Complex interlinkages, key objectives and nexuses amongst the Sustainable Development Goals and climate change

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Summary

Background. Global sustainability is underpinned by an enmeshed system of complex socio-economic-ecological interactions. The objectives spelled out by the United Nations' Sustainable Development Goals (SDGs) and Paris Agreement are highly inter-dependent, making it difficult to establish policies that are beneficial for both agendas.

Methods. We present a method to find interlinkages amongst the 17 SDGs and climate change, using an extensive set of time series of 400 indicators tracking the progress of the SDGs together with annual mean temperatures, as the indicator for climate change. The method detects complex interlinkages amongst the objectives by computing significant partial distance correlations—a nonlinear measure of conditional dependence that discounts

the effect of possible confounders. To capture the inter-related nature of the objectives, we employ a network representation to determine the most important objectives (highly central nodes in the network) and to obtain nexuses of objectives (communities of nodes in the network).

Findings. We analysed the data of 35 groupings of countries reflecting various geographic and socio-economic criteria. We find that the significant interlinkages, their centralities, and the nexuses of objectives vary greatly across country groupings, yet *partnerships for the goals* (SDG 17) and *annual temperatures* are highly central across many country groupings. Especially in country groupings likely to be worst affected by climate breakdown, e.g., Africa, temperature shows a particularly strong inter-dependence with urbanisation, air pollution, and slum expansion (SDG 11). In many groupings encompassing developing countries, a consistent nexus of objectives is formed by poverty reduction (SDG 1), education (SDG 4), and economic growth (SDG 8), sometimes incorporating gender equality (SDG 5), and peace and justice (SDG 16).

Interpretation. The large differences observed across groupings emphasise the need to define policy priorities taking into account local circumstances. Our analysis of centralities confirms the importance of multilateral agreements and collaborations (SDG 17), which displays a strong interlinkage with economic growth (SDG 8). Yet, our results also show that if the relationship between SDGs 17 and 8 is left out, other SDGs, such as education (SDG 4) and poverty reduction (SDG 1), become more central, thus suggesting routes to more impactful international collaborations with a focus beyond economic growth. The nexuses obtained in our analysis indicate that it is possible to target multiple objectives simultaneously.

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Keywords: SDGs, climate change, interlinkages, complex networks

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Introduction

The current architecture of global sustainability is framed by two United Nations' landmark agendas: the Paris Agreement and the 2030 Agenda for Sustainable Development. Whilst the former focuses on strengthening the global response to the climate crisis, the purpose of the latter with its 17 Sustainable Development Goals (SDGs) is to promote prosperity and social justice by tackling inequality issues around poverty, hunger and gender, but also environmental problems that include fostering biodiversity and increasing resilience to a changing climate. Indeed, the objectives of both agendas are inextricably linked [1, 2]. To date, interlinkages between the objectives of both agendas have commonly been categorised as either counteracting *(trade-offs)* or reinforcing *(synergies)* [3, 4, 5, 6, 7], e.g., by using a scale from -3 ("cancelling") through 0 ("consistent") to $+3$ ("indivisible") [8]. Such a simple categorisation based on a single number can be restrictive and misleading, because it corresponds, in essence, to characterising the system of SDGs and climate change as an ensemble of linearly related objectives [5, 9]. Thereby, it neglects the known complexities of socio-economic(-ecological) systems, such as *nonlinear* relationships between objectives. The presence of nonlinearity opens the possibility that the interlinkage between two objectives may be both counteracting *and* reinforcing, depending on the state of the objectives, as exemplified in Figure 1.

In our analysis, we explicitly account for complex interactions between objectives by calculating the *distance correlation*, a measure that can detect arbitrary nonlinear relationships [10]. In addition, our method allows us to control for shared (confounding) influences on each pairwise interlinkage by conditioning on all possible subsets of the remaining objectives [11]. Choosing the minimum distance correlation over these subsets, we measure the direct strength of the relationship between any two objectives that cannot be explained away by the influence of other objectives [12, Section 5.4.1], and thus resolve the common problem of confounders in systems of more than two variables. To the best of our knowledge, the issue of confounders has not been considered in recent studies on SDG interlinkages [e.g., 13, 4, 5, 6].

We apply our approach to infer complex interlinkages using time series of various indicators defined by the World Bank [14] to track progress towards the 17 SDGs and, in addition, we introduce annual average temperatures as an 18$^{\text{th}}$ variable to measure progress towards the Paris Agreement. This is motivated by the fact that SDG 13, which is dedicated to climate action, is focused on *adapting to* rather than *mitigating* the concurrent climate breakdown.

To integrate the collective information of all inferred interlinkages amongst SDGs and mean temperatures, we turn to a network formulation to represent the relationships the variables. We construct networks where the nodes correspond to the 18 variables and the edges between them are weighted by the minimum partial distance correlations. To capture the differences in interlinkages across the world, we then compute such networks for various regional, geopolitical, and economic groupings of countries. The resulting networks allow us both to visualise our findings, and to carry out further analyses; specifically, we find which of the SDGs are most central for the different country groupings, and we obtain clusters of objectives (which we denote 'nexuses') that show strong dependence to each other.

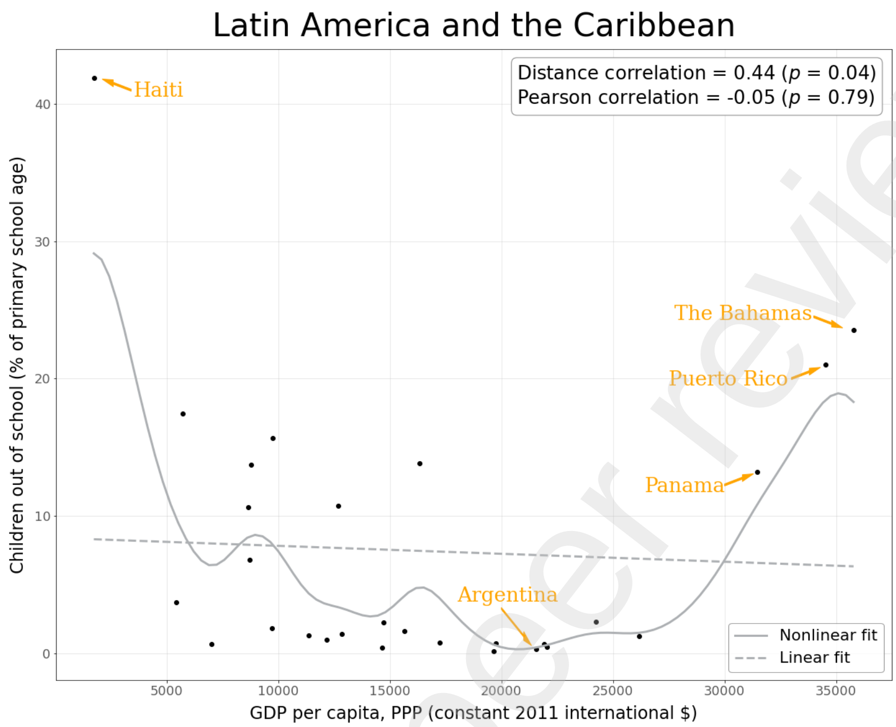

Figure 1: Example of a nonlinear relationship between two indicators: one of the indicators of SDG 4, children out of school (% of primary school age), and one of the indicators of SDG 17, gross domestic product (GDP) per capita, purchasing power parity (PPP) (constant 2011 international $) for countries in Latin America and the Caribbean. Each point corresponds to the latest available measurement of the two indicators for a country in this grouping. The dependence between the indicators is captured more accurately through a nonlinear *(solid line)* rather than linear *(dashed line)* relationship, as shown by a significant ($p < 0.05$) distance correlation versus a weak, non-significant linear (Pearson) correlation. The nonlinearity is reflected in a detrimental relationship at lower values of GDP that becomes synergistic at medium values, but turns detrimental again with higher values of GDP.

Research in context

Evidence before this study

Interlinkages amongst the SDGs have been studied, both qualitatively and quantitatively. Qualitative work has often focused on particular dependencies between a specific sustainability-related objective and some (other) SDGs, whereas quantitative methods have generally been used to analyse the SDGs from a more holistic perspective. Predominantly, quantitative studies have been based on linear or rank-based dependence measures (mostly Pearson or Spearman correlation), and have investigated pairwise relationships between SDGs without discounting the confounding influence of the remaining SDGs. Correlation coefficients so computed have then been used to classify relationships as synergies (positive coefficient) or trade-offs (negative coefficient). Taking correlation coefficients as edge weights in networks comprising the 17 SDGs, graph- and node-level metrics such as connectivity and degree or eigenvector centrality have sometimes been computed. Recent work has explored the contextual nature of the interlinkages by dis-aggregating countries into income-levels or regions, and has defined pairwise relationships for each grouping of countries separately instead of one generic global network.

Added value of this study

This analysis addresses three limitations of existing research, and develops a novel methodological framework for how interlinkages amongst the 17 SDGs plus climate change may be assessed in various regional, geopolitical and economic contexts. Motivated by the holistic nature of policies addressing sustainability-related issues, we firstly view the 2030 Agenda for Sustainable Development and the Paris Agreement as *one interrelated system* of 18 temporal variables corresponding to the 17 SDGs and annual mean temperatures as an indicator of climate change. Secondly, we account for *arbitrary nonlinear relationships* between the 18 variables through a nonparametric measure of dependence, the partial distance correlation. Thirdly, we condition pairwise relationships on any possible subset of the remaining 16 nodes to control for shared influences and *isolate direct dependencies* between pairs of objectives. For each grouping of countries, we visualise and analyse the obtained dependencies as a network of 18 inter-related objectives. For each contextualised network, we compute the centrality, i.e., the relative importance, of each objective and apply community detection to find nexuses, i.e., groups of strongly connected objectives.

Implications of all the available evidence

Our analysis finds that the structure of the interlinkages amongst SDGs and climate change display strong differences across contexts. This supports that policies for sustainable development should be adjusted to the context in which they are executed. Primarily in developing countries, this is a challenging task due to the large foreign influence through investments with short-term economic interests. We show that foreign investment solely aimed at economic growth may slow or even hinder the progress of developing nations, and that such resources could be spent more efficiently on other objectives such as poverty reduction or health, resulting in a general acceleration of progress towards meeting the SDGs and limiting global warming.

Methods

Data

Time series measuring progress on the SDGs are available from multiple sources. Our data set is taken from the World Bank [14] and consists of 400 indicators measuring progress of the 17 SDGs over time from 2000 to 2019. We have chosen the World Bank data set because its indicators focus on outcomes and impacts, rather than recording inputs and procedures as those in the United Nations [15] data set. We also refrain from using the SDG Index and Dashboard [16] data due to its more limited number of indicators (85). For annual country-level average temperatures, we access data from the Climatic Research Unit [17]. Since the World Bank data set for SDG 13 only had measurements for one year at the time of conducting this analysis, we use instead indicators 13.1.1 and 13.1.3 of the United Nations [15] data set for country-level time series of SDG 13, as was also done in Lusseau and Mancini [5]. We remove the redundant indicator *net official development assistance received (current US$)* in SDG 17 since it already appears in SDG 10. In summary, our data set consists of 400 indicators measured from 2000-2019 in 181 countries. Each indicator is associated with one of the 18 objectives (i.e., SDGs and climate change). Imputation of missing values is carried out using a weighted average across those countries for which measurements are available, with weights inversely proportional to the Euclidean distance between indicators. For our contextual analysis of results, countries are grouped regionally, geopolitically, and economically, resulting in a total of 35 different groupings (see Supplementary Material for full list of groupings and countries).

Notation

Let us consider a given grouping of n countries, and let us consider the countries as independent samples of the grouping. Hence the sample size of a grouping equals the number of countries in it. Let the variable X represent one of our 18 nodes (SDGs and climate change). Each variable X has an associated set of indicators I_X, and each indicator $i \in I_X$ has $T_{X,i}$ observations over time (some possibly imputed over the n samples). The variable X is constructed by appending all its indicators into a vector with dimensionality $d_X = \sum_{i=1}^{I_X} T_{X,i}$.

We now introduce the method to compute nonlinear dependencies between any two such variables X and Y, discounting the influence of the remaining 16 nodes.

Distance correlation

The *distance covariance* [10, 18] between $X \in \mathbb{R}^{d_X}$ and $Y \in \mathbb{R}^{d_Y}$, denoted by $\mathcal{V}^2(X,Y)$, is a measure of dependence between X and Y with the following important properties: (i) $\mathcal{V}^2(X,Y) \geq 0$, with equality if and only if X and Y are independent, i.e., it is a nonparametric measure that—unlike Pearson or Spearman correlation—is able to pick up non-monotonic dependencies (as the one seen in Figure 1 for example); (ii) $\mathcal{V}^2(X,Y) = \mathcal{V}^2(Y,X)$, i.e., it is symmetric; and (iii) $\mathcal{V}^2(X,Y)$ is well-defined for $d_X \neq d_Y$. This last point makes it particularly well-suited for our setting since, due to the different numbers of indicators per SDG, dimensionality varies considerably between variables.

The *distance correlation* [10] $\mathcal{R}^2(X,Y)$ is the normalised version of the distance covariance and its properties include: (i) $0 \leq \mathcal{R}^2(X,Y) \leq 1$, i.e., it is a normalised quantity; and (ii) $\mathcal{R}^2(X,Y) = 1$ if and only if X and Y are linearly dependent. Since $\mathcal{V}^2(X,Y)$ and therefore also $\mathcal{R}^2(X,Y)$ are defined in terms of the underlying joint distribution of (X,Y), denoted $P_{X,Y}$, which is usually unknown (see Supplementary Material for details), we require a way to estimate them from data.

Unbiased estimator of the distance covariance

Suppose that we have access to a sample of n pairs $(x_1,y_1),...,(x_n,y_n) \overset{\text{i.i.d.}}{\sim} P_{X,Y}$. We start by computing the *pairwise Euclidean distances* between samples

$$a_{ij} := \|x_i - x_j\|, \quad b_{ij} = \|y_i - y_j\| \quad \forall i,j = 1,\ldots,n\,. \tag{1}$$

Next, we define the *distance matrices* $A = (A_{ij})_{i,j=1}^n$ and $B = (B_{ij})_{i,j=1}^n$ as

$$A_{ij} = a_{ij} - \frac{1}{n-2}\sum_{l=1}^{n} a_{il} - \frac{1}{n-2}\sum_{k=1}^{n} a_{kj} + \frac{1}{(n-1)(n-2)}\sum_{k,l=1}^{n} a_{kl} \tag{2}$$

for $i \neq j$ and zero otherwise, and similarly for B_{ij}. An unbiased estimator of the *sample distance covariance* $\mathcal{V}_n^2(X,Y)$ is then given by

$$\mathcal{V}_n^2(X,Y) := \langle A, B\rangle = \frac{1}{n(n-3)}\sum_{i,j=1}^{n} A_{ij}\ B_{ij} \tag{3}$$

which converges to the population distance covariance $\mathcal{V}^2(X,Y)$ as $n \to \infty$ almost surely [11].

Partial distance correlation

Pairwise dependence between X and Y may occur due to influences of the remaining 16 nodes. To establish the *direct* strength of dependence between any pair of nodes (X, Y), we factor out shared effects from other nodes by conditioning on any subset of the remaining nodes: $\mathbf{Z} \subseteq \boldsymbol{V} \setminus \{X, Y\}$ where $\boldsymbol{V}$ is the set of 18 nodes. The pairwise distances $c_{ij} := \|\mathbf{z}_i - \mathbf{z}_j\|$ are constructed from the vector of variables over the subset $\mathbf{Z}$, and the elements of the distance matrix C_{ij} for $\mathbf{Z}$ are computed analogously to (1) and (2). For any number $n \geq 4$ of samples $\{(x_i, y_i, \mathbf{z}_i)\}_{i=1}^n$ from $(X, Y, \mathbf{Z})$, let $A(\mathbf{x})$, $B(\mathbf{y})$ and $C(\mathbf{z})$ be the distance matrices computed using the samples $\mathbf{x} = (x_1, ..., x_n)$, $\mathbf{y} = (y_1, ..., y_n)$, and $\mathbf{z} = (\mathbf{z}_1, ..., \mathbf{z}_n)$, respectively. The projection $\mathcal{P}_{\mathbf{z}}(\mathbf{x})$ of $A(\mathbf{x})$ onto $C(\mathbf{z})$ and the complementary orthogonal projection $\mathcal{P}_{\mathbf{z}^\perp}(\mathbf{x})$ are defined by

$$\mathcal{P}_{\mathbf{z}}(\mathbf{x}) := \frac{\langle A(\mathbf{x}), C(\mathbf{z})\rangle}{\langle C(\mathbf{z}), C(\mathbf{z})\rangle} C(\mathbf{z}), \quad \mathcal{P}_{\mathbf{z}^\perp}(\mathbf{x}) := A(\mathbf{x}) - \mathcal{P}_{\mathbf{z}}(\mathbf{x}), \tag{4}$$

and similarly for the (orthogonal) projections of $B(\mathbf{y})$ onto $C(\mathbf{z})$, $\mathcal{P}_{\mathbf{z}}(\mathbf{y})$ and $\mathcal{P}_{\mathbf{z}^\perp}(\mathbf{y})$.

The *sample partial distance covariance* $\mathcal{V}_n^2(X, Y \mid \mathbf{Z})$ is then defined as the distance covariance between the orthogonal projections:

$$\mathcal{V}_n^2(X, Y \mid \mathbf{Z}) := \frac{1}{n(n-3)} \sum_{i \neq j}^{n} \left(\mathcal{P}_{\mathbf{z}^\perp}(\mathbf{x})\right)_{ij} \left(\mathcal{P}_{\mathbf{z}^\perp}(\mathbf{y})\right)_{ij}. \tag{5}$$

Hence, the partial distance correlation establishes the strength of the dependence between X and Y that cannot be explained away by $\mathbf{Z}$.

After normalising, we arrive at the *sample partial distance correlation*,

$$\mathcal{R}_n^2(X, Y \mid \mathbf{Z}) = \frac{\mathcal{V}_n^2(X, Y \mid \mathbf{Z})}{\sqrt{\mathcal{V}_n^2(X, X \mid \mathbf{Z})\mathcal{V}_n^2(Y, Y \mid \mathbf{Z})}}. \tag{6}$$

Finally, as a measure of the direct dependence between X and Y we take the *minimal partial distance correlation* over all possible subsets:

$$\mathcal{R}_n^2(X, Y) = \min_{\mathbf{Z} \subseteq \boldsymbol{V} \setminus \{X,Y\}} \mathcal{R}_n^2(X, Y \mid \mathbf{Z}). \tag{7}$$

Since we pick the minimal partial distance correlation (7), this measure reflects the strength of the dependence between X and Y that cannot be explained by the subset $\mathbf{Z}$ that influences both X and Y most.

In our case, there are 153 unique pairs of the 18 variables (SDGs and climate change), and for each pair we compute the partial distance correlation (7) by minimising over 65535 conditional sets $\mathbf{Z}$ formed by the remain 16 variables. This process is repeated for each of the 35 country groupings to obtain a contextualised description of the dependencies amongst SDGs and climate change.

Statistical testing: significant partial distance correlations

To determine which of the minimal partial distance correlations (7) are statistically significant, we test against the null hypothesis of X being independent of Y given $\mathbf{Z}$. To achieve this, we carry out a permutation test where we produce 10000 random reorderings of the samples $\mathbf{x}$ whilst the samples $\mathbf{y}$ and $\mathbf{z}$ are unchanged [11]. We reject the null hypothesis if the corresponding p-value is less or equal to a predetermined statistical significance level $\alpha \in \{0.01, 0.05, 0.1\}$. When the minimal partial distance correlation between two variables X and Y is found to be significant for a given level α, we say there is an interlinkage between the two variables.

Network analysis

For any given grouping of countries, our procedure thus produces a set of statistically significant interlinkages amongst the 18 variables, with strengths given by (7). To further analyse the inter-related dependencies, we invoke a network representation, where the variables are nodes and the significant minimal partial distance correlations (7) constitute weighted edges.

Having thus constructed undirected weighted networks for every country grouping, we conduct two further analyses. Firstly, we quantify the relative importance of each of the 18 nodes using eigenvector centrality, a network-theoretic measure that gives a high centrality score to nodes that are connected to other similarly highly central nodes. Secondly, we apply community detection by modularity maximisation to group nodes into *nexuses*, i.e., clusters of objectives that have stronger partial distance correlations within the nexus than across the other nexuses. Both methods are described in detail in the Supplementary Material.

Results

We have performed our analysis for 35 groupings of countries reflecting a variety of geographical and socio-economic factors. The analysis of all country groupings is presented in full in the Supplementary Material where all significant interlinkages, networks of objectives, eigenvector centralities, and nexuses can be found, whereas we only point out a few key findings here.

An example of our results is presented in Figure 2, where we show the network of the 18 variables and their eigenvector centralities for the country grouping of Emerging Markets. In the network, the line type of the edges

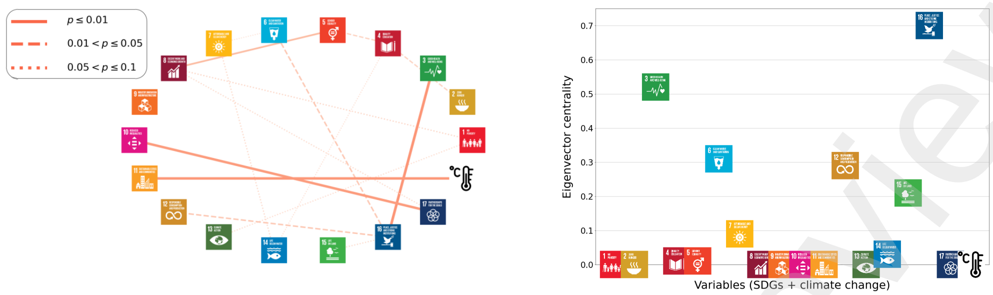

Figure 2: *(left)* The network of SDGs and climate change, illustrated by the symbols for the 17 SDGs and a thermometer, respectively, for the grouping Emerging Markets (BRICS + N-11). Darker and wider edges indicate larger partial distance correlation coefficients, and p-values of the corresponding conditional independence tests are visualised as different edge styles. *(right)* Normalised eigenvector centralities as a measure of the relative importance within the network for each of the 18 variables.

reflects the statistical significance level and the width is proportional to the minimal partial distance correlation (7). The eigenvector centralities are computed from the network with significance $\alpha = 0.1$.

As shown in the Supplementary Material, we find vastly different networks and eigenvector centralities across country groupings. Table 1 lists the three most central variables along with their eigenvector centrality for each of the 35 groupings. This differing picture across the contextualised networks supports the call to view the system of inter-related SDGs and climate change through jurisdictional and political lenses [19].

Most central objectives across different country groupings

We find that SDG 17, dedicated to enhancing national and international partnerships in the public and private sectors, is amongst the top three most

Table 1: The three most important variables (with their eigenvector centrality) in every grouping. Variables are named 1 to 17 for the SDGs and T for annual mean temperatures. The three variables that appear most often across all groupings are highlighted in bold.

Country grouping	Most central variables 1st	2nd	3rd
World	7 (0.46)	**17** (0.43)	9 (0.34)
Global North	**17** (0.53)	9 (0.39)	7 (0.36)
Global South	4 (0.41)	**17** (0.41)	8 (0.31)
Africa	**17** (0.38)	**T** (0.34)	9 (0.33)
Northern and Western Africa	**17** (0.62)	12 (0.55)	8 (0.33)
Middle Africa	**T** (0.66)	**11** (0.55)	10 (0.44)
Southern and Eastern Africa	**T** (0.54)	**11** (0.48)	3 (0.39)
Sub-Saharan Africa	**11** (0.35)	4 (0.33)	10 (0.33)
Americas	**17** (0.43)	7 (0.39)	1 (0.37)
North and Central America	6 (0.66)	16 (0.55)	7 (0.43)
Caribbean	**11** (0.71)	**T** (0.64)	15 (0.30)
South America	**11** (0.58)	12 (0.57)	3 (0.44)
Latin America and the Caribbean	**17** (0.46)	1 (0.40)	**11** (0.37)
Asia	**17** (0.48)	8 (0.34)	7 (0.32)
Central and Eastern Asia	**T** (0.58)	3 (0.56)	**11** (0.43)
South-eastern Asia	**11** (0.58)	**17** (0.56)	**T** (0.41)
Southern Asia	3 (0.60)	**T** (0.57)	2 (0.42)
Western Asia	**T** (0.58)	12 (0.41)	1 (0.39)
Europe	**17** (0.47)	9 (0.42)	7 (0.35)
Northern Europe	**11** (0.68)	10 (0.39)	**17** (0.37)
Eastern Europe	**17** (0.71)	9 (0.56)	**T** (0.43)
Southern Europe	7 (0.64)	5 (0.35)	4 (0.33)
Western Europe	**T** (0.71)	13 (0.71)	(all others)
Oceania	1 (0.57)	7 (0.57)	9 (0.36)
Oceania (excl. AUS + NZ)	2 (0.71)	1 (0.59)	13 (0.39)
High Income	**17** (0.47)	7 (0.43)	9 (0.38)
Upper middle Income	**T** (0.45)	**17** (0.41)	8 (0.30)
Lower middle Income	**11** (0.41)	**17** (0.38)	**T** (0.36)
Low Income	**17** (0.55)	12 (0.40)	9 (0.33)
Least Developed Countries (LDC)	8 (0.48)	4 (0.46)	1 (0.43)
Land Locked Developing Countries (LLDC)	3 (0.53)	**T** (0.42)	**11** (0.38)
Small Island Developing States (SIDS)	8 (0.48)	**17** (0.42)	4 (0.35)
G20	7 (0.48)	**17** (0.40)	2 (0.36)
Emerging Markets (BRICS + N-11)	16 (0.70)	3 (0.52)	6 (0.31)
OPEC	1 (0.52)	**17** (0.51)	4 (0.44)

central SDGs for 20 out of the 35 groupings. The annual average temperature variable appears central in country groupings that are likely to be amongst the worst affected by, and least responsible for, climate change (e.g., Africa, Caribbean, Central America, Southern Asia, Western Asia) [20]. In the majority of country groupings, efforts encompassing climate *adaptation*, as measured by the indicators of SDG 13, are not as important as annual average temperatures, our indicator for climate *mitigation*. We also find that economic growth (SDG 8) is less important in most groupings, especially in developed ones (e.g., High Income), although it is vital elsewhere (e.g., Least Developed Countries and Small Island Developing States). Other variables which are frequently amongst the three most important ones are SDG 11, whose indicators track air pollution and urban population (e.g., Sub-Saharan Africa, South-eastern Asia, Northern Europe); SDG 4 around primary, secondary and tertiary education (e.g., Global South); and SDG 1, considering monetary and multidimensional poverty, and the coverage of social protection schemes (e.g., Americas, Oceania).

Comparison between Global North and Global South

Table 2 summarises the comparison of the strength of the interlinkages and the centralities of the objectives between the Global South and Global North groupings. We find that SDG 17 *(partnerships for the goals)* is involved in four out of the five strongest interlinkages in the Global North, which results in it being the most important SDG by a considerable margin in that grouping. In contrast, SDG 17 only appears twice in the five strongest interlinkages in the Global South, exactly as often as SDG 4 on education, which share the highest centrality in this grouping. The interlinkage

Table 2: *(left)* The five interlinkages with largest partial distance correlations and *(right)* the five objectives with the largest eigenvector centralities for the Global South *(top five rows)* and Global North *(bottom five rows)*. The three interlinkages and objectives with the largest differences between Global South and Global North are highlighted.

Interlinkages			
	Partial distance correlation		
Edge	Global South	Global North	Difference
8–17	0.18	0.27	−0.09
11–T	0.17	0.08	0.09
3–4	0.17	0.03	0.14
4–17	0.16	0.01	0.15
5–8	0.16	0.00	**0.16**
9–17	0.09	0.32	**−0.23**
8–17	0.18	0.27	−0.09
2–7	0.06	0.22	**−0.17**
7–17	0.15	0.21	−0.07
1–17	0.09	0.20	−0.11

Objectives			
	Eigenvector centrality		
Node	Global South	Global North	Difference
17	0.41	0.53	−0.12
4	0.41	0.10	**0.31**
8	0.31	0.25	0.06
1	0.27	0.20	0.17
16	0.25	0.04	**0.21**
17	0.41	0.53	−0.12
9	0.21	0.39	**−0.18**
7	0.25	0.36	−0.11
2	0.21	0.29	−0.08
T	0.16	0.26	−0.1

of SDG 17 to SDG 8 *(economic growth)* is the only one present amongst the five strongest interlinkages in both the Global South and Global North, although it is stronger in the latter. The largest discrepancy in the strength of the interlinkages between these two country groupings appears for 5–8, 9–17 and 2–7, and the largest discrepancy in the centralities of the objectives is observed in the importance of SDG 4 *(quality education)*, 16 *(peace, justice and strong institutions)*, and 9 *(industry, innovation and infrastructure)*. Of these three, the former two are more central in the Global South and SDG 9 more in the Global North.

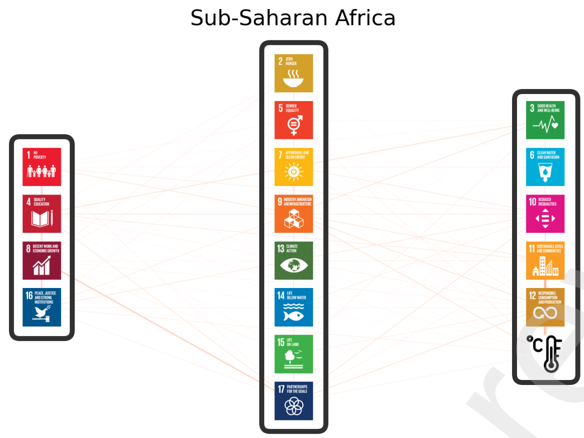

Figure 3: Nexuses in Sub-Saharan Africa

Nexuses of strongly interconnected objectives

We also find a varied set of nexuses of objectives across the different country groupings. One nexus, which is found across many groupings, especially of developing countries, combines poverty reduction (SDG 1), education (SDG 4), and economic growth (SDG 8). In Sub-Saharan Africa, for instance, this nexus additionally includes SDG 16 (see Figure 3), which is frequently seen besides SDG 5 joining this triplet. In this country grouping, we can also observe a strong bond between urbanisation (SDG 11), clean water and sanitation (SDG 6), health (SDG 3) and inequality (SDG 10), typical for developing nations. Two other repeatedly observed nexuses are (i) around the connection between SDG 7 and 9, which sometimes includes mean annual temperatures, SDG 10 or 12 (e.g., in Latin America and the Caribbeans); and (ii) around the conjunction of health (SDG 3) and clean water and sanitation (SDG 6), e.g., in Europe.

Discussion

Our approach offers a principled method to quantify the strengths of interlinkages amongst the 17 SDGs and climate change allowing for nonlinear relationships between variables and controlling for unwanted effects of confounding variables. Furthermore, our network analyses enable us to rank variables according to their relative importance and group them into nexuses.

The stark differences observed across country groupings call for highly contextualised policy prioritisation and resource allocation, and motivates the inclusion of a diverse group of stakeholders in decision-making processes, specifically stressing the importance of local expertise. For issues related to climate breakdown, the benefits of including local knowledge have been clearly communicated [21, 22], but such involvement must be expanded to the larger set of social and economic objectives for an efficient implementation of both the 2030 Agenda for Sustainable Development and the Paris Agreement.

The central role of SDG 17, which advocates for the enhancement of multilateral collaborations, and its strong interlinkage to SDG 8 on economic growth appear in many country groupings, e.g., in the Global South and Global North (Table 2). Given the fact that the indicators of SDG 17 include, e.g., foreign private investment, the strong association between SDGs 17 and 8 in the Global South may originate from the adoption of economic growth as an essential objective for prosperity, arguably facilitated by economic interests of organisations from the Global North [23]. However, if we break the interlinkage between SDGs 17 and 8 in our network, SDG 8 becomes less central than SDGs 4, 1, 3, 7, 11 and 16 in the Global South. These findings suggest that the association of foreign investment with local priorities in poverty reduction, public health, access to (renewable) electricity, and peace and strong jurisdictions, could be strengthened by reducing the direct interlinkage of foreign investment with economic growth. Despite its wide acceptance as the panacea to humanitarian crises of all sorts in the current capitalocene, economic growth has been devastating for many livelihoods and natural habitats [24]. For the Global South, our analyses of centrality and nexuses of objectives indicate the need to strengthen the associations between SDG 17 and variables like SDG 4 [25] that are more central for both the 2030 Agenda for Sustainable Development and the Paris Agreement.

There are some methodological limitations to our analysis worth stating. Our time series have measurements at most over the last 20 years. This range is enough to discover many interlinkages, but some could be missed—most likely to happen for the environmental objectives of SDGs 14 and 15. Related research suggests dependencies of these objectives to health and wellbeing (SDG 3) [26], food (SDG 2) and water security (SDG 6), disaster risk reduction (SDG 13), and obviously climate change [27].

The traditional viewpoint that classifies interlinkages as *synergies* (positive correlation) and *trade-offs* (negative correlation) with Pearson [9, 28] and Spearman [3, 4, 6] correlations does not apply to our framework. As shown in Figure 1, our measure of dependence, the partial distance correlation, enables us to discover relationships of any nonlinear and nonmonotonic form, thus capturing the complex interplays characteristic of socio-economic(-ecological) systems. Indeed, by comparing the interlinkages found here to those obtained by Warchold et al. [3] using Spearman correlations, we find strong dependencies for many pairs of variables (e.g., 7–9, 7–17, 8–17 for all countries) that were labelled as 'not classified' under their rank-based analysis Warchold et al. [3]. Our more accurate understanding of the complex dynamics at play can lead to more successful interventions to reach the 2030 Agenda for Sustainable Development and the Paris Agreement.

Contributors

F.L. conceived the study, F.L. and J.v.K. designed the statistical models, F.L. carried out the analyses and analysed the results. All authors wrote the manuscript.

Declaration of interests

The authors declare no competing interests.

Data sharing

Data used for our analyses are freely available from the sources cited in the Methods section of this article. Web links to the corresponding data bases are given in the references.

Code sharing

Code to reproduce these findings and visualisations may be found at `https://github.com/felix-laumann/SDG-networks`.

Acknowledgements

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Supplementary Material

Distance covariance

Intuitively, the distance covariance assesses dependence by measuring to what extent the distances between pairs of observations of X and Y are correlated with each other. Formally, it is defined as

$$\mathcal{V}^2(X,Y) = \int |f_{X,Y}(t,s) - f_X(t)f_Y(s)|^2 w(t,s)dt\ ds \tag{8}$$

where $w(t,s) := (|t|_{d_X}^{1+d_X} |s|_{d_Y}^{1+d_Y})^{-1}$, and where the *characteristic function* f_Z of a random variable Z is denoted as $f_Z(t) = \mathbb{E}[e^{itZ}]$ with $i^2 = -1$.

The *distance correlation* $\mathcal{R}^2(X,Y)$ is the normalised distance covariance

$$\mathcal{R}^2(X,Y) = \frac{\mathcal{V}^2(X,Y)}{\sqrt{\mathcal{V}^2(X,X)\mathcal{V}^2(Y,Y)}}, \tag{9}$$

if $\mathcal{V}^2(X,X)\mathcal{V}^2(Y,Y) > 0$, and zero otherwise.

Comparison of Pearson, Spearman and distance correlation

We compare the Pearson correlation coefficient r, which is a measure of linear dependence between two random variables X and Y, and the Spearman correlation coefficient ρ, a nonlinear monotonic measure of dependence, to our utilised nonlinear nonmonotonic measure of dependence, the distance correlation *dcor*. Figure 4 demonstrates that the distance correlation captures the relationships more accurately than the Pearson and Spearman correlation coefficients for (nonmonotonic) nonlinear dependencies such as $Y = X^2$ and $Y = X^4$, and performs comparable to the Pearson correlation for $Y = X^3$. All three measures perform equivalently for $Y = X$, obviously.

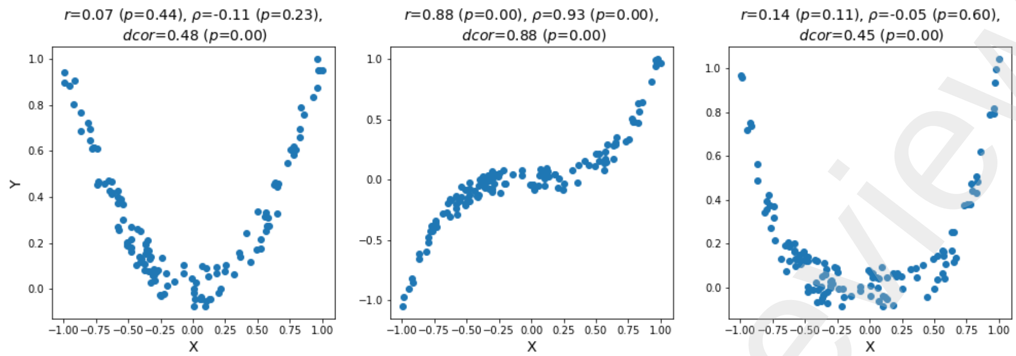


Figure 4: Pearson correlation r compared to distance correlation *dcor* for, from left to right, $Y = X^2$, $Y = X^3$, and $Y = X^4$. Random uniform noise $[-0.1, 0.1]$ is added to Y.

Eigenvector centrality

The eigenvector centrality is defined in terms of the weighted adjacency matrix $(K_{vt})_{v,t\in\mathbf{V}}$ with K_{vt} equal to the weight of the edge between nodes v and t (i.e., the minimum partial distance correlation over all subsets). The eigenvector centrality q_v for node v is then given by the v^{th} component of the normalised eigenvector $\mathbf{q}$ corresponding to the largest eigenvalue $\lambda_{\max}$ of K, i.e.,

$$q_v = \frac{1}{\lambda_{\max}} \sum_{t\in\mathbf{V}} K_{vt} q_t \,, \tag{10}$$

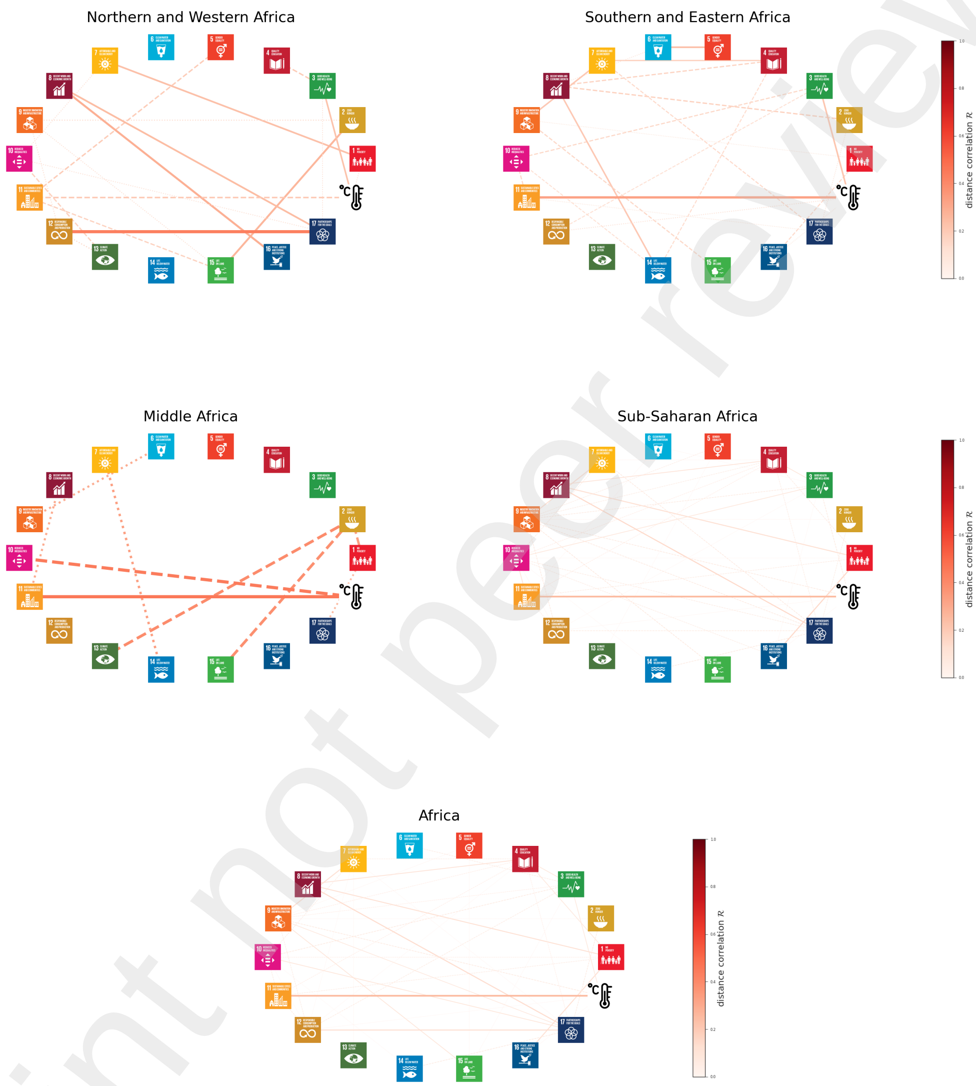
where $\lambda_{\max}$ is the largest eigenvalue in the eigenvector equation $K\mathbf{q} = \lambda\mathbf{q}$, subject to $\mathbf{q} \neq 0$.

