变量说明

|  |  |  |
| --- | --- | --- |
| 变量 | 符号表示 | 意义说明 |
|
| 被解释变量 |  |  |
| 增加值流出视角 |  |  |
| 双边跨境次数 | *bctof* | 中国农业部门创造的增加值在被另一国最终消费前通过不同产业链跨越两国边境的平均次数，单位：次 |
| 价值链关联 | *bvcctof* | （*bctof* -1）×10000000，单位：美元 |
| 增加值流入视角 |  |  |
| 双边跨境次数 | *bftoc* | 外国农业部门创造的增加值在被中国最终消费前通过不同产业链跨越两国边境的平均次数，单位：次 |
| 价值链关联 | *bvcftoc* | （*bftoc* -1）×10000000，单位：美元 |
| 处理组与处理时期虚拟变量 |  |  |
| 处理组 | *silkroad* | 是否为“一带一路”沿线国家：是=1；否=0 |
| 处理时期 | *post* | 是否处于2013年之后（包含2013年）：是=1；否=0 |
| 控制变量 |  |  |
| 首都距离 | *dist* | 中国首都北京与贸易伙伴国首都的距离，单位：千米 |
| 语言相似度 | *cl* | CEPII数据库发布的中国与对应贸易伙伴国的语言相似度指数，取值介于0~1之间 |
| 两国经济规模 | ln*gdp*×*gdp* | 对数变换后的中外GDP乘积，GDP单位：美元 |
| 伙伴国GDP增长率 | *gdpgrow* | 贸易伙伴国的GDP增长率，单位：百分比 |
| 两国人口规模 | ln*popu*×*popu* | 对数变换后的中外人口数量乘积，人口数量单位：百万人 |
| 两国农业用地面积规模 | ln*agria*×*agria* | 对数变换后的中外农业用地面积乘积，农业用地面积单位：平方千米 |
| 伙伴国腐败控制指数 | *cc* | 全球治理指标（WGI）数据库发布的对应贸易伙伴国的腐败控制指数，取值介于-2.5~2.5之间 |
| 伙伴国监管水平指数 | *re* | 全球治理指标（WGI）数据库发布的对应贸易伙伴国的监管水平指数，取值介于-2.5~2.5之间 |
| 伙伴国政府效能指数 | *ge* | 全球治理指标（WGI）数据库发布的对应贸易伙伴国的政府效能指数，取值介于-2.5~2.5之间 |
| 伙伴国法制水平指数 | *rl* | 全球治理指标（WGI）数据库发布的对应贸易伙伴国的法制水平指数，取值介于-2.5~2.5之间 |
| 自由贸易协定 | *fta* | 中国与贸易伙伴国是否签订自由贸易协定：是=1；否=0 |
| 民用航运协定 | *air* | 中国与贸易伙伴国是否签订民用航运协定：是=1；否=0 |
| 海运协定 | *ocean* | 中国与贸易伙伴国是否签订海运协定：是=1；否=0 |

1995年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000007 | 0.0000188 | 1 | 1.000125 |
| *bvcctof* | 66.93556 | 188.3359 | 0.0696498 | 1251.896 |
| *bftoc* | 1.000007 | 0.00002 | 1 | 1.000134 |
| *bvcftoc* | 65.03628 | 200.0165 | 0.0222191 | 1343.889 |
| *silkroad* | 0.7356322 | 0.4435525 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | .0830877 | .1181347 | 0 | .8803951 |
| ln*gdp*×*gdp* | 52.85022 | 2.105206 | 48.06276 | 57.97527 |
| *gdpgrow* | 3.435905 | 5.59596 | -12.41632 | 20.8 |
| ln*popu*×*popu* | 9.393117 | 1.721489 | 5.724241 | 13.96513 |
| ln*agria*×*agria* | 26.19798 | 2.520306 | 17.95451 | 30.81842 |
| *cc* | 0.1297482 | 1.100384 | -1.602183 | 2.231308 |
| *re* | 0.2165579 | 1.029086 | -2.152285 | 2.177226 |
| *ge* | 0.2244959 | 1.022727 | -2.175167 | 1.993047 |
| *rl* | 0.1669979 | 1.040378 | -1.788075 | 1.923315 |
| *fta* | 0.045977 | 0.2106494 | 0 | 1 |
| *air* | 0.6627907 | 0.4755298 | 0 | 1 |
| *ocean* | 0.3255814 | 0.47134 | 0 | 1 |

