named int [1:8] 16 17 19 21 22 23 26 27

.. ..- attr(\*, "names")= chr [1:8] "Jatim" "Bali" "NTT" "Kaltim" ...

..$ : Named int [1:5] 26 27 28 30 31

.. ..- attr(\*, "names")= chr [1:5] "Sulteng" "Sultra" "Gorontalo" "Maluku" ...

..$ : Named int [1:5] 21 23 24 25 29

.. ..- attr(\*, "names")= chr [1:5] "Kaltim" "Kalsel" "Sulsel" "Sulut" ...

..$ : Named int [1:6] 18 24 25 28 30 31

.. ..- attr(\*, "names")= chr [1:6] "NTB" "Sulsel" "Sulut" "Gorontalo" ...

..$ : Named int [1:4] 25 27 30 31

.. ..- attr(\*, "names")= chr [1:4] "Sulut" "Sultra" "Maluku" "Malut"

..$ : Named int [1:7] 16 17 19 21 22 23 26

.. ..- attr(\*, "names")= chr [1:7] "Jatim" "Bali" "NTT" "Kaltim" ...

..$ : Named int [1:6] 18 25 27 28 31 32

.. ..- attr(\*, "names")= chr [1:6] "NTB" "Sulut" "Sultra" "Gorontalo" ...

..$ : Named int [1:5] 25 27 28 30 32

.. ..- attr(\*, "names")= chr [1:5] "Sulut" "Sultra" "Gorontalo" "Maluku" ...

..$ : Named int [1:3] 30 31 33

.. ..- attr(\*, "names")= chr [1:3] "Maluku" "Malut" "Papua"

..$ : Named int 32

.. ..- attr(\*, "names")= chr "Papuabrt"

..- attr(\*, "class")= chr "nb"

..- attr(\*, "region.id")= chr [1:33] "Aceh" "Sumut" "Sumbar" "Riau" ...

..- attr(\*, "call")= logi NA

..- attr(\*, "sym")= logi TRUE

$ weights :List of 33

..$ : num [1:3] 0.599 0.221 0.18

..$ : num [1:3] 0.519 0.276 0.205

..$ : num [1:5] 0.151 0.218 0.335 0.16 0.136

..$ : num [1:7] 0.0867 0.1134 0.2351 0.1808 0.1415 ...

..$ : num [1:2] 0.591 0.409

..$ : num [1:6] 0.149 0.24 0.217 0.163 0.114 ...

..$ : num [1:5] 0.205 0.208 0.246 0.198 0.142

..$ : num [1:9] 0.0861 0.1279 0.1476 0.1432 0.0933 ...

..$ : num [1:11] 0.0785 0.0782 0.1011 0.0937 0.1139 ...

..$ : num [1:10] 0.0591 0.048 0.0683 0.3859 0.1682 ...

..$ : num [1:12] 0.0317 0.0314 0.0548 0.043 0.0652 ...

..$ : num [1:12] 0.0367 0.051 0.0503 0.0805 0.1527 ...

..$ : num [1:11] 0.0484 0.0536 0.0848 0.0918 0.1144 ...

..$ : num [1:10] 0.0878 0.0875 0.1031 0.126 0.2564 ...

..$ : num [1:6] 0.155 0.16 0.134 0.284 0.141 ...

..$ : num [1:13] 0.0552 0.0542 0.0604 0.0698 0.0941 ...

..$ : num [1:9] 0.0589 0.0649 0.0864 0.4791 0.052 ...

..$ : num [1:3] 0.332 0.333 0.335

..$ : num [1:11] 0.0449 0.0555 0.0513 0.084 0.4231 ...

..$ : num [1:8] 0.133 0.1245 0.2189 0.0973 0.1087 ...

..$ : num [1:7] 0.0723 0.0713 0.0764 0.2675 0.1191 ...

..$ : num [1:10] 0.0825 0.0873 0.1043 0.0982 0.1399 ...

..$ : num [1:9] 0.0627 0.08 0.0785 0.0861 0.2271 ...

..$ : num [1:8] 0.095 0.1254 0.1397 0.1421 0.0924 ...

..$ : num [1:5] 0.118 0.159 0.313 0.133 0.277

..$ : num [1:5] 0.2613 0.1699 0.1541 0.0963 0.3184

..$ : num [1:6] 0.128 0.141 0.172 0.215 0.19 ...

..$ : num [1:4] 0.363 0.23 0.16 0.247

..$ : num [1:7] 0.0777 0.0857 0.09 0.2249 0.0819 ...

..$ : num [1:6] 0.129 0.145 0.191 0.15 0.2 ...

..$ : num [1:5] 0.285 0.145 0.218 0.189 0.162

..$ : num [1:3] 0.333 0.309 0.359

..$ : num 1

..- attr(\*, "mode")= chr "general"

..- attr(\*, "glist")= chr [1:76] "list(c(0.00680272108843537, 0.0025062656641604, 0.00204918032786885" "), c(0.00680272108843537, 0.0036231884057971, 0.00268096514745308" "), c(0.0025062656641604, 0.0036231884057971, 0.00555555555555556, " "0.0026525198938992, 0.00225225225225225), c(0.00204918032786885, " ...

..- attr(\*, "glistsym")= atomic [1:1] TRUE

.. ..- attr(\*, "d")= num 0

..- attr(\*, "W")= logi TRUE

..- attr(\*, "comp")=List of 1

.. ..$ d: num [1:33] 0.01136 0.01311 0.01659 0.02364 0.00501 ...

- attr(\*, "class")= chr [1:2] "listw" "nb"

- attr(\*, "region.id")= chr [1:33] "Aceh" "Sumut" "Sumbar" "Riau" ...

- attr(\*, "call")= language nb2listw(neighbours = res$neighbours, glist = res$weights, style = style, zero.policy = TRUE)

**Script R-studio for estimate spatial Durbin model**

Durremod= spml(PDRBPC~y04+T\_Kerja+Investasi+Ekspor+Impor+SLx1+SLx2 +SLx3+SLx4+SLx5, data = EconomG.pdfo,listw = Wdist500PortProv.lw, model = "random",effect = "individual",lag = TRUE,spatial.error = "none")

**Statement Letter**

March 10, 2019

Editorial JKAP (Jurnal Kebijakan dan Administrasi Publik)

Gedung MAP FISIPOL UGM, Kampus FISIPOL UGM Unit II  
Jl. Prof. Dr. Sardjito, Sekip, Yogyakarta, 55281,

Dear Editor of JKAP,

I am submitting a manuscript for consideration of publication in Jurnal Kebijakan dan Administrasi Publik (JKAP). The manuscript is entitled "Decentralization policy in improving the regional economy: A Spatial econometric approach” It has not been previously published elsewhere and that it has not been submitted simultaneously for publication elsewhere.

An econometric spatial approach in terms of income is the accumulation of transfer funds from the central government to the regions to explore the impact of the policy on increasing income per capita, to reduce the number of poor people and economical distribution of development. This paper shows the regional economic driving sector neglected in formulating fiscal policy.

Thank you very much for your consideration.

Yours Sincerely,

Dr. Ir. Nurjannah Yusuf, MSi

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