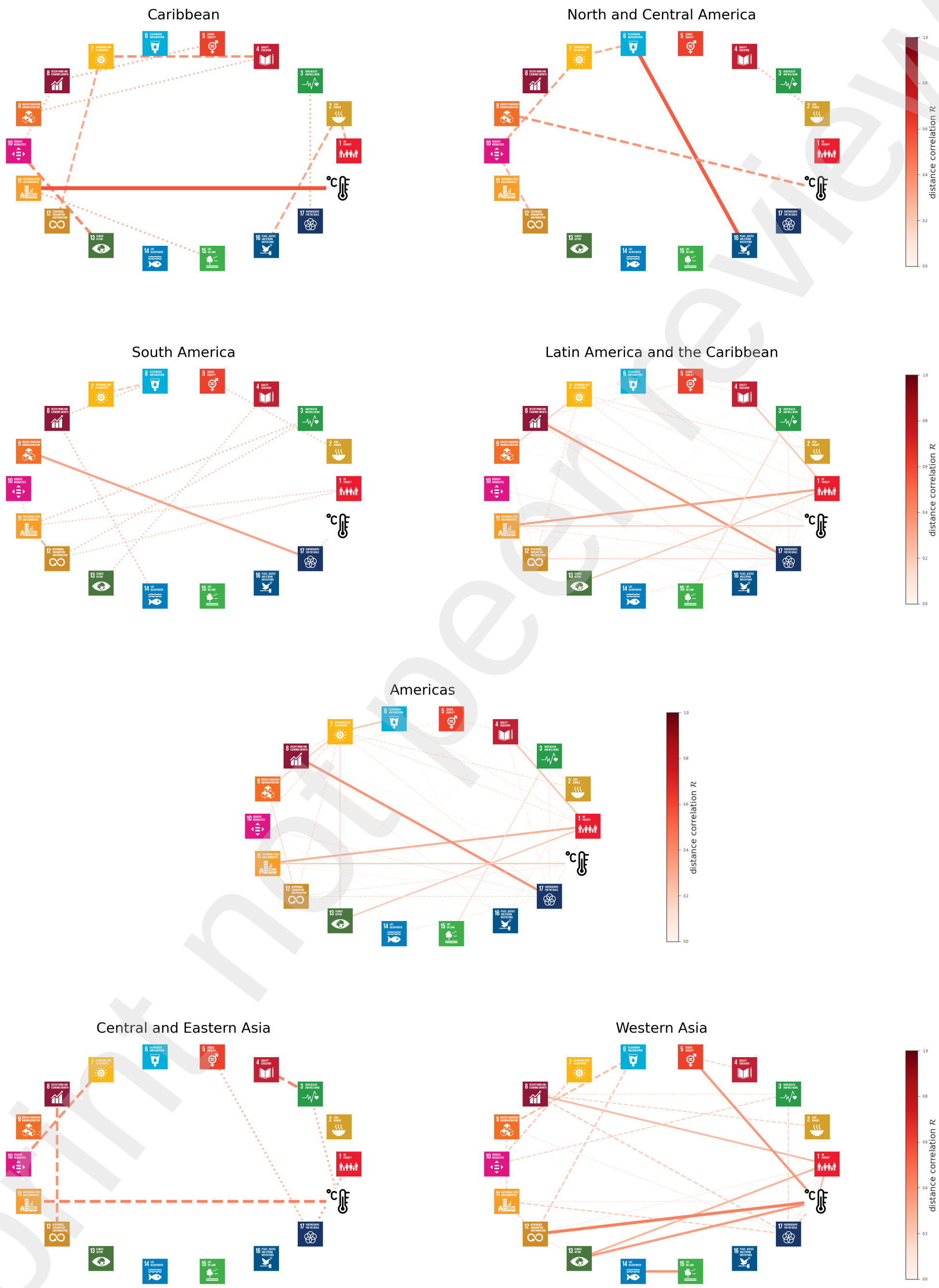
Community detection

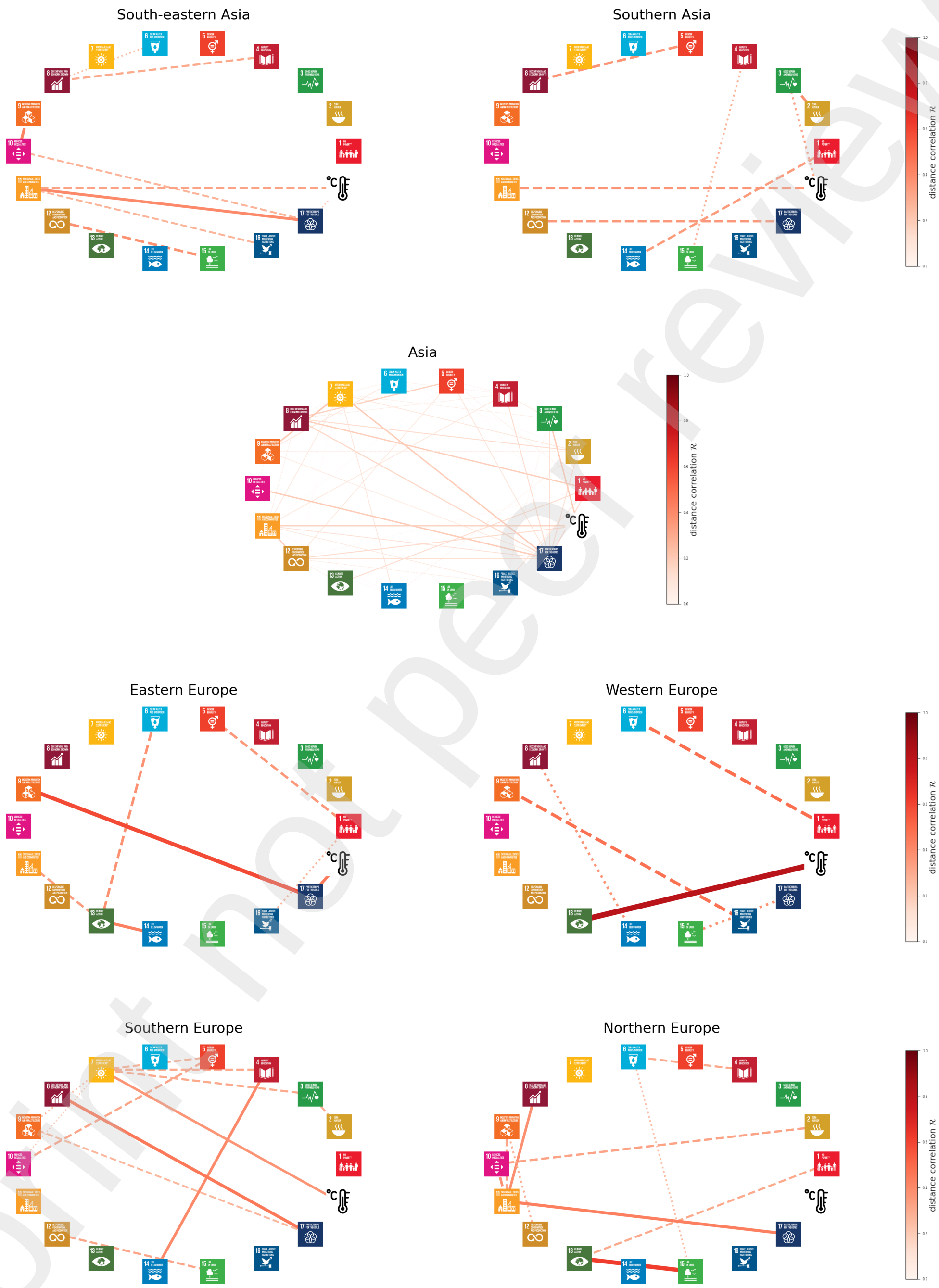
For any network of vertices and edges, $\mathcal{G} := (\boldsymbol{V}, \boldsymbol{E})$, denote by $\mathcal{P} = \mathcal{P}_1, \ldots, \mathcal{P}_p$ a partition of vertices $\boldsymbol{V}$, and call it one clustering of $\mathcal{G}$ with nonempty clusters $\mathcal{P}_i$. The modularity $\mathcal{M}$ is a measure that describes the strength of any such clustering by comparing the sum of its intra-cluster weighted edges against the sum of its inter-cluster ones. It is computed as the fraction between the expected number of randomly distributed edges subtracted from the actual number of edges within clusters and the total weights of edges $m = |\boldsymbol{E}|$. It is defined as

$$\mathcal{M}(\mathcal{P}) := \sum_{\mathcal{P}_i \in \mathcal{P}} \Big[\frac{|E(\mathcal{P}_i)|}{m} - \Big(\frac{|E(\mathcal{P}_i)| + \sum_{\mathcal{P}_j \in \mathcal{P}} |E(\mathcal{P}_i, \mathcal{P}_j)|}{2m}\Big)^2\Big]. \tag{11}$$

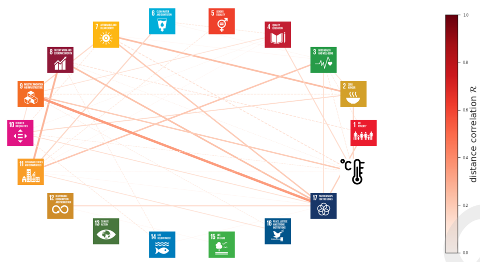
Note that the total number of clusters p does not have to be pre-defined and emerges naturally with the maximisation of the modularity $\mathcal{M}$. We use the Louvain algorithm [29] and randomise the node evaluation order and the community evaluation order 100 times to search over the space of candidate clusterings efficiently and find the candidate with maximum modularity almost surely.


Northern and Western Africa
Southern and Eastern Africa
distance correlation R
Middle Africa
Sub-Saharan Africa
distance correlation R
Africa
distance correlation R

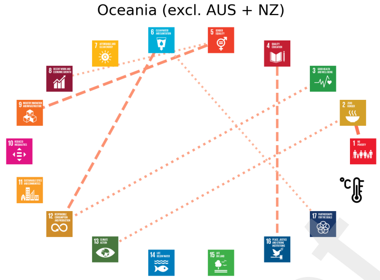

Caribbean
North and Central America
South America
Latin America and the Caribbean
Americas
Central and Eastern Asia
Western Asia
distance correlation R


South-eastern Asia
Southern Asia
distance correlation R
Asia
distance correlation R
Eastern Europe
Western Europe
distance correlation R
Southern Europe
Northern Europe
distance correlation R

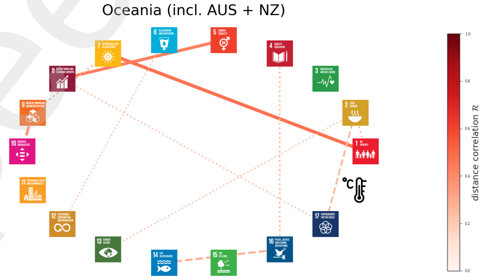
Europe



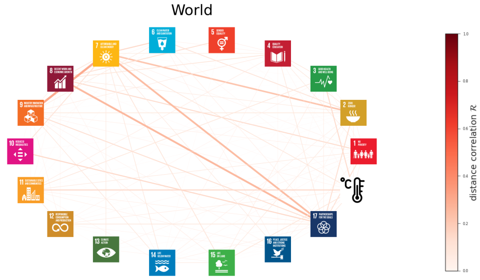
Oceania (excl. AUS + NZ)

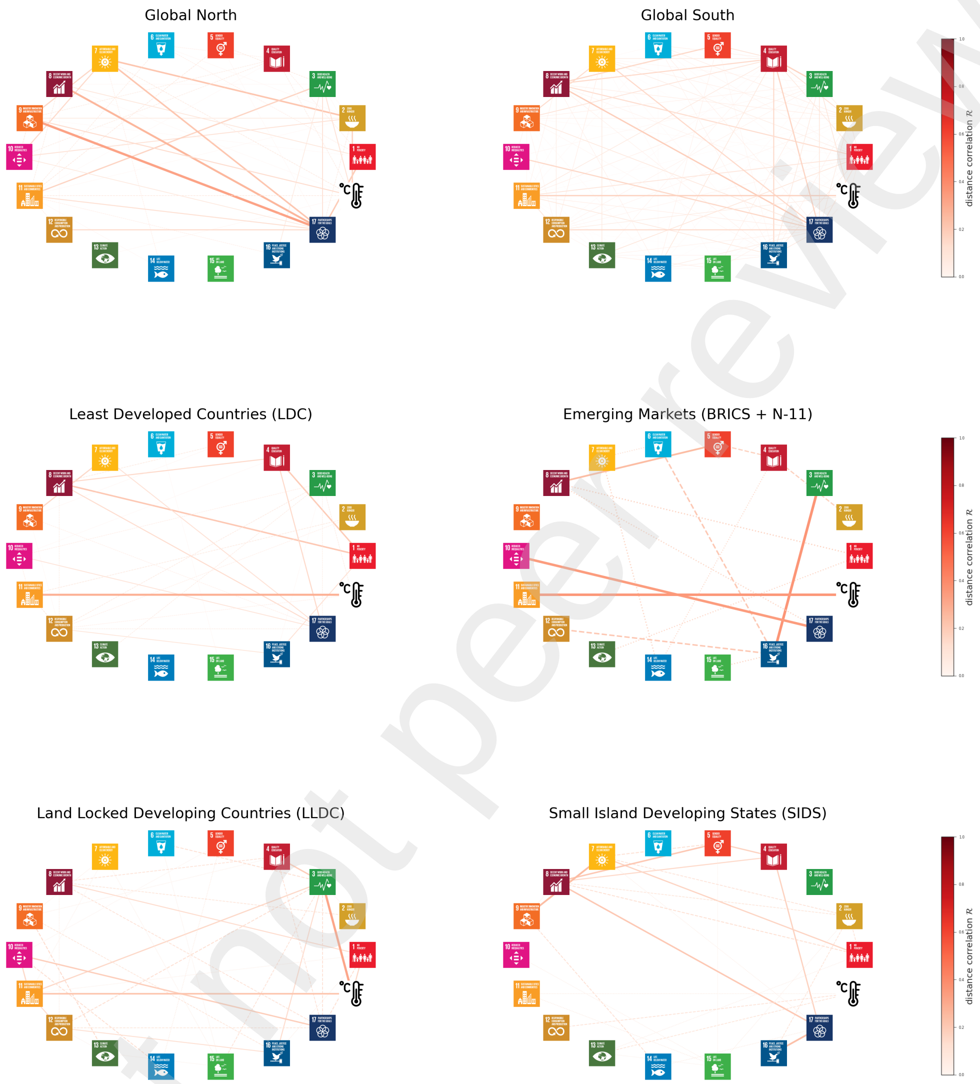


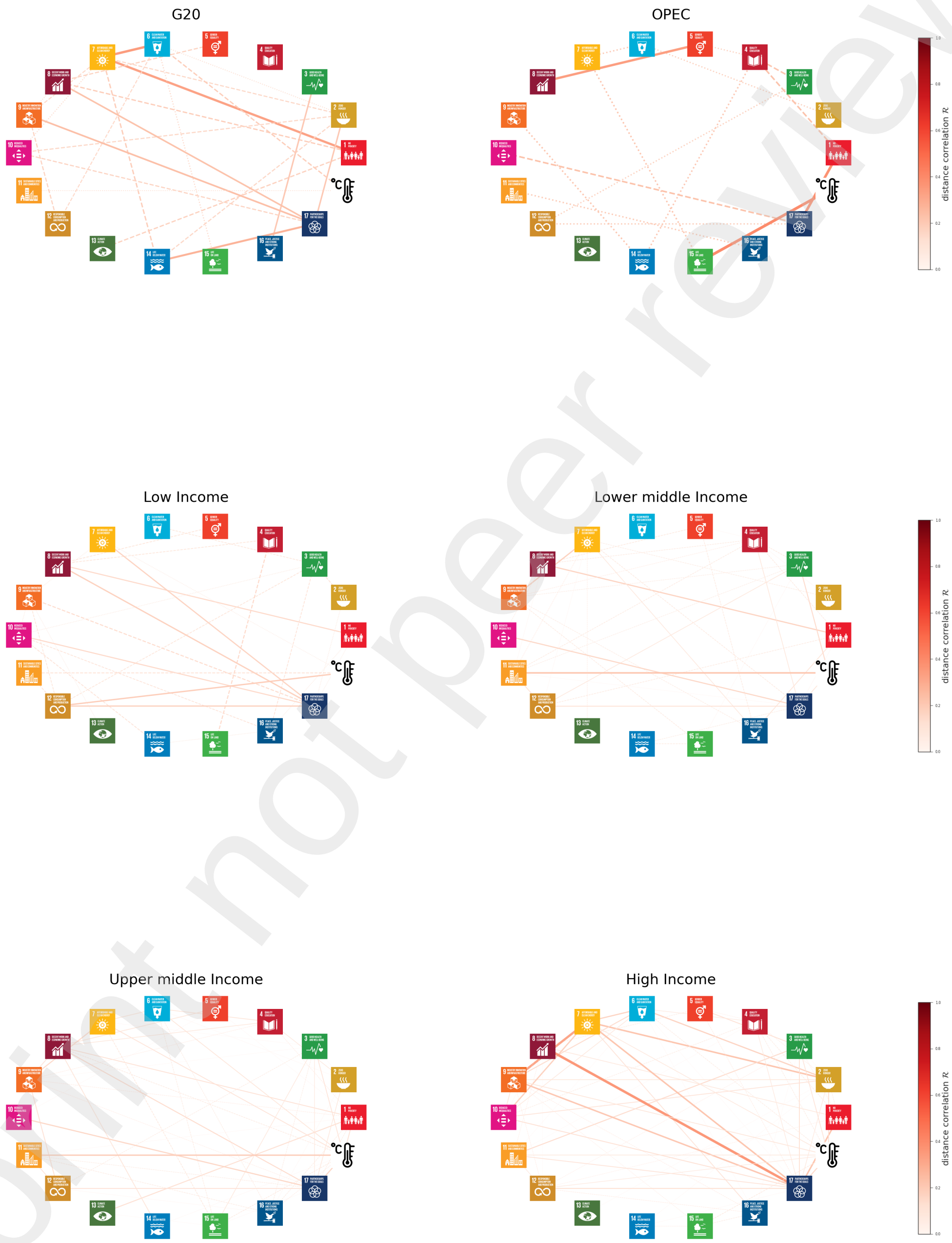
Oceania (incl. AUS + NZ)



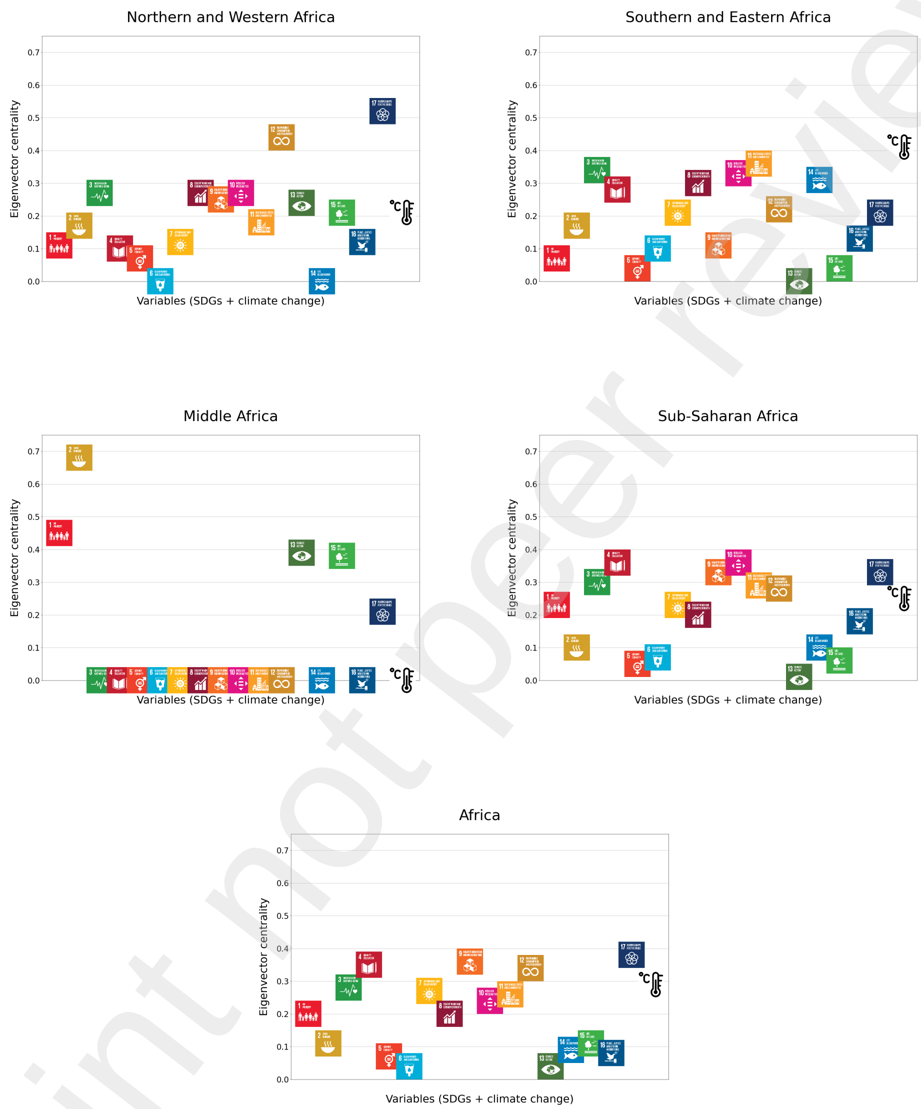
World

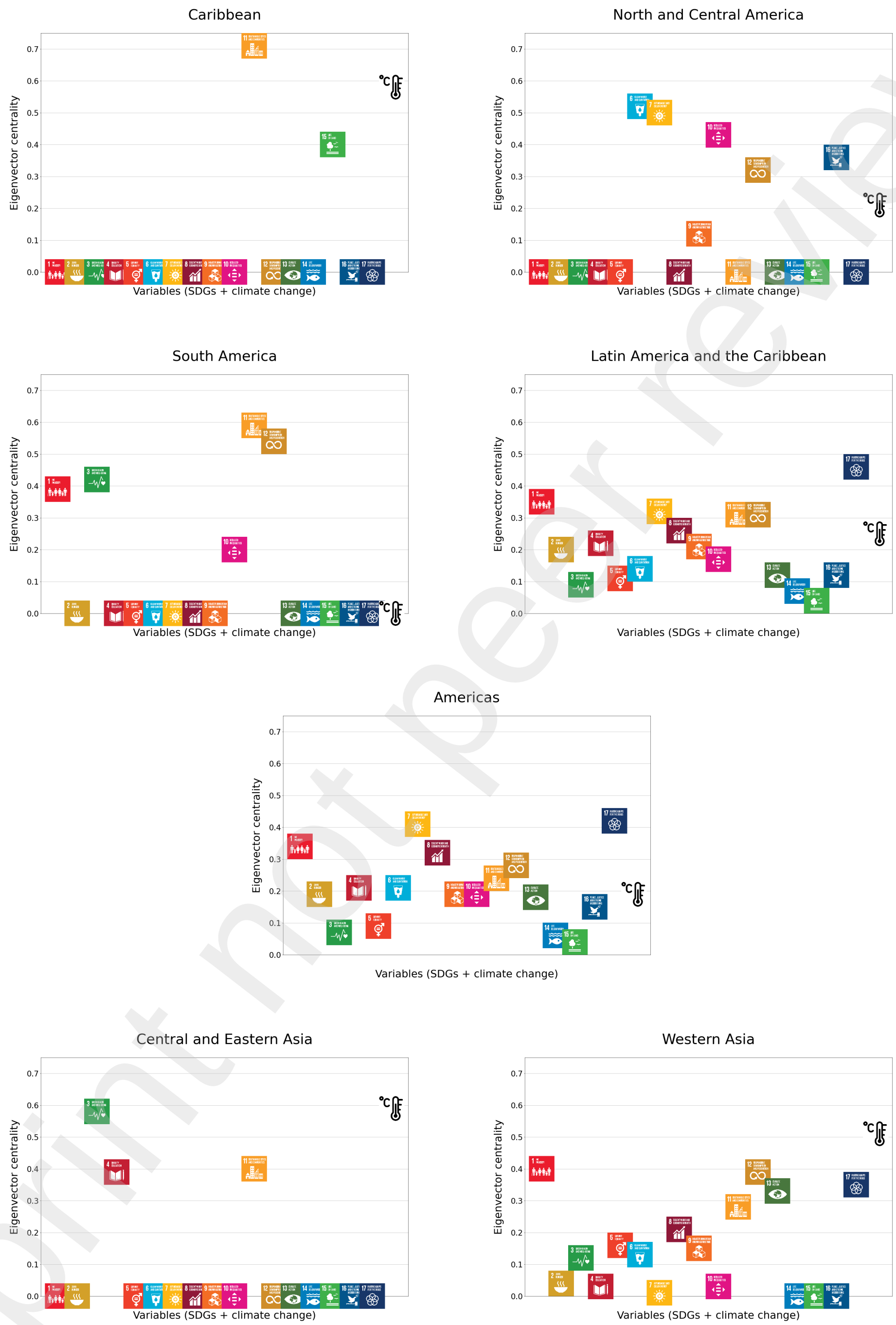



Global North
Global South
Least Developed Countries (LDC)
Emerging Markets (BRICS + N-11)
Land Locked Developing Countries (LLDC)
Small Island Developing States (SIDS)
distance correlation R

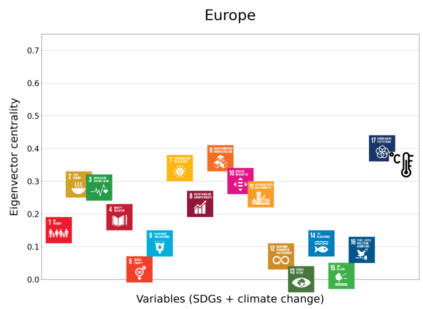

G20
OPEC
Low Income
Lower middle Income
Upper middle Income
High Income
distance correlation R

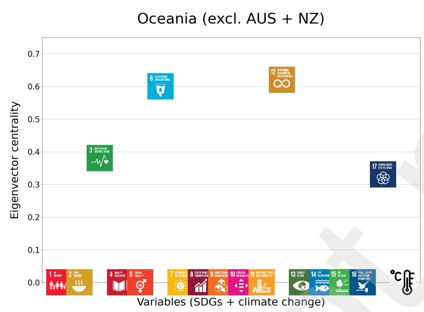
Eigenvector centralities of groupings

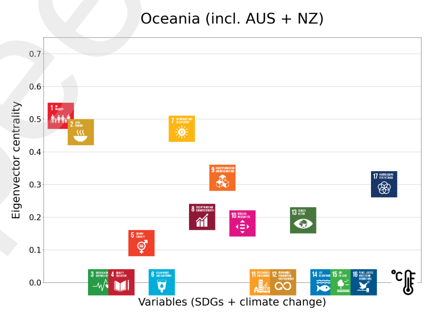


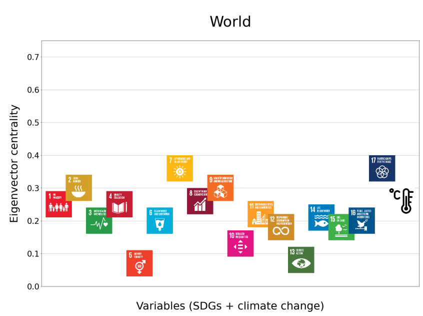

Caribbean
North and Central America
South America
Latin America and the Caribbean
Americas
Central and Eastern Asia
Western Asia
Eigenvector centrality
Variables (SDGs + climate change)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7


South-eastern Asia
Southern Asia
Asia
Eastern Europe
Western Europe
Southern Europe
Northern Europe
Eigenvector centrality
Variables (SDGs + climate change)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7


Europe
Eigenvector centrality
Variables (SDGs + climate change)


Oceania (excl. AUS + NZ)
Eigenvector centrality
Variables (SDGs + climate change)


Oceania (incl. AUS + NZ)
Eigenvector centrality
Variables (SDGs + climate change)

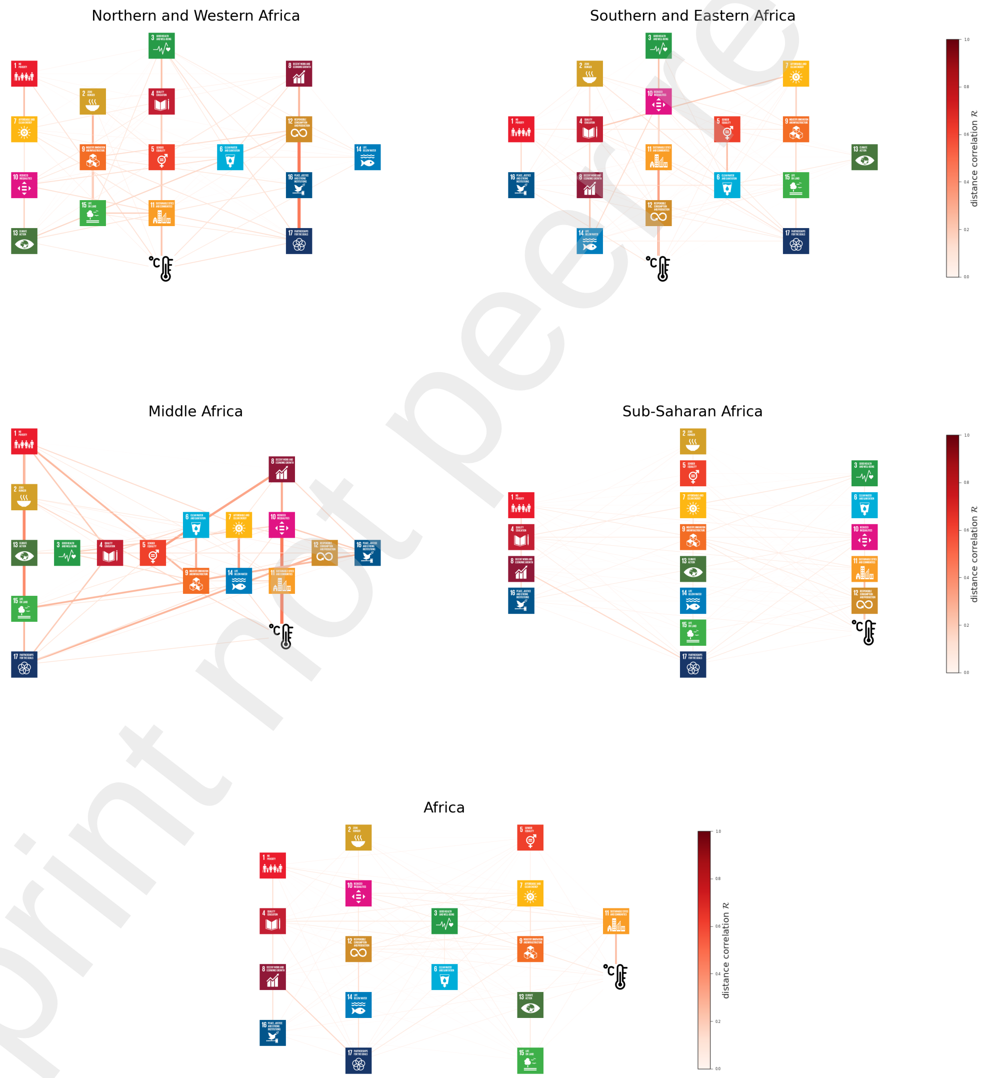

World
Eigenvector centrality
Variables (SDGs + climate change)

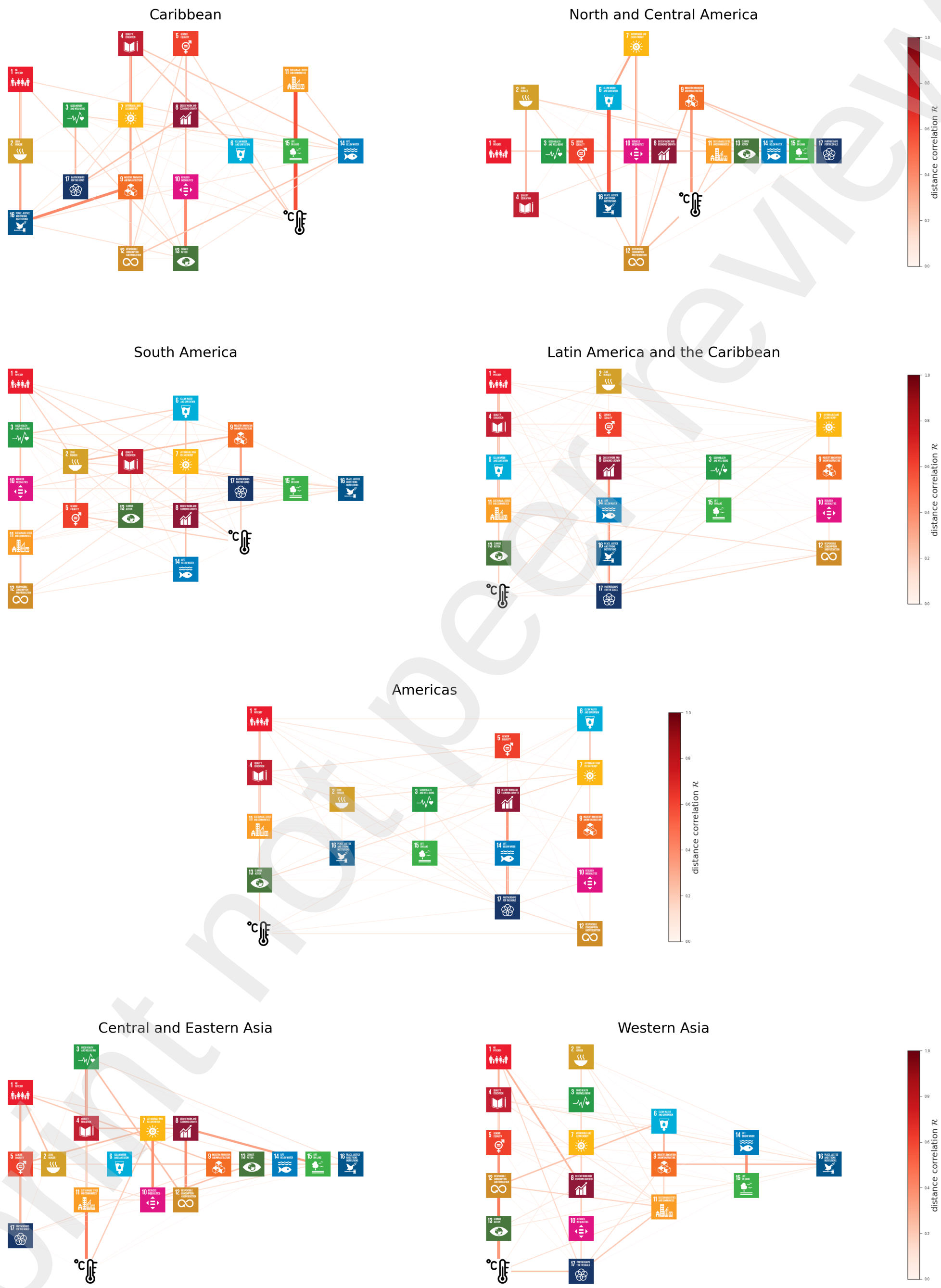

Global North
Global South
Least Developed Countries (LDC)
Emerging Markets (BRICS + N-11)
Land Locked Developing Countries (LLDC)
Small Island Developing States (SIDS)
Eigenvector centrality
Variables (SDGs + climate change)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
°C

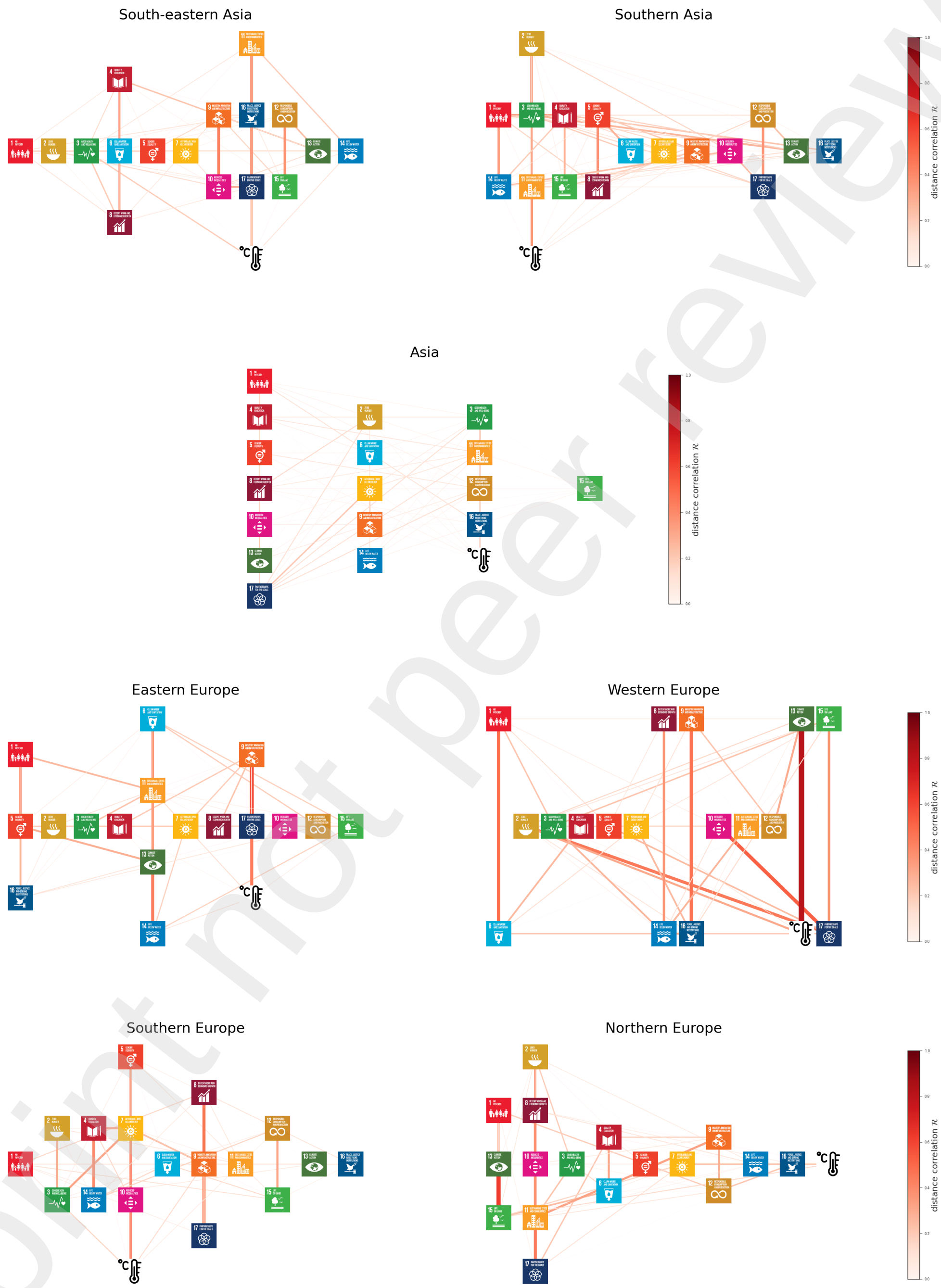

G20
OPEC
Low Income
Lower middle Income
Upper middle Income
High Income
Eigenvector centrality
Variables (SDGs + climate change)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
°C

Nexuses of highly interconnected nodes

In the subsequent plots, vertically aligned nodes belong to one nexus. In Northern and Western Africa, for example, SDGs 1, 7, 10, and 13 are one nexus, SDGs 2, 9, 15 are another, SDGs 3, 4, 5, 11, mean annual temperature are again another, and so forth.

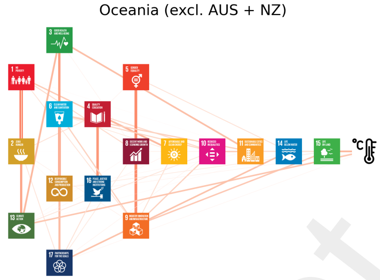



Caribbean
North and Central America
South America
Latin America and the Caribbean
Americas
Central and Eastern Asia
Western Asia
distance correlation R

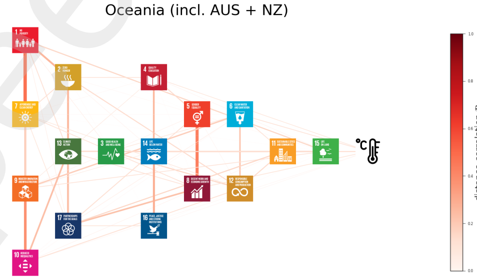

South-eastern Asia
Southern Asia
Asia
Eastern Europe
Western Europe
Southern Europe
Northern Europe
distance correlation R

Europe

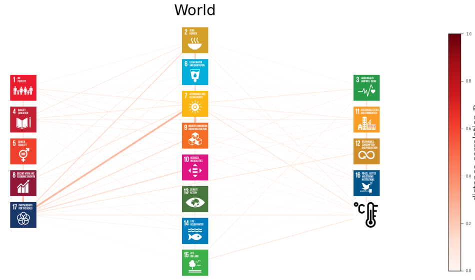
Oceania (excl. AUS + NZ)

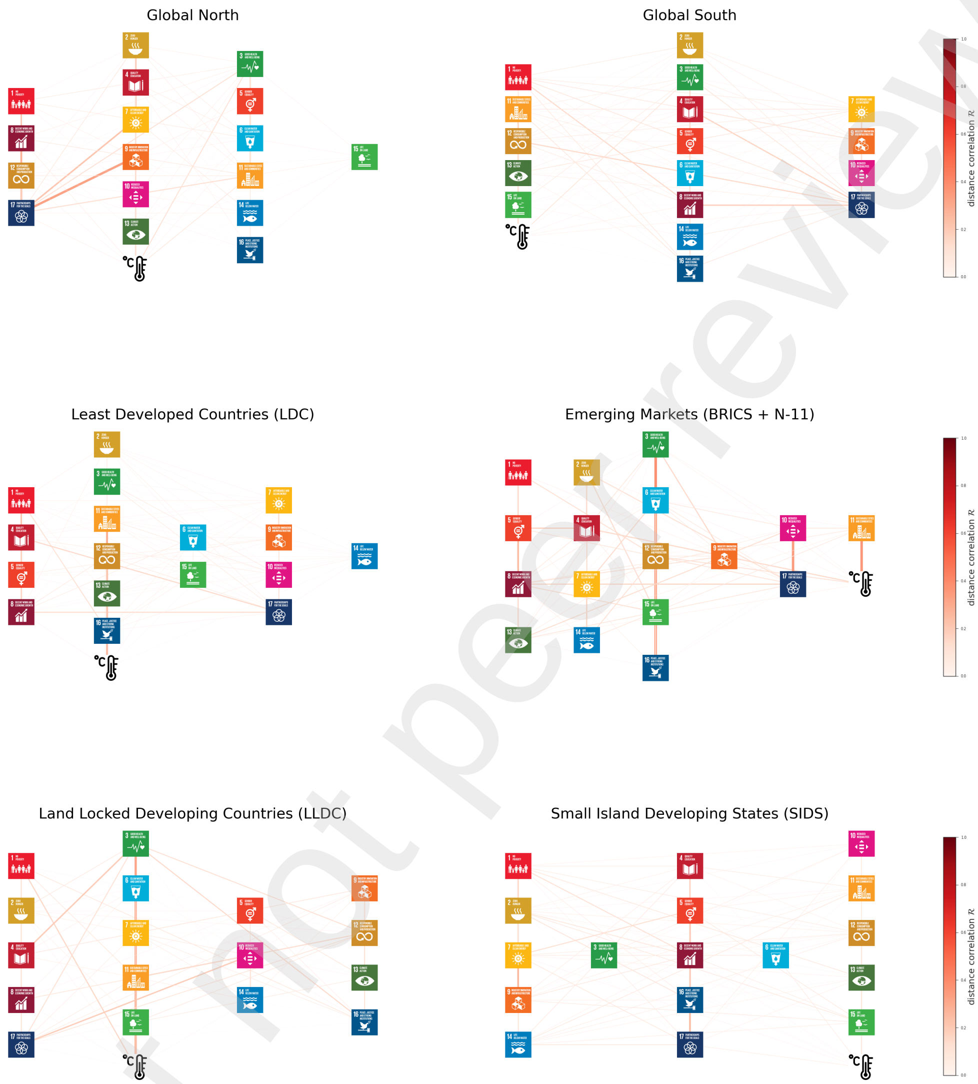


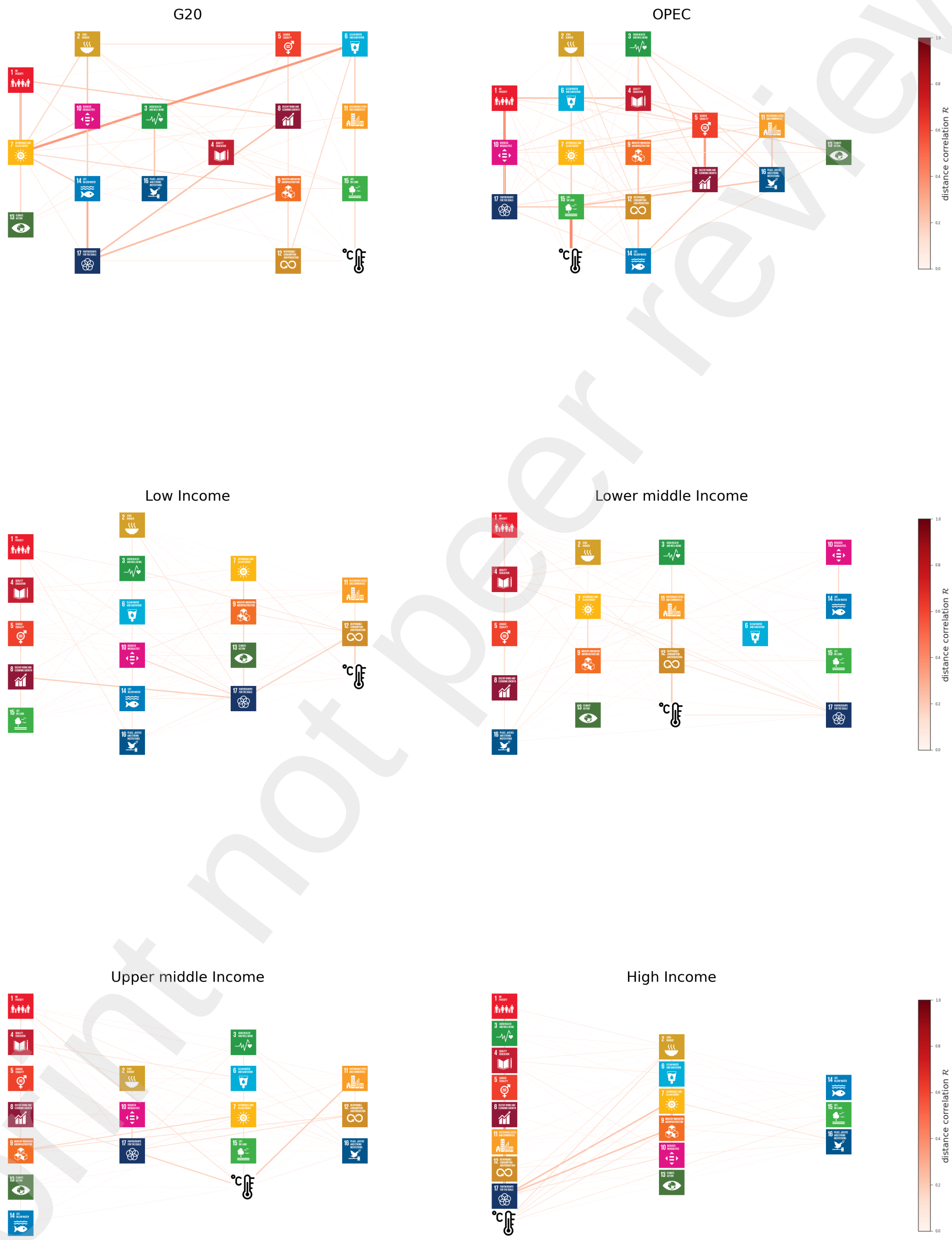
Oceania (incl. AUS + NZ)



World




Global North
Global South
Least Developed Countries (LDC)
Emerging Markets (BRICS + N-11)
Land Locked Developing Countries (LLDC)
Small Island Developing States (SIDS)
distance correlation R


G20
OPEC
distance correlation R
Low Income
Lower middle Income
distance correlation R
Upper middle Income
High Income
distance correlation R

Partial distance correlations with conditional subsets

The subsequent tables show the minimal partial distance correlation (**min dcor**) between any two variables **Var X** and **Var Y**, which are displayed in the first two columns (T stands for our 18^{th} variable, annual mean temperature). The minimal partial distance correlation and its p-value are given in the third and fourth column. In the rightmost column, the conditional subset that resulted in the minimum partial distance correlation over any subset of the remaining 16 variables is given.