1996年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000007 | 1.83E-05 | 1 | 1.000103 |
| *bvcctof* | 67.89557 | 183.2645 | 0.058591 | 1030.313 |
| *bftoc* | 1.000006 | 1.95E-05 | 1 | 1.000141 |
| *bvcftoc* | 63.34404 | 195.3114 | 0.018179 | 1410.541 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 52.98869 | 2.094851 | 48.21157 | 58.10695 |
| *gdpgrow* | 4.840106 | 10.24742 | -16.7 | 88.95766 |
| ln*popu*×*popu* | 9.413523 | 1.722401 | 5.754375 | 13.99456 |
| ln*agria*×*agria* | 26.19698 | 2.521181 | 17.95458 | 30.82253 |
| *cc* | 0.149184 | 1.099218 | -1.51716 | 2.243658 |
| *re* | 0.211114 | 1.033893 | -2.19252 | 2.204017 |
| *ge* | 0.238998 | 1.040572 | -2.15555 | 2.070881 |
| *rl* | 0.176882 | 1.043188 | -1.76261 | 1.959616 |
| *fta* | 0.045977 | 0.210649 | 0 | 1 |
| *air* | 0.697674 | 0.461959 | 0 | 1 |
| *ocean* | 0.383721 | 0.489143 | 0 | 1 |

1997年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000008 | 1.99E-05 | 1 | 1.00012 |
| *bvcctof* | 75.47383 | 198.7836 | 0.062015 | 1204.426 |
| *bftoc* | 1.000007 | 2.08E-05 | 1 | 1.000159 |
| *bvcftoc* | 68.42665 | 208.3922 | 0.02136 | 1588.749 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 53.08278 | 2.103569 | 48.35221 | 58.23875 |
| *gdpgrow* | 4.532918 | 5.529345 | -11.4 | 34.38957 |
| ln*popu*×*popu* | 9.433745 | 1.722659 | 5.782426 | 14.02349 |
| ln*agria*×*agria* | 26.19611 | 2.527194 | 17.95547 | 30.8169 |
| *cc* | 0.188677 | 1.09457 | -1.43214 | 2.259066 |
| *re* | 0.20567 | 1.048497 | -2.23275 | 2.230809 |
| *ge* | 0.253501 | 1.06397 | -2.13594 | 2.148715 |
| *rl* | 0.192316 | 1.044012 | -1.73714 | 1.998196 |
| *fta* | 0.045977 | 0.210649 | 0 | 1 |
| *air* | 0.709302 | 0.456748 | 0 | 1 |
| *ocean* | 0.406977 | 0.494152 | 0 | 1 |

1998年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000009 | 2.22E-05 | 1 | 1.000139 |
| *bvcctof* | 86.9829 | 221.6619 | 0.059135 | 1385.946 |
| *bftoc* | 1.000007 | 2.19E-05 | 1 | 1.000167 |
| *bvcftoc* | 74.5894 | 218.8343 | 0.018961 | 1666.266 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 53.19258 | 2.091461 | 48.48513 | 58.35805 |
| *gdpgrow* | 3.657375 | 5.344276 | -13.1267 | 34.85709 |
| ln*popu*×*popu* | 9.45347 | 1.722377 | 5.809354 | 14.05148 |
| ln*agria*×*agria* | 26.19754 | 2.530605 | 17.95613 | 30.82099 |
| *cc* | 0.184021 | 1.099424 | -1.46636 | 2.351079 |
| *re* | 0.207225 | 1.056391 | -2.21739 | 2.186383 |
| *ge* | 0.255978 | 1.056963 | -2.1838 | 2.173892 |
| *rl* | 0.189834 | 1.032969 | -1.75779 | 1.991368 |
| *fta* | 0.045977 | 0.210649 | 0 | 1 |
| *air* | 0.732558 | 0.445221 | 0 | 1 |
| *ocean* | 0.406977 | 0.494152 | 0 | 1 |