Table 3: Northern and Western Africa

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.00388	0.76232	('3', '6', '7', '8', '13', '14')
1	3	0.00116	0.33347	('4', '5', '6', '7', '13', '14', '17', 'T')
1	4	0.00069	0.37426	('3', '7', '10', 'T')
1	5	0.0	0.47665	('2', '6', '7', '8', '12', '13', '14', '17', 'T')
1	6	0.0	0.46745	('7', '8', '10', '12', '14')
1	7	0.0551	0.0074	('3', '4', '10', '12', '14', 'T')
1	8	0.00061	0.36626	('5', '7', '11', '14', '16', '17', 'T')
1	9	0.0	0.47645	('3', '7', '11', '14', '16')
1	10	0.0	0.48415	('2', '5', '6', '8', '12', '13', '15')
1	11	0.0	0.47025	('3', '4', '5', '7', '8', '10', '12', '13', '14', '15', '16', '17')
1	12	0.0	0.47965	('2', '4', '7', '8', '9', '17')
1	13	0.0002	0.40386	('7', '10', '12', 'T')
1	14	0.0	0.47295	('5', '7', '10', '16', 'T')
1	15	0.0	0.46105	('4', '5', '6', '7', '8', '10', '12', '13', 'T')
1	16	0.0	0.48405	('3', '4', '7', '10', '11', '12', '13', '15', 'T')
1	17	0.00011	0.44566	('7', '12', '16', 'T')
1	T	0.01314	0.09359	('3', '4', '5', '7', '11', '16', '17')
2	3	0.0	0.48935	('1', '4', '7', '8', '9', '10', '11', '13', '14', '16', '17')
2	4	0.0	0.49295	('3', '9', '10', '14', '15', '16', 'T')
2	5	0.00626	0.17928	('1', '11', '15', 'T')
2	6	0.00042	0.57994	('1', '5', '10', '12', '14', '15', '16')
2	7	0.0	0.48955	('1', '3', '5', '10', '12', '14', '15')
2	8	0.00222	0.70233	('6', '7', '9', '13', '15')
2	9	0.01883	0.06169	('10', '12', '15')
2	10	0.0	0.47875	('4', '7', '11', '12', '13', '15')
2	11	0.0	0.48175	('5', '12', '15')
2	12	0.0	0.48865	('1', '3', '4', '10', '11', '13', '15', '16', '17', 'T')
2	13	0.0	0.48155	('1', '3', '5', '6', '9', '10', '14', '15', '16', 'T')
2	14	0.00047	0.58934	('9', '12', 'T')
2	15	0.07277	0.0031	('5', '9', '11', '17', 'T')
2	16	0.0	0.49955	('1', '4', '6', '10', '14', '15', '17')
2	17	0.00042	0.39646	('1', '9', '10', '11', '12', '15', 'T')
2	T	0.00227	0.27757	('3', '5', '9', '11', '12', '15', '16', '17')
3	4	0.03746	0.016	('1', '5', '6', '7', '10', '12', 'T')
3	5	0.00473	0.21128	('1', '2', '4', '11', '12', '14', '15', 'T')
3	6	0.00556	0.19298	('1', '10', '16')
3	7	0.00045	0.39116	('1', '4', '10', '12', '13', '14', 'T')
3	8	0.0	0.47895	('1', '2', '4', '6', '7', '9', '10', '12', '15', '17', 'T')
3	9	0.00017	0.53615	('13', '14', '16', 'T')
3	10	0.0	0.47225	('5', '13', '14', '15', '16', 'T')
3	11	0.0	0.48045	('1', '6', '8', '12', '15', '17', 'T')
3	12	0.00091	0.35826	('1', '4', '5', '13', '15', '17', 'T')
3	13	0.00025	0.39366	('1', '5', '7', '10', '12', 'T')
3	14	0.0051	0.19048	('1', '5', '7', '13', 'T')
3	15	0.00734	0.15248	('1', '2', '4', '5', '11', '12', '13', '14', '17', 'T')
3	16	0.00525	0.79332	('5', '6', '12', '13', 'T')
3	17	0.01378	0.08459	('1', '5', '12', '13', '14', '15', 'T')
3	T	0.0495	0.0099	('1', '4', '5', '6', '11', '12', '13', '15', '16', '17')
4	5	0.0004	0.40106	('1', '2', '3', '10', '11', '16')
4	6	0.0	0.47295	('3', '9', '11', '12', '13', '16', 'T')
4	7	0.00677	0.17128	('1', '2', '3', '10')
4	8	4e-05	0.51765	('2', '3', '6', '7', '10', '13')
4	9	0.00068	0.36206	('2', '3', '7', '10', '12', '15')
4	10	0.00504	0.20328	('3', '7', '9', '12')
4	11	0.00208	0.68863	('7', '10')
4	12	0.0	0.47975	('1', '2', '3', '6', '7', '14', '15', '17')
4	13	0.00171	0.66353	('2', '3', '5', '6', '8', '9', '11', '16', 'T')
4	14	0.0	0.47815	('1', '7', '9', '10', '11', '15')
4	15	0.0	0.46345	('1', '2', '6', '9', '10', '11', '17')
4	16	0.0	0.49975	('3', '5', '6', '7', '9', '10', 'T')
4	17	0.0	0.47485	('2', '5', '7', '8', '9', '10', '11', '13', '14', '15', 'T')
4	T	0.0	0.46735	('1', '2', '3', '7', '9', '10', '11', '12', '16')
5	6	0.00719	0.84392	('1', '2', '8', '10', '11', '12', '14', '15')
5	7	0.00391	0.75312	('11', 'T')
5	8	0.00857	0.14049	('1', '11', '16', 'T')
5	9	0.0	0.46715	('1', '2', '11', '15')
5	10	0.00045	0.56934	('7', '16')
5	11	0.0366	0.0203	('1', '2', '12', '15', 'T')
5	12	1e-05	0.47635	('1', '2', '3', '9', '11', '14', '15', '17', 'T')
5	13	0.0	0.46065	('1', '2', '3', '6', '7', '12', '14', '15')
5	14	0.00864	0.14149	('2', '3', '7', '8', '11', '13', '15')
5	15	0.0001	0.43346	('1', '2', '11', 'T')
5	16	6e-05	0.53035	('2', '3', '9', '11', '12')
5	17	0.0	0.48725	('1', '2', '9', '13', '14', '16')
5	T	0.0	0.47315	('2', '3', '4', '8', '11', '12', '13', '15')
6	7	0.0	0.48325	('3', '9', '13', '15')
6	8	0.01379	0.92531	('1', '5', '10', '16', 'T')
6	9	0.0	0.47145	('1', '2', '3', '7', '10', '17')
6	10	0.01405	0.92491	('1', '2', '4', '5', '7', '8', '9', '12', '13', '14')
6	11	0.00013	0.41166	('1', '3', '15', '16', 'T')
6	12	0.00086	0.60634	('1', '2', '5', '8', '9', '10', '14', '15', '17', 'T')
6	13	0.0	0.45705	('7', '12', '14')
6	14	0.00189	0.66563	('1', '5', '10', '16')
6	15	0.0	0.45155	('3', '4', '8', '9', '12', '14', '16', 'T')
6	16	0.0	0.49875	('1', '2', '8', '10', '11', '14', '15', 'T')
6	17	0.0	0.47025	('1', '3', '4', '10', '11')
6	T	0.0	0.45575	('5', '7', '10', '11', '12', '13', '14', '17')
7	8	0.00171	0.67183	('5', '11', '16', 'T')
7	9	0.00032	0.38886	('1', '2', '10', '12', '14')
7	10	0.01398	0.09129	('1', '4', '9', '12', '13', '14')
7	11	0.00893	0.87121	('5', '16', 'T')
7	12	3e-05	0.45115	('1', '2', '3', '4', '9', '10', '13', '14', '17')
7	13	0.00812	0.13899	('1', '10')
7	14	0.00102	0.33217	('1', '3', '10', '13')
7	15	0.0	0.45545	('1', '5', '11', '13', '16', 'T')
7	16	1e-05	0.51725	('5', '8', '11', 'T')
7	17	0.0	0.47455	('2', '4', '6', '9', '11', '13', '14', '16')
7	T	0.00197	0.68283	('11',)
8	9	0.0	0.46275	('2', '6', '7', '15', 'T')
8	10	0.0	0.47555	('6', '12', '16', '17')
8	11	0.00025	0.40276	('1', '5', '16', 'T')
8	12	0.0	0.47735	('2', '3', '5', '6', '7', '9', '10', '11', '13', '17')
8	13	0.00247	0.70113	('16', 'T')
8	14	0.00104	0.31737	('1', '5', '16')
8	15	0.0	0.45945	('2', '3', '6', '7', '9', '13', '14')
8	16	0.07913	0.0015	('6', '7', '9', '13')
8	17	0.05868	0.0081	('1', '5', '12', '16', 'T')
8	T	0.0	0.46865	('1', '3', '5', '11', '16', '17')
9	10	0.00724	0.16428	('2', '7', '12', '17')
9	11	0.0	0.46055	('4', '6', '7', '10', '13', '14')
9	12	0.01578	0.07949	('2', '5', '7', '10', '15', '17')
9	13	0.00016	0.51585	('2', '4', '6', '11', '15', '16', 'T')
9	14	3e-05	0.49235	('2', '12', 'T')
9	15	0.01446	0.08869	('1', '2', '12')
9	16	0.00755	0.84842	('2', '5', '6', '7', '12')
9	17	0.00995	0.12199	('1', '2', '10', '12', '15')
9	T	0.0	0.46725	('3', '11', '13', '16')
10	11	4e-05	0.50685	('1', '5', '6', '15', '16', 'T')
10	12	0.00102	0.33797	('1', '7', '9', '17')
10	13	0.03059	0.0342	('1', '7', '12')
10	14	0.0	0.46485	('1', '2', '3', '6', '15', '16')
10	15	0.0	0.44466	('1', '2', '3', '5', '6', '8', '11', '14', '17', 'T')
10	16	0.0	0.49225	('1', '4', '8', 'T')
10	17	0.01439	0.08399	('1', '7', '9', '12', '16', 'T')
10	T	0.0	0.47095	('1', '3', '5', '6', '13', '16')
11	12	0.00236	0.28277	('1', '5', '13', '15', '16', '17', 'T')
11	13	0.00973	0.89071	('T',)
11	14	0.0	0.46115	('1', '4', '6', '8', '9', '10', '13', '17')
11	15	0.03	0.0373	('1', '2', '5', '12', '16', 'T')
11	16	0.0	0.48945	('5', '8', '10', '12', '15', 'T')
11	17	0.0	0.48535	('1', '2', '3', '5', '6', '10', '12', '14', '15', '16', 'T')
11	T	0.04369	0.0149	('1', '2', '3', '5', '12', '15', '16')
12	13	0.02213	0.05339	('1', '3', '7', '10', '17')
12	14	0.00245	0.69783	('T',)
12	15	0.0	0.44466	('1', '2', '3', '4', '5', '13', '14', '16', '17')
12	16	0.00337	0.74103	('3', '5', '7', '9', '13', 'T')
12	17	0.19146	0.0001	('1', '2', '3', '9', '10', '11', 'T')
12	T	0.01044	0.11719	('2', '3', '11', '17')
13	14	9e-05	0.48935	('12', 'T')
13	15	0.0	0.42256	('2', '4', '6', '9', '11', '16')
13	16	0.00882	0.86251	('2', '4', '6', '8', '11', '14', 'T')
13	17	0.0	0.46375	('3', '7', '12', '14', 'T')
13	T	0.005	0.79332	('11', '16')
14	15	0.0	0.43986	('3', '5', '6', '9', '13', '17', 'T')
14	16	0.0	0.49725	('2', '5', '8', '9', '11')
14	17	0.0	0.47165	('1', '2', '3', '8', '9', '13', '16', 'T')
14	T	0.00553	0.80812	('12', '16')
15	16	0.0	0.46725	('5', '6', '7', '8', '9', '10', 'T')
15	17	0.00708	0.16048	('1', '2', '3', '9', '10', '11', '12', '16', 'T')
15	T	0.0	0.43496	('1', '3', '7', '11', '13', '16', '17')
16	17	0.0	0.49325	('1', '2', '4', '7', '9', '14', '15', 'T')
16	T	0.0	0.47775	('8', '9', '11', '13', '14', '15', '17')
17	T	0.0116	0.10299	('1', '2', '3', '10', '11', '12', '16')

Table 4: Southern and Eastern Africa

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.00288	0.77922	('5', '9', '16', 'T')
1	3	0.00026	0.39006	('5', '9', '10', '11', '13', '16', 'T')
1	4	0.0	0.48495	('2', '3', '6', '7', '11', '13', '15')
1	5	0.00736	0.10629	('6', '7', '9', '11', '13', '16', 'T')
1	6	0.0	0.47755	('3', '4', '5', '8', '14', '16')
1	7	0.0	0.47715	('2', '5', '9', '13', '16', 'T')
1	8	0.00652	0.12259	('4', '5', '9', '11', '13', '14', '16', 'T')
1	9	0.00841	0.09559	('5', '7', '11', '13', '16', 'T')
1	10	9e-05	0.42306	('3', '5', '9', '11', '13', '14', '16', 'T')
1	11	0.00064	0.33307	('T',)
1	12	0.0006	0.62924	('2', '4', '15', 'T')
1	13	0.0	0.47625	('6', '9', '10', '11', '16', 'T')
1	14	0.0	0.46875	('3', '5', '6', '7', '9', '11', '13', '15', 'T')
1	15	0.0	0.45795	('5', '6', '8', '10', '11', '13', '14', '16', 'T')
1	16	0.02123	0.0217	('T',)
1	17	0.0	0.48025	('5', '7', '8', '9', '10', '11', '12', '13', '16', 'T')
1	T	0.00172	0.26627	('3', '5', '9', '10', '11', '13', '16')
2	3	0.0	0.47485	('1', '8', '9', '10', '11', '12', '14', '15', '17')
2	4	0.00565	0.13629	('7', '8', '10', '13', '14', '15', '17')
2	5	0.00109	0.66513	('1', '6', '9', '12', '16')
2	6	0.00119	0.67583	('4', '10', '11', '13', '14', '15')
2	7	0.0	0.48225	('1', '3', '4', '12', '13', '14', '15', '16')
2	8	0.03028	0.0116	('4', '13', '14', '17')
2	9	0.00458	0.84412	('1', '5', '7', '12', '15', '16', 'T')
2	10	0.0	0.46505	('3', '4', '5', '9', '13', '14', '15', 'T')
2	11	0.0	0.46995	('3', '5', '10', '12', '17')
2	12	0.00316	0.78782	('5', '9', '10', '16', 'T')
2	13	0.0001	0.39556	('3', '4', '5', '14', '16', '17')
2	14	0.00524	0.14659	('4', '8', '10', '13', '17')
2	15	0.0	0.46225	('1', '8', '13', '14', '17', 'T')
2	16	0.00233	0.74913	('1', 'T')
2	17	0.01085	0.07279	('4', '7', '8', '10', '11', '13', '14')
2	T	0.0	0.46805	('1', '9', '10', '12', '16')
3	4	0.0	0.46945	('2', '5', '7', '9', '10', '11', '13', '16')
3	5	0.0	0.47285	('2', '4', '6', '10', '11', '14')
3	6	0.00404	0.16918	('5', '10', 'T')
3	7	0.0	0.47535	('2', '4', '8', '9', '12', '13', '14', '15', '17')
3	8	0.0	0.46395	('1', '4', '5', '6', '10', '11', '13', '14')
3	9	0.004	0.17388	('1', '7', '10', '11', '12', '15', 'T')
3	10	0.02305	0.0247	('1', '11', '12', '14', 'T')
3	11	0.00529	0.14729	('T',)
3	12	0.01582	0.0412	('T',)
3	13	0.0	0.46015	('1', '2', '5', '7', '10', '11', '12', '14', '16', 'T')
3	14	0.0	0.47025	('2', '4', '8', '9', '10', '11', '13', '15', '17')
3	15	0.0	0.44746	('2', '6', '7', '11', '13', '14', '16')
3	16	0.00012	0.42596	('1', '10', '11', '12', 'T')
3	17	0.0	0.47675	('1', '2', '5', '6', '10', '11', '13', 'T')
3	T	0.04673	0.0032	('1', '10', '11', '12', '16')
4	5	0.0	0.47335	('1', '2', '7', '9', '11', '13', '15', '16', 'T')
4	6	0.00658	0.88321	('2', '10', '11', '12', '13', '14', '15', 'T')
4	7	0.03125	0.0066	('2', '5', '8', '9', '10', '12', '14', '16', '17', 'T')
4	8	0.02792	0.0111	('1', '2', '7', '12', '13', '14')
4	9	0.00019	0.40246	('1', '7', 'T')
4	10	0.0	0.48695	('1', '3', '5', '12', '13', '14', '15', '16', '17', 'T')
4	11	0.0	0.48285	('1', '3', '5', '6', '7', '9', '13', '14', '15', '16')
4	12	0.00418	0.16948	('3', '5', '7', '8', '9', '10', '11', '14', '16', '17', 'T')
4	13	0.0	0.46825	('1', '5', '9', '12', '14')
4	14	0.01892	0.0297	('2', '7', '8', '10', 'T')
4	15	0.0	0.47635	('1', '3', '7', '8', '9', '12', '13', '16')
4	16	0.00011	0.55474	('2', '8', '9', '13', '17')
4	17	0.00205	0.24938	('2', '7', '11', '12', '13', '14')
4	T	0.0	0.48925	('3', '7', '8', '9', '10', '11', '12', '13', '14', '16')
5	6	0.0537	0.0034	('1', '7')
5	7	0.00129	0.29197	('1', '4', '6', '9', '12', '16')
5	8	0.0	0.47055	('2', '4', '10', '11', '12', '13', '14', '15', '17')
5	9	0.00023	0.37766	('1', '3', '4', '6', '7', '13', '15', '16', 'T')
5	10	0.00029	0.56764	('2', '11', '14', 'T')
5	11	2e-05	0.48735	('T',)
5	12	0.00011	0.41786	('3', '4', '6', '7', '9', '16', 'T')
5	13	0.00271	0.20038	('1', '7', '12', '14', '16')
5	14	0.00184	0.71923	('1', '6', '9', '12', '15')
5	15	0.00019	0.36516	('1', '9', '13', '16')
5	16	0.0	0.47305	('2', '3', '4', '6', '9', '13', '14', '15', '17', 'T')
5	17	0.0	0.47885	('1', '2', '11', '13', '14')
5	T	0.00236	0.74333	('2', '10', '11', '14', '16')
6	7	0.00175	0.26757	('1', '5', '8', '9', '13', 'T')
6	8	0.01142	0.06879	('1', '5', '7', '13', '14')
6	9	0.0	0.48205	('1', '4', '10', '11', '15', '16', 'T')
6	10	0.00083	0.64254	('4', '11', '12', '13', '14', '15', '16', 'T')
6	11	0.00085	0.64324	('10', '13', 'T')
6	12	0.0	0.47315	('4', '11', '13', '14', '16', 'T')
6	13	0.00633	0.88701	('2', '4', '11', '12', '14', '15', '16')
6	14	0.0	0.46575	('2', '4', '10', '11', '12', '13', '17', 'T')
6	15	0.00501	0.86041	('1', '5', '8', '14')
6	16	0.00025	0.56054	('1', '10', '11', '12', '15', 'T')
6	17	0.0	0.47575	('1', '5', '7', '9', '14', '15', '16')
6	T	0.0	0.46765	('4', '7', '11', '12', '15', '16')
7	8	0.00029	0.38686	('1', '2', '4', '6', '9', '12', '14', '17', 'T')
7	9	0.04218	0.0042	('1', '3', '4', '5', '12', '15', '16', '17', 'T')
7	10	0.0	0.47915	('1', '2', '9', '12', '13', '14', '16', '17')
7	11	0.0	0.47255	('1', '3', '4', '5', '9', '10', '12', '14', '16')
7	12	0.00055	0.34227	('3', '4', '5', '9', '10', '16', '17', 'T')
7	13	0.0	0.46765	('1', '2', '3', '4', '5', '8', '10', '14', '17')
7	14	0.0	0.47305	('2', '8', '10', '13', '16', '17', 'T')
7	15	0.0	0.47075	('2', '3', '4', '5', '8', '9', '11', '12', '17', 'T')
7	16	0.0	0.48665	('1', '3', '5', '6', '10', '11', '13', '17', 'T')
7	17	0.02108	0.0243	('1', '2', '4', '9', '10', '11', '12', '14')
7	T	0.00127	0.29467	('1', '3', '4', '9', '11', '12', '16')
8	9	0.0	0.48285	('1', '2', '3', '4', '6', '7', '12', '14', '15', '17')
8	10	0.0	0.47085	('11', '15', '16')
8	11	0.00028	0.57454	('10', '15', '16', 'T')
8	12	0.00059	0.35046	('3', '4', '5', '7', '13', '14', '17', 'T')
8	13	0.0	0.47005	('1', '2', '6', '9', '16')
8	14	0.0429	0.0042	('1', '2', '4', '10', '13')
8	15	0.00692	0.90181	('1', '2', '4', '6', '10', '12', '13', '14')
8	16	0.00086	0.65053	('2', '4', '6', '13', '17')
8	17	0.00515	0.15128	('1', '2', '4', '7', '11', '12', '13', '14')
8	T	0.0	0.45975	('1', '10', '12', '15', '16')
9	10	0.0	0.46255	('1', '3', '4', '6', '7', '8', '11', '16', 'T')
9	11	0.0	0.46355	('1', '2', '3', '4', '7', '12', '13', '17')
9	12	2e-05	0.44076	('3', '4', '5', '7', '13', '16', 'T')
9	13	0.0	0.45695	('1', '2', '3', '4', '5', '7', '10', '11', '14', '15', '16', '17', 'T')
9	14	0.00025	0.56134	('1', '5', '15', 'T')
9	15	0.02363	0.0274	('2', '14')
9	16	0.0	0.47205	('1', '2', '3', '5', '6', '7', '11', '12', '14', '15', 'T')
9	17	0.0	0.47125	('3', '4', '5', '7', '11', '12', '13', '16', 'T')
9	T	0.00234	0.22558	('1', '3', '7', '11', '12', '13', '15', '16')
10	11	0.02364	0.0232	('3', '12', '13', '14', '16', '17', 'T')
10	12	0.00485	0.15598	('3', '7', '11', '14', '16', '17', 'T')
10	13	0.00013	0.52265	('3', '6', '11', 'T')
10	14	0.01571	0.0476	('2', '3', '4', '11', '13', '16', '17', 'T')
10	15	0.00266	0.76102	('3', '6', '11', '12', '13', '14', '17', 'T')
10	16	0.0031	0.20398	('1', '11', '12', '14', 'T')
10	17	0.00586	0.13889	('2', '7', '11', '12', '13', '14')
10	T	0.0	0.47205	('1', '3', '7', '9', '11', '12', '13', '14', '15', '16')
11	12	0.00014	0.55714	('T',)
11	13	5e-05	0.40836	('1', '2', '3', '5', '10', '14', '16', 'T')
11	14	0.0	0.46395	('1', '2', '3', '8', '9', '13', '15', '17', 'T')
11	15	0.0	0.45145	('1', '3', '5', '9', 'T')
11	16	0.00097	0.30887	('T',)
11	17	0.00934	0.09059	('1', '2', '3', '7', '10', '12', '13', '14', '16', 'T')
11	T	0.1051	0.0002	('1', '3', '10', '12', '13', '16')
12	13	0.00012	0.39166	('3', '5', '7', '14', '16', 'T')
12	14	7e-05	0.51655	('1', '2')
12	15	0.00212	0.73403	('3', '4', '6', '7', '8', '10', '11', '17', 'T')
12	16	0.00317	0.19788	('T',)
12	17	0.00468	0.15468	('3', '4', '7', '10', '11', '13', 'T')
12	T	0.01352	0.05679	('3', '7', '11')
13	14	0.00069	0.31237	('2', '3', '4', '5', '10', '16')
13	15	0.0006	0.59204	('2', '5', '10', '12', '14')
13	16	0.0	0.46075	('1', '2', '5', '11', '12', '14', '15')
13	17	0.0	0.46495	('2', '8', '9', '10', '11', '14', 'T')
13	T	1e-05	0.48115	('3', '6', '9', '10', '11', '15')
14	15	0.00294	0.78872	('2', '4', '6', '8', '10', '17', 'T')
14	16	4e-05	0.43046	('10', 'T')
14	17	0.00405	0.17208	('2', '4', '7', '8', '10', '11', '13')
14	T	0.0	0.45905	('2', '3', '5', '9', '12', '15')
15	16	0.00182	0.24458	('1', '5', '9', '10', '11', 'T')
15	17	0.00042	0.58744	('1', '2', '4', '6', '7', '8', '10', '11', '12', '13', '14')
15	T	0.0	0.44926	('1', '2', '3', '5', '7', '9', '11', '13', '14')
16	17	0.00011	0.55064	('2', '7', '8', '13')
16	T	0.00812	0.09979	('1', '11', '12')
17	T	0.0	0.48745	('2', '3', '5', '6', '11', '12', '14', '15')

Table 5: Middle Africa

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.33401	0.0463	('3', '4', '5', '7', '8', '12', '13', '14', '15', '16', '17')
1	3	0.0	0.49105	('2', '11', '12', '13', 'T')
1	4	0.19398	0.16388	('2', '3', '7', '13', '15', '17')
1	5	0.0	0.49345	('2', '11', '12', '13', '14', '15', '16', '17')
1	6	0.0	0.47405	('2', '8', '15', '16')
1	7	0.13454	0.24418	('2', '5', '14', '15')
1	8	0.00447	0.46115	('2', '11', '15')
1	9	0.253	0.90321	('2', '5', '7', '10', '12')
1	10	0.0	0.47065	('5', '7', '8', '11', '12', '13', '14', '15', '17', 'T')
1	11	0.06693	0.63354	('2', '13', '15')
1	12	0.0	0.49175	('3', '5', '10', '11', '13', '15', '16', '17', 'T')
1	13	0.0	0.44606	('3', '4', '7', '8', '15', '16', '17')
1	14	0.0	0.48195	('2', '7', '10', '11', '16', '17', 'T')
1	15	0.0	0.47455	('2', '4', '8', '9', '10', '12', '13', '17', 'T')
1	16	0.0	0.49115	('5', '6', '7', '8', '9', '10', '13', '14', '15', 'T')
1	17	0.25108	0.09959	('2', '4', '12', '14', '15')
1	T	0.02775	0.53935	('2', '5', '14', '15')
2	3	0.0	0.49165	('4', '5', '9', '12', '13', '15', '16', 'T')
2	4	0.0532	0.38416	('1', '13', '14', '15')
2	5	0.0	0.49325	('3', '4', '7', '10', '13', '16')
2	6	0.07649	0.63314	('10', '11', 'T')
2	7	0.0	0.47955	('13', '14', '15')
2	8	0.0	0.48305	('1', '13', '14', '15', 'T')
2	9	0.0	0.49075	('1', '3', '4', '5', '6', '7', '10', '13', '16', '17', 'T')
2	10	0.0	0.47415	('1', '5', '7', '8', '9', '14', '15')
2	11	0.04615	0.58784	('T',)
2	12	0.0545	0.37296	('1', '13', '15')
2	13	0.39427	0.02	('1', '3', '4', '5', '7', '12', '14', '15', '16')
2	14	0.01844	0.46045	('1', '4', '7', '9', '11', '15', '16')
2	15	0.38745	0.0219	('1', '13', '16')
2	16	0.0	0.49855	('1', '5', '6', '11', '12', '15', 'T')
2	17	0.0	0.49145	('4', '5', '12', '14', '15')
2	T	0.13635	0.74813	('1', '13', '14', '15', '16')
3	4	0.21171	0.13849	('1', '2', '10', '13', '15')
3	5	0.0	0.49275	('7', '10', '12', '13', '16', 'T')
3	6	0.05736	0.39046	('4', '7', '9', '10', '11', '13', '15', '16', 'T')
3	7	0.0	0.49045	('2', '4', '6', '9', '11', '12', '13', '15')
3	8	0.0	0.48195	('1', '5', '7', '10', '13', '16')
3	9	0.13282	0.24868	('2', '6', '15', '16', 'T')
3	10	0.17141	0.19398	('1', '13', '16', 'T')
3	11	0.0	0.48425	('4', '5', '6', '7', '8', '9', '15', '16', '17', 'T')
3	12	0.0	0.47965	('1', '10', '13', '15')
3	13	0.12546	0.27197	('2', '4', '5', '9', '10', '12', '16', 'T')
3	14	0.0	0.50295	('1', '10', '13', '15', '16')
3	15	0.0	0.49355	('1', '2', '4', '5', '7', '9', '12', 'T')
3	16	0.10065	0.30467	('1', '5', '10', '11', '13')
3	17	0.0	0.48835	('1', '5', '9', 'T')
3	T	0.0	0.47705	('10', '11', '12', '13', '15', '16')
4	5	0.0	0.49515	('1', '2', '6', '9', '12', '15')
4	6	0.13583	0.24278	('3', '11', '13', '14', '15')
4	7	0.0	0.46475	('2', '3', '6', '8', '9', '10', '11', '12', '15', 'T')
4	8	0.0	0.48505	('1', '7', '9', '11', '16', '17')
4	9	0.0	0.49185	('1', '2', '3', '5', '7', '10', '12', '15', '16', 'T')
4	10	0.0	0.47425	('1', '3', '5', '12', '13')
4	11	0.0	0.49645	('3', '7', '12', '15', '16', '17', 'T')
4	12	0.0	0.48515	('1', '2', '3', '6', '7', '13', '15', '16', '17', 'T')
4	13	0.0	0.46515	('2', '3', '5', '10', '11', '12', '14', '15')
4	14	0.0	0.48565	('1', '2', '3', '5', '6', '7', '8', '9', '10', '11', '16', '17', 'T')
4	15	0.00316	0.49285	('2', '13')
4	16	0.0	0.48905	('1', '2', '3', '6', '8', '9', '11', '14', '15', '17')
4	17	0.18905	0.16748	('1', '2', '12', '13', '14', '15')
4	T	0.0	0.48785	('1', '9', '13', '14', '16', '17')
5	6	0.0	0.48685	('2', '3', '7', '11', '15', '16', '17')
5	7	0.09803	0.31957	('8', '9', '10', 'T')
5	8	0.31483	0.9508	('1', '11', '14', '15', '16')
5	9	0.00316	0.50745	('2', '3', '6', '8', '14', '16', 'T')
5	10	0.0	0.49945	('2', '4', '8', '13', '14', '15', '16')
5	11	0.0	0.49775	('1', '7', '8', '10', '12', '14', '16', 'T')
5	12	0.0	0.48925	('1', '7', '10', 'T')
5	13	0.0638	0.35436	('2', '7', '10')
5	14	0.08643	0.66383	('2', '7', '8', '9', '11', '16', '17')
5	15	0.0	0.48985	('2', '7', '10', '13', '16')
5	16	0.06253	0.37066	('8', '9', '12', '17', 'T')
5	17	0.08764	0.67133	('1', '14', '15')
5	T	0.00632	0.50525	('1', '11', '15')
6	7	0.0	0.46055	('1', '5', '11', '13', '14', '15', '16', 'T')
6	8	0.0	0.48015	('1', '2', '3', '5', '9', '10', '11', '12', '15', '16', 'T')
6	9	0.29266	0.06749	('3', '14', '15')
6	10	0.0	0.46665	('3', '11', 'T')
6	11	0.06261	0.37376	('10', '14', '15', 'T')
6	12	0.0	0.47955	('2', '4', '7', '9', '11', '13', '14', '15', '16')
6	13	0.0	0.45395	('1', '3', '5', '7', '8', '9', '12', '14', '15', '16', '17', 'T')
6	14	0.0	0.47905	('2', '5', '7', '9', '11', '13', '16', 'T')
6	15	0.0	0.45175	('1', '3', '4', '5', '7', '9', '11', '12', '13', '16', '17')
6	16	0.0	0.50305	('2', '3', '4', '7', '9', '14')
6	17	0.0	0.48545	('1', '2', '3', '4', '7', '10', '11', 'T')
6	T	0.0	0.46805	('1', '2', '3', '5', '12', '13', '14')
7	8	0.08978	0.66493	('5', '10', '14', '15', '16')
7	9	0.0	0.49225	('5', '10', '12', '14', '16', 'T')
7	10	0.0	0.44306	('1', '4', '6', '8', '11', '12', '13')
7	11	0.0	0.49395	('1', '14', 'T')
7	12	0.04324	0.37176	('1', '2', '5', '10', '14', '15', 'T')
7	13	0.0	0.43256	('3', '5', '11', '12', '14', 'T')
7	14	0.33222	0.06089	('2', '11', '15', '16')
7	15	0.0	0.46425	('2', '3', '6', '9', '10', '11', '12', '13', '16', '17', 'T')
7	16	0.11853	0.26857	('1', '2', '5', '10', '11', '14')
7	17	0.0	0.46705	('1', '3', '4', '9', '11', '16')
7	T	0.0	0.45965	('2', '5', '10', '11', '12', '13', '14')
8	9	0.0	0.48915	('2', '3', '5', '7', '16', 'T')
8	10	0.27444	0.94221	('5', '13', '16', 'T')
8	11	0.29438	0.06909	('1', '5', '13', '16')
8	12	0.0	0.47905	('1', '3', '5', '7', '10', '11', '14', '17')
8	13	0.0	0.44896	('1', '11', '12', '15', 'T')
8	14	0.0	0.46975	('1', '5', '10', '12', '13', 'T')
8	15	0.00447	0.45085	('1', '2', '11', '16', 'T')
8	16	0.13799	0.74993	('5', '10')
8	17	0.0	0.48115	('1', '2', '3', '7', '9', '12', '13', '16', 'T')
8	T	0.0	0.46015	('1', '3', '10', '11', '13', '16')
9	10	0.00548	0.48665	('1', 'T')
9	11	0.0	0.49125	('1', '5', '7', '8', '10', '12', '16', 'T')
9	12	0.07785	0.65293	('1', '5', '10', '15')
9	13	0.0	0.45095	('1', '2', '3', '6', '7', '12', '14')
9	14	0.08349	0.33937	('2', '6', '7', '11', '16')
9	15	0.06626	0.33967	('1', '2', '3', '6', '13', '16')
9	16	0.05692	0.60154	('1', '5', '7', '10', '11')
9	17	0.0	0.48495	('1', '2', '4', '5', '10', '11', '12', '15', '16', 'T')
9	T	0.0	0.48405	('1', '7', '10', '11', '12', '16')
10	11	0.03493	0.55514	('T',)
10	12	0.0324	0.41056	('1', '13', 'T')
10	13	0.06892	0.32587	('1', '3', '5', '11', '12', '16', 'T')
10	14	0.11045	0.70193	('T',)
10	15	0.07785	0.62564	('1', '2', '5', '7', '8', '9', '12', '13', '16')
10	16	0.18417	0.16728	('3', '5', '11', '14', 'T')
10	17	0.0	0.47835	('1', '2', '4', '6', '7', '8', '14', '15', 'T')
10	T	0.44425	0.0149	('1', '11', '13')
11	12	0.0	0.47455	('1', '7', '8', '9', '14', '17', 'T')
11	13	0.0	0.48095	('1', '2', '3', '4', '7', '9', '12', '16', 'T')
11	14	0.14082	0.23778	('1', '2', '6', '7', '8', '16', 'T')
11	15	0.09434	0.68773	('1', '2', '5', '13', '16')
11	16	0.0	0.49285	('1', '5', '10', '14', 'T')
11	17	0.04648	0.58544	('T',)
11	T	0.45099	0.0074	('10', '14')
12	13	0.08701	0.31537	('1', '2', '10', '15')
12	14	0.0	0.47855	('1', '2', '3', '4', '5', '10', '13', 'T')
12	15	0.0	0.47055	('1', '2', '3', '10', '13', '14', '16', '17')
12	16	0.16486	0.79742	('1', '5', '8', '10', '13', '15', '17', 'T')
12	17	0.25766	0.10319	('1', '2', '4', '7', '10', '14', '15')
12	T	0.0	0.45765	('3', '5', '10', '11', '13', '14', '15')
13	14	0.0	0.47655	('1', '8', '9', '10', '15', '16', 'T')
13	15	0.0	0.39416	('1', '4', '6', '9', '10', '14', '16', '17')
13	16	0.0	0.49005	('2', '12', 'T')
13	17	0.0	0.46275	('1', '2', '4', '6', '7', '10', '12', '15', '16', 'T')
13	T	0.0	0.40826	('4', '5', '7', '8', '9', '12', '15', '16', '17')
14	15	0.0	0.45575	('1', '3', '4', '10', '12')
14	16	0.01924	0.44846	('7', '11', '15')
14	17	0.107	0.28097	('1', '2', '4', '7', '9', '11', '12', '16')
14	T	0.11628	0.69763	('10', '13', '15')
15	16	0.24564	0.11159	('2', '3', '5', '7')
15	17	0.0	0.47875	('1', '2', '4', '7', '9', '12', '14')
15	T	0.0	0.45935	('2', '5', '13')
16	17	0.04111	0.58024	('12', '13')
16	T	0.0	0.47795	('1', '2', '3', '5', '10', '11', '14', '15')
17	T	0.09094	0.67053	('1', '2', '14', '15')

Table 6: Sub-Saharan Africa

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.00632	0.56584	('13', '16', 'T')
1	3	0.02	0.72163	('2', '15')
1	4	0.06899	0.0208	('3', '5', '7', '8', '9', '10', '11', '12', '13', '16', '17', 'T')
1	5	0.02966	0.17388	('2', '4', '8', '9', '10', '11', '13', '14', '15', '16')
1	6	0.01	0.35946	('7', '11', '13', '16')
1	7	0.01225	0.33717	('4', '8', '9', '10', '11', '12', '13', '14', '16', '17', 'T')
1	8	0.12996	0.0009	('4', '5', '10', '11', '12', '13', '14', '16', '17')
1	9	0.00316	0.44886	('2', '3', '4', '5', '7', '8', '10', '11', '12', '13', '15', '16', '17', 'T')
1	10	0.04827	0.07439	('4', '7', '11', '12', '13', '14', '16', 'T')
1	11	0.06745	0.0287	('4', '5', '6', '8', '9', '10', '12', '16', '17', 'T')
1	12	0.0	0.47685	('6', '8', '9', '10', '13', '16', '17', 'T')
1	13	0.01673	0.26377	('4', '5', '7', '12', '14', '16')
1	14	0.01	0.34247	('5', '7', '8', '10', '13', '16', '17')
1	15	0.0	0.46535	('9', '10', '13', '16')
1	16	0.14533	0.0001	('4', '5', '10', '11', '12', '17', 'T')
1	17	0.03178	0.16228	('2', '4', '7', '8', '9', '10', '11', '12', '13', '14', '16', 'T')
1	T	0.0	0.48205	('10', '11', '16')
2	3	0.0	0.46785	('4', '9', '10', '12', '14', '16', '17')
2	4	0.03302	0.15398	('3', '7', '8', '9', '10', '11', '14', '15', '17', 'T')
2	5	0.01265	0.32647	('1', '3', '8', '9', '11', '14', '15', '16')
2	6	0.00548	0.40086	('1', '3', '7', '9', '11', '17', 'T')
2	7	0.0	0.48225	('1', '6', '8', '11', 'T')
2	8	0.03661	0.12609	('1', '4', '5', '9', '11', '14', '17')
2	9	0.05273	0.06349	('3', '4', '5', '7', '11', '12', '14', '15', '17', 'T')
2	10	0.0	0.47675	('1', '4', '7', '8', '9', '13')
2	11	0.01265	0.32557	('4', '9', '10', '12', '17', 'T')
2	12	0.0	0.48065	('1', '6', '9', '10', '14', '17', 'T')
2	13	0.0	0.46305	('4', '11', '16', '17', 'T')
2	14	0.02627	0.20118	('5', '9', '10', '17')
2	15	0.0	0.46665	('1', '3', '5', '6', '7', '9', '10', '11', '14', 'T')
2	16	0.00316	0.52845	('1', '13', 'T')
2	17	0.0634	0.0307	('4', '7', '8', '9', '10', '11', '12', '14', '16', 'T')
2	T	0.00632	0.39716	('3', '9', '10', '11', '17')
3	4	0.09017	0.006	('1', '2', '7', '9', '10', '11', '12', '13', '15', '16', 'T')
3	5	0.0249	0.21178	('1', '2', '9', '10', '13', '15', '16')
3	6	0.04572	0.08229	('7', '11', '13', '16', 'T')
3	7	0.00775	0.38966	('4', '9', '10', '12', '13', '16', 'T')
3	8	0.0	0.46645	('10', '13', '15', '16')
3	9	0.07301	0.0216	('2', '4', '5', '7', '10', '12', '13', '15', '16', 'T')
3	10	0.08944	0.0083	('1', '4', '7', '9', '11', '12', '13', '14', '16', 'T')
3	11	0.01703	0.27457	('T',)
3	12	0.04899	0.07389	('4', '7', '9', '10', '11', '16', 'T')
3	13	0.00949	0.35006	('1', '4', '5', '7', '9', '10', '12', '14', '15', 'T')
3	14	0.00447	0.53345	('T',)
3	15	0.03962	0.10819	('1', '4', '5', '9', '10', '11', '16', 'T')
3	16	0.04848	0.07009	('1', '4', '5', '10', '11', '12', '15', 'T')
3	17	0.0	0.48395	('1', '2', '4', '7', '9', '10', '11', '12', '13', '14', '16', 'T')
3	T	0.07675	0.0167	('4', '9', '10', '11', '12', '16')
4	5	0.0	0.47085	('1', '2', '3', '11', '13', '14', '15', '16', 'T')
4	6	0.00548	0.53605	('5', '10', '12', '13', '15', '16')
4	7	0.05413	0.05749	('1', '2', '3', '9', '10', '11', '12', '13', '17', 'T')
4	8	0.1003	0.0028	('1', '2', '3', '5', '7', '10', '11', '12', '13', '17', 'T')
4	9	0.06473	0.0317	('1', '2', '3', '5', '7', '10', '11', '12', '15', '17', 'T')
4	10	0.05899	0.0412	('1', '2', '3', '7', '11', '12', '14', 'T')
4	11	0.05822	0.0453	('1', '2', '3', '6', '8', '9', '10', '12', '15', '17', 'T')
4	12	0.03286	0.15328	('1', '2', '3', '7', '9', '10', '11', '16', '17', 'T')
4	13	0.0	0.46975	('3', '5', '7', '9', '10', '12', 'T')
4	14	0.0	0.47385	('2', '3', '6', '7', '13', '16', 'T')
4	15	0.02049	0.24708	('1', '2', '3', '9', '10', '11', '13', '16')
4	16	0.00775	0.39336	('1', '3', '5', '7', '10', '11', '12', 'T')
4	17	0.06442	0.027	('1', '2', '3', '7', '8', '9', '10', '11', '12', '14', '15', 'T')
4	T	0.02214	0.23548	('1', '2', '3', '7', '9', '10', '11', '12', '16')
5	6	0.00316	0.50345	('7', '11', '12', '13', '17', 'T')
5	7	0.0	0.49135	('10', '12', '13', '17', 'T')
5	8	0.03479	0.13489	('1', '2', '4', '9', '11', '13', '14', '16')
5	9	0.0605	0.047	('1', '2', '3', '7', '14', '15', '16')
5	10	0.0	0.47835	('7', '11', '12', '17', 'T')
5	11	0.0	0.46225	('4', '6', '7', '8', '10', '14', 'T')
5	12	0.02739	0.80172	('7', '10', '11', '13', '17', 'T')
5	13	0.04593	0.08629	('1', '3', '7', '9', '14', '15')
5	14	0.02429	0.20008	('1', '2', '7', '8', '9', '10', '13', '15', '16')
5	15	0.02665	0.18418	('1', '2', '3', '9', '14', '16')
5	16	0.02828	0.19108	('1', '13')
5	17	0.02214	0.73673	('7', '10', '12', 'T')
5	T	0.03633	0.88431	('7', '10', '11', '12', '13', '17')
6	7	0.03082	0.16648	('1', '3', '9', '11', '13', '17', 'T')
6	8	0.0	0.47545	('3', '7', '11', '13', '14', '17', 'T')
6	9	0.0	0.45425	('2', '3', '8', '10', '11', '13', '14')
6	10	0.01483	0.65013	('4', '5', '12', '14', '15', '16', 'T')
6	11	0.04278	0.09989	('1', '2', '3', '7', '10', 'T')
6	12	0.00949	0.59614	('4', '9', '10', '14', '15', '16', 'T')
6	13	0.00316	0.40136	('1', '3', '5', '7')
6	14	0.00447	0.52705	('5', '10', '15')
6	15	0.00707	0.53185	('4', '5', '9', '10', '14', '16')
6	16	0.0	0.48245	('1', '7', '8', '11', '17')
6	17	0.01581	0.29177	('1', '2', '3', '7', '11', '14', 'T')
6	T	0.0	0.47645	('2', '3', '7', '11', '13', '16')
7	8	0.0	0.48185	('1', '2', '6', '9', '15', '17')
7	9	0.12802	0.0009	('1', '2', '3', '4', '10', '12', '13', '15', '17', 'T')
7	10	0.06213	0.0372	('1', '3', '4', '9', '11', '12', '13', '14', '17', 'T')
7	11	0.0	0.47515	('1', '2', '3', '8', '10')
7	12	0.04037	0.11179	('3', '9', '10', '11', '17', 'T')
7	13	0.02588	0.19788	('1', '5', '9', '12', '14')
7	14	0.02	0.25247	('9', '10', '12', '13', '17', 'T')
7	15	0.0	0.45685	('1', '2', '3', '11', '16', 'T')
7	16	0.0	0.47905	('1', '2', '3', '4', '6', '9', '10', '11', '12', '13', '14', '17')
7	17	0.07855	0.0132	('1', '2', '4', '9', '10', '12', '13', '14', 'T')
7	T	0.02366	0.22168	('1', '9', '10', '11', '12', '13')
8	9	0.0	0.45865	('4', '11', '13', '14')
8	10	0.00707	0.54905	('3', '15', '16')
8	11	0.02324	0.21638	('1', '2', '4', '5', '10', '12', '17', 'T')
8	12	0.02588	0.20488	('1', '4', '9', '10', '11', '14', '16', '17', 'T')
8	13	0.00316	0.48985	('1', '2', '4', '11', '16', '17', 'T')
8	14	0.01975	0.24838	('1', '2', '5', '7', '10', '13', '17')
8	15	0.0313	0.84322	('1', '12', '13', 'T')
8	16	0.0	0.48315	('5', '10', 'T')
8	17	0.14244	0.0003	('1', '2', '4', '7', '11', '12', '14')
8	T	0.0	0.48055	('3', '4', '9', '11', '13', '14', '16')
9	10	0.0	0.45825	('1', '2', '4', '7', '11', '13', '14', '15', '16', '17', 'T')
9	11	0.00316	0.41416	('T',)
9	12	0.07609	0.0187	('1', '2', '3', '4', '7', '10', '11', '16', '17', 'T')
9	13	0.00775	0.34877	('1', '5', '7', '12', 'T')
9	14	0.0	0.45455	('10', '11', '16')
9	15	0.08037	0.022	('1', '3', '4', '5', '7', '11', '14', '16', 'T')
9	16	0.0	0.49955	('7', '13', '14')
9	17	0.07616	0.0201	('1', '2', '3', '4', '7', '10', '11', '12', '14', '16', 'T')
9	T	0.07817	0.0176	('1', '2', '3', '7', '11', '12', '16')
10	11	0.10498	0.0057	('1', '3', '4', '7', '12', '16', 'T')
10	12	0.05541	0.05409	('1', '3', '4', '7', '9', '11', '14', '16', '17', 'T')
10	13	0.0	0.44196	('1', '4', '5', '7', '9', '12', '15', 'T')
10	14	0.04743	0.08559	('3', '5', '7', '11', '12', '17', 'T')
10	15	0.01	0.57274	('12', 'T')
10	16	0.06309	0.0327	('1', '3', '5', '7', '11', '12', 'T')
10	17	0.06971	0.023	('1', '2', '3', '4', '7', '11', '12', '14', '16', 'T')
10	T	0.02739	0.18868	('1', '3', '7', '11', '12', '16')
11	12	0.05865	0.0455	('T',)
11	13	0.04483	0.9505	('T',)
11	14	0.01095	0.60544	('T',)
11	15	0.00316	0.40086	('1', '3', '4', '9', '10', '16', 'T')
11	16	0.00316	0.51635	('1', 'T')
11	17	0.03347	0.15378	('1', '2', '3', '4', '6', '7', '8', '9', '10', '12', '15', '16', 'T')
11	T	0.24386	0.0001	('1', '2', '3', '4', '9', '10', '12', '16')
12	13	0.01095	0.32237	('1', '3', '5', '7', '9', '10', '14')
12	14	0.0	0.45435	('7', '9', '10', '11', '13', '17', 'T')
12	15	0.04626	0.9514	('8', '10', '17', 'T')
12	16	0.02608	0.20048	('1', '3', '5', '7', '10', '11', '17', 'T')
12	17	0.0757	0.0151	('1', '2', '4', '7', '9', '10', '11', '14', '16', 'T')
12	T	0.05225	0.06379	('3', '7', '9', '10', '11', '16', '17')
13	14	0.00316	0.39396	('1', '5', '7', '10')
13	15	0.0	0.42476	('1', '3', '5', '7', '10')
13	16	0.0	0.46455	('1', '3', '5', '9', '10', '17', 'T')
13	17	0.00707	0.55764	('2', '10', '11', '16', 'T')
13	T	0.00775	0.55174	('11',)
14	15	0.00632	0.36016	('1', '2', '3', '5', '7', '9', '10', '13', '16', '17')
14	16	0.0	0.49265	('T',)
14	17	0.07675	0.0185	('1', '2', '7', '10', '12', '13')
14	T	0.01517	0.65383	('11', '16')
15	16	0.00632	0.39316	('1', '3', '5', '9', '10', '11', 'T')
15	17	0.0	0.46055	('1', '2', '3', '7', '8', '10', '12', '13', '14', '16')
15	T	0.00548	0.53555	('11', '12')
16	17	0.03633	0.13059	('1', '2', '3', '4', '5', '7', '10', '11', '12', '14', 'T')
16	T	0.0437	0.09579	('1', '3', '10', '11', '12')
17	T	0.03742	0.12869	('1', '2', '3', '4', '7', '9', '10', '11', '12', '14', '16')

Table 7: Africa

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.0	0.49695	('10', '13', '16')
1	3	0.01225	0.63904	('8',)
1	4	0.08741	0.0043	('3', '5', '7', '8', '9', '10', '11', '12', '13', '16', '17', 'T')
1	5	0.03391	0.13149	('2', '4', '8', '9', '10', '11', '13', '14', '15', '16')
1	6	0.00894	0.35336	('3', '7', '8', '11', '16', '17', 'T')
1	7	0.02811	0.18138	('4', '9', '10', '11', '12', '13', '14', '16', 'T')
1	8	0.12112	0.0002	('4', '5', '10', '11', '12', '13', '14', '16', '17', 'T')
1	9	0.0	0.47465	('4', '5', '10', '12', '17')
1	10	0.05753	0.0375	('4', '5', '7', '11', '12', '13', '14', '16', '17', 'T')
1	11	0.06527	0.0225	('4', '5', '8', '10', '12', '15', '16', 'T')
1	12	0.00447	0.41756	('3', '4', '5', '7', '8', '9', '10', '11', '13', '16', '17', 'T')
1	13	0.01643	0.26477	('5', '7', '10', '12', '16', 'T')
1	14	0.01049	0.34447	('4', '5', '7', '8', '10', '13', '15', '16', '17')
1	15	0.0	0.45965	('4', '5', '7', '9', '11', '13', '14', 'T')
1	16	0.12562	0.0002	('4', '5', '10', '11', '15', '17', 'T')
1	17	0.03521	0.12069	('2', '4', '7', '8', '9', '10', '11', '12', '13', '14', '16', 'T')
1	T	0.02025	0.22908	('11', '16')
2	3	0.0	0.48105	('4', '5', '7', '10', '11', '12', '13', '16', '17', 'T')
2	4	0.03619	0.11179	('3', '7', '8', '9', '10', '11', '12', '15', '17', 'T')
2	5	0.01483	0.29997	('1', '9', '11', '14', '15', '16')
2	6	0.0	0.46825	('3', '4', '5', '7', '11', 'T')
2	7	0.0	0.47425	('5', '8', '10', '11', '12', '13', '15', 'T')
2	8	0.03114	0.13909	('1', '4', '5', '9', '11', '12', '14', '17', 'T')
2	9	0.04796	0.05749	('4', '5', '7', '11', '12', '15', '17', 'T')
2	10	0.0	0.48045	('1', '6', '7', '8', '11', '12', '15', 'T')
2	11	0.01703	0.26527	('4', '5', '9', '10', '12', '15', '17', 'T')
2	12	0.01789	0.26907	('4', '9', '11', '17', 'T')
2	13	0.01581	0.26947	('1', '5', '7', '9', '10', '12', '14', '15', '16', 'T')
2	14	0.01304	0.30837	('5', '9', '10', '15', '17', 'T')
2	15	0.0305	0.14449	('3', '4', '5', '9', '11', '14', '16', '17', 'T')
2	16	0.0	0.48165	('1', '8', '12', '13', '14', '15', '17')
2	17	0.0719	0.011	('3', '4', '7', '8', '9', '10', '11', '12', '14', '15', '16', 'T')
2	T	0.01517	0.29427	('3', '4', '9', '11', '12', '15', '16', '17')
3	4	0.08832	0.0035	('1', '2', '7', '9', '10', '11', '12', '13', '15', '16', 'T')
3	5	0.01304	0.29937	('1', '2', '4', '9', '10', '11', '13', '15', '16')
3	6	0.06892	0.0187	('1', '7', '9', '11', '17', 'T')
3	7	0.02898	0.15688	('4', '9', '10', '12', '13', '16', 'T')
3	8	0.0	0.50085	('10', '15', 'T')
3	9	0.0563	0.0403	('2', '4', '7', '10', '12', '15', '16', 'T')
3	10	0.07772	0.0135	('4', '7', '9', '11', '12', '14', '16', '17', 'T')
3	11	0.00316	0.42806	('4', '10', '12', '15', '16', 'T')
3	12	0.06964	0.0172	('4', '7', '9', '10', '11', '15', '16', '17', 'T')
3	13	0.00316	0.40676	('1', '5', '7', '10', '12', '15', '16', 'T')
3	14	0.00316	0.52045	('T',)
3	15	0.0469	0.06999	('2', '4', '5', '9', '10', '11', '13', '16', 'T')
3	16	0.03178	0.14379	('1', '2', '4', '5', '10', '12', '15', 'T')
3	17	0.03592	0.11439	('2', '4', '7', '8', '9', '10', '12', '14', '16', 'T')
3	T	0.08509	0.0047	('4', '7', '9', '10', '11', '12', '15', '16')
4	5	0.00632	0.39596	('1', '2', '3', '7', '8', '9', '11', '13', '14', '15', '16')
4	6	0.0	0.47725	('2', '5', '7', '8', '9', '10', '12', '14', 'T')
4	7	0.0634	0.0213	('1', '2', '3', '9', '10', '11', '12', '13', 'T')
4	8	0.10747	0.001	('1', '2', '3', '5', '7', '11', '12', '13', '17', 'T')
4	9	0.05908	0.0328	('1', '2', '3', '5', '7', '11', '12', '15', '17', 'T')
4	10	0.02121	0.22938	('1', '2', '3', '7', '11', '12', '14', '17', 'T')
4	11	0.05762	0.0347	('1', '2', '3', '5', '7', '8', '9', '10', '12', '15', 'T')
4	12	0.04074	0.08559	('1', '2', '3', '7', '8', '9', '10', '11', '17', 'T')
4	13	0.0	0.46665	('5', '6', '8', '9', '11', '17')
4	14	0.0	0.47365	('2', '9', '12', '13', '16', '17', 'T')
4	15	0.01449	0.28557	('1', '2', '3', '5', '7', '9', '11', '13', '16', 'T')
4	16	0.00707	0.41266	('1',)
4	17	0.05292	0.0434	('1', '2', '3', '7', '8', '9', '10', '11', '12', '14', 'T')
4	T	0.02366	0.20388	('1', '2', '3', '7', '9', '10', '11', '12', '16')
5	6	0.00775	0.57764	('1', '10', '13', '15', '16')
5	7	0.0	0.48375	('6', '11', '12', '16', '17', 'T')
5	8	0.03564	0.12019	('1', '2', '4', '9', '11', '13', '14', '15', '16')
5	9	0.05263	0.05189	('1', '2', '7', '15')
5	10	0.00316	0.50715	('7', '12', '17', 'T')
5	11	0.01183	0.30797	('1', '2', '3', '4', '8', '9', '10', '12', '13', '15', '16', 'T')
5	12	0.00837	0.58564	('7', '10', '17', 'T')
5	13	0.02864	0.15418	('1', '2', '7', '9', '10', '14', '15', '16')
5	14	0.02049	0.22538	('1', '2', '7', '10', '13', '15', '16')
5	15	0.0497	0.06279	('1', '2', '9', '11', '13', '16')
5	16	0.03507	0.12029	('1', '13')
5	17	0.02236	0.76672	('10', '12', 'T')
5	T	0.0313	0.86521	('7', '10', '11', '12', '17')
6	7	0.01643	0.27637	('1', '3', '9', '11', '13', 'T')
6	8	0.0	0.46945	('2', '3', '5', '7', '12', '13', '16', '17', 'T')
6	9	0.0	0.45645	('1', '3', '4', '13', '15', '16', '17')
6	10	0.0228	0.76942	('5', '12', '13', '14', '16')
6	11	0.0295	0.15098	('T',)
6	12	0.0114	0.62114	('2', '4', '5', '10', '13', '15', '16', 'T')
6	13	0.00548	0.52205	('11', 'T')
6	14	0.0	0.45365	('1', '2', '3', '4', '8', '9', '10', '12', '13', '16')
6	15	0.00632	0.52945	('2', '5', '10', '13', '16', 'T')
6	16	0.00316	0.51945	('1', '5', '10', '13', '15')
6	17	0.01612	0.27817	('1', '2', '3', '7', '11', '12', '14', 'T')
6	T	0.00447	0.40436	('1', '3', '7', '11')
7	8	0.0	0.47195	('1', '2', '3', '6', '9', '14', '16', '17', 'T')
7	9	0.12919	0.0004	('1', '2', '3', '4', '10', '12', '13', '15', '17', 'T')
7	10	0.0638	0.0229	('1', '3', '4', '9', '11', '12', '13', '14', '17', 'T')
7	11	0.0	0.47915	('1', '14', '15', '16')
7	12	0.04099	0.09549	('1', '3', '4', '9', '10', '11', '13', '17', 'T')
7	13	0.05099	0.06199	('1', '5', '9', '10', '12', '16', 'T')
7	14	0.02098	0.22788	('9', '10', '13', '17', 'T')
7	15	0.0	0.45435	('1', '5', '6', '8', '9', '10', '14')
7	16	0.0	0.48605	('1', '3', '4', '6', '11', '13', '14')
7	17	0.04879	0.05779	('1', '2', '4', '9', '10', '12', '13', '14', 'T')
7	T	0.01871	0.25287	('1', '3', '9', '10', '11', '12', '13')
8	9	0.0	0.47055	('12', '13', '14', '15', '16', '17', 'T')
8	10	0.01183	0.63154	('1', '2', '5', '6', '15')
8	11	0.03033	0.14699	('1', 'T')
8	12	0.02846	0.15938	('1', '2', '4', '5', '7', '11', '13', '17', 'T')
8	13	0.01049	0.59814	('1', '11')
8	14	0.01483	0.27737	('1', '2', '4', '5', '7', '10', '13', '17')
8	15	0.01581	0.66813	('1', '10', '12')
8	16	0.0	0.48415	('1', '3', '4', '5', '7', '11', '12', '13', '15', '17', 'T')
8	17	0.13864	0.0001	('1', '2', '4', '10', '11', '12', '13', '14', '16')
8	T	0.0	0.46235	('1', '2', '3', '4', '5', '6', '13')
9	10	0.0	0.45665	('1', '2', '3', '4', '7', '14', '16', '17', 'T')
9	11	0.0	0.46375	('4', '5', '7', '10', '12', '15', '16')
9	12	0.0638	0.0247	('1', '2', '3', '4', '7', '10', '11', '15', '17', 'T')
9	13	0.00447	0.38236	('1', '2', '5', '7', '10', '12', '15', 'T')
9	14	0.0	0.46155	('3', '11', 'T')
9	15	0.09306	0.0093	('1', '2', '3', '4', '5', '7', '11', '13', '16', 'T')
9	16	0.0	0.50605	('7', '13', '14')
9	17	0.08118	0.0086	('1', '2', '3', '4', '7', '10', '12', '13', '14', '15', '16', 'T')
9	T	0.07829	0.0124	('1', '2', '3', '4', '7', '11', '12', '15', '16', '17')
10	11	0.06678	0.023	('1', '3', '4', '5', '7', '12', '15', '17', 'T')
10	12	0.03912	0.09559	('1', '3', '7', '11', '14', '17', 'T')
10	13	0.0272	0.15278	('1', '2', '3', '5', '7', '12', '14', 'T')
10	14	0.04037	0.09479	('1', '7', '11', '17')
10	15	0.02608	0.81822	('12',)
10	16	0.03362	0.13099	('1',)
10	17	0.09429	0.0035	('1', '2', '3', '4', '7', '11', '12', '13', '14', '16', 'T')
10	T	0.01414	0.29137	('1', '3', '7', '9', '11', '12', '14', '16', '17')
11	12	0.06812	0.0206	('T',)
11	13	0.04848	0.9824	('4', '6', '8', '17', 'T')
11	14	0.01612	0.69213	('T',)
11	15	0.03688	0.10669	('T',)
11	16	0.00316	0.44876	('T',)
11	17	0.00707	0.37816	('1', '2', '3', '4', '8', '9', '10', '12', '15', '16', 'T')
11	T	0.2429	0.0001	('1', '2', '3', '4', '9', '10', '12', '15', '16')
12	13	0.02074	0.21798	('1', '2', '3', '5', '7', '9', '10', '14', 'T')
12	14	0.0	0.45455	('2', '7', '10', '13', '16')
12	15	0.01	0.59544	('10',)
12	16	0.0	0.49115	('2', '3', '5', '7', '9', '11', '14', '15', '17', 'T')
12	17	0.13274	0.0001	('2', '3', '4', '7', '8', '9', '10', '11', '14', '16', 'T')
12	T	0.04899	0.05929	('1', '2', '3', '7', '9', '10', '11', '16', '17')
13	14	0.0	0.43586	('2', '3', '4', '5', '6', '9', '10', '15')
13	15	0.00837	0.29617	('1', '2', '5', '7', '9', '16', 'T')
13	16	0.01265	0.31367	('1', '5', '7', '10', 'T')
13	17	0.0	0.45915	('1', '3', '6', '7', '8', '9', '11', '15', '16', 'T')
13	T	0.0	0.46385	('11', '14')
14	15	0.00707	0.34237	('1', '2', '3', '5', '7', '9', '10', '11', '13', '16', '17', 'T')
14	16	0.00548	0.55854	('T',)
14	17	0.07635	0.0118	('1', '2', '7', '10', '12', '13')
14	T	0.01095	0.61764	('11', '16')
15	16	0.02049	0.23398	('1', '5', '11', '13', 'T')
15	17	0.0	0.46475	('3', '5', '7', '10', '12', '13', '14', '16')
15	T	0.02098	0.20768	('1', '2', '3', '9', '11', '13', '16')
16	17	0.03564	0.11789	('1', '2', '3', '4', '5', '7', '10', '11', '12', '15', 'T')
16	T	0.04483	0.07169	('1', '11', '13')
17	T	0.0445	0.07249	('1', '2', '3', '7', '9', '10', '11', '12', '14', '16')

Table 8: Caribbean

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.30574	0.04	('13', '16', 'T')
1	3	0.0	0.45865	('2', '4', '7', '13', '14', '16')
1	4	0.0	0.48315	('2', '9', '10', '13', '14')
1	5	0.0	0.46315	('2', '4', '6', '12', '13', '14', '15', '16', '17')
1	6	0.0	0.46325	('2', '4', '5', '12', '15', '17', 'T')
1	7	0.0	0.47895	('2', '5', '10', '11', '12', '14', '15', '17')
1	8	0.0	0.46465	('3', '5', '6', '7', '10', '12', '13', '15', 'T')
1	9	0.0	0.47335	('2', '10', '13', '14', '16')
1	10	0.0	0.45925	('2', '5', '8', '11', '14', '15')
1	11	0.00316	0.47615	('2', '7', '13', '15', '16', 'T')
1	12	0.0	0.43776	('2', '4', '5', '6', '14', '15', '16', '17', 'T')
1	13	0.14615	0.18158	('2', '10', '16', 'T')
1	14	0.13244	0.19508	('2', '4', '13', '16')
1	15	0.00316	0.46915	('2', '10', '11', '13')
1	16	0.11493	0.24328	('2',)
1	17	0.0	0.47995	('2', '3', '7', '11', '12', '13', '14', '16')
1	T	0.0	0.47675	('2', '6', '10', '11', '14')
2	3	0.05874	0.61434	('1', '7', '13', '14', '16', 'T')
2	4	0.00316	0.49975	('1', '7', '16', 'T')
2	5	0.03578	0.56594	('3', '9', '10', '12', 'T')
2	6	0.00316	0.49245	('1', '7', '13', '16')
2	7	0.0	0.48995	('4', '6', '9', '10', '13', '14', '16', '17')
2	8	0.0	0.47935	('1', '3', '5', '7', '9', '10', '14', '17')
2	9	0.0	0.47395	('1', '10', '16')
2	10	0.0	0.46835	('1', '3', '4', '15', '16', '17')
2	11	0.0	0.47395	('1', '5', '7', '13', '15', '16', 'T')
2	12	0.0	0.48095	('7', '10', '13', '16')
2	13	0.01924	0.43606	('1', '10', '16', 'T')
2	14	0.0	0.47495	('1', '7', '13', '16', 'T')
2	15	0.04615	0.37586	('1', '11', '12', '13', '16', 'T')
2	16	0.31275	0.0418	('1',)
2	17	0.0	0.48755	('1', '4', '7', '8', '11', '13', '15', '16')
2	T	0.0	0.46585	('1', '5', '7', '11', '13', '15', '16')
3	4	0.0	0.49025	('2', '7', '13', '14')
3	5	0.0	0.48045	('1', '8', '9', '10', '13', '16')
3	6	0.05099	0.58674	('1', '2', '4', '8', '9', '10', '12', '13', '17')
3	7	0.01304	0.50255	('1', '2', '4', '6', '12')
3	8	0.01265	0.44866	('5', '9', '10', '13', '15', '16', '17')
3	9	0.08031	0.30057	('4', '5', '6', '7', '8', '11', '12', '15', '17', 'T')
3	10	0.0	0.46495	('1', '5', '6', '7', '9', '11', '12', '13', '16', '17')
3	11	0.0	0.46725	('1', '5', '6', '7', '9', '10', '15', '17', 'T')
3	12	0.0	0.44266	('6', '13', '14', '15', '16', '17', 'T')
3	13	0.0228	0.51765	('1', 'T')
3	14	0.13748	0.79322	('1', '2', '4', '6', '16')
3	15	0.04123	0.36716	('6', '8', '9', '10', '11', '13')
3	16	0.0	0.46945	('7', '9', '10', '11', '12', '13')
3	17	0.25352	0.07319	('8', '11', '13')
3	T	0.05468	0.59704	('1', '2', '4', '6', '11', '12', '14')
4	5	0.0	0.48645	('1', '2', '9', '10', '12', '15')
4	6	0.20905	0.89061	('2', '7', '13')
4	7	0.36132	0.0186	('1', '9', '12', '13', '14')
4	8	0.0	0.48415	('1', '2', '3', '7', '9', '11', '12', '13', '14', '15', '17')
4	9	0.241	0.08549	('7', 'T')
4	10	0.0	0.46755	('5', '7', '12', '13', '14', '15', '16')
4	11	0.0	0.47175	('6', '13', '15', '16', 'T')
4	12	0.01225	0.49415	('13', '14', 'T')
4	13	0.0	0.46185	('1', '2', '10', '11', '12', '15', '16', '17', 'T')
4	14	0.19303	0.13169	('6', '11', '12', '13')
4	15	0.02608	0.53895	('6', '10', '11', '12', '13')
4	16	0.0	0.49125	('1', '5', '9', '14', 'T')
4	17	0.0	0.49175	('3', '6', '8', '11', '12', '13', '15')
4	T	0.0	0.45985	('2', '3', '6', '7', '9', '10', '11', '12', '14', '15', '16')
5	6	0.0	0.46835	('8', '9', '12', '14')
5	7	0.0	0.47995	('1', '2', '3', '6', '8', '12')
5	8	0.26437	0.06979	('10', '12', '16', 'T')
5	9	0.0	0.46905	('2', '3', '4', '6', '7', '8', '11', '13', '14', '15', 'T')
5	10	0.1245	0.22078	('8', '12', '13', '15', '16')
5	11	0.0	0.46055	('1', '2', '6', '7', '15', '16', '17')
5	12	0.1456	0.19188	('7', '10', 'T')
5	13	0.0	0.47245	('10', '12', '15', '16', 'T')
5	14	0.0	0.46885	('3', '8', '16')
5	15	0.0	0.46055	('3', '7', '8', '9', '12', '13')
5	16	0.0	0.47425	('2', '7', '8', '10', '12', '13', '14')
5	17	0.13122	0.77682	('T',)
5	T	0.15176	0.17838	('9', '10', '11', '12', '13', '16')
6	7	0.0	0.48135	('2', '4', '5', '9', '10', '12', '13', '16', 'T')
6	8	0.00548	0.49675	('1', '3', '4', '5', '7', '10', '12', '13', '15', '16')
6	9	0.0	0.46075	('1', '2', '5', '10', '12', '13', '16', '17', 'T')
6	10	0.0	0.47395	('1', '2', '4', '5', '8', '12', '13', '15')
6	11	0.01703	0.43806	('4', '5', '10', '12', '13', '14')
6	12	0.05422	0.61114	('2', '5', '7', '13')
6	13	0.03536	0.54675	('1', '2', '10', '12', '16')
6	14	0.0	0.46715	('1', '2', '5', '7', '8', '9', '10', '11', '13', '17')
6	15	0.0	0.46745	('2', '3', '4', '5', '7', '9', '10', '12', '16', '17', 'T')
6	16	0.0	0.47435	('2', '3', '5', '8', '9', '10', '12', '13', '14', '17', 'T')
6	17	0.0	0.48255	('5', '8', '10', '13', '15')
6	T	0.20164	0.12429	('2', '3', '7', '10', '12', '13', '14', '16')
7	8	0.0	0.47335	('1', '4', '12', '14', '15', '16', 'T')
7	9	0.0	0.48135	('4', '6', '12', 'T')
7	10	0.0	0.47965	('2', '13', '15', '16')
7	11	0.0	0.47995	('2', '4', '6', '9', '12', '14', '15', '17', 'T')
7	12	0.30908	0.0475	('1', '4', '5', '8', '9', '11')
7	13	0.1226	0.76032	('10', '15', '16', 'T')
7	14	0.0	0.45395	('1', '3', '4', '6', '8', '9', '12', '16')
7	15	0.06033	0.61604	('1', '4', '16')
7	16	0.08637	0.68383	('9', '12')
7	17	0.0	0.48665	('1', '4', '6', '8', '11', '12', '13')
7	T	0.0	0.46195	('1', '4', '6', '8', '9', '10', '13', '16')
8	9	0.0	0.45935	('3', '4', '6', '10', '12', '13', '14', '15', '16', 'T')
8	10	0.23635	0.09439	('5', '12', '13', '14', '15', '16', '17')
8	11	0.0	0.43836	('5', '7', '9', '10', '14', 'T')
8	12	0.05196	0.36426	('5', '7', '10', '16', 'T')
8	13	0.0	0.44296	('1', '2', '4', '6', '7', '11', '12', '15', '16', '17', 'T')
8	14	0.04517	0.35086	('1', '4', '5', '13', '16', '17')
8	15	0.0	0.46425	('1', '2', '3', '5', '10', '11', '12', '13', '14')
8	16	0.0	0.48465	('2', '5', '10', '15', '17')
8	17	0.21709	0.10749	('3', '7', '10', '12', '13', '14', '16', 'T')
8	T	0.0	0.44046	('1', '3', '7', '12', '13', '15')
9	10	0.0	0.46595	('1', '13', '16', 'T')
9	11	0.0	0.46245	('1', '2', '3', '4', '6', '7', '8', '10', '13', 'T')
9	12	0.02793	0.40226	('5', '7', 'T')
9	13	0.07817	0.65613	('10', '16')
9	14	0.0	0.45645	('2', '3', '6', '7', '10', 'T')
9	15	0.0	0.45885	('1', '2', '3', '5', '6', '11', '12', 'T')
9	16	0.40155	0.9981	('7', 'T')
9	17	0.00316	0.46505	('1', '10', '16')
9	T	0.06723	0.33427	('4', '5', '6', '11', '12')
10	11	0.01549	0.41306	('T',)
10	12	0.0	0.45035	('1', '2', '4', '5', '6', '8', '9', '17', 'T')
10	13	0.40329	0.0181	('5', '15', '16')
10	14	0.0	0.45975	('1', '4', '5', '7', '8', '11', '12', '15', '16')
10	15	0.0	0.45905	('1', '2', '5', '6', '8', '11', '13', '16', 'T')
10	16	0.11256	0.23558	('13',)
10	17	0.07029	0.31137	('2', '3', '6', '7', '8', '12', '13', '14', '16')
10	T	0.0911	0.68763	('1', '6', '7', '11')
11	12	0.0	0.45105	('2', '5', '6', '7', '10', '15', '16', 'T')
11	13	0.0	0.43516	('1', '2', '10', '15', '16', 'T')
11	14	0.15959	0.83782	('T',)
11	15	0.26486	0.07129	('T',)
11	16	0.0	0.45685	('1', '2', '6', '13', '15', '17', 'T')
11	17	0.10455	0.24598	('1', '2', '3', '6', '7', '12', '15', '16', 'T')
11	T	0.56596	0.0062	('1', '2', '5', '6', '7', '15', '16')
12	13	0.0405	0.55104	('7',)
12	14	0.19751	0.89111	('7', '10', '11', 'T')
12	15	0.0	0.45255	('2', '5', '8', '10', '11', '16', 'T')
12	16	0.0	0.45375	('1', '2', '5', '6', '7', '9', '13', '15', 'T')
12	17	0.0	0.47985	('1', '2', '3', '4', '6', '13', '14', '15', '16')
12	T	0.0	0.47295	('2', '5', '9', '10', '11', '16')
13	14	0.10104	0.69853	('2', '10', '11', '12', 'T')
13	15	0.0	0.44766	('1', '2', '10', '11')
13	16	0.11849	0.22638	('1', '2', '10')
13	17	0.0531	0.34287	('1', '10', '11', '16')
13	T	0.0	0.43556	('1', '2', '11', '12')
14	15	0.00316	0.45825	('10', '11', '12')
14	16	0.09534	0.26367	('3', '6', '7', '9', '12', '13', 'T')
14	17	0.0	0.46675	('2', '5', '7', '8', '9', '12', '13', '16', 'T')
14	T	0.00316	0.47495	('6', '11', '12', '13')
15	16	0.00894	0.48635	('9', '11', '12', '13')
15	17	0.0	0.48145	('1', '3', '4', '7', '13', '14', '16')
15	T	0.0	0.46195	('2', '5', '11', '12')
16	17	0.08678	0.30157	('1', '2', '6', '8', '11', '13', '14')
16	T	0.0	0.48625	('1', '5', '6', '7', '9', '11')
17	T	0.0	0.47095	('3', '7', '12', '13', '14')

Table 9: North and Central America

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.0	0.48515	('4', '5', '6', '7', '11', '13', '14', '16', '17', 'T')
1	3	0.0	0.50045	('4', '5', '7', '8', '11', '12', '14', '15')
1	4	0.0	0.48445	('5', '6', '7', '9', '14', '15')
1	5	0.0	0.48715	('2', '4', '6', '8', '10', '11', '12', '16', 'T')
1	6	0.0	0.48885	('2', '7', '10', '13', '16')
1	7	0.0	0.50585	('6', '10', '11', '14', '16')
1	8	0.02256	0.18138	('10', '11', '12', '14', '16')
1	9	0.0	0.47445	('2', '4', '5', '7', '10', '11', '16', 'T')
1	10	0.0	0.47905	('3', '6', '7', '8', '11', '12', '14', '17')
1	11	0.00492	0.33007	('2', '5', '8', '13', '14', '17', 'T')
1	12	0.0	0.50115	('3', '4', '6', '7', '8', '9', '11', '17')
1	13	0.04591	0.10709	('2', '6', '11', '12', '14')
1	14	0.00703	0.29507	('5', '7', '11', 'T')
1	15	0.03365	0.88651	('2', '5', '6', '17', 'T')
1	16	1e-05	0.47905	('2', '6', '11', 'T')
1	17	0.0202	0.20728	('10', '11', '12', '14', '16', 'T')
1	T	0.0	0.47695	('2', '4', '11', '13', '14', '15', '16', '17')
2	3	0.00039	0.53885	('10', '15', 'T')
2	4	0.06396	0.07549	('7', '11', '12', '14')
2	5	0.0	0.48455	('4', '7', '12', '13', '14', '16', 'T')
2	6	0.0	0.47205	('1', '4', '9', '11', '14', '16', 'T')
2	7	0.0	0.47885	('1', '4', '9', '10', '11', '12', '14', '15', '16')
2	8	0.0	0.47085	('3', '6', '9', '10', '13', '15', '17', 'T')
2	9	0.0	0.47695	('1', '3', '4', '6', '7', '8', '10', '11', '14', '15', '17', 'T')
2	10	0.00023	0.50695	('4', '11', '13', '14', '15', '16')
2	11	0.0	0.48505	('1', '3', '4', '9', '13', '14', '16', 'T')
2	12	0.0	0.49555	('1', '4', '6', '7', '9', '10', '13', '14', '15')
2	13	0.00958	0.29247	('1', '4', '5', '6', '11', '12', '14', '16')
2	14	0.02371	0.17548	('1', '5', '7', '11')
2	15	0.0	0.47615	('1', '4', '5', '6', '13', '16', '17')
2	16	0.01948	0.20198	('5', '6', '11')
2	17	0.0	0.47895	('4', '7', '8', '9', '10', '11', '12', '13')
2	T	0.00192	0.57864	('10', '11')
3	4	0.0	0.49545	('5', '10', '11', '13', '15', '17', 'T')
3	5	0.0	0.50315	('1', '2', '6', '7', '9', '10', '11', '13', '14', '15', '17', 'T')
3	6	0.0	0.49335	('1', '5', '7', '11', '12', '14', '15', '16', '17')
3	7	0.0	0.49545	('6', '10', '11', '14', '15')
3	8	0.00199	0.59444	('11', '16', 'T')
3	9	0.0	0.49675	('1', '2', '4', '5', '8', '15', 'T')
3	10	0.0	0.49615	('7', '12', '14', '15', 'T')
3	11	0.0	0.49705	('2', '4', '6', '8', '9', '13', '15', '16', 'T')
3	12	0.0	0.49355	('5', '7', '9', '10', '13', '15', '16', '17', 'T')
3	13	0.0	0.48775	('1', '5', '6', '7', '10', '12', '14', '15')
3	14	0.00021	0.45885	('1', '5', '7', '15', 'T')
3	15	0.03726	0.13939	('7', '9', '11', '14')
3	16	0.0	0.47485	('10', '15')
3	17	0.0003	0.45785	('1', '7', '9', '10', '12', '14', '15', 'T')
3	T	0.0	0.50025	('2', '6', '10', '11', '12', '13', '15', '17')
4	5	0.0	0.48345	('1', '3', '6', '9', '11', '12', '14', '15', '17')
4	6	0.0	0.47485	('2', '9', '11', '12', '14', '16', 'T')
4	7	0.00283	0.35696	('2', '12')
4	8	0.01212	0.74463	('1', '10', '11', '13', '15', 'T')
4	9	0.0	0.48545	('2', '3', '5', '10', '12', '13', '15', '16', 'T')
4	10	0.0	0.49225	('1', '7', '8', '11', '12', '13', '14', '15', 'T')
4	11	0.0	0.49745	('2', '3', '5', '8', '10', '12', '14', '16', '17', 'T')
4	12	0.00054	0.43666	('2', '7', '11', 'T')
4	13	0.0	0.49935	('2', '3', '5', '6', '7', '10', '11', '12', '14', '15')
4	14	0.0	0.47385	('2', '3', '5', '7', '11', '12')
4	15	0.0	0.48405	('2', '6', '11', '14', '17', 'T')
4	16	0.0	0.48745	('5', '6', '12', '13')
4	17	0.0	0.48025	('2', '6', '7', '10', '12', '14', '16')
4	T	0.0	0.48845	('5', '6', '10', '15', '16')
5	6	0.0	0.48145	('3', '7', '8', '9', '12', '13', '14', 'T')
5	7	0.0	0.48075	('1', '3', '8', '9', '11', '12', '14', '15', '17', 'T')
5	8	0.01044	0.27277	('10', '11', '12', '14', '16')
5	9	0.0	0.45445	('1', '2', '3', '4', '7', '8', '15', 'T')
5	10	0.0	0.47715	('2', '8', '9', '13', '14', '16', 'T')
5	11	0.0	0.47685	('1', '2', '3', '8', '9', '12', '13', '14', '15', 'T')
5	12	0.02787	0.16568	('1', '2', '3', '4', '6', '8', '9', '10', '11', '13', '14', '16', 'T')
5	13	0.0	0.48595	('1', '2', '3', '11', '12', '14', '16', 'T')
5	14	0.04689	0.10859	('1', '11', '12', 'T')
5	15	0.0	0.46725	('4', '6', '7', '13', '16', '17')
5	16	0.01067	0.25387	('2', '6', '12', '13')
5	17	0.0	0.47975	('2', '3', '4', '6', '10', '12', '13', 'T')
5	T	0.0	0.47485	('7', '9', '10', '12', '13', '14', '17')
6	7	0.08731	0.0457	('10', '13', '16')
6	8	0.0	0.47525	('1', '7', '9', '10', '16', 'T')
6	9	0.0	0.46565	('4', '5', '8', '12', '13', '15')
6	10	0.0	0.48825	('5', '7', '9', '16', 'T')
6	11	0.00646	0.67993	('10', '16')
6	12	0.0	0.48125	('1', '2', '7', '10', '11', '16')
6	13	0.0	0.48335	('1', '5', '7', '16', 'T')
6	14	0.0	0.47055	('1', '2', '4', '5', '8', '11', '12', '16', 'T')
6	15	0.0	0.46115	('1', '13', '16', 'T')
6	16	0.28893	0.0014	('2', '5', '7')
6	17	0.0	0.47865	('5', '8', '11', '14', '15', 'T')
6	T	0.0	0.46365	('1', '5', '8', '9', '13', '14', '16', '17')
7	8	0.0	0.49165	('1', '2', '6', '10', '11', '12', '13', '14', '15', '16')
7	9	0.0	0.49035	('2', '6', '10', '12', '13', '15', 'T')
7	10	0.09945	0.0373	('3', '6', '9', '12')
7	11	0.0	0.48975	('5', '6', '10', '15')
7	12	0.01342	0.25007	('1', '2', '5', '6', '9', '10')
7	13	0.0	0.49265	('1', '2', '10', '12', '16')
7	14	0.0	0.48145	('1', '2', '3', '5', '10', '12', 'T')
7	15	0.0	0.48095	('1', '3', '9', '12', '13', '14', '16')
7	16	0.0	0.49125	('6', 'T')
7	17	0.0	0.48435	('2', '3', '9', '10', '12')
7	T	0.0	0.46655	('2', '4', '5', '8', '9', '11', '12', '13', '15', '17')
8	9	0.0	0.46945	('6', '12', '14', '16', '17')
8	10	0.0229	0.18868	('7', '12', 'T')
8	11	0.02936	0.16098	('1', '5', '12', '13', '15', 'T')
8	12	0.01242	0.25767	('5', '7', '10', '11', 'T')
8	13	0.0	0.50075	('2', '5', '6', '9', '10', '12', '14', '15', 'T')
8	14	0.0	0.45025	('4', '6', '11', '15')
8	15	0.0	0.47155	('1', '2', '3', '4', '5', '7', '10', '17')
8	16	1e-05	0.48475	('5', '6', '11')
8	17	0.0	0.48675	('1', '3', '7', '9', '10', '11', '12', '15', '16')
8	T	0.0	0.47185	('2', '4', '5', '7', '9', '11', '15', '16', '17')
9	10	0.00165	0.38586	('7', '12', 'T')
9	11	0.0	0.47285	('2', '3', '6', '10', '12', '14', '16', '17')
9	12	0.04481	0.10889	('6', '7', '10', '11', '15', '17', 'T')
9	13	0.0	0.49075	('2', '7', '10', '12', '16', '17', 'T')
9	14	0.0	0.44676	('2', '15', '16', 'T')
9	15	0.02427	0.16768	('3', '11', '12')
9	16	0.0	0.46345	('1', '2', '4', '5', '7', '8', '10', '11', '12', '13', '14', '15')
9	17	0.04121	0.12009	('12', 'T')
9	T	0.12998	0.0226	('10', '11', '12')
10	11	0.01605	0.75252	('6', '7')
10	12	0.07891	0.0471	('3', '5', '6', '7', '8', '9', '17', 'T')
10	13	0.0	0.48745	('2', '4', '5', '6', '8', '11', '12', '16', 'T')
10	14	0.0	0.44656	('2', '11')
10	15	0.0	0.45035	('1', '4', '6', '7', '13', '17')
10	16	0.0	0.44156	('4', '6', '13', '15', 'T')
10	17	0.0	0.47475	('2', '3', '7', '9', '12', 'T')
10	T	0.0	0.47365	('3', '9', '11', '12', '13')
11	12	0.0	0.49625	('1', '2', '7', '8', '9', '10', '13', '14', '15', '16', 'T')
11	13	0.01251	0.25967	('1', '2', '5', 'T')
11	14	0.00133	0.39636	('1', '2', '5', '13', '15', 'T')
11	15	0.00145	0.39026	('3', '9', '13', '14', 'T')
11	16	0.0	0.47505	('6', '15')
11	17	0.0	0.47035	('9', '13', '14')
11	T	0.02744	0.17488	('1', '9', '12', '13', '14', '15')
12	13	0.02411	0.17278	('1', '2', '5', '6', '7', '9', '10', '11', 'T')
12	14	0.0	0.47985	('1', '2', '3', '4', '5', '7', '9', '11', '13', '15', '16')
12	15	0.0	0.47565	('1', '2', '3', '8', '11', 'T')
12	16	0.0	0.50105	('2', '3', '7', '8', '9', '13', '14', 'T')
12	17	0.00223	0.38806	('1', '5', '7', '9', '10', '11', 'T')
12	T	0.04964	0.10349	('5', '9', '10', '11', '13')
13	14	0.0	0.49995	('1', '3', '5', '6', '7', '9')
13	15	0.0	0.46385	('1', '2', '5', '6', '7', '10', '14', '17', 'T')
13	16	0.0	0.49305	('2', '6', '11')
13	17	0.0	0.50505	('1', '3', '5', '6', '7', '10', '12', '14', '16', 'T')
13	T	0.0	0.50335	('1', '2', '3', '6', '9', '10', '11')
14	15	0.0	0.47285	('1', '2', '5', '6', '8', '10', '11', '12', '13', 'T')
14	16	0.00119	0.54465	('1', '3', '11', '15', 'T')
14	17	0.0	0.45265	('1', '4', '6', '8', '11', '12', 'T')
14	T	0.0	0.45875	('1', '3', '5', '6', '7', '9', '11', '15')
15	16	0.0	0.44556	('1', '2', '6', '13', '17', 'T')
15	17	0.02238	0.80472	('1', '10', 'T')
15	T	0.0	0.45845	('3', '4', '5', '9', '11', '12', '13', '14')
16	17	0.0	0.47545	('1', '2', '7', '9', '12')
16	T	0.0	0.46775	('9', '10', '14', '15')
17	T	0.0	0.47455	('1', '7', '9', '10', '11', '12', '14', '16')