1999年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000009 | 2.27E-05 | 1 | 1.00014 |
| *bvcctof* | 90.10969 | 227.4896 | 0.060757 | 1396.81 |
| *bftoc* | 1.000008 | 2.24E-05 | 1 | 1.000169 |
| *bvcftoc* | 77.01404 | 224.1894 | 0.019953 | 1687.923 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 53.2997 | 2.087408 | 48.63582 | 58.47836 |
| *gdpgrow* | 3.39942 | 4.697838 | -12.1466 | 17.58227 |
| ln*popu*×*popu* | 9.472272 | 1.721784 | 5.836729 | 14.07819 |
| ln*agria*×*agria* | 26.20046 | 2.526304 | 17.95508 | 30.79802 |
| *cc* | 0.179365 | 1.110877 | -1.50058 | 2.443092 |
| *re* | 0.20878 | 1.070346 | -2.20203 | 2.141958 |
| *ge* | 0.258455 | 1.055191 | -2.23165 | 2.199069 |
| *rl* | 0.187352 | 1.030683 | -1.77844 | 1.984539 |
| *fta* | 0.045977 | 0.210649 | 0 | 1 |
| *air* | 0.767442 | 0.424941 | 0 | 1 |
| *ocean* | 0.418605 | 0.496224 | 0 | 1 |

2000年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000011 | 0.00003 | 1 | 1.000204 |
| *bvcctof* | 114.6942 | 299.8767 | 0.06925 | 2039.576 |
| *bftoc* | 1.00001 | 3.01E-05 | 1 | 1.000241 |
| *bvcftoc* | 96.42419 | 301.2657 | 0.019159 | 2412.95 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 53.4248 | 2.072156 | 48.78435 | 58.60031 |
| *gdpgrow* | 5.326619 | 2.471981 | 1.146062 | 13.74593 |
| ln*popu*×*popu* | 9.490486 | 1.720922 | 5.865846 | 14.10375 |
| ln*agria*×*agria* | 26.13421 | 2.529828 | 17.95292 | 30.79975 |
| *cc* | 0.188801 | 1.10751 | -1.4544 | 2.436239 |
| *re* | 0.23579 | 1.055315 | -2.09613 | 2.041447 |
| *ge* | 0.278386 | 1.042913 | -1.96238 | 2.139806 |
| *rl* | 0.186808 | 1.035396 | -1.72463 | 1.961288 |
| *fta* | 0.045977 | 0.210649 | 0 | 1 |
| *air* | 0.77907 | 0.417307 | 0 | 1 |
| *ocean* | 0.418605 | 0.496224 | 0 | 1 |

2001年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000012 | 3.05E-05 | 1 | 1.00021 |
| *bvcctof* | 115.894 | 304.6986 | 0.075568 | 2104.858 |
| *bftoc* | 1.00001 | 0.000033 | 1 | 1.000271 |
| *bvcftoc* | 101.7613 | 330.3943 | 0.021509 | 2712.804 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 53.53796 | 2.060196 | 48.9433 | 58.69035 |
| *gdpgrow* | 3.43131 | 3.201426 | -5.96231 | 13.5 |
| ln*popu*×*popu* | 9.507575 | 1.720369 | 5.897534 | 14.1283 |
| ln*agria*×*agria* | 26.1296 | 2.522203 | 17.94891 | 30.79618 |
| *cc* | 0.198237 | 1.114556 | -1.40822 | 2.429387 |
| *re* | 0.262801 | 1.050854 | -2.05572 | 1.940935 |
| *ge* | 0.298318 | 1.037516 | -1.94748 | 2.161537 |
| *rl* | 0.186264 | 1.045429 | -1.71396 | 1.938037 |
| *fta* | 0.045977 | 0.210649 | 0 | 1 |
| *air* | 0.802326 | 0.400581 | 0 | 1 |
| *ocean* | 0.430233 | 0.498013 | 0 | 1 |