Table 10: South America

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.16553	0.88821	('9', '11', '13')
1	3	0.0	0.48765	('11', '12', '13')
1	4	0.13046	0.17518	('11', '13', 'T')
1	5	0.02366	0.55634	('11', 'T')
1	6	0.0	0.44256	('2', '3', '5', '7', '13', '15', '16', 'T')
1	7	0.12927	0.82282	('2', '5', '6', '10')
1	8	0.0	0.49625	('3', '6', '7', '9', '10', '11', '12', '14', '17', 'T')
1	9	0.08803	0.26107	('11', '12', '13', '17', 'T')
1	10	0.00316	0.48465	('2', '6', '7')
1	11	0.19285	0.08569	('3', '4', '9', '12')
1	12	0.18698	0.09489	('3', '5', '9', '11', '14', 'T')
1	13	0.03033	0.38866	('4', '9', '11')
1	14	0.01095	0.44086	('4', '8', '9', '11', '12', 'T')
1	15	0.0	0.44466	('3', '6', '9', '11', '13', 'T')
1	16	0.0	0.47305	('3', '5', '6', '10', '12', '13', '17')
1	17	0.0	0.49485	('3', '5', '8', '9', '12', '13')
1	T	0.15751	0.12479	('3', '4', '9', '11', '12', '13', '14', '17')
2	3	0.0	0.49565	('1', '7', '9', '10', '14', 'T')
2	4	0.0249	0.42596	('5', '6', '11', '16', 'T')
2	5	0.21769	0.05869	('7', '10', '16')
2	6	0.13342	0.15888	('4', '5', '7', '8', '10', '16')
2	7	0.05244	0.34877	('5', '6')
2	8	0.04539	0.36346	('5', '6', '11', '16')
2	9	0.21945	0.9554	('1', '3', '7', '13')
2	10	0.0	0.49095	('1', '3', '4', '8', '11', '12', '13', '14', '15', '16', '17')
2	11	0.0	0.48395	('1', '3', '4', '8', '9', '12', '13')
2	12	0.0	0.46915	('3', '5', '6', '7', '8', '11', '13', '14', '15', '16', '17', 'T')
2	13	0.11	0.78422	('5', '6', '12', '16')
2	14	0.0	0.45895	('1', '5', '6', '9', '11', '13', '15', '17', 'T')
2	15	0.0	0.44866	('5', '6', '7', '16', '17')
2	16	0.14078	0.14959	('4', '5', '8', '15', 'T')
2	17	0.01949	0.43106	('4', '5', '8', '12', '15', 'T')
2	T	0.0	0.46585	('3', '4', '5', '7', '8', '10', '13', '17')
3	4	0.0	0.49095	('1', '11', '13', '14', '16', '17', 'T')
3	5	0.04593	0.62734	('11', 'T')
3	6	0.16661	0.89271	('12', '13', 'T')
3	7	0.00949	0.52735	('5', '6')
3	8	0.0	0.49495	('1', '2', '10', '15', '16', '17')
3	9	0.06701	0.30757	('11', '12', '13', '17', 'T')
3	10	0.0	0.48865	('1', '2', 'T')
3	11	0.22387	0.05329	('4', '9', '10', '12', '14', '17', 'T')
3	12	0.2131	0.06309	('11',)
3	13	0.0305	0.39826	('4', '9', '11', 'T')
3	14	0.04427	0.34977	('4', '8', '9', '11', '12', 'T')
3	15	0.12716	0.82132	('11', '13', 'T')
3	16	0.0	0.48135	('2', '5', '6', '7', '10', '13', '17')
3	17	0.0114	0.46225	('9', '11', '12', 'T')
3	T	0.113	0.20658	('11', '12', '13', '14', '17')
4	5	0.0	0.49645	('1', '3', '6', '10', '11', '13', '14', '15', '16', '17', 'T')
4	6	0.06812	0.31777	('1', '2', '7', '10', '11', '16')
4	7	0.0	0.50625	('2', '5', '6', '9', '11', '16', '17', 'T')
4	8	0.0	0.49675	('1', '3', '9', '10', '12', '13', '14', '15', '16', '17', 'T')
4	9	0.04301	0.62464	('1', '2', '6', '11', '16')
4	10	0.0	0.50795	('1', '5', '6', '7', '11', '13', '14', '15', '16', '17')
4	11	0.11623	0.19468	('1', '2', '3', '6', '10', '14', '16', '17')
4	12	0.00632	0.51645	('6', '13', '16')
4	13	0.20591	0.07249	('1', '11')
4	14	0.07887	0.28517	('1', '3', '6', '8', '11', '15', '16', 'T')
4	15	0.01844	0.44326	('6', '10', '14', '16', 'T')
4	16	0.1071	0.22818	('1', '2', '5', '6', '11', '15', 'T')
4	17	0.0	0.50375	('1', '6', '7', '9', '11', '14', '15', 'T')
4	T	0.0	0.49155	('1', '3', '5', '6', '7', '10', '11', '13', '14', '17')
5	6	0.03033	0.39346	('2', '7', '10', '16')
5	7	0.04817	0.36166	('2', '10')
5	8	0.0	0.49215	('1', '6', '11', '14', '17', 'T')
5	9	0.0	0.48385	('1', '3', '6', '7', '12', '16')
5	10	0.0405	0.37786	('2', '6', '7', '12', '15')
5	11	0.0305	0.57994	('3', '4', '6', '12', '13', '14', '17', 'T')
5	12	0.0	0.48515	('1', '2', '7', '10', '11', '15', 'T')
5	13	0.0	0.47825	('2', '10')
5	14	0.08367	0.71633	('3', '4', '8', '11', '17', 'T')
5	15	0.0	0.45675	('1', '2', '10', '11', '14', '16', 'T')
5	16	0.07855	0.27927	('2',)
5	17	0.05079	0.63004	('11', 'T')
5	T	0.17079	0.89951	('3', '6', '11', '13', '14', '17')
6	7	0.22417	0.0452	('2', '10')
6	8	0.22041	0.05159	('2', '7', '10', '11', '15', '16')
6	9	0.05495	0.65683	('3', '12', '13')
6	10	0.09295	0.24168	('2', '5', '7', '11', '15')
6	11	0.0	0.46545	('1', '2', '10', '14', '16', 'T')
6	12	0.0	0.47205	('3', '9', '11', 'T')
6	13	0.06099	0.63794	('2', '5', '7', '8', '10', '16')
6	14	0.0	0.45695	('2', '5', '7', '10', '13', '16')
6	15	0.01	0.41806	('2', '7', '10', '16')
6	16	0.0	0.48715	('1', '2', '3', '4', '7', '8', '10', '14', '15', '17', 'T')
6	17	0.0	0.48465	('1', '4', '9', '12', '14', '15', '16')
6	T	0.06033	0.62764	('3', '12', '13')
7	8	0.0	0.49525	('4', '6', '11')
7	9	0.0	0.49455	('11', '13', '17', 'T')
7	10	0.12542	0.18388	('5', '6', '11')
7	11	0.0	0.48835	('9', '12', '14', '17')
7	12	0.0	0.49355	('6', '9', '14', '15', '17', 'T')
7	13	0.01342	0.45435	('4', '5', '6', '9', '10', '11')
7	14	0.02608	0.54765	('5', '6', '10', '13')
7	15	0.0	0.50845	('1', '2', '5', '14', '16', 'T')
7	16	0.04539	0.60934	('6', '9', '10', '11', '13')
7	17	0.07362	0.29267	('2', '6', '9', '10', 'T')
7	T	0.02387	0.41556	('2', '6', '10', '11', '13', '17')
8	9	0.04405	0.36796	('3', '5', '6', '7', '11', '13', '14', '15', '16', '17')
8	10	0.0	0.49745	('1', '3', '5', '14', '16', '17', 'T')
8	11	0.02966	0.41106	('2', '3', '6', '9', '10', '12', '14', '16', '17')
8	12	0.0	0.48395	('1', '4', '5', '6', '10', '11', '15', 'T')
8	13	0.1045	0.77972	('2', '6', '10', '14', '16', '17')
8	14	0.2297	0.05149	('3', '6', '11', '12', '15', '16')
8	15	0.0	0.50715	('3', '5', '9', '12', '16', '17')
8	16	0.147	0.14749	('2', '5', '6', '14', '15', 'T')
8	17	0.07849	0.28307	('2', '6', '7', '9', '11', '14', '15', 'T')
8	T	0.0	0.49515	('2', '4', '5', '7', '10', '11', '14', '15', '16')
9	10	0.0	0.48265	('2', '5', '7', '8', '11', '12', '13', '15', '16', '17', 'T')
9	11	0.0	0.48725	('1', '3', '5', '10', '12', '15', '17', 'T')
9	12	0.12025	0.19148	('1', '3', '5', '7', '10', '11', '17')
9	13	0.05692	0.33097	('2', '6')
9	14	0.0	0.46225	('1', '4', '5', '7', '16', 'T')
9	15	0.0	0.49425	('3', '6', '7', '11', '13')
9	16	0.08228	0.71023	('7', '10', '11', '13', '17')
9	17	0.32354	0.0093	('3', '7', '12', '15', 'T')
9	T	0.0	0.47815	('3', '5', '7', '10', '13', '14', '17')
10	11	0.1772	0.10379	('3', '6', '7', '12', '15')
10	12	0.0251	0.42236	('1', '2', '3', '5', '6', '7', '9', '11', '15')
10	13	0.0	0.46795	('2', '5', '6', '7', '12', '15')
10	14	0.0	0.47255	('5', '7', '11', '13')
10	15	0.11658	0.19818	('6', '12')
10	16	0.06372	0.66403	('6', '7', '9', '11', '13')
10	17	0.0	0.49015	('1', '2', '3', '5', '6', '7', '9', '11', '12', '13', '14', '15', '16', 'T')
10	T	0.0	0.47135	('2', '5', '6')
11	12	0.26881	0.0283	('1', '2', '3', '9', '10')
11	13	0.04171	0.37046	('3', '4', '9')
11	14	0.0	0.48105	('2', '3', '4', '5', '8', '10', '12', '15', 'T')
11	15	0.05158	0.62724	('3',)
11	16	0.04183	0.60174	('9', '10', '12', '13')
11	17	0.07064	0.30897	('2', '3', '4', '9', '10', '12', 'T')
11	T	0.0	0.47705	('3', '4', '5', '7', '9', '10', '12', '13', '14', '17')
12	13	0.07918	0.70343	('1', '2', '5', '10', '16', '17', 'T')
12	14	0.09182	0.23298	('3', '11', '15')
12	15	0.07225	0.28247	('1', '2', '5', '6', '10', '14', '16', '17')
12	16	0.0	0.46505	('3', '6', '7', '10', '13', '15', '17', 'T')
12	17	0.03146	0.39826	('1', '2', '3', '7', '9', '11', '15', 'T')
12	T	0.0	0.46235	('1', '2', '3', '7', '9', '10', '11', '13', '14', '15', '17')
13	14	0.0	0.45365	('2', '3', '5', '7', '8', '16', '17')
13	15	0.03332	0.55214	('2', '6', '10', '12', '16', '17')
13	16	0.02098	0.52885	('2', '5', '6', '8', '12', '15', 'T')
13	17	0.09327	0.74453	('2', '8', '10', '12', 'T')
13	T	0.0	0.44516	('2', '8', '9', '11', '14', '16')
14	15	0.0	0.45365	('4', '5', '7', '8', '10', '12', '16', 'T')
14	16	0.0	0.43186	('3', '7', '8', '10', '17')
14	17	0.0	0.48655	('2', '4', '6', '7', '8', '12', '13', '16', 'T')
14	T	0.04111	0.31617	('3', '4', '8', '11', '12', '17')
15	16	0.11925	0.18558	('2', '4', '5', '6', '12', 'T')
15	17	0.04517	0.35436	('2', '6', '9', '10', '12', '16', 'T')
15	T	0.0	0.45915	('4', '7', '9', '10', '11', '13', '14')
16	17	0.0	0.48395	('7', '9', '11')
16	T	0.0	0.44126	('1', '2', '3', '7', '10', '11', '14', '15', '17')
17	T	0.19465	0.08429	('1', '2', '3', '7', '9', '11')

Table 11: Latin America and the Caribbean

Var X	Var Y	min dcor	p-value	condition
1	2	0.01871	0.34057	('4', '5', '6', '7', '11', '13', '16', '17', 'T')
1	3	0.02145	0.31577	('9', '11', '15', '17')
1	4	0.21448	0.0001	('2', '5', '6', '9', '11', '17')
1	5	0.0	0.46795	('2', '3', '10', '11', '14', '16', '17')
1	6	0.07589	0.07139	('2', '7', '10', '11', '14', 'T')
1	7	0.08849	0.043	('5', '6', '9', '11', '17', 'T')
1	8	0.01	0.41066	('4', '5', '6', '7', '9', '11', '12', '13', '14', '16', '17', 'T')
1	9	0.07085	0.08379	('2', '3', '4', '7', '11', '12', '14', 'T')
1	10	0.0	0.46865	('3', '8', '11', '13', '15', 'T')
1	11	0.32023	0.0001	('2', '4', '6', '7', '9', '12', '13', '14', '16', '17', 'T')
1	12	0.0	0.47335	('2', '3', '4', '5', '7', '9', '10', '11', '13', '17')
1	13	0.20818	0.0006	('2', '4', '6', '7', '11')
1	14	0.0571	0.11869	('6', '11', '15', '17')
1	15	0.0	0.45035	('3', '4', '5', '7', '10', '13', '16', '17')
1	16	0.03606	0.22338	('2', '4', '8', '11', '14')
1	17	0.08136	0.05609	('2', '3', '4', '6', '7', '8', '10', '11', '12', '13', '14', 'T')
1	T	0.02408	0.29137	('2', '4', '6', '7', '9', '11', '12', '13', '14', '17')
2	3	0.0255	0.68873	('5', '6', '7', '13', '16')
2	4	0.09503	0.0328	('5', '6', '7', '11', '16', '17', 'T')
2	5	0.06656	0.09619	('4', '7', '8', '11', '12', '13', '16')
2	6	0.02074	0.31947	('7', 'T')
2	7	0.12071	0.0128	('5', '6', '9', '11', '12', '15', '16', '17', 'T')
2	8	0.0	0.47755	('4', '7', '11', '13', '14', '15', '16', '17')
2	9	0.0	0.47785	('5', '7', '11', '12', 'T')
2	10	0.02387	0.66563	('4', '5', '9', '11', '16')
2	11	0.0455	0.17118	('1', '4', '5', '7', '12', '15', '16', '17', 'T')
2	12	0.0249	0.29437	('5', '7', '9', '11', '15', '16', '17', 'T')
2	13	0.05301	0.13749	('1', '4', '5', '6', '7', '16', 'T')
2	14	0.0	0.47425	('1', '3', '8', '9', '10', '11', '16')
2	15	0.0253	0.28787	('3', '5', '6', '7', '11', '14')
2	16	0.08191	0.05679	('1', '4', '5', '7', '8', '11', 'T')
2	17	0.08361	0.05089	('4', '5', '6', '7', '8', '11', '12', '13', '15', '16', 'T')
2	T	0.0114	0.38866	('5', '6', '7', '11', '12', '13', '16', '17')
3	4	0.0	0.49415	('1', '2', '5', '6', '7', '14', '15', '17')
3	5	0.03	0.72233	('15', 'T')
3	6	0.0614	0.89721	('2', '5', '7', 'T')
3	7	0.0	0.47975	('2', '6', '10', '13', '14', '16', 'T')
3	8	0.0	0.48615	('2', '4', '9', '10', '13', '15', '17', 'T')
3	9	0.03317	0.24978	('1', '7', '11', '12', '15', '17', 'T')
3	10	0.00837	0.41776	('1', '12', '15', '17')
3	11	0.0	0.47365	('4', '5', '7', '15', '16', '17', 'T')
3	12	0.0	0.47435	('2', '5', '8', '13', 'T')
3	13	0.04025	0.78382	('2', '5', '6', '7')
3	14	0.0	0.48525	('6', 'T')
3	15	0.14758	0.0058	('1', '6', '7', '10', '11', '14', '17')
3	16	0.0	0.49295	('15', 'T')
3	17	0.10517	0.019	('1', '8', '10', '11', '12', '15', 'T')
3	T	0.0	0.47455	('4', '5', '7', '10', '13', '14')
4	5	0.0996	0.0297	('1', '2', '7', '8', '11')
4	6	0.0	0.49375	('2', '5', '7', '11', '17')
4	7	0.0	0.47265	('1', '5', '6', '9', '17', 'T')
4	8	0.06066	0.11599	('1', '2', '5', '9', '11', '16', '17', 'T')
4	9	0.04025	0.20828	('1', '2', '5', '7', '8', '11', '12', 'T')
4	10	0.03362	0.73663	('2', '5', '11')
4	11	0.02588	0.28967	('1', 'T')
4	12	0.0	0.47795	('1', '3', '9', '10', '11', '14', '16', 'T')
4	13	0.07576	0.06719	('1',)
4	14	0.0	0.47495	('1', '3', '6', '7', '8', '9', '10', '12')
4	15	0.0	0.50215	('1', '5', '13', '16', 'T')
4	16	0.01581	0.36406	('1', '2', '5', '8', '11')
4	17	0.0772	0.06199	('1', '2', '5', '7', '8', '11', 'T')
4	T	0.0	0.47785	('1', '2', '5', '6', '7', '8', '9', '11', '14', '17')
5	6	0.0595	0.90131	('10', '15', 'T')
5	7	0.01517	0.34417	('1', '2', '4', '8', '9', '10', '11', '12', '13')
5	8	0.1008	0.0304	('2', '4', '7', '11', '12', '13', '16', '17')
5	9	0.0	0.46565	('2', '4', '8', '11', '14', '15', '16', '17')
5	10	0.01449	0.58924	('3', '6', '15', 'T')
5	11	0.02881	0.24408	('1', '2', '4', '7', '8', '12', '16', 'T')
5	12	0.00775	0.40076	('1', '2', '4', '7', '8', '9', '10', '11', '13', '17')
5	13	0.0	0.46075	('2', '4', '6', '11', '14', '15')
5	14	0.01817	0.61024	('6', '15', 'T')
5	15	0.05339	0.87461	('3', '6', '10', '14', 'T')
5	16	0.0	0.46635	('4', '6', '7', '13', '14')
5	17	0.0	0.47555	('2', '6', '8', '9', '12', 'T')
5	T	0.0	0.46135	('3', '6', '10', '11', '14')
6	7	0.07714	0.06709	('1', '2', 'T')
6	8	0.02429	0.29367	('2', '7', '10', '11', '14', '17', 'T')
6	9	0.0	0.47255	('1', '2', '4', '5', '7', '8', '10', '11', '12', '13', '15', '16', '17')
6	10	0.03066	0.25407	('7', '12', '15', '17', 'T')
6	11	0.00447	0.50715	('1',)
6	12	0.0	0.45065	('2', '7', '10', '11', 'T')
6	13	0.00707	0.41346	('1', 'T')
6	14	0.01949	0.31217	('1', 'T')
6	15	0.0	0.44706	('1', '2', '5', '7', '10', '11', '14', 'T')
6	16	0.00447	0.43926	('1', '2', '7', '8', '10', '11', '14', 'T')
6	17	0.01924	0.33747	('2', '4', '7', '8', '10', '11', '12', '14', 'T')
6	T	0.10095	0.0351	('2', '7', '10', '11')
7	8	0.05604	0.13119	('2', '5', '6', '9', '10', '12', '16', '17', 'T')
7	9	0.17618	0.0017	('1', '2', '12', 'T')
7	10	0.07036	0.08589	('6', '9', '12', '15', '17')
7	11	0.03674	0.20798	('1', '2', '12', 'T')
7	12	0.12582	0.0146	('3', '6', '9', '10', '11', '17', 'T')
7	13	0.06099	0.10959	('1', '2')
7	14	0.0	0.44326	('2', '3', '5', '9', '10', '13', '16', 'T')
7	15	0.02569	0.25647	('2', '3', '6', '9', '10', '11', '12', '14')
7	16	0.0	0.47055	('5', '6', '9', '10', '12', '13', '15')
7	17	0.10789	0.0236	('1', '2', '5', '6', '8', '9', '10', '11', '12', '13', '15', 'T')
7	T	0.05822	0.12199	('6', '9', '11', '12', '17')
8	9	0.07981	0.06069	('2', '4', '5', '7', '11', '12', '14', '16', '17', 'T')
8	10	0.0	0.48265	('6', '7', '12', '13', '15', '16', '17', 'T')
8	11	0.0	0.47075	('1', '3', '7', '12', '14', '16', '17')
8	12	0.04254	0.18598	('1', '5', '7', '9', '10', '11', '17', 'T')
8	13	0.0	0.47295	('1', '2', '4', '5', '6', '7', '17', 'T')
8	14	0.05727	0.12189	('9', '11', '15', '16', '17', 'T')
8	15	0.02811	0.69293	('5', '13', '16', 'T')
8	16	0.10055	0.0286	('1', '2', '4', '5', '11', '14', '17', 'T')
8	17	0.34575	0.0001	('2', '3', '4', '5', '6', '7', '9', '10', '11', '12', '13', '14', '16', 'T')
8	T	0.11756	0.0184	('6', '7', '9', '11', '12', '13', '16', '17')
9	10	0.02983	0.71813	('2', '4', '5', '11', 'T')
9	11	0.01817	0.32457	('1', '7', '12', 'T')
9	12	0.08871	0.0447	('1', '7', 'T')
9	13	0.0	0.47235	('3', '4', '6', '7', '8', '11', '12', '14')
9	14	0.01265	0.37276	('7', '8', '11', '12', '15', '17')
9	15	0.01225	0.56524	('4', '5', '8', '12', '13', '16', 'T')
9	16	0.0	0.47735	('5', '6', '7', '10')
9	17	0.0	0.47755	('1', '3', '4', '8', '10', '11', '13', '15', '16', 'T')
9	T	0.02145	0.30657	('6', '7', '8', '11', '12')
10	11	0.01378	0.58134	('2', '4', '5', '9', '16', 'T')
10	12	0.07842	0.06679	('1', '6', '7', '15', '17')
10	13	0.0	0.46555	('6', '7', '11', '15', '17')
10	14	0.00548	0.49665	('6', '7', '13')
10	15	0.07106	0.08709	('1', '3', '6', '7', '12', '14')
10	16	0.00447	0.50145	('6', '7', '12', '13', '15')
10	17	0.09716	0.028	('1', '3', '6', '7', '8', '12', '13', '15')
10	T	0.0	0.46585	('1', '4', '5', '6', '7', '9', '13')
11	12	0.1333	0.0133	('1', '2', '5', '7', '9', '17', 'T')
11	13	0.00447	0.41416	('1', '2', '4', '6', '7', '12', '16', 'T')
11	14	0.05109	0.14409	('1',)
11	15	0.01761	0.30787	('1', '2', '3', '6', '7', '12', '14', 'T')
11	16	0.07308	0.07599	('1', 'T')
11	17	0.0895	0.0491	('1', 'T')
11	T	0.18243	0.0038	('2', '4', '6', '7', '9', '12', '13', '14', '16', '17')
12	13	0.0	0.45745	('3', '4', '6', '10', '14', '16')
12	14	0.0	0.44286	('1', '3', '6', '9', '10', '15', 'T')
12	15	0.0	0.43876	('2', '3', '7', '9', '13', '14', 'T')
12	16	0.00837	0.52945	('7', '10', '15', 'T')
12	17	0.14741	0.0046	('1', '2', '7', '8', '9', '10', '11', 'T')
12	T	0.0712	0.08299	('6', '7', '9', '10', '11', '13', '17')
13	14	0.01414	0.56524	('5', '7', '10')
13	15	0.03715	0.77342	('3', '10', '14', '16')
13	16	0.00548	0.51255	('6', '7', '12')
13	17	0.0	0.47625	('2', '4', '6', '7', '8', '11', '14', '16')
13	T	0.01183	0.37306	('1', '2', '4', '6', '7', '8', '11', '12')
14	15	0.04494	0.15938	('3', '6', '10', '11', '17')
14	16	0.0	0.43676	('1', '2', '8', '11', '15', '17')
14	17	0.09284	0.0406	('8', '11', '12', '15', 'T')
14	T	0.01414	0.33347	('6', '8', '11', '15', '17')
15	16	0.02793	0.69393	('2', '4', '5', '8', '13', 'T')
15	17	0.0	0.47765	('1', '3', '4', '6', '8', '11', '12', '13', '14', 'T')
15	T	0.0	0.43566	('3', '5', '6', '10', '12', '13', '14', '16')
16	17	0.0	0.48655	('2', '5', '11', 'T')
16	T	0.00447	0.48375	('6', '7', '12', '13', '15')
17	T	0.07014	0.08239	('2', '6', '7', '8', '11', '12', '13', '14')

Table 12: Americas

Var X	Var Y	min dcor	p-value	condition
1	2	0.00548	0.44226	('4', '5', '6', '7', '11', '13', '14', '16', '17', 'T')
1	3	0.02366	0.29207	('4', '9', '10', '11', '12', '13', '15', '16', '17', 'T')
1	4	0.22168	0.0001	('2', '5', '6', '9', '11', '16', '17')
1	5	0.0	0.47685	('2', '7', '10', '11', '12', '14', '15', '16', '17', 'T')
1	6	0.08444	0.0423	('2', '4', '7', '8', '10', '11', '12', '13', '14', '16')
1	7	0.10296	0.0241	('2', '4', '5', '6', '9', '10', '11', '12', '13', '16', '17')
1	8	0.02627	0.26327	('4', '5', '6', '7', '9', '10', '11', '13', '14', '16', '17', 'T')
1	9	0.03578	0.20728	('4', '6', '7', '11', '12', '14', 'T')
1	10	0.0	0.46055	('6', '9', '13', '14', '16', '17')
1	11	0.2895	0.0001	('2', '4', '7', '12', '14', '16', '17', 'T')
1	12	0.0	0.46475	('2', '6', '9', '11', '13', '16', '17')
1	13	0.20496	0.0006	('4', '6', '7', '10', '11', 'T')
1	14	0.0545	0.11039	('6', '9', '11', '15', '17')
1	15	0.0	0.44806	('3', '6', '8', '9', '12', '17')
1	16	0.0655	0.08199	('2', '6', '11')
1	17	0.08216	0.0406	('2', '3', '4', '6', '7', '8', '10', '11', '12', '13', '14', 'T')
1	T	0.01581	0.33217	('6', '7', '11', '12', '13', '14', '16', '17')
2	3	0.02098	0.65613	('5', '6', '13')
2	4	0.09143	0.0251	('5', '6', '7', '11', '16', '17')
2	5	0.04324	0.18248	('4', '7', '11', '12', '13', '16')
2	6	0.00447	0.44456	('7', '16')
2	7	0.11891	0.0105	('4', '5', '6', '9', '11', '12', '13', '15', '16', '17', 'T')
2	8	0.0	0.47785	('3', '7', '9', '10', '11', '13', '16', '17', 'T')
2	9	0.0	0.48475	('4', '5', '7', '8', '11', '12', '13', '14', '16', 'T')
2	10	0.00775	0.53425	('4', '11', '16', 'T')
2	11	0.05975	0.09789	('4', '5', '7', '12', '16', '17', 'T')
2	12	0.0305	0.24468	('5', '6', '7', '9', '11', '16', '17', 'T')
2	13	0.03688	0.20188	('1', '4', '6', '7', '16', 'T')
2	14	0.00316	0.44346	('5', '6', '7', '11', '15', '16', '17', 'T')
2	15	0.00894	0.39156	('3', '7', '11', '14')
2	16	0.08491	0.0427	('1', '4', '5', '6', '7', '11', '12', '14', 'T')
2	17	0.07675	0.05629	('4', '5', '6', '7', '11', '12', '13', '14', '16', 'T')
2	T	0.01	0.38286	('5', '6', '7', '11', '12', '13', '14', '16', '17')
3	4	0.0	0.49535	('1', '2', '5', '6', '9', '11', '15', '17')
3	5	0.01304	0.59774	('15', 'T')
3	6	0.02025	0.65283	('13',)
3	7	0.0	0.49145	('1', '2', '5', '9', '10', '12', '14', '15', '16', 'T')
3	8	0.0	0.48575	('4', '5', '9', '10', '14', '15', '17')
3	9	0.02665	0.28117	('1', '7', '11', '12', '15', '17')
3	10	0.02739	0.27207	('1', '7', '12', '15', '17')
3	11	0.0	0.47645	('1', '2', '5', '7', '12', '13', '16', '17', 'T')
3	12	0.0	0.47195	('1', '7', '10', '13', '14', '16', '17', 'T')
3	13	0.02236	0.66913	('15',)
3	14	0.0	0.47045	('1', '2', '4', '7', '12', '15')
3	15	0.13168	0.0084	('1', '7', '10', '11', '14', '17')
3	16	0.0	0.49275	('1', '2', '5', '6', '7', '8', '11', '15', '17')
3	17	0.09165	0.0271	('1', '8', '10', '11', '12', '15', 'T')
3	T	0.0	0.47375	('1', '2', '7', '9', '12', '14', '16', '17')
4	5	0.10821	0.0167	('1', '2', '7', '8', '11')
4	6	0.0	0.48385	('1',)
4	7	0.0	0.48435	('2', '5', '6', '8', '9', '11', '12', '13', '16', '17', 'T')
4	8	0.0506	0.13169	('1', '2', '5', '6', '9', '11', '16', '17')
4	9	0.03	0.24798	('1', '2', '3', '5', '6', '7', '8', '11', '12')
4	10	0.01265	0.59724	('2', '11')
4	11	0.03962	0.18788	('1', 'T')
4	12	0.0	0.48255	('2', '3', '5', '6', '10')
4	13	0.06535	0.08469	('1',)
4	14	0.0	0.47295	('2', '5', '13')
4	15	0.0	0.47395	('5', '9', '16')
4	16	0.01844	0.34317	('1', '2', '5', '11')
4	17	0.07849	0.05539	('1', '2', '5', '8', '11', '13')
4	T	0.0	0.47405	('2', '5', '6', '7', '9', '11', '13', '15', '16')
5	6	0.0	0.48205	('1', '14', 'T')
5	7	0.02569	0.26967	('1', '2', '4', '6', '8', '9', '10', '11', '12', '13')
5	8	0.09685	0.0282	('2', '4', '7', '12', '13', '16', '17')
5	9	0.0	0.47505	('1', '2', '6', '7', '8', '11', '13', '14', '15', '17')
5	10	0.0	0.46195	('1', '3', '7', '11', '12', '15', '16', '17')
5	11	0.01949	0.29677	('1', '2', '4', '7', '12', '16', '17', 'T')
5	12	0.03225	0.21998	('1', '2', '4', '7', '8', '9', '10', '11', '13', '17')
5	13	0.0	0.46145	('1', '11', '12', '15', '17')
5	14	0.01342	0.57574	('4', '10', '13')
5	15	0.03975	0.81062	('4', '9', '12', '13', '16', 'T')
5	16	0.0	0.45625	('1', '2', '4', '7', '8', '11', '13', 'T')
5	17	0.0	0.48525	('1', '2', '3', '7', '8', '12')
5	T	0.00316	0.48265	('3', '6', '14', '15')
6	7	0.21746	0.0003	('1', '2', '8', '9', '10', '12', '13', '16')
6	8	0.07912	0.05019	('5', '7', '9', '10', '12', '14', '16', '17')
6	9	0.01342	0.35836	('1', '7')
6	10	0.00548	0.42146	('7',)
6	11	0.0	0.44396	('3', '10', '12')
6	12	0.02983	0.24178	('1', '7', '10')
6	13	0.04764	0.14739	('7',)
6	14	0.02049	0.28637	('2', '7', '8', '9', '11', '12', '15', '16', '17')
6	15	0.00316	0.47105	('1', '5', '9', '13', '16', 'T')
6	16	0.07376	0.06519	('1', '2', '4', '7', '8', '11', '12', '14')
6	17	0.0	0.47865	('1', '2', '3', '5', '7', '8', '9', '10', '11', '14')
6	T	0.01643	0.31737	('2', '7', '8', '11', '12', '13', '14', '16')
7	8	0.10488	0.0203	('5', '6', '9', '10', '17', 'T')
7	9	0.17173	0.0009	('1', '2', '5', '6', '8', '11', '12')
7	10	0.12012	0.0119	('5', '6', '12', '15', '17')
7	11	0.00775	0.38456	('1', '2', '5', '6', '9', '12', '16', '17', 'T')
7	12	0.11476	0.0165	('5', '6', '9', '10', '11', '17', 'T')
7	13	0.13874	0.0085	('1', '2', '10')
7	14	0.0	0.44636	('1', '2', '3', '5', '6', '8', '12', '13', '15')
7	15	0.00632	0.38216	('2', '3', '6', '9', '10', '11', '14')
7	16	0.0	0.46265	('1', '2', '4', '6', '10', '11', '12', '14', 'T')
7	17	0.09301	0.028	('1', '2', '5', '6', '8', '9', '10', '11', '12', '13', 'T')
7	T	0.0	0.45365	('2', '3', '6', '8', '11', '12', '13', '14', '17')
8	9	0.0937	0.0306	('4', '5', '6', '7', '11', '12', '14', '16', '17', 'T')
8	10	0.04593	0.15968	('5', '6', '7', '12', '13', '15', '17')
8	11	0.0	0.46475	('1', '3', '4', '10', '12', '13', '15', '16', '17')
8	12	0.0	0.47475	('1', '2', '6', '7', '9', '10', '11', '13', '17')
8	13	0.01581	0.34217	('1', '4', '6', '7', '10', '16', '17', 'T')
8	14	0.03768	0.18878	('6', '9', '11', '15', '16', '17', 'T')
8	15	0.0	0.44846	('1', '9', '12', '16')
8	16	0.08319	0.0466	('1', '2', '4', '5', '6', '7', '11', '14', '17', 'T')
8	17	0.36238	0.0001	('2', '3', '4', '5', '6', '7', '9', '10', '11', '12', '14', '16', 'T')
8	T	0.0679	0.07959	('6', '7', '9', '11', '12', '13', '14', '16', '17')
9	10	0.01871	0.63914	('2', '4', '11', '16', 'T')
9	11	0.01304	0.36386	('1', '2', '7', '12', 'T')
9	12	0.13004	0.0084	('1', '7', 'T')
9	13	0.0	0.47565	('3', '5', '7', '10', '11', '12', '14', '16', '17', 'T')
9	14	0.02324	0.28357	('2', '6', '7', '8', '11', '12', '15', '17', 'T')
9	15	0.02191	0.65833	('5', '12', '13', '16')
9	16	0.0	0.47825	('2', '3', '10', '11', '15', 'T')
9	17	0.0	0.48455	('1', '5', '6', '7', '12', '13', 'T')
9	T	0.00632	0.41996	('7', '11', '12')
10	11	0.01414	0.58414	('2', '4', '9', '16', 'T')
10	12	0.08349	0.045	('1', '5', '6', '7', '15', '17', 'T')
10	13	0.04561	0.15318	('6', '7', '17')
10	14	0.0	0.45535	('3', '5', '13')
10	15	0.06656	0.08029	('3', '7', '12', '14')
10	16	0.01844	0.62524	('2', '11')
10	17	0.0993	0.0226	('1', '3', '6', '7', '8', '12', '13', '15')
10	T	0.0	0.45585	('2', '5', '11')
11	12	0.1064	0.0264	('1', '2', '5', '7', '9', '16', '17', 'T')
11	13	0.0	0.44866	('2', '4', '5', '6', '10', '12', '15', '17')
11	14	0.02627	0.24848	('1', 'T')
11	15	0.01949	0.28197	('2', '3', '7', '12', '14', 'T')
11	16	0.0395	0.18658	('1',)
11	17	0.07727	0.06139	('1', 'T')
11	T	0.18582	0.0023	('2', '9', '12', '14', '16', '17')
12	13	0.0	0.45445	('1', '3', '4', '6', '10', '14', '16')
12	14	0.0	0.45165	('1', '2', '6', '8', '9', '10')
12	15	0.0	0.43786	('1', '2', '5', '6', '8', '9', '11', '14', 'T')
12	16	0.0	0.46425	('3', '4', '5', '6', '8', '9', '11', '13', '17')
12	17	0.11739	0.01	('1', '2', '5', '6', '7', '8', '9', '10', '11', 'T')
12	T	0.08826	0.0442	('2', '6', '7', '9', '10', '11', '13', '17')
13	14	0.0	0.44216	('1', '4', '10', '12', '15')
13	15	0.0251	0.66893	('1', '4', '5', '9', '16', 'T')
13	16	0.0	0.45015	('1', '2')
13	17	0.00548	0.43086	('1', '2', '4', '6', '7', '8', '10', '12', 'T')
13	T	0.01483	0.32087	('6', '7', '11')
14	15	0.04626	0.13919	('2', '3', '6', '7', '10', '11', '17')
14	16	0.0114	0.35396	('1', '2', '6', '8', '11', '15', '17', 'T')
14	17	0.08809	0.0389	('2', '6', '8', '11', '12', '15', 'T')
14	T	0.03886	0.17298	('6', '11', '12', '15', '17')
15	16	0.01095	0.54795	('1', '5', '13')
15	17	0.0	0.46225	('2', '3', '4', '5', '6', '9', '10', '11', '12', '13', 'T')
15	T	0.0	0.42956	('1', '3', '4', '8', '12', '13', '17')
16	17	0.0	0.47075	('2', '3', '4', '5', '6', '9', '11', '15')
16	T	0.0	0.46065	('2', '4', '6', '7', '9', '10', '14', '15')
17	T	0.06269	0.09129	('2', '3', '6', '7', '8', '11', '12', '13', '14')