2002年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000013 | 3.37E-05 | 1 | 1.000237 |
| *bvcctof* | 126.7675 | 336.9408 | 0.079688 | 2368.608 |
| *bftoc* | 1.000011 | 3.73E-05 | 1 | 1.000309 |
| *bvcftoc* | 112.0529 | 372.5041 | 0.02135 | 3093.458 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 53.6357 | 2.049789 | 49.13258 | 58.79499 |
| *gdpgrow* | 3.955688 | 3.218481 | -6.90018 | 13.1863 |
| ln*popu*×*popu* | 9.524474 | 1.719459 | 5.931385 | 14.1519 |
| ln*agria*×*agria* | 26.12814 | 2.516944 | 17.94625 | 30.77424 |
| *cc* | 0.219314 | 1.079183 | -1.48189 | 2.437771 |
| *re* | 0.291592 | 1.000102 | -1.99869 | 1.858854 |
| *ge* | 0.314193 | 1.016115 | -1.70121 | 2.261099 |
| *rl* | 0.209428 | 1.036536 | -1.70072 | 1.999097 |
| *fta* | 0.045977 | 0.210649 | 0 | 1 |
| *air* | 0.813954 | 0.391427 | 0 | 1 |
| *ocean* | 0.430233 | 0.498013 | 0 | 1 |

2003年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000017 | 4.51E-05 | 1 | 1.000327 |
| *bvcctof* | 165.6009 | 451.181 | 0.096058 | 3269.108 |
| *bftoc* | 1.000016 | 5.61E-05 | 1 | 1.000477 |
| *bvcftoc* | 157.0174 | 561.4364 | 0.030442 | 4769.139 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 53.77467 | 2.0347 | 49.30206 | 58.91883 |
| *gdpgrow* | 4.554208 | 5.572544 | -33.1008 | 17.32 |
| ln*popu*×*popu* | 9.541327 | 1.718144 | 5.966087 | 14.17464 |
| ln*agria*×*agria* | 26.11898 | 2.527894 | 17.53615 | 30.75268 |
| *cc* | 0.16562 | 1.107439 | -1.6461 | 2.435115 |
| *re* | 0.268439 | 1.032818 | -2.34411 | 1.794739 |
| *ge* | 0.296042 | 1.034935 | -1.64384 | 2.309707 |
| *rl* | 0.192447 | 1.035565 | -1.82836 | 1.983259 |
| *fta* | 0.045977 | 0.210649 | 0 | 1 |
| *air* | 0.813954 | 0.391427 | 0 | 1 |
| *ocean* | 0.441861 | 0.499521 | 0 | 1 |

2004年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.00002 | 5.05E-05 | 1 | 1.000333 |
| *bvcctof* | 196.2294 | 505.2333 | 0.103209 | 3333.22 |
| *bftoc* | 1.000019 | 6.28E-05 | 1 | 1.000514 |
| *bvcftoc* | 188.3497 | 627.956 | 0.030841 | 5135.786 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 53.93358 | 2.026183 | 49.45567 | 59.05244 |
| *gdpgrow* | 6.608517 | 6.10982 | 0.443413 | 54.15777 |
| ln*popu*×*popu* | 9.55909 | 1.71569 | 5.999985 | 14.19674 |
| ln*agria*×*agria* | 26.11596 | 2.533468 | 17.53673 | 30.75465 |
| *cc* | 0.161694 | 1.069788 | -1.53721 | 2.325073 |
| *re* | 0.253339 | 1.005455 | -2.12072 | 1.747712 |
| *ge* | 0.26175 | 1.017505 | -1.62989 | 2.129372 |
| *rl* | 0.181462 | 1.035376 | -1.73173 | 1.963109 |
| *fta* | 0.045977 | 0.210649 | 0 | 1 |
| *air* | 0.697674 | 0.461959 | 0 | 1 |
| *ocean* | 0.453488 | 0.500752 | 0 | 1 |