Table 13: Central and Eastern Asia

Var X	Var Y	min dcor	p-value	condition
1	2	0.21909	0.13379	('6', '7', '9', '13', '14', '16')
1	3	0.0	0.47835	('2', '6', '7', '8', '12', '13', '15', '16', '17', 'T')
1	4	0.0	0.48775	('2', '6', '7', '8', '11', '12', '13', '14', '16', '17')
1	5	0.02898	0.55494	('2', '13', '16')
1	6	0.0	0.47305	('2', '8', '9', '15', '17', 'T')
1	7	0.0	0.49485	('2', '3', '11', '12', 'T')
1	8	0.12276	0.25477	('2', '6', '9', '12', '13', '14', '16')
1	9	0.19053	0.16108	('2', '6', '16', '17')
1	10	0.0	0.47185	('6', '13', '14', '15', '16', 'T')
1	11	0.05206	0.58474	('2', '4', '8', '9', '13', '14', '15', '16', '17')
1	12	0.0	0.48165	('2', '3', '4', '5', '8', '13', '17')
1	13	0.0	0.49215	('2', '3', '5', '7', '10', '11', '14', '16', 'T')
1	14	0.01049	0.48115	('2', '13', '16')
1	15	0.0	0.48705	('3', '13', '14', '16')
1	16	0.0	0.50245	('3', '4', '5', '6', '8', '10', '11', '12', '17')
1	17	0.30274	0.05979	('2', '3', '5', '6', '9', '13', '14', '16')
1	T	0.0	0.48545	('3', '4', '5', '7', '11', '13', '17')
2	3	0.0	0.48735	('1', '6', '7', '9', '10', '11', '12', '13', '16', 'T')
2	4	0.0	0.48275	('1', '7', '8', '11', '16')
2	5	0.0	0.47185	('1', '6', '8', '11', '13', '14', '15')
2	6	0.09879	0.30997	('1', '3', '7', '8', '9', '10', '11', '13', '14')
2	7	0.07029	0.36306	('1', '6', '10', 'T')
2	8	0.0	0.49325	('1', '5', '6', '7', '9', '11', '12', '13')
2	9	0.06964	0.35856	('1', '6', '16')
2	10	0.01949	0.44626	('1', 'T')
2	11	0.0	0.48045	('1', '6', '7', '13', '16', 'T')
2	12	0.0	0.48265	('3', '5', '6', '7', '9', '10', '11', '13', '14', '16', '17')
2	13	0.04183	0.57634	('1', '9', '10', 'T')
2	14	0.08081	0.32917	('1',)
2	15	0.0	0.46965	('1', '3', '8', '10', '11', '14', '16', 'T')
2	16	0.0	0.48345	('5', '7', '8', '9', '11', '13', '14', 'T')
2	17	0.0	0.49655	('1', '5', '6', '7', '11', '12', '14', '16', 'T')
2	T	0.0	0.48485	('1', '3', '5', '6', '7', '10', '11')
3	4	0.41451	0.0165	('1', '6', '9', '10', '14', '15', '16', 'T')
3	5	0.0	0.51315	('4', '8', '9', '11', '12', '13', '14', '15', '17', 'T')
3	6	0.0	0.49565	('1', '2', '4', '8', '9', '11', '12', '14', '15', '16', '17', 'T')
3	7	0.0	0.49725	('2', '4', '5', '6', '8', '9', '10', '11', '13', '14', '15', 'T')
3	8	0.0	0.49515	('2', '5', '10', '11', '12', '15', '17', 'T')
3	9	0.0	0.46915	('2', '5', '6', '7', '16', 'T')
3	10	0.0	0.45805	('1', '2', '6', '8', '11', '13', '15', 'T')
3	11	0.0	0.49595	('5', '6', '7', '12', '13', '16', 'T')
3	12	0.22784	0.11479	('1', '2', '4', '6', '8', '9', '10', '11', '15', '16', '17', 'T')
3	13	0.0	0.44446	('1', '7', '8', '10', '15', '16')
3	14	0.0	0.49285	('1', '2', '4', '5', '6', '7', '11', '16', '17')
3	15	0.02236	0.37826	('1', '16')
3	16	0.10858	0.29067	('9', '10', '11', '12', '15', '17')
3	17	0.04722	0.39086	('1', '5', '6', '16', 'T')
3	T	0.27104	0.08529	('2', '6', '7', '11', '16', '17')
4	5	0.0	0.45925	('1', '7', '8', '10', '11', '16', '17')
4	6	0.0	0.49275	('2', '3', '9', '13')
4	7	0.01924	0.52285	('1', '2', '5', '8', '10', '11', '15')
4	8	0.21991	0.86621	('3', '10', '15')
4	9	0.0	0.47695	('2', '3', '14', '16', 'T')
4	10	0.0	0.46585	('3', '7', '16')
4	11	0.11675	0.71123	('7', '8', '13', 'T')
4	12	0.0	0.45735	('1', '7', '14')
4	13	0.01378	0.43426	('3', '6', '14', '15', '16')
4	14	0.0	0.46025	('1', '7', '11', '13')
4	15	0.0	0.44616	('5', '6', '8', '9', '11', '13', '16', '17')
4	16	0.0	0.49765	('3', '9', '10', '13')
4	17	0.0	0.48345	('1', '5', '6', '7', '8', '9', '11', 'T')
4	T	0.0	0.46485	('3', '6', '7', '9', '11', '12', '13', '15')
5	6	0.0	0.49265	('1', '2', '7', '8', '9', '10', '13', '15', '17')
5	7	0.22836	0.11799	('1', '10', '13', 'T')
5	8	0.01975	0.51815	('10', '13', '15', 'T')
5	9	0.0	0.46095	('2', '4', '7', '8', '10', '12', '14', '15', '17', 'T')
5	10	0.11857	0.26067	('T',)
5	11	0.0	0.43876	('2', '3', '4', '13', '15', '17', 'T')
5	12	0.0	0.46275	('2', '8', '11', '13', '14', '15')
5	13	0.0	0.46695	('7', '9', '10', '14', '17', 'T')
5	14	0.0	0.44676	('3', '6', '7', '8', '9', '10', 'T')
5	15	0.0	0.44326	('7', '8', '9', '10', '11', '14', '17')
5	16	0.12938	0.73853	('6', '7', '14')
5	17	0.26336	0.09399	('3', '6', '7', '10', '13', '14', 'T')
5	T	0.0	0.45225	('3', '6', '7', '11')
6	7	0.04025	0.42826	('2', '3', '5', '8', '9', '10', '15', 'T')
6	8	0.11278	0.27387	('1', '2', '9', '12', '13')
6	9	0.22572	0.12469	('2', '3', '7', '8', 'T')
6	10	0.0	0.45775	('1', '7', '9', '12', '13', '14', '16', '17')
6	11	0.0	0.47175	('3', '7', '8', '10', '13', '14', '15', 'T')
6	12	0.0	0.48945	('2', '3', '5', '8', '9', '10', '11', '16', 'T')
6	13	0.0	0.43876	('1', '2', '3', '5', '7', '11', '12', '14', '15', '16', '17')
6	14	0.07106	0.62164	('7', '9', '11')
6	15	0.0	0.49205	('1', '3', '5', '8', '9', '10', '11', '13', '16')
6	16	0.18036	0.82042	('1', '2', '5', '7', '13')
6	17	0.0	0.49765	('3', '5', '9', '13')
6	T	0.0	0.45745	('3', '4', '7', '8', '11', '12', '13', '14', '17')
7	8	0.0	0.49615	('1', '5', '9', '10', '11', '12', '17', 'T')
7	9	0.0	0.47935	('2', '3', '6', '10', '12', '16', '17', 'T')
7	10	0.37854	0.0235	('2', '5')
7	11	0.0	0.47005	('1', '2', '3', '5', '6', '10', '12', '16', 'T')
7	12	0.0	0.47405	('1', '2', '3', '6', '8', '9', '11', '13', '16', '17', 'T')
7	13	0.0	0.46975	('2', '3', '5', '6', '8', '9', '10', '12', '14', 'T')
7	14	0.09343	0.65963	('6', '10', '16', 'T')
7	15	0.0	0.46535	('1', '2', '3', '4', '6', '8', '9', '11', '13')
7	16	0.00447	0.51225	('1', '5', '6')
7	17	0.0	0.50075	('2', '3', '5', '10', '13', '15', 'T')
7	T	0.18218	0.16898	('2', '3', '5', '10', '11', '13')
8	9	0.0	0.48255	('1', '6', '16')
8	10	0.0	0.48055	('1', '2', '5', '6', '7', '12', '13', '14', '15', '17')
8	11	0.0	0.47975	('5', '9', '10', '15', '17')
8	12	0.37885	0.0276	('1', '6', '16')
8	13	0.0	0.48455	('1', '2', '5', '9', '10', '12', '14', 'T')
8	14	0.0	0.49835	('1', '3', '5', '6', '7', '9', '12', '17', 'T')
8	15	0.31599	0.963	('1', '2', '6', '9', '10', '12')
8	16	0.0	0.49595	('1', '2', '3', '6', '10', '11', '12', '17')
8	17	0.0	0.49005	('1', '2', '3', '6', '7', '9', '10', '11', '14')
8	T	0.0	0.47075	('1', '3', '5', '11', '13', '15', '16')
9	10	0.0	0.44496	('1', '4', '5', '8', '12', '14', '17', 'T')
9	11	0.0	0.46095	('4', '7', '8', '10', '16', '17')
9	12	0.0	0.45245	('1', '2', '3', '6', '8', '10', '11', '16', '17')
9	13	0.0886	0.66433	('2', '8', '10', '17', 'T')
9	14	0.1031	0.69353	('6', '7', '16')
9	15	0.15515	0.77072	('2', '5', '6', '8', '10', '16', 'T')
9	16	0.0855	0.32717	('3', '10', '12', '17')
9	17	0.11515	0.27677	('1', '5', '6', '16')
9	T	0.0	0.46785	('3', '6', '17')
10	11	0.0	0.43486	('2', '3', '4', '5', '6', '12', '13', '15')
10	12	0.09492	0.26947	('2', '5', '7', '8', '11', '16')
10	13	0.2126	0.88881	('6', '14', '15', '16')
10	14	0.00548	0.47845	('5', '7', '16')
10	15	0.11968	0.70653	('2', '5', '7', '8', '9')
10	16	0.0	0.50635	('2', '3', '8', '11', '13', '15', '17', 'T')
10	17	0.0	0.47925	('2', '3', '5', '7', '8', '9', '11', '12', '14', 'T')
10	T	0.0	0.40126	('3', '5', '14', '15')
11	12	0.13304	0.23958	('2', '3', '16', 'T')
11	13	0.0	0.46705	('12', '14', '15', '16', 'T')
11	14	0.01095	0.50145	('7', '16', 'T')
11	15	0.0	0.44356	('2', '3', '5', '6', '17', 'T')
11	16	0.0	0.46845	('1', '2', '3', '9', '12', '15')
11	17	0.0	0.49735	('5', '9', '14', '16')
11	T	0.42544	0.0312	('2', '3', '7', '12')
12	13	0.0	0.44096	('1', '4', '5', '6', '8', '9', '16')
12	14	0.0	0.45555	('3', '7', '8', '9', '11', '13', '15', '17', 'T')
12	15	0.0	0.41766	('1', '4', '10', 'T')
12	16	0.03701	0.41676	('3', '9', '10', '11', '15')
12	17	0.0	0.50115	('1', '3', '7', '8', '10', '11', '13', '14', '15', 'T')
12	T	0.0	0.41666	('4', '6', '7', '9', '10', '11', '13', '14', '15', '16', '17')
13	14	0.05621	0.35356	('9', '10', 'T')
13	15	0.08678	0.29237	('5', '8', '9', '10', 'T')
13	16	0.11857	0.25517	('1', '5')
13	17	0.05958	0.60134	('1', '5', '9', '10', 'T')
13	T	0.02569	0.49655	('2', '3', '7', '9', '10', '11', '17')
14	15	0.0	0.45775	('1', '5', '8', '9', '10', '11', 'T')
14	16	0.00316	0.48865	('1', '2', '5', '13')
14	17	0.0	0.49135	('1', '4', '5', '7', '11', '12', '13', '16')
14	T	0.0324	0.52685	('6', '7', '11', '16')
15	16	0.0	0.48515	('2', '5', '6')
15	17	0.0	0.47815	('4', '7', '10', '13', '16')
15	T	0.0	0.42016	('1', '3', '7', '8', '9', '11', '16')
16	17	0.02757	0.44066	('3', '9', '10', '15')
16	T	0.0	0.47435	('2', '4', '5', '6', '7', '11', '13')
17	T	0.02	0.44506	('1', '3', '5', '7', '9', '11', '13', '16')

Table 14: Western Asia

Var X	Var Y	min dcor	p-value	condition
1	2	0.0	0.46345	('3', '4', '5', '9', '10', '12', '14', '17')
1	3	0.0	0.47365	('2', '4', '8', '9', '14', '16', '17', 'T')
1	4	0.0437	0.29637	('5', '11', '12', '13', '16', 'T')
1	5	0.04382	0.28457	('T',)
1	6	0.0	0.45595	('2', '7', '9', '10', '12', '13', '16', 'T')
1	7	0.05404	0.25747	('3', '6', '10', '11', '12', '13', '15', '17', 'T')
1	8	0.25669	0.0091	('2', '3', '5', '11', '12', '13', '16', '17', 'T')
1	9	0.0	0.47865	('2', '5', '6', '7', '8', '11', '12', '17', 'T')
1	10	0.00316	0.48855	('5', '6', '8', '13', '15')
1	11	0.01095	0.42806	('4', '5', '7', '8', '9', '12', '14', '17', 'T')
1	12	0.12247	0.09999	('13', 'T')
1	13	0.27017	0.0088	('T',)
1	14	0.0	0.45275	('4', '7', '9', '10', '12', '16', '17', 'T')
1	15	0.0	0.45615	('2', '5', '8', '9', '10', '11', '12', '16')
1	16	0.0	0.49115	('2', '3', '4', '7', '8', '12', '13', '14', 'T')
1	17	0.14408	0.06039	('3', '5', '7', '8', '9', '11', '12', '13', '14', '16', 'T')
1	T	0.24688	0.007	('12', '13')
2	3	0.0	0.48605	('7', '8', '9', '10', '11', '12', '15')
2	4	0.0	0.48815	('7', '8', '9', '14')
2	5	0.0	0.45295	('4', '10', '13', '14', '15', '16', 'T')
2	6	0.01517	0.39436	('1', '7', '9', '11', '12', '16')
2	7	0.00775	0.44036	('3', '6', '9', '10', '11', '15', '16', '17', 'T')
2	8	0.16553	0.0473	('1', '3', '9', '10', '11', '16', '17')
2	9	0.09706	0.14519	('1', '3', '6', '7', '8', '10', '11', '12', '15')
2	10	0.0114	0.41816	('3', '7', '9', '11', '16')
2	11	0.08408	0.17728	('1', '7', '8', '9', '10', '12', '16', 'T')
2	12	0.0	0.48205	('3', '5', '7', '9', '10', '11', '16')
2	13	0.0	0.44806	('1', '5', '14', 'T')
2	14	0.02408	0.56274	('5', '6', '7', '8', '10', '13')
2	15	0.0	0.45325	('7', '9', '10', '14', 'T')
2	16	0.06504	0.23138	('1', '3', '4', '8', '10', '12', '14')
2	17	0.0	0.48495	('1', '3', '5', '7', '8', '9', '10', '11', '13', '14', '16', 'T')
2	T	0.0	0.46255	('3', '7', '8', '11', '12', '15')
3	4	0.03924	0.33027	('1', '5', '10', '11', '12', '13', '16', 'T')
3	5	0.0	0.47125	('6', '7', '12', '13', '14', '16', 'T')
3	6	0.0	0.47765	('1', '2', '4', '7', '8', '9', '11', '13', '14', '16')
3	7	0.0	0.48135	('1', '10', 'T')
3	8	0.13379	0.07869	('1', '2', '10', '13', 'T')
3	9	0.05282	0.28467	('1', '2', '6', '7', '8', '10', '11', '12', '13', '15', '17')
3	10	0.16368	0.0448	('7', '9', '12', '13', '16', '17')
3	11	0.0	0.47985	('5', '7', '10', '13', '14', '17', 'T')
3	12	0.01761	0.39866	('1', '10', '13', 'T')
3	13	0.0	0.46435	('4', '8', '10', '12', '16', '17', 'T')
3	14	0.0	0.46785	('1', '2', '4', '5', '7', '10', '11', '12', '13', '17')
3	15	0.0	0.45865	('2', '5', '10', '11', '13', '14', '16')
3	16	0.02933	0.36476	('1', '2', '10', '13')
3	17	0.16814	0.0391	('1', '10', 'T')
3	T	0.0	0.47305	('1', '2', '4', '6', '8', '9', '11', '12', '13', '14', '15', '16', '17')
4	5	0.16959	0.0393	('T',)
4	6	0.06885	0.20768	('1', '5', '9', '11', '12', '16', 'T')
4	7	0.0	0.48035	('1', '2', '6', '9', '11', '13', '15', '17')
4	8	0.0	0.48315	('2', '5', '7', '9', '10', '11', '13', '15', '16', '17', 'T')
4	9	0.0	0.47465	('2', '7', '10', '13', '14')
4	10	0.01183	0.52545	('1', '5')
4	11	0.10363	0.12739	('5', '7', '12', '13', '16', 'T')
4	12	0.04858	0.30497	('1', '5', '11', '13', '16', 'T')
4	13	0.05648	0.23838	('1', '5', '12', '16', 'T')
4	14	0.06229	0.73753	('5', '13', 'T')
4	15	0.0	0.46485	('5', '13', '16')
4	16	0.11593	0.10699	('1', '3', '12', '13', 'T')
4	17	0.0	0.48535	('1', '2', '3', '5', '6', '7', '8', '11', '12', '16', 'T')
4	T	0.03715	0.33197	('1', '5', '11', '12', '13', '16')
5	6	0.0	0.45325	('4', '9', '12', '15', '16', '17', 'T')
5	7	0.00316	0.47485	('10', '15')
5	8	0.04743	0.29047	('1', 'T')
5	9	0.0	0.46965	('1', '3', '6', '7', '8', '10', '11', '14', '15')
5	10	0.0	0.44156	('2', '7', '16')
5	11	0.0614	0.23598	('T',)
5	12	0.09338	0.15678	('T',)
5	13	0.00447	0.43456	('1', '12', '16', 'T')
5	14	0.05177	0.70193	('15', '16')
5	15	0.06066	0.74073	('13', '14')
5	16	0.05282	0.70723	('9', '12', 'T')
5	17	0.04827	0.27977	('T',)
5	T	0.35106	0.0011	('1', '11', '12', '13')
6	7	0.09476	0.14899	('1', '9', '10', '11', '12', 'T')
6	8	0.0	0.45185	('1', '2', '3', '4', '5', '10', '15', '16', 'T')
6	9	0.25904	0.0086	('1', '2', '7', '11', '12', 'T')
6	10	0.02811	0.57794	('1', '5')
6	11	0.0	0.46125	('1', '2', '3', '7', '9', '10', '12', '13', '14', '16', 'T')
6	12	0.20825	0.0213	('1', '5', '7', '9', '16', 'T')
6	13	0.0	0.42406	('2', '3', '7', '9', '10', '11', '12', '14')
6	14	0.00894	0.47795	('2', '4', '5', '7', '9', '13')
6	15	0.03225	0.59324	('5', '11', '12', '16')
6	16	0.0	0.49105	('2', '3', '7', '9', '10', '11')
6	17	0.0	0.47085	('4', '7', '8', '9', '10', '12', '14', '16')
6	T	0.0	0.46575	('1', '5', '7', '9', '12')
7	8	0.0	0.47175	('2', '14', '15', 'T')
7	9	0.0	0.48415	('2', '3', '6', '10', '11', '15', '16', '17')
7	10	0.2011	0.0202	('3', '9', '11', '12', '15', '16', '17')
7	11	0.09455	0.15078	('9', '10', '12', '17', 'T')
7	12	0.0	0.48245	('1', '3', '6', '10', '11', '13', '15', 'T')
7	13	0.0	0.44976	('1', '3', '6', '9', '11', '12', '14', '15')
7	14	0.03782	0.63414	('1', '2', '3', '4', '5', '6', '10', '13', 'T')
7	15	0.02345	0.36076	('1', '10', '11', '14', 'T')
7	16	0.0	0.48695	('9', '10', '11', '13', '15')
7	17	0.08	0.19398	('1', '10', 'T')
7	T	0.05899	0.24398	('1', '6', '10', '11', '12', '15', '17')
8	9	0.0	0.49635	('1', '2', '3', '5', '6', '11', '13', '14', '16', '17')
8	10	0.0	0.47185	('4', '6', '7', '12', '13', 'T')
8	11	0.04785	0.29377	('1', '2', '3', '5', '9', '12', '13', '16', '17', 'T')
8	12	0.0	0.47805	('3', '4', '5', '7', '9', '14', 'T')
8	13	0.10005	0.13679	('1', 'T')
8	14	0.01183	0.52135	('1', '2', '5', '13', 'T')
8	15	0.03987	0.64414	('5', '11', '13', '16', '17')
8	16	0.00316	0.51445	('2', '13')
8	17	0.19331	0.0259	('1', '2', '3', '5', '11', '13', '16', 'T')
8	T	0.0	0.47335	('1', '2', '3', '5', '11', '12', '15', '17')
9	10	0.00707	0.45285	('2', '3', '7', '11', '12')
9	11	0.16416	0.0457	('1', '2', '3', '5', '6', '7', '10', '12', '14', '17', 'T')
9	12	0.0	0.48805	('1', '3', '6', '7', '10', '11', '13')
9	13	0.0	0.46375	('4', '8', '10', '12', '14', '16')
9	14	0.0	0.46075	('1', '4', '7', '11', '16', '17', 'T')
9	15	0.0	0.46325	('1', '2', '3', '4', '7', '10', '11', '14')
9	16	0.20943	0.9912	('5', '7', '11', '15')
9	17	0.12149	0.10039	('1', '2', '3', '10', '11', '12', 'T')
9	T	0.00447	0.46865	('1', '2', '3', '5', '6', '7', '10', '11', '12', '13', '17')
10	11	0.01225	0.43066	('2', '3', '7', '9', '12', '16', '17')
10	12	0.03209	0.34537	('3', '5', '7', '9', '11', '16', '17', 'T')
10	13	0.0	0.44186	('5', '6', '12', '16', 'T')
10	14	0.0	0.44336	('1', '2', '11', '12', '13', '15')
10	15	0.00316	0.46665	('5', '11', '12', '13', '16', '17')
10	16	0.04637	0.30307	('1', '2', '3', '7', '13', '14')
10	17	0.10597	0.12729	('3', '7', '11', '12', '16')
10	T	0.0	0.45815	('3', '5', '6', '8', '9', '11', '12')
11	12	0.15915	0.0478	('T',)
11	13	0.0	0.46045	('1', '12', 'T')
11	14	0.0	0.46345	('10', '12', '13', '15', 'T')
11	15	0.00548	0.48655	('5', '6', '8', '10', '12', '13', '16', '17')
11	16	0.0	0.48305	('1', '6', '7', '9', '13', '15', 'T')
11	17	0.18855	0.0262	('1', '2', '3', '5', '7', '9', '10', '12', '13', '14', 'T')
11	T	0.12292	0.09089	('2', '5', '7', '9', '12', '13', '17')
12	13	0.13506	0.08079	('T',)
12	14	0.0	0.46255	('1', '2', '11', '13', '15', '17')
12	15	0.0	0.46075	('1', '2', '3', '7', '9', '10', '16', '17', 'T')
12	16	0.0	0.49715	('1', '2', '6', '8', '14', '17')
12	17	0.03873	0.33537	('T',)
12	T	0.43714	0.0001	('1', '11', '13')
13	14	0.03317	0.61264	('4', '5', '7', '8', '12', 'T')
13	15	0.0	0.43306	('1', '4', '6', '7', '8', '9', '16', '17', 'T')
13	16	0.09028	0.16058	('1', '3', '4', '8', '12', '14', 'T')
13	17	0.0	0.47985	('4', '5', '8', '9', '12', '14', '16', 'T')
13	T	0.34345	0.0036	('1', '12')
14	15	0.3673	0.0024	('5', '10', '13', '16')
14	16	0.03701	0.32977	('1', '2', '13', '15')
14	17	0.0	0.46115	('1', '11', '12', '13', '15', 'T')
14	T	0.0	0.45745	('1', '2', '4', '5', '7', '8', '9', '12', '16')
15	16	0.0545	0.71353	('9', '14')
15	17	0.0251	0.57914	('5', '6', '8', '10', '11', '13', '16', 'T')
15	T	0.0	0.44526	('3', '4', '6', '7', '12', '13', '14')
16	17	0.0	0.49515	('1', '4', '5', '6', '7', '8', '10', '11', '12', '14', '15', 'T')
16	T	0.0	0.48795	('2', '3', '7', '8', '9', '12', '14', '15')
17	T	0.21691	0.0147	('1', '3', '5', '7', '11', '12', '13')

Table 15: South-eastern Asia

Var X	Var Y	min dcor	p-value	condition
1	2	0.0	0.48555	('8', '11', '13', '14', '16', '17')
1	3	0.0	0.47505	('5', '7', '9', '10', '12', '13', '15', '16')
1	4	0.07931	0.28047	('5', '8', '9', '16')
1	5	0.20313	0.09639	('2', '4', '7', '16')
1	6	0.0	0.44806	('2', '3', '7', '9', '11', '13', '14', '16', '17')
1	7	0.0	0.47775	('8', '9', '13', '14', '15', '16', '17')
1	8	0.10015	0.24558	('2', '4', '5', '6', '7', '13', '16', '17')
1	9	0.01049	0.44986	('5', '10', '16', 'T')
1	10	0.0	0.45605	('2', '5', '6', '7', '9', '13', '17', 'T')
1	11	0.0	0.50005	('3', '10', '14', 'T')
1	12	0.0	0.47595	('2', '4', '5', '10', '13', '16')
1	13	0.0	0.46395	('2', '4', '5', '9', '12', '16')
1	14	0.14139	0.83282	('5', '6', '8', '9', '10', '13', '15', 'T')
1	15	0.0	0.44816	('5', '7', '11', '12', '17', 'T')
1	16	0.10198	0.24108	('2', '4', '5', '10', '11', '15')
1	17	0.05736	0.33407	('2', '5', '8', '9', '10', '11', '13', '15', '16', 'T')
1	T	0.0	0.45355	('4', '5', '7', '10', '16')
2	3	0.0922	0.72853	('5', '14', '16')
2	4	0.0	0.49575	('1', '3', '5', '7', '8', '9', '10', '12', '13', '15')
2	5	0.01517	0.44836	('1', '6', '16', 'T')
2	6	0.17196	0.13319	('5', '8', '12', '14', '16', 'T')
2	7	0.0	0.47475	('1', '5', '6', '9', '10', '17', 'T')
2	8	0.03493	0.40496	('5', '6', '11', '17')
2	9	0.0	0.49485	('1', '3', '4', '5', '11', '12', '13', '15', '16')
2	10	0.12606	0.79432	('5', '6', '11', '14', '15', '16')
2	11	0.0	0.49575	('5', '14', '16', '17', 'T')
2	12	0.0	0.48545	('1', '6', '13', '15', '16')
2	13	0.09061	0.71593	('1', '4', '5', '6', '9', '11', '12', '14', '15', '16', 'T')
2	14	0.08989	0.27577	('5', '7', '11', '12', '16', '17')
2	15	0.0	0.49295	('4', '11', '12', '17')
2	16	0.04231	0.38956	('1', '6', '11', '14', '15', 'T')
2	17	0.08068	0.29687	('1', '5', '8', '9', '11', '12', '14', '16', 'T')
2	T	0.0	0.49665	('3', '5', '6', '8', '9', '11', '14', '15', '17')
3	4	0.12751	0.19638	('5', '8', '11', '16', 'T')
3	5	0.0	0.48375	('1', '4', '7', '10', '14', '16', 'T')
3	6	0.15726	0.15748	('5', '7', '8', '12', '13', 'T')
3	7	0.07849	0.29647	('4', '5', '6', '8', '9', '10', '11', '12', '14', '16', 'T')
3	8	0.19334	0.10909	('1', '4', '6', '7', '11', 'T')
3	9	0.03924	0.59004	('1', '10', '14', '16')
3	10	0.0	0.44576	('2', '9', '16')
3	11	0.08883	0.27227	('4', '7', '8', '13', '14', '16', '17', 'T')
3	12	0.0	0.47345	('10', '11', '13', '14', '15', '16', 'T')
3	13	0.0	0.47805	('2', '4', '5', '8', '9', '10', '11', '14', '16')
3	14	0.03768	0.58694	('1', '6', '8', '10', '13', 'T')
3	15	0.0	0.45955	('5', '6', '11', '13', '16')
3	16	0.01183	0.52475	('1', '2', '13', '14', '15')
3	17	0.0	0.49805	('1', '2', '7', '8', '11', '12', '13', '16', 'T')
3	T	0.18308	0.11369	('1', '4', '6', '7', '11', '17')
4	5	0.04416	0.37246	('1',)
4	6	0.0	0.46535	('2', '8', '11', '17')
4	7	0.0	0.49295	('2', '3', '5', '6', '9', '10', '11', '13', '15', 'T')
4	8	0.30746	0.0275	('3', '5', '6', '17', 'T')
4	9	0.0	0.47225	('2', '6', '10', '11', '16', '17', 'T')
4	10	0.0	0.45795	('2', '3', '5', '6', '14', '15', '16', 'T')
4	11	0.0	0.48305	('1', '3', '6', '7', '8', '9', '13', '14', '16', '17', 'T')
4	12	0.0	0.47505	('5', '13', '14', '15', 'T')
4	13	0.20833	0.93071	('1', '2', '3', '5', '9', '11', '12', '16', 'T')
4	14	0.0	0.46005	('1', '2', '3', '5', '7', '8', '9', '10', '15', '16', '17')
4	15	0.04219	0.58324	('1', '3', '5', '9', '11', '13', '16', 'T')
4	16	0.0272	0.40786	('1', '11')
4	17	0.0	0.49095	('2', '7', '8', '11', '14', '15')
4	T	0.0	0.46625	('1', '2', '3', '6', '8', '10', '12', '13', '14', '15', '16', '17')
5	6	0.04506	0.36066	('1', '2')
5	7	0.0687	0.31267	('1', '2', '6', '14', 'T')
5	8	0.0	0.47425	('2', '3', '4', '6', '7', '14', '15')
5	9	0.12649	0.78712	('10',)
5	10	0.05394	0.61084	('9', '11', 'T')
5	11	0.0251	0.55234	('9', '12', '13', '14', '16', '17', 'T')
5	12	0.01342	0.52345	('9', '11', '15', '16', 'T')
5	13	0.0	0.47315	('1', '2', '4', '6', '11', '12', '14')
5	14	0.0	0.47505	('6', '9', '10', '13', 'T')
5	15	0.0	0.46435	('3', '7', '9', '11', '12', '13', '14', '17', 'T')
5	16	0.00447	0.50435	('10', '11', '15', 'T')
5	17	0.0	0.49595	('9', '10', '11', '13', '15', '16', 'T')
5	T	0.01183	0.50735	('9', '11', '12', '16', '17')
6	7	0.0	0.45435	('1', '2', '3', '8', '9', '10', '13', '17')
6	8	0.23768	0.06899	('1', '2', '3', '5', '13', 'T')
6	9	0.0	0.46835	('1', '2', '5', '7', '8', '11', '12', '15', '16', 'T')
6	10	0.0	0.43686	('2', '5', '9', '12', '14', '16', '17', 'T')
6	11	0.0	0.47225	('14', '17')
6	12	0.05666	0.31667	('2', '3', '7', '13', '15', 'T')
6	13	0.01095	0.40456	('9', '11', '14', '15', '16')
6	14	0.14863	0.85481	('1', '3', '8', '9', '10', '13', '15', 'T')
6	15	0.0	0.42556	('4', '5', '8', '10', '11', '12', '16', '17')
6	16	0.0345	0.57964	('3', '5', '9', '12', '13')
6	17	0.0	0.49075	('1', '2', '10', '11', '14', '16')
6	T	0.0	0.45215	('3', '8', '9', '11', '13')
7	8	0.08361	0.27677	('1', '2', '3', '5', '6', '10', '11', '14', 'T')
7	9	0.09072	0.26467	('1', '10', '14', 'T')
7	10	0.09844	0.24128	('5', '6', '9', '14', '17')
7	11	0.0	0.48315	('1', '3', '5', '9', '10', '13', '14', '15', '17', 'T')
7	12	0.04087	0.36646	('2', '3', '9', '14', '15', '16', 'T')
7	13	0.0	0.44746	('1', '2', '3', '4', '6', '8', '9', '12', '17')
7	14	0.05244	0.33557	('2', '5', '11', '12', '16', '17')
7	15	0.0	0.43536	('1', '6', '11', '13')
7	16	0.0	0.47905	('4', '6', '11', '12', '13', '14', '17')
7	17	0.0	0.49735	('5', '8', '9', '10', '14', '15', 'T')
7	T	0.0	0.46865	('1', '2', '3', '9', '14', '15')
8	9	0.0	0.46905	('4', '5', '6', '12', '13', '14', '15')
8	10	0.0	0.43576	('1', '2', '7', '11', '13', '14', '15', '17')
8	11	0.0	0.47875	('3', '4', '5', '6', '7', '13', '15', '16', '17', 'T')
8	12	0.0	0.48195	('4', '5', '10', '11', '13', 'T')
8	13	0.0	0.44226	('1', '3', '5', '6', '10', '12', '14', '16')
8	14	0.02168	0.51145	('1', '3', '6', '10', '13', 'T')
8	15	0.0	0.43276	('1', '2', '6', '7', '9', '10', '12')
8	16	0.0	0.47685	('2', '4', '7', '9', '11', '13', 'T')
8	17	0.08222	0.29207	('1', '2', '4', '7', '10', '11', '13', '15', 'T')
8	T	0.0	0.47715	('1', '2', '3', '4', '5', '6', '11', '13', '16', '17')
9	10	0.42456	0.0111	('7', '17', 'T')
9	11	0.0	0.48035	('1', '3', '13', '14', '15')
9	12	0.0	0.46755	('1', '3', '5', '6', '10', '11', '13', '14', '15', 'T')
9	13	0.06473	0.64534	('2', '4', '7', '10', '12', 'T')
9	14	0.0	0.45605	('2', '5', '11', '13', '15', '16')
9	15	0.15166	0.85561	('1', '10', '13', 'T')
9	16	0.13217	0.80522	('1', '2', '5', '11', '13', '15')
9	17	0.0	0.49765	('10', '11')
9	T	0.0	0.46235	('1', '2', '3', '7', '10', '11', '13', '14', '16', '17')
10	11	0.0	0.45395	('1', '2', '4', '6', '8', '9', '12', '13', '14', '17', 'T')
10	12	0.0	0.44466	('2', '5', '13', '15', '16', 'T')
10	13	0.12482	0.17588	('2', '4', '5', '12', '14', '15', '16')
10	14	0.06841	0.63024	('6', '9', 'T')
10	15	0.0	0.42916	('1', '9', '11', '13', 'T')
10	16	0.0	0.46795	('1', '5', '9', 'T')
10	17	0.27653	0.0436	('1', '7', '9', '11', '16', 'T')
10	T	0.0	0.44046	('2', '3', '4', '5', '7', '9', '13', '17')
11	12	0.0	0.46755	('3', '5', '6', '7', '9', '10')
11	13	0.0	0.46675	('3', '4', '6', '7', '10', '12', '16', '17', 'T')
11	14	0.18229	0.11839	('2', '5', '7', '12', '16', '17')
11	15	0.0	0.44616	('1', '2', '3', '5', '7', '8', '9', '10', '12', '17', 'T')
11	16	0.27192	0.0468	('1', '2', '4', '6', '14', '15', '17', 'T')
11	17	0.40501	0.003	('1', '2', '3', '10', '14', '16', 'T')
11	T	0.32605	0.0185	('2', '3', '16', '17')
12	13	0.22797	0.9514	('2', '15', '16', 'T')
12	14	0.0	0.45495	('2', '7', '11', '15', '16')
12	15	0.37182	0.0191	('10', '13')
12	16	0.0	0.47935	('1', '2', '4', '5', '6', '7', '15', '17')
12	17	0.0	0.49025	('1', '2', '3', '10', '11', 'T')
12	T	0.0	0.46475	('2', '4', '5', '7', '8', '13', '15', '17')
13	14	0.0	0.42976	('2', '3', '7', '9', '11', '12', '15', '17')
13	15	0.02	0.51445	('12', '16')
13	16	0.0	0.47455	('2', '4', '11', '12', '14', '15', 'T')
13	17	0.0	0.49095	('2', '10', '16', 'T')
13	T	0.0	0.45095	('1', '2', '3', '4', '5', '9', '11', '12', '15', '16')
14	15	0.0	0.40686	('1', '3', '5', '6', '11', '12', '16', 'T')
14	16	0.0	0.47035	('5', '11')
14	17	0.0	0.46825	('2', '11')
14	T	0.10474	0.75422	('1', '3', '6', '10', '11', '13')
15	16	0.0795	0.27947	('1', '2', '11', '12')
15	17	0.01643	0.41786	('1', '2', '11', '12')
15	T	0.02608	0.51825	('1', '3', '9', '10', '11', '13')
16	17	0.0	0.47555	('1', '2', '13', '14', '15', 'T')
16	T	0.0	0.47115	('1', '2', '4', '5', '7', '10', '11', '15', '17')
17	T	0.20367	0.09819	('11',)

Table 16: Southern Asia

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.0	0.48905	('5', '7', '8', '9', '14', '16')
1	3	0.0	0.49455	('2', '7', '10', '11', '14', '16', 'T')
1	4	0.37206	0.9771	('14',)
1	5	0.0	0.49475	('2', '4', '6', '9', '10', '12', '13', '16')
1	6	0.00548	0.49315	('3', '5', '14')
1	7	0.0	0.47585	('3', '12', '14', '17')
1	8	0.14993	0.22358	('2', '3', '4', '6', '10', '13', 'T')
1	9	0.0	0.49035	('2', '3', '8', '10', '15', '16')
1	10	0.0	0.50185	('2', '4', '5', '6', '11')
1	11	0.0324	0.42366	('3', '14', 'T')
1	12	0.131	0.74213	('4', '5', '6', '13', '17')
1	13	0.12988	0.73873	('3', '6', '8', '9', '10', '11', '14', '16', '17', 'T')
1	14	0.34383	0.0364	('4', 'T')
1	15	0.0	0.48265	('2', '3', '4', '6', '7', '9', '10', '11', '12', '13', '16')
1	16	0.0	0.48195	('3', '7', '8', '14', '17')
1	17	0.0	0.49105	('7', '11', '14', '16')
1	T	0.0	0.49315	('3', '4', '5', '7', '11', '13', '16')
2	3	0.3895	0.0248	('T',)
2	4	0.0	0.47655	('1', '3', '6', '10', '13', '14', '15', '16', 'T')
2	5	0.0	0.52265	('1', '4', '6', '10', '11', '12', '13', '14', '15', '16')
2	6	0.0	0.46725	('3', '7', '10', '11', '14', '16')
2	7	0.0	0.45945	('3', '4', '5', '9', '11', '13', '14', '15', '16', '17')
2	8	0.01789	0.52305	('3', '10', '13', '14', '15', 'T')
2	9	0.0	0.49515	('3', '5', '11', '14', 'T')
2	10	0.14622	0.23428	('3', '13', 'T')
2	11	0.0	0.50585	('1', '3', '10', '16')
2	12	0.03493	0.55104	('1', '3', '9', '10', '13', '14', '15', 'T')
2	13	0.0	0.47695	('5', '7', '9', '11', '15', 'T')
2	14	0.0	0.47215	('1', '3', '10', '13', 'T')
2	15	0.0493	0.39206	('3', '4', '5', '9', '14', '17', 'T')
2	16	0.02449	0.53045	('10', '11', '13', '15', 'T')
2	17	0.0	0.49145	('3', '11', '14')
2	T	0.19496	0.14469	('3', '5', '10', '11')
3	4	0.0	0.49835	('2', '7', '11', '15')
3	5	0.0	0.48625	('1', '8', '13', '16')
3	6	0.17916	0.82362	('2', '5', '7', '14', 'T')
3	7	0.08905	0.32047	('1', '2', '4', '11', '13', '17', 'T')
3	8	0.0	0.50515	('2', '7', '11', 'T')
3	9	0.0	0.48925	('1', '5', '10', '11', '12', '13', '17', 'T')
3	10	0.0	0.49915	('2', '7', '11', '14', '17', 'T')
3	11	0.16697	0.20098	('T',)
3	12	0.0	0.49455	('5', '10', '13', '14', '15', '17', 'T')
3	13	0.25975	0.91621	('1', '10', 'T')
3	14	0.0	0.48075	('4', '5', '6', '7', '8', '10')
3	15	0.0	0.48655	('4', '8', '9', '14', '16', '17')
3	16	0.0	0.48725	('4', '7', '9', '10', '11', '12', '14', '15')
3	17	0.13871	0.24298	('1', '2', '7', '10', '11', '12', 'T')
3	T	0.3138	0.05679	('2', '11')
4	5	0.0	0.49185	('1', '6', '7', '11', '12', '13', '14', '15', '17', 'T')
4	6	0.0	0.46535	('2', '3', '7', '8', '11', '12', '16', 'T')
4	7	0.13214	0.24748	('3', '9', '10', '11', '12', '15', '16', 'T')
4	8	0.00316	0.48785	('1', '5')
4	9	0.13697	0.24408	('7', '13', '15', '16')
4	10	0.0	0.49605	('2', '3', '9', '16', 'T')
4	11	0.0	0.50165	('2', '3', '7', '10', '13', '16', 'T')
4	12	0.03256	0.54995	('2', '9', '13', '15', 'T')
4	13	0.00632	0.50505	('1', '5', '12', '14')
4	14	0.18518	0.83312	('1',)
4	15	0.27481	0.09129	('2', '5', '7', '9')
4	16	0.21012	0.14279	('5', '7', '9', '17')
4	17	0.0	0.49365	('1', '7', '9', '10', '11', '12', '16', 'T')
4	T	0.0	0.47105	('1', '2', '3', '7', '9', '10', '12', '15')
5	6	0.27094	0.92591	('1', '3', '7', '8', '13', '14', 'T')
5	7	0.0	0.49325	('4', '6', '10', '12', '14', '15')
5	8	0.36877	0.0301	('2', '3', '6', '7', '9', '10', '13', '14', 'T')
5	9	0.19287	0.84012	('1', '11', '14', 'T')
5	10	0.05788	0.61314	('1', '8', '13', '15')
5	11	0.0	0.49555	('1', '7', '8', '9', '10', '13', '15')
5	12	0.0	0.46845	('1', '2', '3', '7', '8', '9', '10', '15', '17', 'T')
5	13	0.15837	0.21178	('1', '3', '6', '9', '10', '11', 'T')
5	14	0.05441	0.37496	('1', '13', 'T')
5	15	0.06848	0.33817	('1', '2', '4', '8', '9', '14', '17', 'T')
5	16	0.0	0.49235	('1', '2', '3', '8', '9', '13', '15', '17')
5	17	0.0	0.49825	('1', '3', '4', '6', '8', '9', '11', '13', '15', 'T')
5	T	0.0305	0.43186	('1', '6', '9', '13', '14')
6	7	0.00837	0.47645	('1', '3', '5', '13')
6	8	0.00548	0.46935	('5',)
6	9	0.0	0.46085	('1', '5', '14', '16')
6	10	0.0	0.46525	('7', '8', '14', '16')
6	11	0.0	0.50115	('3', '4', '7', '10', '13')
6	12	0.01414	0.40946	('1', '2', '3', '5', '9', '14')
6	13	0.05771	0.58234	('5', '14')
6	14	0.04806	0.57214	('1', '3', '5', '13')
6	15	0.0	0.43066	('1', '11', '13', '14', 'T')
6	16	0.02966	0.42816	('9', '12', '13', '17')
6	17	0.0	0.49845	('2', '7', '10', '11', '12', '13', '15', '16')
6	T	0.0	0.44076	('1', '2', '3', '5', '10', '11', '12', '13', '14', '15', '17')
7	8	0.11735	0.70873	('2', '3', '4', '10', '13', '14', '16', 'T')
7	9	0.0405	0.40426	('1', '3', '4', '13', '15', '16')
7	10	0.0	0.49215	('1', '3', '4', '9', '11', '13', '14', '17', 'T')
7	11	0.0	0.50465	('1', '2', '4', '10', '13', '17', 'T')
7	12	0.0	0.43466	('11', '17')
7	13	0.0	0.44916	('1', '2', '6', '8', '14', '16')
7	14	0.0	0.44756	('1', '3', '4', '6', '10', '11', '15', '17')
7	15	0.0	0.44336	('1', '3', '4', '10', '11', '12', '14', '16', '17', 'T')
7	16	0.0	0.48395	('1', '4', '12')
7	17	0.14553	0.23818	('1', '3', '4', '10', '12', '13', '16', 'T')
7	T	0.05329	0.36766	('1', '2', '3', '4', '5', '10', '11', '12')
8	9	0.0	0.48035	('2', '4', '7', '11', '13', '14', '15', 'T')
8	10	0.04733	0.59204	('2', '7', '13', '14', 'T')
8	11	0.0	0.49595	('2', '3', '7', '10', '13', '14')
8	12	0.13799	0.21328	('5', '16')
8	13	0.00949	0.49185	('1',)
8	14	0.02098	0.50595	('10', '13')
8	15	0.0	0.41566	('2', '5', '9', '11', '12', '14', '16', 'T')
8	16	0.01581	0.45975	('1', '5', '12')
8	17	0.0	0.48275	('1', '3', '5', '9', '12', '13')
8	T	0.07868	0.63554	('2', '5', '7', '10', '13')
9	10	0.0	0.49445	('2', '5', '11', '12', '14', '17', 'T')
9	11	0.08396	0.66573	('T',)
9	12	0.05167	0.54865	('5', '11', '14', '17', 'T')
9	13	0.0	0.48005	('4', '6', '7', '11', '15', 'T')
9	14	0.02569	0.52275	('1', '5', '10', '13')
9	15	0.18606	0.17178	('11', '14', 'T')
9	16	0.0	0.49155	('3', '4', '6', '7', '10', '11', '12', '14')
9	17	0.0	0.49635	('2', '3', '5', '10', '16', 'T')
9	T	0.08228	0.65803	('3', '5', '11')
10	11	0.05675	0.38046	('3', '13', '16', 'T')
10	12	0.0	0.46765	('1', '2', '5', '7', '9', '13', '14', '17', 'T')
10	13	0.01483	0.52825	('1', '2', '3', '4', '6', '11', '14', '17', 'T')
10	14	0.22621	0.12739	('1', '3', '13', '16')
10	15	0.10724	0.69523	('11', '14', 'T')
10	16	0.0	0.50775	('6', '7', '12', '13', '14', '15', '17', 'T')
10	17	0.22661	0.11989	('2', '3', '7', '11', '12', '13', '14', 'T')
10	T	0.00316	0.50235	('2', '3', '7', '11', '13')
11	12	0.0	0.47325	('2', '3', '6', '7', '13', '14', '16', '17', 'T')
11	13	0.0	0.50385	('3', '5', '10', '16', 'T')
11	14	0.0	0.50475	('2', '3', '4', '7', 'T')
11	15	0.15738	0.78772	('1', '10', '13', 'T')
11	16	0.0	0.51025	('1', '6', '7', '9', '10', '12', '17')
11	17	0.0	0.49805	('3', '4', '5', '7', '12', '13', '14', '16')
11	T	0.36403	0.0307	('3',)
12	13	0.22497	0.13689	('5', '7', '11', '14', '16')
12	14	0.0	0.43266	('4', '6', '7', '9', '15', '16', '17', 'T')
12	15	0.0	0.43556	('1', '2', '4', '9', '13', 'T')
12	16	0.04123	0.40976	('13', '14', '17')
12	17	0.35574	0.0346	('7', '11', '13', '16')
12	T	0.0	0.45245	('2', '3', '4', '7', '10', '15', '16', '17')
13	14	0.11836	0.25497	('3', '4', '6', '8', '9', '11', 'T')
13	15	0.02757	0.39086	('1', '3', '10', '11', '16')
13	16	0.03082	0.55324	('1', '3', '4', '6', '10', '14')
13	17	0.0	0.49405	('1', '2', '4', '5', '6', '10', '11', '12', 'T')
13	T	0.0	0.45635	('1', '2', '3', '4', '10', '11')
14	15	0.03674	0.54755	('1', '10', '13')
14	16	0.11541	0.27827	('1', '5', '10', '12', '13')
14	17	0.0	0.47765	('2', '5', '11', '16')
14	T	0.01703	0.49135	('3', '4', '7', '11')
15	16	0.07477	0.63614	('1', '10', '11', '12', '13', '14', 'T')
15	17	0.05514	0.38686	('1', '2', '3', '4', '5', '7', '9', '12', '13')
15	T	0.00447	0.46815	('1', '10', '11')
16	17	0.0	0.48895	('1', '3', '4', '7', '12', '14')
16	T	0.0	0.47315	('1', '3', '4', '5', '6', '8', '9', '12', '13', '14', '15')
17	T	0.0	0.47735	('1', '2', '3', '4', '9', '10', '11', '14', '16')

Table 17: Asia

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.04336	0.09519	('3', '5', '6', '7', '8', '9', '11', '14', '15', '16', '17')
1	3	0.03899	0.11339	('2', '4', '7', '8', '11', '12', '14', '16', '17', 'T')
1	4	0.01265	0.32397	('2', '3', '5', '6', '7', '8', '11', '12', '13', '16', '17')
1	5	0.06419	0.0321	('2', '8', '11', '12', '14', '16', '17', 'T')
1	6	0.00775	0.37226	('2', '3', '4', '7', '8', '9', '11', '16', '17', 'T')
1	7	0.01265	0.32577	('2', '3', '5', '8', '9', '11', '12', '14', '16', '17', 'T')
1	8	0.18674	0.0001	('2', '3', '5', '7', '11', '12', '13', '16', '17')
1	9	0.0	0.47715	('2', '3', '4', '6', '7', '8', '10', '12', '13', '16', '17')
1	10	0.0	0.46175	('2', '5', '7', '8', '9', '13', '15', '17')
1	11	0.03406	0.14259	('2', '3', '4', '5', '7', '8', '10', '12', '13', '14', '15', '16', '17', 'T')
1	12	0.0496	0.07289	('3', '5', '7', '8', '11', '14', '15', '16', '17', 'T')
1	13	0.13038	0.0018	('5', '7', '11', '12', '15', '17')
1	14	0.00707	0.36446	('2', '5', '7', '11', '12', '13', '16', 'T')
1	15	0.01732	0.24988	('2', '5', '11', '12', '14', '17')
1	16	0.10982	0.0021	('2', '3', '8', '10', '11', '12', '17', 'T')
1	17	0.13722	0.0007	('2', '3', '5', '7', '8', '9', '10', '11', '12', '13', '15', '16', 'T')
1	T	0.0	0.47315	('3', '5', '6', '8', '11', '12', '13', '14', '15', '16', '17')
2	3	0.0305	0.17138	('1', '4', '6', '7', '8', '11', '12', '14', '16', '17', 'T')
2	4	0.03082	0.16688	('1', '3', '5', '6', '7', '8', '9', '11', '14', '17')
2	5	0.0	0.47835	('3', '4', '7', '9', '10', '11', '12', '14', '16', 'T')
2	6	0.04183	0.09879	('1', '3', '4', '7', '9', '11', '17', 'T')
2	7	0.0998	0.0029	('1', '3', '6', '8', '9', '10', '11', '14', '17', 'T')
2	8	0.13176	0.0005	('1', '3', '5', '7', '9', '11', '16', '17', 'T')
2	9	0.06856	0.0234	('1', '6', '7', '10', '11', '14', '17')
2	10	0.0	0.46785	('1', '9', '16', '17')
2	11	0.02683	0.18798	('1', '3', '4', '5', '6', '7', '8', '9', '10', '12', '14', '15', '16', '17', 'T')
2	12	0.0	0.48305	('1', '3', '8', '10', '11', '14', '16')
2	13	0.01549	0.66163	('16',)
2	14	0.05908	0.0481	('1', '3', '5', '7', '9', '11', '12', '15', '17', 'T')
2	15	0.02302	0.21948	('1', '9', '11', '12', '14', '17')
2	16	0.01304	0.33287	('1', '3', '6', '8', '10', '11', '12', '14', '17', 'T')
2	17	0.12458	0.0008	('1', '3', '4', '5', '6', '7', '8', '9', '10', '11', '12', '14', '15', '16', 'T')
2	T	0.03376	0.13959	('1', '3', '5', '6', '7', '8', '9', '11', '12', '14', '16', '17')
3	4	0.08849	0.0067	('1', '2', '5', '7', '11', '13', '16', '17', 'T')
3	5	0.0	0.47545	('1', '2', '6', '7', '9', '11', '12', '13', '15', '16', '17')
3	6	0.02408	0.21088	('1', '2', '4', '7', '9', '11', '16', '17', 'T')
3	7	0.07007	0.0212	('1', '2', '4', '9', '11', '12', '14', '16', '17', 'T')
3	8	0.02646	0.19408	('1', '2', '4', '5', '7', '11', '12', '16', '17', 'T')
3	9	0.0	0.47735	('1', '4', '5', '6', '8', '10', '11', '12', '14', '15', '16')
3	10	0.00316	0.50195	('4', '15', 'T')
3	11	0.01897	0.26177	('1', '2', '4', '5', '7', '12', '14', '16', '17', 'T')
3	12	0.03742	0.12209	('1', '5', '7', '11', '14', '16', '17', 'T')
3	13	0.0	0.46345	('1', '2', '5', '7', '11', '15')
3	14	0.03302	0.14909	('1', '2', '7', '12', '16', 'T')
3	15	0.00707	0.54155	('6', '7', '8', '10', '13', '16')
3	16	0.05495	0.05349	('1', '2', '11', '12', 'T')
3	17	0.11958	0.0007	('1', '2', '7', '12', '16', 'T')
3	T	0.19604	0.0001	('1', '2', '7', '11', '12', '16')
4	5	0.05899	0.0475	('1', '3', '7', '8', '11', '12', '13', '17', 'T')
4	6	0.06189	0.041	('1', '2', '3', '5', '7', '9', '11', '17')
4	7	0.00707	0.39266	('2', '3', '5', '6', '9', '11', '12', '14', '17')
4	8	0.07443	0.0178	('1', '2', '3', '5', '7', '11', '13', '16', '17')
4	9	0.00707	0.39896	('2', '5', '6', '7', '11', '12', '13', '17')
4	10	0.00316	0.49385	('3', '5', '15')
4	11	0.09685	0.005	('1', '2', '3', '5', '6', '7', '8', '9', '12', '13', '14', '16', '17', 'T')
4	12	0.01225	0.34507	('3', '5', '7', '11', '16', '17', 'T')
4	13	0.0	0.45775	('1', '3', '7', '9', '11', '12', '17', 'T')
4	14	0.0	0.46725	('5', '8', '10', '12', '16', '17', 'T')
4	15	0.0	0.45015	('1', '2', '11', '12', '14', '17', 'T')
4	16	0.0	0.48715	('1', '2', '5', '6', '8', '10', '11', '12', '13', '15', '17')
4	17	0.13206	0.0005	('1', '2', '3', '5', '6', '7', '8', '9', '10', '11', '12', '13', '16', 'T')
4	T	0.00316	0.42596	('2', '3', '5', '7', '11', '12', '13')
5	6	0.0	0.46235	('1', '2', '3', '4', '7', '11', '12', '14', '16')
5	7	0.0	0.47585	('1', '2', '4', '6', '8', '9', '11', '14', '16', '17', 'T')
5	8	0.17364	0.0001	('1', '2', '4', '7', '11', '12', '13', '16', '17', 'T')
5	9	0.0	0.48365	('3', '7', '11', '13', '16', '17', 'T')
5	10	0.0	0.45275	('2', '4', '6', '7', '8', '12', '14', '15')
5	11	0.04313	0.09679	('1', '4', '7', '8', '12', '14', '16', '17', 'T')
5	12	0.09094	0.0068	('1', '7', '8', '11', '14', '15', '16', '17', 'T')
5	13	0.03886	0.11139	('1', '7', '11', '12')
5	14	0.01673	0.26747	('1', '2', '7', '11', '12', 'T')
5	15	0.0	0.44666	('1', '2', '7', '12', '13', '14', '16', '17', 'T')
5	16	0.0	0.48265	('1', '3', '6', '9', '10', '14', '15', '17')
5	17	0.10775	0.0025	('1', '2', '3', '4', '7', '8', '9', '10', '11', '12', '13', '16', 'T')
5	T	0.04266	0.09809	('1', '3', '7', '8', '11', '12', '14', '17')
6	7	0.07141	0.0257	('1', '2', '3', '9', '11', '17', 'T')
6	8	0.0	0.45245	('2', '3', '4', '5', '7', '9', '11', '13', '16', '17')
6	9	0.10075	0.0062	('1', '2', '7', '11')
6	10	0.0	0.44286	('2', '5', '7', '9', '12', '13', '14', '15', 'T')
6	11	0.0228	0.21188	('1', '2', '3', '4', '5', '7', '9', '12', '16', '17', 'T')
6	12	0.0	0.46005	('1', '3', '5', '9', '13', '14')
6	13	0.0	0.43066	('3', '4', '7', '10', '12', '15', '17', 'T')
6	14	0.0	0.43386	('1', '5', '10', 'T')
6	15	0.00548	0.50575	('3', '5', '7', '10', '13', '16')
6	16	0.0	0.48005	('1', '5', '8', '9', '11', '14')
6	17	0.03742	0.12129	('1', '2', '3', '5', '7', '9', '10', '11', 'T')
6	T	0.03271	0.14899	('1', '2', '3', '5', '7', '9', '11', '12')
7	8	0.05235	0.06109	('1', '2', '3', '5', '9', '11', '12', '14', '17', 'T')
7	9	0.20591	0.0001	('2', '6', '10', '11', '12', '14', '17', 'T')
7	10	0.04111	0.10379	('9', '11', '17')
7	11	0.09311	0.0057	('1', '2', '3', '5', '9', '12', '14', '16', '17', 'T')
7	12	0.04324	0.09789	('3', '5', '9', '11', '14', '16', '17', 'T')
7	13	0.03886	0.11619	('5', '9', '11', '12', '14', '17')
7	14	0.10208	0.0084	('1', '2', '3', '5', '9', '11', '12', 'T')
7	15	0.0	0.44396	('1', '2', '3', '4', '6', '8', '10', '12', '14', '16', 'T')
7	16	0.0	0.47415	('2', '3', '4', '11', '15')
7	17	0.19834	0.0001	('1', '2', '3', '5', '9', '10', '11', '12', 'T')
7	T	0.02569	0.20508	('1', '2', '3', '5', '9', '11', '12')
8	9	0.0	0.47145	('1', '2', '5', '6', '7', '11', '12', '14', '16', '17', 'T')
8	10	0.0	0.45485	('1', '3', '4', '5', '6', '15', '16', '17')
8	11	0.07616	0.0184	('1', '2', '5', '7', '12', '13', '16', 'T')
8	12	0.04278	0.09739	('1', '2', '5', '7', '11', '16', '17', 'T')
8	13	0.0	0.43326	('1', '5', '7', '11', '12')
8	14	0.0	0.45195	('3', '4', '5', '6', '7', '9', '10', '12', '13', '15', '16', '17')
8	15	0.0	0.45005	('3', '5', '10', '16')
8	16	0.03912	0.11729	('1', '2', '3', '5', '11', '12', '17', 'T')
8	17	0.15887	0.0001	('1', '2', '5', '7', '11', '16')
8	T	0.01549	0.29397	('1', '2', '3', '5', '7', '11', '12', '16')
9	10	0.05899	0.0439	('2', '7', '11', '17')
9	11	0.02933	0.18158	('1', '2', '7', '10', '12', 'T')
9	12	0.01949	0.26257	('2', '5', '7', '10', '11', '14', '16', '17', 'T')
9	13	0.0	0.45715	('12', '14', '17', 'T')
9	14	0.03391	0.14019	('2', '7', 'T')
9	15	0.00447	0.39246	('1', '2', '7', '11', '12', '14')
9	16	0.0	0.48325	('2', '4', '8', '13', '14', 'T')
9	17	0.08781	0.0078	('1', '2', '7', '10', '11')
9	T	0.0	0.46245	('2', '3', '5', '7', '10', '11', '12')
10	11	0.00447	0.41006	('1', '7', '9', '12', '13', '16', '17', 'T')
10	12	0.0	0.46255	('7', '11', '16', '17', 'T')
10	13	0.00894	0.31927	('7', '11', '12', '17')
10	14	0.0	0.42626	('1', '2', '3', '4', '5', '6', '7', '8', '17')
10	15	0.01703	0.67863	('3', '6', '7', '8', '13', '16')
10	16	0.01342	0.31717	('1', '11', '12', '17', 'T')
10	17	0.19693	0.0002	('1', '2', '7', '9', '11', '12', '13', '16')
10	T	0.0	0.44936	('1', '2', '5', '9', '11', '16')
11	12	0.18499	0.0001	('1', '5', '7', '14', '16', '17', 'T')
11	13	0.01049	0.32327	('1', '7', '12', 'T')
11	14	0.05263	0.06639	('1', '2', '5', '7', '12', 'T')
11	15	0.01897	0.23778	('1', '2', '12', '13', 'T')
11	16	0.08414	0.0084	('1', '2', '12', 'T')
11	17	0.11023	0.0014	('1', '2', '5', '7', '10', '12', '13', '16', 'T')
11	T	0.17015	0.0002	('1', '2', '3', '5', '7', '12', '13', '16')
12	13	0.06731	0.0333	('1', '5', '7', '11', '15', '17', 'T')
12	14	0.0445	0.09569	('1', '2', '5', '7', '11', '16', 'T')
12	15	0.04062	0.11289	('1', '2', '11', '14', 'T')
12	16	0.07969	0.0103	('1', '11', 'T')
12	17	0.12012	0.0008	('1', '5', '7', '10', '11', '16', 'T')
12	T	0.13528	0.0003	('3', '5', '7', '11', '16')
13	14	0.0	0.42526	('3', '5', '10', '11', '12')
13	15	0.02	0.19988	('1', '11', '12')
13	16	0.00316	0.50245	('2',)
13	17	0.03033	0.15768	('1', '7', '10', '11', '12')
13	T	0.0	0.44076	('2', '4', '5', '6', '7', '8', '10', '11', '12', '16', '17')
14	15	0.03362	0.12869	('1', '2', '11', '12')
14	16	0.0	0.46355	('1', '2', '7', '8', '9', '10', '12', '13', '15', '17', 'T')
14	17	0.0	0.46225	('1', '2', '3', '5', '7', '12', '13')
14	T	0.0	0.43906	('2', '3', '5', '7', '11', '12', '16')
15	16	0.01095	0.60294	('3', '10')
15	17	0.01265	0.31107	('1', '2', '11', '12')
15	T	0.0	0.43326	('1', '2', '11', '12', '14', '16')
16	17	0.03619	0.13799	('1', '2', '3', '10', '11', '12', 'T')
16	T	0.02098	0.24948	('1', '2', '3', '11', '12')
17	T	0.00316	0.43356	('1', '2', '3', '5', '7', '10', '11', '12', '16')

Table 18: Eastern Europe

Var X	Var Y	min dcor	p-value	condition
1	2	0.0	0.48315	('3', '4', '5', '9', '12', '14', '17')
1	3	0.0	0.49645	('2', '7', '8', '11', '12', '14', '16')
1	4	0.0	0.49255	('2', '5', '7', '10', '13', '14', '15', '16', 'T')
1	5	0.35893	0.0196	('2', '4', '7', '8', '10', '15', '16', '17')
1	6	0.0	0.48495	('5', '7', '10', '16', 'T')
1	7	0.0	0.48125	('4', '5', '9', '10', '13', '15', '17')
1	8	0.0	0.49035	('3', '5', '9', '12', '13', '16', '17')
1	9	0.0	0.49585	('5', '8', '13', '14', '15', '16', '17', 'T')
1	10	0.05797	0.35036	('5', '14', '15', '16', '17')
1	11	0.24968	0.93541	('2', '5', '7')
1	12	0.0	0.48405	('2', '3', '4', '5', '6', '7', '10', '11', '16', '17')
1	13	0.0	0.46265	('3', '7', '10', '11', '15', '16')
1	14	0.0	0.48035	('2', '4', '7', '11', '12', '13', '16', '17', 'T')
1	15	0.0	0.47575	('11', '13', '14')
1	16	0.26905	0.05769	('2', '5', '10', '12')
1	17	0.00949	0.47295	('5', '9', '10', '16')
1	T	0.0	0.48495	('3', '6', '7', '8', '9', '11', '12', '13', '15', '17')
2	3	0.0	0.50455	('5', '7', '12', '13', '14', '15', '17', 'T')
2	4	0.0	0.48405	('5', '9', '14', '16')
2	5	0.08252	0.31927	('1', '3', '4', '7', '8', '10', '14', '15', '16', '17')
2	6	0.0	0.47645	('1', '5', '7', '10', '12', '15', '17', 'T')
2	7	0.19396	0.13269	('9', '16')
2	8	0.0	0.49295	('1', '4', '7', '9', '10', '11', '12', '13', '15', '17')
2	9	0.02811	0.42916	('5', '7', '13', '14', '17')
2	10	0.0	0.48175	('1', '5', '6', '7', '8', '9', '13', '14', '17')
2	11	0.10169	0.70403	('1', '5', '7', '10')
2	12	0.07218	0.31577	('5', '7', '10', '13', '14', '16', '17')
2	13	0.0	0.47395	('10', '11', '14', '15')
2	14	0.0	0.46655	('1', '4', '6', '7', '8', '10', '11', '12', '15')
2	15	0.1063	0.71563	('7', '16', 'T')
2	16	0.06804	0.34307	('1', '5', '7', '10', '12', '14')
2	17	0.16526	0.17418	('5', '7', '9', '10', '14', '16', 'T')
2	T	0.0	0.48775	('3', '6', '9', '10', '11', '12', '16', '17')
3	4	0.0	0.49305	('1', '2', '6', '7', '11', '14', '15')
3	5	0.07668	0.32767	('2', '10', '15', 'T')
3	6	0.0	0.49795	('4', '7', '9', '11', '12', '14', '16')
3	7	0.0	0.49195	('2', '6', '8', '11', '12', '13', '14', '16')
3	8	0.0	0.49385	('1', '5', '9', '10', '11', '13', '14', '15', '16', '17')
3	9	0.02049	0.44606	('2', '5', '7', '10', '11', '14', '15', '17', 'T')
3	10	0.0496	0.38466	('5', '11', '14', '15', '16', '17', 'T')
3	11	0.21168	0.11079	('10', '13', '15', 'T')
3	12	0.0	0.49795	('1', '4', '6', '7', '9', '10', '16')
3	13	0.0	0.48315	('4', '6', '9', '10', '12', '14', 'T')
3	14	0.0	0.49835	('2', '11', '13', '15')
3	15	0.0	0.49615	('2', '5', '10', '11', 'T')
3	16	0.04243	0.40246	('1', '2', '5', '10', '11')
3	17	0.0	0.51025	('1', '5', '9', '11', '13', '15')
3	T	0.0	0.50115	('5', '7', '9', '10', '11', '16')
4	5	0.11908	0.24638	('1', '2', '9', '10', '15', 'T')
4	6	0.0	0.48265	('7', '13', '14')
4	7	0.00775	0.45735	('2', '9', '13')
4	8	0.0	0.49125	('1', '2', '6', '9', '16')
4	9	0.18884	0.13599	('2', '5', '7', '13', 'T')
4	10	0.06277	0.63354	('7', '13')
4	11	0.0	0.46595	('10', '13', 'T')
4	12	0.0	0.48185	('1', '2', '6', '8', '10', '11', '16', '17', 'T')
4	13	0.0305	0.39556	('1', '7', '9', '10', '11', '14', '15')
4	14	0.0	0.48075	('1', '2', '5', '6', '9', '11', '15')
4	15	0.0	0.49235	('2', '3', '6', '7', '12', '13', '14', '17', 'T')
4	16	0.0	0.47135	('1', '2', '5', '6', '7', '9', '10', '15')
4	17	0.0	0.47795	('3', '7', '9', '13', '14', '15', 'T')
4	T	0.03347	0.40206	('5', '9', '13', '16')
5	6	0.05779	0.62104	('13',)
5	7	0.0	0.49085	('3', '8', '10', '14', '15', 'T')
5	8	0.11688	0.24518	('1', '2', '9', '10', '15', '16')
5	9	0.0	0.49115	('10', '12', '14', '17', 'T')
5	10	0.09311	0.29107	('1', '2', '3', '12', '15')
5	11	0.0	0.48165	('1', '2', '10', '16', 'T')
5	12	0.0	0.49325	('1', '4', '6', '8', '9', '15', '16')
5	13	0.27918	0.9571	('6', '10', '11', '14')
5	14	0.0	0.47565	('2', '4', '7', '9', '13', '15', '16', '17', 'T')
5	15	0.19342	0.12699	('1', '3', '4', '6', '8', '10', '12', '14')
5	16	0.0	0.49265	('1', '2', '3', '8', '10', '12', '13', 'T')
5	17	0.0	0.50555	('1', '2', '3', '8', '9', '10', '15')
5	T	0.0	0.49405	('3', '9', '10', '15', '16')
6	7	0.0	0.45835	('2', '3', '4', '9', '10', '11', '13', 'T')
6	8	0.0	0.49415	('7', '9', '13', '14', '16')
6	9	0.0	0.48585	('1', '2', '3', '4', '5', '8', '11', '13', 'T')
6	10	0.01581	0.51845	('5', '12', '16', 'T')
6	11	0.00707	0.49095	('13', '15', 'T')
6	12	0.17743	0.85941	('10', '16', 'T')
6	13	0.37439	0.0301	('11', '14', '15')
6	14	0.02966	0.54175	('13',)
6	15	0.16846	0.16028	('13', '14')
6	16	0.04012	0.58674	('1', '5', '10', '12')
6	17	0.0	0.48175	('1', '2', '5', '8', '10', '12', '15', '16')
6	T	0.0	0.46925	('1', '3', '8', '10', '11', '14', '15')
7	8	0.0	0.48105	('2', '5', '10', '11', '12', '14', '15', 'T')
7	9	0.18086	0.15208	('2', '13', 'T')
7	10	0.17933	0.86711	('5', '14', '15', '16', 'T')
7	11	0.10129	0.69883	('2',)
7	12	0.0	0.45495	('2', '4', '5', '6', '11', '14', '15', 'T')
7	13	0.02408	0.41296	('1', '2', '4', '6', '9', '12', '14')
7	14	0.16697	0.84552	('10', '15')
7	15	0.07314	0.64404	('5', '11', '13', '14')
7	16	0.0	0.48545	('2', '9', '13', '15', 'T')
7	17	0.0	0.47135	('2', '4', '9', '12', '16', 'T')
7	T	0.0	0.46085	('2', '4', '5', '8', '10', '13', '14', '16')
8	9	0.20955	0.10719	('1', '2', '5', '11', '12', '13', '15', '17', 'T')
8	10	0.0	0.47955	('3', '5', '12', '13', '14', '16', '17')
8	11	0.03082	0.41956	('10', '13', '15', 'T')
8	12	0.14202	0.20518	('2', '5', '9', '10', '11', '13', '14', '15', '16', '17')
8	13	0.0	0.47095	('1', '6', '7', '10', '11', '14', '16')
8	14	0.0	0.47295	('2', '10', '15', '16')
8	15	0.0	0.46455	('5', '10', '11', '12', '13', '16', 'T')
8	16	0.0	0.48465	('1', '2', '5', '10', '12', '14', '15')
8	17	0.0	0.50865	('5', '9', '16')
8	T	0.0	0.50095	('1', '2', '4', '5', '11', '12', '14', '15', '17')
9	10	0.0	0.48075	('1', '2', '4', '5', '7', '8', '12', '13', '14', '15')
9	11	0.0	0.50125	('1', '3', '4', '12', '13', '14', '15', '16', '17')
9	12	0.0	0.48175	('1', '2', '5', '8', '14', '15', '17', 'T')
9	13	0.0	0.45205	('1', '2', '3', '5', '6', '7', '11', '15', 'T')
9	14	0.0	0.48815	('5', '7', '12', '13', '15', '16', '17', 'T')
9	15	0.0	0.47705	('1', '2', '3', '7', '10', '12', '14', '16', '17', 'T')
9	16	0.00316	0.46935	('10', '13')
9	17	0.58406	0.0002	('10', 'T')
9	T	0.14408	0.19688	('13', '17')
10	11	0.0305	0.52925	('1', '5', '13')
10	12	0.0743	0.31397	('5', '8', '13', '14', '15', '16', '17')
10	13	0.0	0.45195	('1', '4', '5', '6', '7', '11', '12', '14', '15')
10	14	0.0	0.45925	('2', '4', '6', '8', '13', '17', 'T')
10	15	0.00447	0.44376	('5', '13', '14', 'T')
10	16	0.03209	0.41966	('1', '12', '13')
10	17	0.18743	0.13479	('1', '2', '5', '12', '13', 'T')
10	T	0.0	0.47115	('1', '2', '5', '11', '15', '16', '17')
11	12	0.0	0.46605	('3', '4', '5', '8', '9', '13', '14', '17', 'T')
11	13	0.34208	0.037	('3', '6', '12', '14', 'T')
11	14	0.00447	0.47335	('10', '13', '15')
11	15	0.05263	0.33677	('3', '5', '6', '12', '13', '14', 'T')
11	16	0.0	0.48965	('1', '10', '15')
11	17	0.0	0.48935	('1', '2', '7', '8', '9', '10', '12', '16')
11	T	0.12235	0.22838	('10', '13')
12	13	0.0	0.44756	('1', '3', '6', '7', '8', '9', '10', '14', '16', '17', 'T')
12	14	0.0	0.46795	('2', '5', '7', '9', '10', '13', '16', 'T')
12	15	0.05595	0.33767	('5', '10', '13', '14')
12	16	0.08854	0.29567	('1', '2', '3', '7', '8', '10', '13', '14')
12	17	0.0272	0.42796	('10', 'T')
12	T	0.0	0.47835	('2', '3', '4', '5', '8', '9', '11', '14', '15', '16')
13	14	0.43392	0.011	('2', '6', '11', '15')
13	15	0.0	0.43636	('1', '3', '4', '6', '7', '8', '12', '16')
13	16	0.10359	0.72273	('6', '9', '11', '14', '15')
13	17	0.0	0.49225	('1', '3', '5', '9', '10', '14', '15', '16', 'T')
13	T	0.0	0.45475	('1', '2', '4', '6', '8', '9', '10', '14')
14	15	0.161	0.16428	('5', '6', '11')
14	16	0.0	0.47965	('4', '5', '7', '10', '13', '15', '17', 'T')
14	17	0.0	0.50245	('5', '7', '9', '12', '13', '16')
14	T	0.09482	0.70013	('5', '7', '13', '17')
15	16	0.01703	0.52845	('1', '2', 'T')
15	17	0.01095	0.51125	('2', 'T')
15	T	0.05983	0.61884	('2', '7', '13', '17')
16	17	0.0	0.49455	('1', '3', '5', '10', '11', '12', 'T')
16	T	0.0	0.49245	('9', '10', '13', '14')
17	T	0.44219	0.0041	('9', '10')

Table 19: Western Europe

Var X	Var Y	min dcor	p-value	condition
1	2	0.0	0.47295	('7', '9', '10', '11', '15', '17')
1	3	0.21185	0.77442	('2', '5', '6', '10', '16')
1	4	0.0	0.53535	('2', '5', '6', '7', '10', '16', 'T')
1	5	0.11921	0.29047	('2', '6', '10', '11', '13', 'T')
1	6	0.4826	0.0433	('2', '3', '4', '7', '12', '14', '15', '16')
1	7	0.0	0.43996	('9', '10', '13', '14', '15', '16')
1	8	0.0	0.48365	('5', '6', '7', '9', '10', '14', '16')
1	9	0.00447	0.45795	('3', '7', '16')
1	10	0.06488	0.37056	('2', '7', '9', '13', '14', '15', '16', '17')
1	11	0.0	0.50425	('2', '3', '4', '7', '10', '12', '14', '15', '16', '17')
1	12	0.0	0.49185	('3', '9', '10', '11', '14', '15', '16', 'T')
1	13	0.08379	0.34337	('2', '6', '11', 'T')
1	14	0.0	0.48595	('3', '7', '10', '11', '13', 'T')
1	15	0.05523	0.53395	('3', '10')
1	16	0.01732	0.53955	('5', '6', '10', '13', '14')
1	17	0.0	0.49195	('2', '5', '13', 'T')
1	T	0.0	0.47835	('2', '5', '6', '7', '11', '13')
2	3	0.0	0.49955	('1', '12', '13', '14', '15', '16', '17', 'T')
2	4	0.04743	0.56664	('1', '7', '12', '13', '16', 'T')
2	5	0.0	0.47715	('1', '3', '7', '8', '10', '16')
2	6	0.0	0.49495	('1', '15', '17', 'T')
2	7	0.0	0.46075	('3', '10', '11', '17')
2	8	0.0	0.51545	('7', '9', '12', '13')
2	9	0.0	0.48365	('5', '7', '11', '12', '13', '16')
2	10	0.0	0.49615	('4', '6', '7', '8', '13', '14', '16', '17', 'T')
2	11	0.0	0.48665	('1', '3', '6', '7', '9', '12', '13', '14', '15', '17', 'T')
2	12	0.15937	0.29277	('1', '4', '6', '14', '17')
2	13	0.14078	0.29637	('1', '7', '11', '16', 'T')
2	14	0.05348	0.57294	('5', '10', '13', '17')
2	15	0.10164	0.62754	('5', '10', '17')
2	16	0.10407	0.34957	('10', '14', '15')
2	17	0.44958	0.9536	('6', '9', '14', '15')
2	T	0.29932	0.14909	('7', '10', '13', '16')
3	4	0.0	0.50825	('2', '5', '6', '7', '8', '9', '10', '12', '13', '14', 'T')
3	5	0.0	0.48585	('10', '11', '17', 'T')
3	6	0.0	0.50175	('1', '7', '10', '16')
3	7	0.0	0.53685	('4', '8', '13', '14', '15', '16', '17')
3	8	0.0	0.50085	('1', '2', '4', '6', '11', '12', '13', '14', '16', '17')
3	9	0.0	0.49605	('2', '5', '11', '12', '17', 'T')
3	10	0.0	0.48075	('2', '7', '14', '15', '16', '17')
3	11	0.0	0.48615	('2', '14', '15')
3	12	0.06626	0.41866	('2', '9', '11', '15')
3	13	0.0	0.50825	('5', '6', '7', '11', '14', '15', '16', '17')
3	14	0.25554	0.16988	('7', '11', '13', '15', '17')
3	15	0.21164	0.23838	('12', '13', '17')
3	16	0.0	0.48585	('12', '14', 'T')
3	17	0.03162	0.45055	('10',)
3	T	0.0	0.51285	('1', '6', '8', '9', '11', '12', '15')
4	5	0.0	0.52065	('2', '6', '10', '11', '12', '13', '15', '17')
4	6	0.25346	0.81952	('1', '2', '7', '10', '15', '17', 'T')
4	7	0.0	0.51625	('2', '3', '5', '6', '13')
4	8	0.0	0.49345	('1', '3', '6', '7', '10', '12', '13', '14', '16', '17')
4	9	0.0	0.50885	('1', '5', '6', 'T')
4	10	0.0	0.50445	('2', '3', '6', '14', '15', '17', 'T')
4	11	0.18794	0.25267	('2', '6')
4	12	0.0	0.48505	('1', '2', '3', '5', '7', '9', '10', '15', '16')
4	13	0.0	0.54205	('1', '2', '3', '5', '6', '7', '16', '17')
4	14	0.0	0.50265	('1', '5', '6', '9', '17', 'T')
4	15	0.0	0.48955	('1', '2', '13')
4	16	0.0	0.48765	('1', '5', '7', '8', '9', '17')
4	17	0.0	0.50525	('3', '6', '7', '9', '11', '14', '15')
4	T	0.0	0.51455	('1', '2', '3', '6', '7', '10', '11', '13', '16')
5	6	0.0	0.41206	('1', '2', '7', '8', '10', '13', '16', 'T')
5	7	0.18193	0.27207	('2', '6', '9', '10', '12', '13', '14', 'T')
5	8	0.08832	0.36566	('1', '7', '11', '13', '15')
5	9	0.0	0.48575	('1', '10', '11', '13', '14', '15', 'T')
5	10	0.11811	0.33617	('2', '17')
5	11	0.0	0.48005	('2', '3', '8', '10', '12', '13', '15', '16', 'T')
5	12	0.0	0.49835	('1', '3', '7', '8', '11', '15', '16', 'T')
5	13	0.0	0.44146	('1', '2', '3', '7', '10', '16')
5	14	0.0	0.48425	('1', '7', '8', '9', '11', '13', '16', 'T')
5	15	0.0	0.45265	('1', '2', '8', '9', '13', '16')
5	16	0.0	0.50805	('1', '11', '14', '15', 'T')
5	17	0.23573	0.80622	('1', '2', '7', '10', '11')
5	T	0.0	0.46865	('1', '2', '8', '9', '11', '13', '15', '16')
6	7	0.12377	0.30967	('2', '4', '12', '13', '15', '16', '17')
6	8	0.0	0.49445	('1', '5', '10', '12', '13', '14', '15', '16', '17', 'T')
6	9	0.0	0.45615	('1', '2', '7', '11', '12', '14', '15', '16', '17', 'T')
6	10	0.0	0.49935	('3', '4', '5', '8', '12', '13', '17', 'T')
6	11	0.0	0.49055	('2', '3', '4', '9', '10', '12', '14', '15', '16', '17', 'T')
6	12	0.01517	0.52835	('2', '3', '10', '11')
6	13	0.0	0.48405	('1', '2', '5', '7', '15', '17', 'T')
6	14	0.0	0.49345	('2', '3', '9', '10', '11', '13', '15')
6	15	0.0	0.46865	('1', '4', '5', '8', '12', '13', '16', 'T')
6	16	0.0	0.50335	('1', '2', '8', '11', '12', '15', '17')
6	17	0.19769	0.24088	('2', '10')
6	T	0.0	0.49525	('1', '3', '7', '10', '13', '16', '17')
7	8	0.0	0.46365	('1', '3', '6', '9', '10', '13', '14', '17', 'T')
7	9	0.1089	0.35576	('2', '3', '5', '6', '12', '16', 'T')
7	10	0.0	0.47685	('1', '2', '11', '12', '14', '16', '17')
7	11	0.0	0.50225	('1', '2', '3', '4', '5', '8', '10', '12', '15', '17')
7	12	0.0	0.44876	('1', '2', '3', '5', '9', '10', '11', '15', 'T')
7	13	0.0	0.45785	('2', '5', '6', '9', '14', '15', '16', 'T')
7	14	0.0	0.46545	('1', '9', '10', '13', 'T')
7	15	0.09783	0.59464	('10', '11', '16', '17')
7	16	0.2511	0.82852	('3', '5', '6', '10', '14')
7	17	0.00447	0.51325	('15', '16')
7	T	0.07765	0.35666	('9', '10', '13')
8	9	0.0	0.49505	('3', '4', '12', '15')
8	10	0.0	0.50005	('2', '7', '9', '12', '13', '14', '16', '17')
8	11	0.0114	0.47245	('2', '5', '10', '14', '15', '16', 'T')
8	12	0.0	0.46375	('2', '9', '14', '15', 'T')
8	13	0.0	0.46895	('1', '7', '9', '11', '17')
8	14	0.36057	0.08849	('5', '7', '11', '13', '17', 'T')
8	15	0.0	0.47295	('2', '7', '9', '14')
8	16	0.0	0.48285	('2', '3', '6', '7', '10', '11', '12', '13', '14', '15')
8	17	0.0	0.50025	('2', '3', '5', '7', '11', '12', '14')
8	T	0.0	0.50145	('2', '6', '9', '11', '14')
9	10	0.0	0.48365	('2', '3', '14', '16', 'T')
9	11	0.0	0.50635	('4', '6', '7', '12', '14', '16', '17', 'T')
9	12	0.21223	0.21408	('2', '3', '7', '10', '15', '16')
9	13	0.0	0.47605	('3', '5', '12', '15', 'T')
9	14	0.00316	0.49785	('7', '10', '15', '16', 'T')
9	15	0.0	0.47015	('3', '6', '7', '8', '10', '14', '16', 'T')
9	16	0.47259	0.0299	('1', '10', '13', '14')
9	17	0.0	0.49505	('10', '15', '16', 'T')
9	T	0.0	0.47165	('3', '5', '6', '10', '12', '13', '16')
10	11	0.0	0.48345	('3', '4', '6', '13', '15', '16')
10	12	0.17378	0.24738	('13', '17', 'T')
10	13	0.0	0.50135	('1', '2', '3', '7', '14', '15', '17', 'T')
10	14	0.11238	0.64604	('3', '7', '11', '13', '17')
10	15	0.0	0.49035	('3', '5', '11', '16', '17', 'T')
10	16	0.0	0.48795	('1', '3', '4', '6', '12', '13', '14')
10	17	0.52462	0.9774	('3', '6', '14', '15', '16', 'T')
10	T	0.0	0.49855	('1', '2', '7', '9', '14', '16', '17')
11	12	0.14429	0.28607	('2', '9', '10', '13', '15')
11	13	0.0	0.49175	('1', '2', '3', '4', '5', '6', '7', '8', '10', '12', '14', '15', '16', 'T')
11	14	0.25938	0.17608	('3', '4', '5', '7', '8', '12', '13', '15', '17', 'T')
11	15	0.0272	0.45775	('3', '4', '8', '12', '17')
11	16	0.0	0.49145	('2', '3', '4', '6', '14', '17')
11	17	0.0	0.50305	('3', '4', '5', '6', '8', '10', '13')
11	T	0.0	0.44216	('2', '8', '9', '12', '15', '16')
12	13	0.2911	0.87001	('1', '6', '14', '17', 'T')
12	14	0.0	0.47305	('1', '3', '4', '5', '6', '8', '15', '17', 'T')
12	15	0.0	0.41496	('2', '5', '9', '10', '11', '17')
12	16	0.0	0.45445	('5', '6', '7', '13', '14', 'T')
12	17	0.0	0.50295	('2', '7', '10')
12	T	0.0	0.47705	('1', '5', '6', '7', '9', '13', '14', '17')
13	14	0.0	0.48155	('1', '3', '7', '8', '10', '11', '16', 'T')
13	15	0.01183	0.49655	('T',)
13	16	0.05367	0.37366	('1', '2', '9', '11', '17', 'T')
13	17	0.0	0.47565	('1', '6', '7', '8', '11', '14', 'T')
13	T	0.8135	0.0006	('1', '2', '3', '5', '7', '11', '16', '17')
14	15	0.0	0.46715	('3', '6', '7', '8', '9', '11', '12', 'T')
14	16	0.28698	0.85931	('3', '7')
14	17	0.00447	0.50005	('3', 'T')
14	T	0.0	0.47555	('1', '4', '5', '7', '8', '11', '13', '15', '17')
15	16	0.13058	0.67113	('2', '9', '10', '13', 'T')
15	17	0.37414	0.09099	('2', '10', 'T')
15	T	0.00316	0.48405	('2', '7', '10', '16')
16	17	0.0	0.50545	('2', '3', '5', '7', '10')
16	T	0.02098	0.43616	('2', '13')
17	T	0.0	0.50025	('1', '3', '7', '8', '10', '11', '14', '15')