2005年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000022 | 5.93E-05 | 1 | 1.000404 |
| *bvcctof* | 224.7716 | 593.4401 | 0.097064 | 4036.995 |
| *bftoc* | 1.000022 | 7.27E-05 | 1 | 1.000597 |
| *bvcftoc* | 215.2333 | 727.2461 | 0.031016 | 5968.363 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 54.09429 | 2.015685 | 49.6324 | 59.19489 |
| *gdpgrow* | 5.521788 | 4.462522 | -13.1291 | 27.96154 |
| ln*popu*×*popu* | 9.577801 | 1.712223 | 6.032317 | 14.21841 |
| ln*agria*×*agria* | 26.11724 | 2.5361 | 17.48737 | 30.76797 |
| *cc* | 0.165222 | 1.099488 | -1.65795 | 2.469991 |
| *re* | 0.262997 | 1.022098 | -2.19041 | 1.839874 |
| *ge* | 0.30025 | 1.018715 | -1.71867 | 2.22626 |
| *rl* | 0.170703 | 1.061395 | -1.86319 | 1.997572 |
| *fta* | 0.149425 | 0.358574 | 0 | 1 |
| *air* | 0.697674 | 0.461959 | 0 | 1 |
| *ocean* | 0.453488 | 0.500752 | 0 | 1 |

2006年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000027 | 6.87E-05 | 1 | 1.000419 |
| *bvcctof* | 270.536 | 687.311 | 0.077477 | 4189.955 |
| *bftoc* | 1.000026 | 8.37E-05 | 1 | 1.000658 |
| *bvcftoc* | 260.6997 | 837.1166 | 0.022196 | 6580.912 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 54.27952 | 1.998947 | 49.81838 | 59.34277 |
| *gdpgrow* | 6.858824 | 5.104803 | 1.420007 | 34.46621 |
| ln*popu*×*popu* | 9.597019 | 1.708201 | 6.062254 | 14.23945 |
| ln*agria*×*agria* | 26.08052 | 2.522019 | 17.46773 | 30.73834 |
| *cc* | 0.156665 | 1.098274 | -1.62511 | 2.446026 |
| *re* | 0.301248 | 1.016883 | -2.26762 | 1.925144 |
| *ge* | 0.297957 | 1.010937 | -1.56827 | 2.375459 |
| *rl* | 0.194776 | 1.054981 | -1.83793 | 2.01373 |
| *fta* | 0.149425 | 0.358574 | 0 | 1 |
| *air* | 0.697674 | 0.461959 | 0 | 1 |
| *ocean* | 0.453488 | 0.500752 | 0 | 1 |

2007年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000033 | 8.25E-05 | 1 | 1.000471 |
| *bvcctof* | 328.5007 | 825.1936 | 0.055261 | 4710.289 |
| *bftoc* | 1.000031 | 9.73E-05 | 1 | 1.000738 |
| *bvcftoc* | 309.5937 | 972.6186 | 0.028438 | 7377.069 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 54.47596 | 1.980604 | 50.11632 | 59.49442 |
| *gdpgrow* | 6.608695 | 4.104751 | 0.154582 | 25.46322 |
| ln*popu*×*popu* | 9.616203 | 1.704102 | 6.090663 | 14.25977 |
| ln*agria*×*agria* | 26.07812 | 2.518158 | 17.53311 | 30.71715 |
| *cc* | 0.159646 | 1.099176 | -1.63829 | 2.393064 |
| *re* | 0.321089 | 1.008096 | -2.2136 | 1.91417 |
| *ge* | 0.31542 | 0.998181 | -1.53075 | 2.436975 |
| *rl* | 0.217484 | 1.045369 | -1.86438 | 1.970247 |
| *fta* | 0.16092 | 0.369587 | 0 | 1 |
| *air* | 0.732558 | 0.445221 | 0 | 1 |
| *ocean* | 0.523256 | 0.502388 | 0 | 1 |

2008年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000034 | 8.39E-05 | 1 | 1.000448 |
| *bvcctof* | 339.4176 | 838.6071 | 0.04565 | 4481.936 |
| *bftoc* | 1.000032 | 0.0001 | 1 | 1.000747 |
| *bvcftoc* | 319.9557 | 1001.205 | 0.022195 | 7474.049 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 54.60747 | 1.962906 | 50.25506 | 59.58521 |
| *gdpgrow* | 4.09008 | 4.041369 | -5.41946 | 17.66356 |
| ln*popu*×*popu* | 9.635533 | 1.700439 | 6.120199 | 14.27954 |
| ln*agria*×*agria* | 26.07584 | 2.524962 | 17.39954 | 30.69775 |
| *cc* | 0.147527 | 1.11191 | -1.66042 | 2.446495 |
| *re* | 0.323582 | 0.99524 | -2.23668 | 1.88179 |
| *ge* | 0.318968 | 0.998217 | -1.61405 | 2.270797 |
| *rl* | 0.221252 | 1.03712 | -1.84709 | 1.970258 |
| *fta* | 0.16092 | 0.369587 | 0 | 1 |
| *air* | 0.732558 | 0.445221 | 0 | 1 |
| *ocean* | 0.534884 | 0.501707 | 0 | 1 |

2009年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000026 | 6.39E-05 | 1 | 1.000366 |
| *bvcctof* | 263.6025 | 638.6829 | 0.032623 | 3655.78 |
| *bftoc* | 1.000024 | 7.01E-05 | 1 | 1.000463 |
| *bvcftoc* | 241.8028 | 701.0521 | 0.018312 | 4627.452 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 54.68462 | 1.953034 | 50.40935 | 59.64935 |
| *gdpgrow* | -1.05809 | 6.39877 | -14.8142 | 21.39053 |
| ln*popu*×*popu* | 9.654137 | 1.697599 | 6.153721 | 14.29862 |
| ln*agria*×*agria* | 26.0743 | 2.521072 | 17.39955 | 30.68004 |
| *cc* | 0.142444 | 1.11244 | -1.67288 | 2.358993 |
| *re* | 0.32545 | 0.99638 | -2.24437 | 1.876393 |
| *ge* | 0.332995 | 0.992468 | -1.6179 | 2.241407 |
| *rl* | 0.223045 | 1.039668 | -1.84544 | 1.968725 |
| *fta* | 0.16092 | 0.369587 | 0 | 1 |
| *air* | 0.755814 | 0.432123 | 0 | 1 |
| *ocean* | 0.651163 | 0.479398 | 0 | 1 |

2010年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000035 | 8.43E-05 | 1 | 1.000472 |
| *bvcctof* | 348.3066 | 843.3564 | 0.043804 | 4715.227 |
| *bftoc* | 1.000032 | 9.62E-05 | 1 | 1.000664 |
| *bvcftoc* | 324.0656 | 961.8573 | 0.023357 | 6638.18 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 54.82858 | 1.948212 | 50.62135 | 59.77575 |
| *gdpgrow* | 4.45422 | 3.950755 | -5.47904 | 19.59233 |
| ln*popu*×*popu* | 9.671263 | 1.69572 | 6.192862 | 14.31695 |
| ln*agria*×*agria* | 26.07707 | 2.516276 | 17.45511 | 30.67628 |
| *cc* | 0.137636 | 1.104063 | -1.58677 | 2.404429 |
| *re* | 0.320331 | 0.99378 | -2.10242 | 1.905198 |
| *ge* | 0.323449 | 0.986996 | -1.60386 | 2.241138 |
| *rl* | 0.216573 | 1.03289 | -1.89663 | 1.949499 |
| *fta* | 0.16092 | 0.369587 | 0 | 1 |
| *air* | 0.755814 | 0.432123 | 0 | 1 |
| *ocean* | 0.651163 | 0.479398 | 0 | 1 |

2011年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.00004 | 9.71E-05 | 1 | 1.00054 |
| *bvcctof* | 403.3431 | 971.2077 | 0.053579 | 5399.738 |
| *bftoc* | 1.000038 | 0.000112 | 1 | 1.000784 |
| *bvcftoc* | 376.359 | 1120.09 | 0.031356 | 7835.182 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 54.95692 | 1.940514 | 50.78852 | 59.88236 |
| *gdpgrow* | 3.868269 | 4.231925 | -12.7149 | 17.29078 |
| ln*popu*×*popu* | 9.687581 | 1.693949 | 6.23722 | 14.33463 |
| ln*agria*×*agria* | 26.07762 | 2.517324 | 17.44151 | 30.67934 |
| *cc* | 0.170336 | 1.08686 | -1.43132 | 2.381079 |
| *re* | 0.32479 | 0.990811 | -2.06752 | 1.965846 |
| *ge* | 0.322862 | 0.980703 | -1.48139 | 2.220478 |
| *rl* | 0.226196 | 1.027799 | -1.64317 | 1.958513 |
| *fta* | 0.16092 | 0.369587 | 0 | 1 |
| *air* | 0.767442 | 0.424941 | 0 | 1 |
| *ocean* | 0.651163 | 0.479398 | 0 | 1 |

2012年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000038 | 9.16E-05 | 1 | 1.000515 |
| *bvcctof* | 380.3106 | 916.3874 | 0.093064 | 5145.371 |
| *bftoc* | 1.000035 | 0.000104 | 1 | 1.000722 |
| *bvcftoc* | 350.9604 | 1041.311 | 0.030603 | 7215.248 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 0 | 0 | 0 | 0 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 55.06014 | 1.933249 | 50.91366 | 59.98026 |
| *gdpgrow* | 2.873092 | 4.053924 | -7.44456 | 13.93643 |
| ln*popu*×*popu* | 9.703838 | 1.692425 | 6.285152 | 14.35182 |
| ln*agria*×*agria* | 26.07956 | 2.516415 | 17.44151 | 30.67698 |
| *cc* | 0.180668 | 1.078159 | -1.43676 | 2.404901 |
| *re* | 0.324928 | 0.99306 | -2.09063 | 1.970402 |
| *ge* | 0.332672 | 0.984747 | -1.4971 | 2.174288 |
| *rl* | 0.22835 | 1.02518 | -1.59731 | 1.98001 |
| *fta* | 0.172414 | 0.37993 | 0 | 1 |
| *air* | 0.767442 | 0.424941 | 0 | 1 |
| *ocean* | 0.651163 | 0.479398 | 0 | 1 |

2013年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000037 | 8.94E-05 | 1 | 1.000498 |
| *bvcctof* | 367.4547 | 894.416 | 0.101096 | 4979.015 |
| *bftoc* | 1.000034 | 0.000102 | 1 | 1.000719 |
| *bvcftoc* | 338.3855 | 1019.525 | 0.039923 | 7194.487 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 1 | 0 | 1 | 1 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 55.16604 | 1.923514 | 51.00967 | 60.07333 |
| *gdpgrow* | 3.206121 | 3.218537 | -5.79931 | 11.64892 |
| ln*popu*×*popu* | 9.719896 | 1.691264 | 6.308013 | 14.36859 |
| ln*agria*×*agria* | 26.06985 | 2.52795 | 17.35575 | 30.66994 |
| *cc* | 0.188634 | 1.066873 | -1.55512 | 2.24726 |
| *re* | 0.334655 | 1.005816 | -2.05853 | 2.233457 |
| *ge* | 0.382927 | 0.93586 | -1.41087 | 2.182617 |
| *rl* | 0.292198 | 1.033479 | -1.44565 | 2.100273 |
| *fta* | 0.172414 | 0.37993 | 0 | 1 |
| *air* | 0.767442 | 0.424941 | 0 | 1 |
| *ocean* | 0.651163 | 0.479398 | 0 | 1 |

2014年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.000036 | 8.57E-05 | 1 | 1.000477 |
| *bvcctof* | 357.0191 | 856.7502 | 0.118611 | 4768.351 |
| *bftoc* | 1.000032 | 9.55E-05 | 1 | 1.000664 |
| *bvcftoc* | 324.6509 | 955.4983 | 0.042477 | 6639.785 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 1 | 0 | 1 | 1 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 55.26797 | 1.917098 | 51.13599 | 60.16801 |
| *gdpgrow* | 3.234716 | 2.765612 | -6.55262 | 10.3 |
| ln*popu*×*popu* | 9.735711 | 1.690198 | 6.326213 | 14.38511 |
| ln*agria*×*agria* | 26.07014 | 2.529261 | 17.34071 | 30.67492 |
| *cc* | 0.184994 | 1.066908 | -1.54572 | 2.275324 |
| *re* | 0.342034 | 0.999428 | -2.07384 | 2.260543 |
| *ge* | 0.371898 | 0.958242 | -1.6271 | 2.236419 |
| *rl* | 0.264995 | 1.02749 | -1.50404 | 2.063105 |
| *fta* | 0.172414 | 0.37993 | 0 | 1 |
| *air* | 0.767442 | 0.424941 | 0 | 1 |
| *ocean* | 0.651163 | 0.479398 | 0 | 1 |

2015年变量描述性统计

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量 | 均值 | 标准差 | 最小值 | 最大值 |
| *bctof* | 1.00003 | 7.29E-05 | 1 | 1.000447 |
| *bvcctof* | 296.8925 | 728.726 | 0.111533 | 4472.703 |
| *bftoc* | 1.000027 | 7.92E-05 | 1 | 1.000527 |
| *bvcftoc* | 269.2795 | 792.0179 | 0.033569 | 5269.235 |
| *silkroad* | 0.735632 | 0.443553 | 0 | 1 |
| *post* | 1 | 0 | 1 | 1 |
| *dist* | 6300.566 | 2410.816 | 1172.047 | 16948.04 |
| *cl* | 0.083088 | 0.118135 | 0 | 0.880395 |
| ln*gdp*×*gdp* | 55.36297 | 1.914873 | 51.26709 | 60.26319 |
| *gdpgrow* | 2.953015 | 4.321101 | -16.6785 | 25.16253 |
| ln*popu*×*popu* | 9.751163 | 1.689182 | 6.343755 | 14.40135 |
| ln*agria*×*agria* | 26.09738 | 2.524299 | 17.36619 | 30.69548 |
| *cc* | 0.184813 | 1.081114 | -1.66373 | 2.239528 |
| *re* | 0.341547 | 0.99815 | -2.09099 | 2.180612 |
| *ge* | 0.365196 | 0.948062 | -1.82506 | 2.206245 |
| *rl* | 0.260294 | 1.018006 | -1.99062 | 2.036334 |
| *fta* | 0.183908 | 0.389655 | 0 | 1 |
| *air* | 0.77907 | 0.417307 | 0 | 1 |
| *ocean* | 0.651163 | 0.479398 | 0 | 1 |