Table 20: Southern Europe

Var X	Var Y	min dcor	p-value	condition
1	2	0.0	0.46525	('3', '7', '9', '10', 'T')
1	3	0.08343	0.30507	('2', '5', '7', '12', '16')
1	4	0.0	0.49295	('2', '5', '6', '9', '13', '17', 'T')
1	5	0.0	0.49385	('2', '3', '7', '10', '17', 'T')
1	6	0.10663	0.74183	('2', '5', '10', '12', '13', '15')
1	7	0.0	0.45915	('4', '8', '10', '11', '13', '17', 'T')
1	8	0.1377	0.16348	('2', '5', '9', '10', '14', '15', '16', '17')
1	9	0.0	0.47925	('2', '5', '7', '8', '10', '11', '13', '14', '16', '17', 'T')
1	10	0.06819	0.29447	('2', '3', '5', '7', '14', '15', '16', '17', 'T')
1	11	0.0	0.46845	('4', '6', '7', '9', '16', 'T')
1	12	0.0	0.46835	('2', '5', '7', '9', '11', '15', '16', '17')
1	13	0.09513	0.69123	('2', '8', '9', '10', '12', '15', '16', 'T')
1	14	0.0	0.49075	('2', '3', '4', '8', '11', '12', '16', '17', 'T')
1	15	0.10742	0.21758	('9', '12')
1	16	0.05745	0.33667	('2', '6', '8', '9', '12', '17', 'T')
1	17	0.06481	0.32997	('2', '3', '5', '8', '9', '10', '12', '13', '15', '16')
1	T	0.0	0.46295	('2', '4', '5', '8', '12', '17')
2	3	0.28967	0.0369	('7', '13')
2	4	0.0	0.48735	('1', '3', '5', '9', '10', '13', '14', 'T')
2	5	0.0	0.46475	('1', '3', '4', '7', '9', '10', '11', '12', '13', '16', 'T')
2	6	0.0	0.42836	('1', '7', '8', '9', '10', '13', '16', '17', 'T')
2	7	0.06269	0.31017	('3', '5', '10', '11', '14', 'T')
2	8	0.0	0.43796	('5', '6', '7', '11', '13', '15')
2	9	0.0	0.46745	('3', '5', '11', '14')
2	10	0.0	0.44896	('1', '3', '5', '7', '11', '13', '14')
2	11	0.08837	0.24378	('3', '5', '7', '10', '13', '14', '16', 'T')
2	12	0.0	0.46445	('1', '4', '7', '9', '13', '15')
2	13	0.0	0.42126	('3', '5', '6', '7', '10', '12', 'T')
2	14	0.0496	0.32647	('1', '3', '4', '7', '11', '12', '13', '16')
2	15	0.0	0.40716	('3', '4', '5', '7', '8', '10', '11', '12', '13', '14', '16')
2	16	0.0	0.45285	('1', '5', '8', '9', '15', 'T')
2	17	0.0	0.44546	('4', '6', '7', '9', '10', '12', '13', '15', '16', 'T')
2	T	0.0	0.46505	('1', '3', '5', '7', '10', '11', '13', '14', '16')
3	4	0.0	0.48955	('1', '2', '5', '7', '10', '11', '14', '15')
3	5	0.06	0.33387	('7', '10', '13')
3	6	0.0	0.46385	('2', '4', '5', '7', '11', '16')
3	7	0.30817	0.0241	('2', '5', 'T')
3	8	0.0	0.45795	('2', '6', '9', '10', '11', '15', 'T')
3	9	0.0	0.49105	('2', '4', '5', '7', '10', '12', '13', '15')
3	10	0.0	0.48295	('2', '5', '7', '13', '15')
3	11	0.0	0.49145	('1', '7', '10', '13')
3	12	0.05621	0.34837	('1', '2', '7', '11', '14', '15')
3	13	0.07727	0.24448	('2', '5', '6', '7')
3	14	0.0	0.47455	('1', '2', '5', '6', '7', '11', '13', '17', 'T')
3	15	0.0	0.44006	('4', '6', '7', '8', '11', '12', '13', 'T')
3	16	0.0	0.46225	('4', '5', '13', '15', 'T')
3	17	0.0	0.48515	('1', '5', '7', '9', '10', '11', '14', '15', '16', 'T')
3	T	0.15027	0.16238	('7', '13')
4	5	0.0	0.47885	('6', '7', '8', '9', '12', '13', 'T')
4	6	0.0	0.47585	('2', '7', '9', '14')
4	7	0.30892	0.0264	('3', '9', '10', '11', '14', 'T')
4	8	0.0	0.49485	('1', '2', '3', '5', '7', '9', '11', '16', '17', 'T')
4	9	0.01643	0.45225	('7', '10', '14', '16', 'T')
4	10	0.13594	0.18958	('5', '7', '14', 'T')
4	11	0.01	0.46785	('7', '10', '13', '14', '16', 'T')
4	12	0.0	0.48305	('7', '13')
4	13	0.0	0.44056	('2', '3', '5', '6', '11', '15')
4	14	0.40116	0.0099	('2', '7', '9', '10', '11', '12')
4	15	0.0	0.45745	('5', '6', '7', '8', '12', '16', 'T')
4	16	0.0	0.47455	('3', '5', '7', '9', '13', '15', 'T')
4	17	0.0	0.47975	('3', '8', '9', '11', '14', '15', 'T')
4	T	0.02881	0.55944	('7', '10')
5	6	0.02214	0.54645	('1', '7', '10', '13', '15')
5	7	0.28947	0.0305	('10', 'T')
5	8	0.0	0.49105	('3', '6', '7', '17')
5	9	0.0	0.49175	('2', '3', '4', '6', '7', '8', '10', '11', '12', '13', '16', '17')
5	10	0.31961	0.0269	('7', '13')
5	11	0.0	0.48855	('1', '7', '10', 'T')
5	12	0.05639	0.62934	('15', '16')
5	13	0.0	0.45155	('1', '4', '6', '7', '9', '11', '12', '15', '16', 'T')
5	14	0.0	0.46585	('4', '13', '15', 'T')
5	15	0.08155	0.69343	('7', '10', '16', 'T')
5	16	0.0	0.49515	('2', '7', '10', '15')
5	17	0.0	0.48075	('1', '3', '7', '9', '10', '11', '13', '16')
5	T	0.0	0.49925	('7', '10', '13')
6	7	0.0	0.44526	('5', '10', '12', '13', 'T')
6	8	0.0	0.48865	('1', '2', '5', '7', '9', '10', '13', '14', '15', '17', 'T')
6	9	0.0	0.47145	('1', '7', '11', '12', '14', '16', 'T')
6	10	0.0	0.43066	('2', '7', '12', '13')
6	11	0.06116	0.31027	('2', '14', '16', 'T')
6	12	0.05273	0.61064	('1', '13', '15')
6	13	0.00894	0.39266	('1',)
6	14	0.14381	0.15548	('2', '11', '16')
6	15	0.12633	0.80312	('1', '12', '13')
6	16	0.10826	0.21148	('5', '13', '15')
6	17	0.0	0.45435	('2', '5', '9', '10', '12', '13', '14', '15', 'T')
6	T	0.0	0.43166	('4', '8', '9', '11', '12', '16', '17')
7	8	0.0	0.49755	('1', '3', '5', '6', '15', '17')
7	9	0.24251	0.05979	('2', '3', '4', '5', '10', '11', '16', '17', 'T')
7	10	0.19568	0.09909	('1', '2', '3', '4', '5', '9', 'T')
7	11	0.04848	0.35406	('2', '3', '4', '5', '9', '10', '13', '16', 'T')
7	12	0.0	0.47905	('1', '2', '4', '6', '10', '11', 'T')
7	13	0.0	0.46295	('2', '4', '9', '11', '12', '14', '17', 'T')
7	14	0.0	0.47825	('2', '4', '10', '11', '12', '15', 'T')
7	15	0.02302	0.51745	('3', '5', '6', '10', '11', '14', '16', 'T')
7	16	0.0	0.46115	('10', '13', '14', '15')
7	17	0.0	0.48865	('1', '2', '3', '4', '6', '8', '9', '11', '12', '13', '16', 'T')
7	T	0.36602	0.0092	('3', '5', '9', '10')
8	9	0.12079	0.21308	('1', '7', '10', '11', '14', '16', '17', 'T')
8	10	0.0	0.48235	('3', '4', '5', '6', '7', '15', '17', 'T')
8	11	0.0886	0.28487	('2', '4', '5', '7', '9', '10', '12', '13', '14', '16', '17', 'T')
8	12	0.0	0.48715	('3', '5', '6', '7', '9', '11', '14', '15', '16', '17', 'T')
8	13	0.00707	0.48965	('1', '9', '11')
8	14	0.07141	0.31467	('1', '2', '4', '6', '10', '11', '12', '16', '17')
8	15	0.0	0.45615	('2', '3', '9', '10', '11', '14', '16')
8	16	0.10469	0.23738	('1', '6', '9', '11', '13', '17')
8	17	0.45507	0.0015	('1', '5', '9', '10', '11', '13', '14', '16')
8	T	0.0	0.45955	('1', '3', '6', '7', '11', '12', '13', '14', '15')
9	10	0.0	0.47795	('2', '4', '5', '6', '11', '14', '16', '17')
9	11	0.0	0.48925	('2', '3', '4', '5', '6', '7', '8', '10', '12', '13', '16')
9	12	0.0	0.48925	('4', '5', '6', '7', '8', '13', '15', 'T')
9	13	0.09849	0.73213	('1', '8', '10', '11', '15', '16', 'T')
9	14	0.0	0.49275	('2', '3', '6', '8', '11', '12', '13')
9	15	0.00447	0.44566	('1', '12', 'T')
9	16	0.04494	0.37006	('1', '6', '8', '11', '17', 'T')
9	17	0.2692	0.0399	('2', '3', '7', '8', '10', '13', '16', 'T')
9	T	0.12558	0.19838	('7',)
10	11	0.0	0.47315	('2', '5', '7', '13', '16', 'T')
10	12	0.0	0.47735	('4', '5', '6', '7', '13', '16', 'T')
10	13	0.0	0.40786	('1', '2', '3', '5', '7', '8', '15', '16', '17')
10	14	0.0	0.47405	('1', '4', '5', '6', '9', '13')
10	15	0.0	0.45045	('2', '3', '4', '5', '6', '7', '11', '13', '14', '16')
10	16	0.0	0.45165	('2', '5', '13', '15', 'T')
10	17	0.0114	0.44826	('1', '2', '3', '4', '5', '7', '8', '9', '13', 'T')
10	T	0.0	0.48245	('7', '13')
11	12	0.0	0.47675	('2', '3', '8', '13', '14', '15')
11	13	0.0	0.44536	('8', '14', '16')
11	14	0.0	0.47385	('1', '2', '4', '5', '6', '8', '9', '10', '13', '16', 'T')
11	15	0.01517	0.49925	('2', '5', '6', '7', '10', '13', '16', 'T')
11	16	0.04764	0.34467	('2', '6', '8', '9', '12', '13', 'T')
11	17	0.0	0.48075	('4', '5', '6', '8', '10', '12', '13', '14', '15', '16', 'T')
11	T	0.06797	0.30877	('2', '7', '10', '16')
12	13	0.0	0.45455	('2', '3', '7', '8', '10', '15', 'T')
12	14	0.15	0.16608	('1', '7', '11', '15', '16')
12	15	0.31175	0.028	('5', '6', '7', '13', '16', 'T')
12	16	0.0	0.48005	('1', '3', '4', '6', '15', '17', 'T')
12	17	0.0	0.48615	('1', '9', '11', '13', '14', '15', '16')
12	T	0.04183	0.58914	('5', '7', '13')
13	14	0.0	0.42866	('4', '7', '9', '10', '15', '16', '17', 'T')
13	15	0.0	0.41096	('1', '5', '6', '9', '10', '11', '16', 'T')
13	16	0.01924	0.50235	('1', '9', '11')
13	17	0.0	0.40616	('2', '10', '11', '12', '14', '15')
13	T	0.0	0.43076	('2', '3', '5', '12', '17')
14	15	0.0	0.45555	('2', '4', '6', '7', '10', '12', '13', 'T')
14	16	0.0	0.45175	('1', '7', '10', '11', '15', '17')
14	17	0.0	0.46905	('4', '7', '9', '10', '11', '12', 'T')
14	T	0.0	0.45125	('1', '8', '10', '12', '13', '17')
15	16	0.04806	0.59034	('1', '5', '6', '11', '13', 'T')
15	17	0.0	0.45735	('1', '9', '10', '12', '14')
15	T	0.0	0.46645	('3', '5', '6', '7', '10', '11', '16')
16	17	0.0	0.48225	('1', '2', '6', '8', '12', '13', 'T')
16	T	0.0	0.45525	('1', '2', '6', '7', '8', '9', '11', '13')
17	T	0.0	0.48945	('4', '5', '6', '7', '8', '9', '11', '12', '15')

Table 21: Northern Europe

Var X	Var Y	min dcor	p-value	condition
1	2	0.0	0.48255	('15', 'T')
1	3	0.0	0.48515	('2', '4', '6', '7', '9', '10', '11', '13', '14', '16', '17', 'T')
1	4	0.0	0.48595	('3', '5', '12', '14', '15', '17')
1	5	0.0	0.46195	('2', '10')
1	6	0.0	0.46375	('2', '10', '12', '15', 'T')
1	7	0.0	0.45135	('12', '13', '14', '17', 'T')
1	8	0.0	0.45655	('2', '5', '13', '14')
1	9	0.0	0.48035	('3', '4', '7', '8', '11', '12', '13', '17', 'T')
1	10	0.0	0.45005	('2', '7', '8', '9', '11', '13', '15', 'T')
1	11	0.0	0.47145	('2', '3', '4', '5', '7', '8', '12', '13', '15', '16')
1	12	0.17994	0.14909	('9', '10', '13', '15', 'T')
1	13	0.30574	0.0437	('15', 'T')
1	14	0.0	0.47415	('2', '4', '6', '7', '10', '12', '13', '16')
1	15	0.10877	0.25087	('13',)
1	16	0.0	0.45685	('3', '4', '6', '7', '8', '9', '12', '15', '17', 'T')
1	17	0.04785	0.34997	('7', '11', '12', '15', 'T')
1	T	0.0	0.47525	('7', '12', '15')
2	3	0.17863	0.15098	('5', '10', '11', '13')
2	4	0.0	0.50035	('3', '5', '6', '7', '9', '10', '11', '13')
2	5	0.02828	0.41486	('3', '7', '10', '14', '16')
2	6	0.0	0.47475	('7', '9', '10', '11', '13', '14')
2	7	0.01304	0.43406	('10', 'T')
2	8	0.0	0.48345	('4', '6', '7', '10', '13', '15')
2	9	0.0	0.48275	('3', '10', '11', '12', '13', '14', 'T')
2	10	0.32587	0.0357	('3', '7', '9', '11', '14')
2	11	0.05431	0.36856	('3', '9', '10', '14')
2	12	0.0	0.48895	('3', '10', '11', '13', '15')
2	13	0.04483	0.59204	('1', '15', '16')
2	14	0.0788	0.31877	('10', '11', '13')
2	15	0.08319	0.67313	('13',)
2	16	0.0	0.48555	('1', '5', '8')
2	17	0.0	0.48585	('3', '5', '6', '7', '8', '9', '11', '14')
2	T	0.0	0.46965	('8', '14', '16')
3	4	0.0	0.48565	('5', '6', '7', '9', '11', '12', '13', '15', '16')
3	5	0.09192	0.29207	('2', '4', '7', '11', '14', '16')
3	6	0.13357	0.21678	('1', '2', '4', '5', '10', '11', '12', '13', '14', '16', 'T')
3	7	0.0	0.47775	('2', '4', '5', '9', '10', '13', '14')
3	8	0.0	0.48285	('2', '5', '6', '10', '12', '15', '16', '17')
3	9	0.00548	0.48075	('2', '11', '12', '16')
3	10	0.0	0.48605	('2', '11', '12', '14', '15', '16')
3	11	0.21265	0.11099	('2', '5', '6', '9', '10', '12', '13', '14', '16', '17')
3	12	0.04336	0.39656	('1', '2', '9', '11')
3	13	0.0	0.47005	('2', '5', '7', '12', '14', '17')
3	14	0.0	0.48925	('1', '2', '9', '10', '11', '16')
3	15	0.0	0.44286	('7', '9', '10', '13', '16')
3	16	0.07036	0.33747	('5', '9', '13', '14')
3	17	0.0	0.49085	('1', '2', '10', '11', '12', '16')
3	T	0.0	0.48195	('2', '9', '13', '14', '15', '17')
4	5	0.08216	0.30777	('2', '3', '7', '9', '15', '16')
4	6	0.30842	0.0366	('1', '2', '3', '5', '9', '12', '13', '15', '17', 'T')
4	7	0.0	0.49285	('1', '2', '6', '11', '15')
4	8	0.0	0.50485	('1', '5', '6', '7', '10', '13', '15', 'T')
4	9	0.17196	0.15948	('2', '3', '5', '6', '10', '11', '12')
4	10	0.0	0.49925	('1', '2', '5', '6', '8', '11', '12', '14', 'T')
4	11	0.0	0.49785	('1', '2', '3', '5', '6', '7', '9', '10', '12', '13', '14', '15')
4	12	0.00316	0.49895	('1', '2', '5', '6', '9', '10', '11')
4	13	0.0	0.48725	('1', '5', '6', '7', '11', '12', '14', '16')
4	14	0.03347	0.56234	('7', '12', '15')
4	15	0.0	0.47785	('1', '6', '10', '12', '16', 'T')
4	16	0.0	0.49945	('2', '6', '7', '10', '12', '14', '15', '17', 'T')
4	17	0.19753	0.12249	('1', '5', '6', '7', '9', '10', '11')
4	T	0.0	0.49135	('1', '5', '6', '12', '13', '14', '15')
5	6	0.0	0.47755	('1', '2', '4', '9', '10', '15', 'T')
5	7	0.07308	0.29847	('2', '16', '17', 'T')
5	8	0.0	0.46185	('1', '10', '13', '15')
5	9	0.0	0.49155	('1', '3', '12', '13', '16')
5	10	0.01817	0.50055	('13', '16')
5	11	0.0	0.49995	('2', '3', '6', '7', '9', '10', '14', '17')
5	12	0.0	0.47035	('1', '2', '3', '6', '8', '14', '15', '17')
5	13	0.06693	0.62844	('15',)
5	14	0.0	0.48245	('2', '3', '7', '10', '11', '12', '13', '15', 'T')
5	15	0.00775	0.49135	('13',)
5	16	0.12207	0.23358	('3', '7', '14')
5	17	0.0	0.43956	('2', '3', '11', '15', 'T')
5	T	0.0	0.44626	('1', '6', '9', '10', '14', '16')
6	7	0.05958	0.62004	('12', '13', '15', '16')
6	8	0.0	0.47285	('10', '11', '12', '13', '15', '16')
6	9	0.0	0.48685	('3', '4', '7', '8', '10', '11')
6	10	0.0	0.43456	('1', '4', '17', 'T')
6	11	0.0	0.46505	('3', '4', '8', '12', '13', '14', '15', '16', '17')
6	12	0.03162	0.41286	('1', '3', '9', '11', '15', 'T')
6	13	0.0	0.46725	('2', '10', '15', 'T')
6	14	0.0	0.48535	('1', '11', '12', '15', '17')
6	15	0.24354	0.09409	('1', '11', '13', '16', 'T')
6	16	0.0	0.47195	('2', '4', '5', '13', '14', '17', 'T')
6	17	0.0	0.47855	('1', '4', '5', '7', '8', '9', '10', '11', '12', '13', '14', '15', '16', 'T')
6	T	0.0	0.46795	('1', '2', '3', '4', '5', '8', '11', '12', '16')
7	8	0.0	0.46175	('5', '9', '11', '14', '16', '17')
7	9	0.04722	0.59044	('12', '14', '15', '16')
7	10	0.0	0.46865	('2', '12', '14', '16', '17', 'T')
7	11	0.0	0.46705	('3', '5', '6', '8', '9', '10', '13', '15', '16')
7	12	0.0	0.47665	('1', '2', '6', '9')
7	13	0.0	0.47105	('1', '6', '15', '16')
7	14	0.0	0.48765	('2', '9', '13', '15', '16')
7	15	0.15385	0.82852	('1', '6', '9', '13', '16')
7	16	0.04438	0.56364	('T',)
7	17	0.11104	0.22838	('10', 'T')
7	T	0.21859	0.11079	('1', '5', '10', '17')
8	9	0.0	0.48435	('10', '11', '12', '15')
8	10	0.0	0.48565	('1', '2', '3', '7', '11', '13', '16', '17')
8	11	0.38151	0.0081	('9', '10', '13', '14', '15', '16', '17', 'T')
8	12	0.0	0.48305	('1', '2', '9', '10', '14', '15', '16', '17')
8	13	0.0	0.44336	('6', '9', '12', '14', '15')
8	14	0.10315	0.26837	('11', '13')
8	15	0.0	0.46385	('1', '6', '10', '11', '13', '14', '16', 'T')
8	16	0.06731	0.33497	('3', '5', '9', '13', '14', '15')
8	17	0.0	0.48065	('7', '9', '10', '11', '14', '15', 'T')
8	T	0.02324	0.43146	('7', '11', '13', '15')
9	10	0.07668	0.31497	('2', '11', '12', '16')
9	11	0.31867	0.0337	('2', '3', '4', '5', '8', '10', '12', '16')
9	12	0.28277	0.05209	('1', '2', '11')
9	13	0.0	0.45375	('5', '10', '14')
9	14	0.0	0.48715	('3', '5', '7', '8', '11', '12', '15', '16', '17', 'T')
9	15	0.0	0.45995	('1', '2', '3', '7', '8', '10', '11', '13', '14')
9	16	0.0	0.49415	('3', '5', '10', '15')
9	17	0.0	0.48485	('2', '3', '4', '7', '11', '14', '15', '16', 'T')
9	T	0.0	0.47355	('1', '2', '3', '4', '5', '8', '10', '12', '13', '15', '17')
10	11	0.37483	0.0093	('2', '9', '12', '14', '16', '17')
10	12	0.0	0.47835	('1', '2', '9', '11', '14', 'T')
10	13	0.08258	0.66823	('2',)
10	14	0.0	0.50035	('2', '11', '16', 'T')
10	15	0.0	0.45565	('2', '5', '7', '12', '14', '16')
10	16	0.0	0.47995	('1', '3', '4', '11', '12', '13', '14', '15', '17', 'T')
10	17	0.00316	0.47885	('7', '9', '11')
10	T	0.0	0.46965	('3', '4', '5', '7', '8', '11', '14', '16', '17')
11	12	0.09407	0.28577	('1', '2', '3', '9', '10', 'T')
11	13	0.0	0.47995	('1', '2', '5', '7', '17')
11	14	0.0455	0.38306	('2', '3', '5', '8', '9', '10', '13')
11	15	0.0	0.49565	('1', '3', '5', '6', '7', '12', '17')
11	16	0.0	0.48855	('1', '2', '3', '5', '7', '8', '10', '14', '17', 'T')
11	17	0.4351	0.0056	('1', '2', '3', '4', '5', '7', '8', '9', '10', '12')
11	T	0.0	0.48105	('1', '2', '3', '4', '8', '9', '13', '14', '16')
12	13	0.0	0.46205	('2', '6', '7', '8', '10', '15', '16')
12	14	0.03347	0.57314	('1', '4', '7', '15')
12	15	0.0	0.48335	('1', '3', '5', '7', '10', '11', '13', '14', '16', '17', 'T')
12	16	0.20469	0.88081	('1', '2', '7', '10', '17', 'T')
12	17	0.0	0.49755	('1', '2', '4', '7', '9', '10', '11', 'T')
12	T	0.0	0.47425	('7', '9', '10', '15')
13	14	0.0	0.47155	('2', '3', '5', '7', '9', '15')
13	15	0.62092	0.0002	('1', 'T')
13	16	0.0	0.45775	('1', '2', '3', '5', '8', '14', '15', 'T')
13	17	0.0	0.42476	('2', '3', '5', '9', '11')
13	T	0.03464	0.41296	('1', '7', '15')
14	15	0.03017	0.53695	('2',)
14	16	0.0114	0.45925	('2', '3', '5', '8', '13')
14	17	0.0	0.48035	('2', '4', '5', '7', '8', '10', '12', '15', 'T')
14	T	0.0	0.47535	('2', '3', '5', '6', '7', '8', '10', '13', '15', '16')
15	16	0.0	0.44956	('2', '4', '5', '6', '7', '11', '14', 'T')
15	17	0.0	0.44896	('1', '5', '6', '8', '13', '14', '16')
15	T	0.12822	0.20948	('13',)
16	17	0.0114	0.48935	('10', '12', 'T')
16	T	0.07701	0.65943	('7', '12', '15')
17	T	0.0	0.47555	('1', '2', '3', '4', '7', '8', '10', '13', '15')

Table 22: Europe

Var X	Var Y	min dcor	p-value	condition
1	2	0.0	0.47075	('3', '4', '6', '8', '9', '12', '13', '14', '16')
1	3	0.07836	0.0301	('2', '10', '11', '13', '17', 'T')
1	4	0.0395	0.14799	('2', '3', '5', '6', '9', '10', '11', '17', 'T')
1	5	0.0	0.47405	('2', '8', '9', '12', '16', 'T')
1	6	0.03633	0.16038	('2', '3', '4', '10', '11', '13', '17')
1	7	0.0	0.45355	('4', '5', '11', '16', '17')
1	8	0.10339	0.0108	('3', '10', '11', '13', '17', 'T')
1	9	0.0	0.49055	('2', '3', '7', '10', '15', '16', '17')
1	10	0.02324	0.23528	('2', '3', '9', '14', '17', 'T')
1	11	0.0	0.46605	('4', '7', '12', '13', '14', '15', '16', '17')
1	12	0.0	0.46185	('2', '3', '4', '8', '9', '11', '14', '16', '17', 'T')
1	13	0.0	0.43986	('2', '5', '12', '15', '16', '17')
1	14	0.0	0.46385	('3', '9', '10', '11', '13', 'T')
1	15	0.03406	0.81552	('2', '4', '5', '8', '13', '16')
1	16	0.01265	0.34857	('3', '9', '11', '17')
1	17	0.17144	0.0004	('2', '3', '5', '7', '8', '9', '10', '12', '13', '16', 'T')
1	T	0.0	0.47055	('2', '4', '5', '6', '7', '8', '10', '11', '12', '14', '17')
2	3	0.1089	0.0066	('7', '10', '11', 'T')
2	4	0.03479	0.17918	('1', '5', '7', '9', '10', '11', 'T')
2	5	0.01095	0.35406	('3', '7', '9', '10', '11', 'T')
2	6	0.04393	0.13299	('1', '3', '7', '9', '10', '11', 'T')
2	7	0.23622	0.0001	('3', '9', '10', '11', '13', '14', '17', 'T')
2	8	0.0	0.47435	('3', '9', '10', '11', '13', '14', '17', 'T')
2	9	0.0895	0.0169	('3', '7', '10', '11', '17', 'T')
2	10	0.13598	0.0035	('3', '7', '9', '14', '17', 'T')
2	11	0.0494	0.11029	('3', '4', '5', '6', '7', '8', '9', '10', '12', '13', '14', '16', '17', 'T')
2	12	0.0	0.46225	('3', '7', '9', '10', '11', '15', '17', 'T')
2	13	0.02098	0.68743	('5', '9', '10', '15', '16')
2	14	0.00548	0.40446	('3', '5', '7', '9', '10', '11', '13', '17', 'T')
2	15	0.01049	0.57244	('1', '5', '10', '13', '16', 'T')
2	16	0.0	0.47215	('1', '6', '7', '8', '10', '13', '14', '15')
2	17	0.02811	0.21748	('1', '3', '7', '9', '10', '11', 'T')
2	T	0.1584	0.0014	('3', '7', '9', '10', '11')
3	4	0.0	0.49325	('1', '2', '9', '11', '13', 'T')
3	5	0.04123	0.13939	('2', '10', '11', '16', '17', 'T')
3	6	0.06156	0.06109	('1', '2', '10', '11', '13')
3	7	0.0571	0.07749	('1', '2', '9', '10', '11', '13', '14', '17', 'T')
3	8	0.03162	0.19748	('1', '2', '10', '11', '13', '14', '17', 'T')
3	9	0.0	0.49365	('1', '2', '7', '10', '11', '13', '17', 'T')
3	10	0.01897	0.29367	('1', '2', '7', '9', '11', '14', '17', 'T')
3	11	0.20866	0.0001	('2', '5', '6', '7', '8', '9', '12', '13', '14', '15', '16', '17', 'T')
3	12	0.01183	0.37056	('2', '11', '15', '17', 'T')
3	13	0.03479	0.17118	('6', '7', '8', '11', '14', 'T')
3	14	0.04087	0.14209	('2', '7', '10', '11', '13', '15', '17', 'T')
3	15	0.0	0.45955	('7', '11', '12')
3	16	0.0	0.48305	('1', '5', '7', '9', '10', '11', '13')
3	17	0.12385	0.0019	('1', '2', '7', '9', '10', '11')
3	T	0.08228	0.0226	('1', '2', '7', '9', '10', '11', '13')
4	5	0.03225	0.19608	('1', '2', '3', '9', '10', '11', 'T')
4	6	0.08343	0.0237	('1', '2', '9', '10', '11', '13', 'T')
4	7	0.0114	0.36556	('1', '2', '5', '9', '10', '11', '13', '14', '17', 'T')
4	8	0.0	0.48285	('1', '9', '10', '11', '13', '14', 'T')
4	9	0.10607	0.005	('1', '2', '5', '7', '10', '11', '17', 'T')
4	10	0.06205	0.06219	('1', '2', '5', '7', '9', '11', '14', 'T')
4	11	0.05148	0.10619	('1', '2', '3', '5', '6', '7', '8', '9', '10', '14', '16', '17', 'T')
4	12	0.0	0.48925	('5', '6', '7', '9', '10', '11', '13', '15', '16')
4	13	0.0	0.46985	('5', '9', '12', '15', '16', '17')
4	14	0.04074	0.14269	('1', '2', '3', '5', '6', '7', '8', '9', '10', '11', '17', 'T')
4	15	0.00316	0.50865	('1', '2', '5', '10', '13', '16')
4	16	0.0	0.48635	('1', '2', '5', '9', '10', '11', '13', 'T')
4	17	0.00447	0.44796	('1', '2', '5', '7', '9', '10', '11', 'T')
4	T	0.13491	0.0018	('1', '2', '7', '9', '10', '11')
5	6	0.01612	0.63534	('13', '15')
5	7	0.0	0.45485	('3', '6', '8', '10', '11', '15', '17')
5	8	0.0	0.47235	('1', '3', '4', '9', '10', '11', '12', '17')
5	9	0.0	0.48915	('2', '3', '10', '11', '12', '14', '16', '17', 'T')
5	10	0.0	0.45715	('2', '4', '6', '7', '9', '11', '14', '16', '17', 'T')
5	11	0.08124	0.0315	('2', '3', '4', '8', '9', '10', '16', '17', 'T')
5	12	0.0	0.46865	('1', '2', '3', '4', '6', '8', '9', '11', '13', '14', '15', '16', '17', 'T')
5	13	0.02775	0.74913	('2', '10', '16')
5	14	0.0	0.44046	('2', '3', '4', '7', '10', '11', '17')
5	15	0.02757	0.74973	('1', '2', '10', '16')
5	16	0.0	0.47495	('2', '3', '4', '9', '12', '13', '17', 'T')
5	17	0.04561	0.11699	('1', '2', '3', '9', '10', '11')
5	T	0.0	0.46985	('1', '2', '4', '6', '8', '9', '10', '17')
6	7	0.0	0.45635	('2', '3', '4', '9', '10', '11', '13', '16', '17')
6	8	0.0	0.46295	('1', '2', '3', '10', '11', '13', '14', 'T')
6	9	0.00949	0.38936	('1', '2', '3', '4', '7', '10', '11', '13', '16', '17', 'T')
6	10	0.00447	0.41026	('1', '2', '3', '7', '9', '11', '14')
6	11	0.1555	0.0016	('1', '2', '3', '4', '7', '8', '9', '10', '12', '13', '16')
6	12	0.0	0.46235	('1', '3', '4', '5', '7', '9', '10', '15', '16', '17')
6	13	0.0313	0.18158	('3', '7', '11', '14', 'T')
6	14	0.00632	0.38596	('1', '2', '3', '4', '7', '8', '9', '10', '11', '13')
6	15	0.00316	0.43036	('7', '11', '12')
6	16	0.0	0.45985	('2', '5', '10', '13', '15', 'T')
6	17	0.0	0.47465	('2', '3', '4', '8', '11', '12', '13', '15', '16')
6	T	0.0	0.45315	('1', '2', '3', '4', '9', '11', '14', '15')
7	8	0.0	0.46375	('1', '2', '3', '5', '6', '9', '12', '13', '14', '16', '17', 'T')
7	9	0.1495	0.0014	('2', '10', '13', '17', 'T')
7	10	0.08068	0.0297	('2', '3', '9', '14', '17', 'T')
7	11	0.0	0.45685	('2', '3', '4', '8', '10', '14', '15', '16', '17', 'T')
7	12	0.0	0.44926	('2', '6', '8', '9', '10', '11', '13', '14', '15')
7	13	0.03873	0.13809	('3', '14', 'T')
7	14	0.04494	0.11469	('2', '3', '9', '10', '13', '15', '17', 'T')
7	15	0.01844	0.26977	('3', '9', '10', '11', '12', '14', 'T')
7	16	0.0	0.45925	('13', '14', 'T')
7	17	0.19432	0.0001	('1', '2', '3', '9', '10', '14', 'T')
7	T	0.11023	0.0117	('2', '9', '10', '13')
8	9	0.0	0.47935	('1', '3', '11', '12', '13', '17')
8	10	0.0	0.45285	('1', '6', '7', '11', '12', '14', '15', '17', 'T')
8	11	0.26848	0.0001	('1', '2', '3', '5', '6', '10', '12', '13', '14', '16', '17', 'T')
8	12	0.03578	0.17048	('1', '2', '11', '13', '15', '16', '17', 'T')
8	13	0.0295	0.18418	('3', '7', '11', '14', 'T')
8	14	0.07355	0.0392	('1', '2', '7', '10', '11', '13', '17', 'T')
8	15	0.0	0.45405	('1', '2', '5', '13', 'T')
8	16	0.0	0.46825	('1', '9', '10', '11')
8	17	0.22716	0.0001	('1', '7', '9', '10', '11', '12', '13', '14', 'T')
8	T	0.06943	0.0457	('1', '2', '3', '4', '7', '9', '10', '11', '12', '13', '14', '17')
9	10	0.11023	0.005	('2', '7', '14', '17', 'T')
9	11	0.0	0.47935	('2', '3', '4', '6', '7', '8', '12', '14', '15', '16', '17', 'T')
9	12	0.04626	0.11839	('2', '10', '11', '15', '16', '17', 'T')
9	13	0.0	0.45285	('1', '2', '5', '7', '10', '11', '12', '14', '15', '16')
9	14	0.00775	0.40316	('2', '7', '10', '11', '13', '15', '17', 'T')
9	15	0.0	0.45205	('7', '10', '11', '12', 'T')
9	16	0.0687	0.0454	('11', '12', '17')
9	17	0.34366	0.0001	('1', '2', '7', '10', '11', '12', '16', 'T')
9	T	0.19042	0.0002	('2', '3', '4', '7', '10', '11', '12', '13', '15', '17')
10	11	0.0	0.45345	('2', '5', '6', '7', '8', '12', '13', '17')
10	12	0.0	0.46775	('1', '5', '6', '7', '8', '9', '14', '15', '16', '17', 'T')
10	13	0.01225	0.57414	('1', '2', '5', '9', '15', '16')
10	14	0.08044	0.0336	('2', '3', '4', '7', '9', '15', '17', 'T')
10	15	0.0	0.45005	('1', '5', '13', '17')
10	16	0.0	0.46835	('6', '7', '11', '12', '13', '15')
10	17	0.11675	0.0073	('1', '2', '3', '7', '9', '14', 'T')
10	T	0.06899	0.0495	('2', '3', '4', '7', '9', '11', '14', '17')
11	12	0.0468	0.11859	('2', '3', '5', '6', '8', '9', '15', '16', '17', 'T')
11	13	0.0	0.43736	('3', '7', '8', '9', '10', '15', '16')
11	14	0.0	0.45705	('3', '7', '8', '12', '17')
11	15	0.02366	0.23318	('3', '7', '12', 'T')
11	16	0.10812	0.0072	('3', '5', '8', '9', '12', '17')
11	17	0.05908	0.06979	('2', '3', '5', '7', '8', '9', '10', '12', '16', 'T')
11	T	0.05933	0.07329	('2', '3', '4', '5', '6', '7', '8', '9', '10', '12', '13', '15', '16', '17')
12	13	0.00316	0.47615	('1', '2', '5', '10', '15', '16')
12	14	0.00447	0.51465	('13', '15', '16')
12	15	0.05586	0.08409	('7', '9', '10', '11', 'T')
12	16	0.00316	0.43356	('9', '11', '15', '17')
12	17	0.14775	0.0006	('1', '2', '9', '10', '11', '15', '16', 'T')
12	T	0.01761	0.29227	('2', '3', '9', '10', '11', '13', '15', '17')
13	14	0.02345	0.22308	('3', '6', '7', '8', 'T')
13	15	0.03606	0.86001	('1', '5', '8', '16')
13	16	0.00837	0.53715	('1', '2', '5', '9', '15')
13	17	0.0	0.45295	('2', '5', '7', '9', '14', '15', '16')
13	T	0.04231	0.12809	('3', '6', '7', '8', '9', '14')
14	15	0.0	0.44236	('4', '6', '7', '9', '10', '17')
14	16	0.00949	0.56184	('7', '10', '13', '15')
14	17	0.05762	0.07339	('1', '2', '3', '5', '7', '8', '9', '10', '11', '13', '15', 'T')
14	T	0.00316	0.43256	('2', '3', '4', '7', '8', '9', '10', '11', '13', '15', '17')
15	16	0.02236	0.69753	('1', '2', '5', '13')
15	17	0.0	0.46915	('4', '6', '8', '10', '13', '16', 'T')
15	T	0.0	0.44396	('2', '5', '7', '9', '11', '12', '13')
16	17	0.00316	0.44246	('1', '9', '11')
16	T	0.0	0.46185	('2', '3', '4', '6', '14', '15')
17	T	0.03606	0.16888	('1', '2', '7', '9', '10', '11')

Table 23: Oceania (excl. AUS + NZ)

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.4689	0.0144	('4', '7', '13', '17')
1	3	0.0	0.48385	('4', '6', '8', '10', '11', '12', '13')
1	4	0.1313	0.25907	('2', '7', '16')
1	5	0.0	0.48105	('2', '6', '8', '9', '12', '14', '16', '17')
1	6	0.0	0.45655	('9', '10', '13', '15', '17', 'T')
1	7	0.18526	0.17688	('2', '4', '11', '13', '16')
1	8	0.13398	0.24868	('2', '3', '4', '7', '13', '17', 'T')
1	9	0.10286	0.68973	('2', '4', '6', '13', '16', 'T')
1	10	0.0	0.48315	('2', '6', '8', '11', '13', '16', 'T')
1	11	0.01225	0.47695	('2', '3', '7', '10', '16')
1	12	0.0	0.45065	('4', '7', '9', '10', '14', '15', '16', 'T')
1	13	0.12494	0.25497	('2', '16')
1	14	0.0	0.46385	('11', '17')
1	15	0.0	0.47005	('9', '10', 'T')
1	16	0.0	0.47465	('4', '7', '10', '12', '17')
1	17	0.0	0.51265	('2', '6', '7', '8', '10', '11', '13')
1	T	0.0	0.45535	('2', '4', '7', '10', '12', '13', '16')
2	3	0.0	0.47295	('1', '11', '13', '16', 'T')
2	4	0.10863	0.29727	('1', '16')
2	5	0.0	0.50205	('1', '8', '9', '10', '12', '13', '14', '17')
2	6	0.0	0.47965	('1', '3', '7', '10', '12', '13', '16', '17')
2	7	0.00775	0.47065	('1', '4', '13', 'T')
2	8	0.0	0.49985	('1', '7', '13', 'T')
2	9	0.04669	0.57334	('1',)
2	10	0.0	0.46725	('1', '12', '13', '16', 'T')
2	11	0.0	0.49325	('1', '6', '7', '10', '15', '16', '17', 'T')
2	12	0.02387	0.42876	('1', '3', '4', '6', '11', '13', 'T')
2	13	0.31382	0.05759	('1', '16', 'T')
2	14	0.0	0.46575	('7', '10', '11', '12', '16', '17', 'T')
2	15	0.0	0.44176	('1', '16')
2	16	0.0	0.49105	('4', '6', '8', '11', '12', '13', '14')
2	17	0.10296	0.30457	('1', '6', '7', '8', '13', 'T')
2	T	0.0	0.44696	('1', '6', '7', '8', '9', '11', '12', '13', '14', '15', '17')
3	4	0.0	0.48425	('1', '6', '11', '13', '14', '16', 'T')
3	5	0.0	0.45195	('2', '6', '10', '11', '12', 'T')
3	6	0.0	0.48155	('12', '13', '17')
3	7	0.0	0.48735	('6', '9', '13', '15')
3	8	0.03782	0.42246	('7', '11', '12', '13', 'T')
3	9	0.0	0.48905	('2', '8', '11', '12', '13')
3	10	0.0	0.49645	('1', '2', '9', '11', 'T')
3	11	0.23188	0.11689	('1', '10', '12', 'T')
3	12	0.32611	0.05269	('2', '11', '13')
3	13	0.24882	0.10079	('1', '2', '11', '12', 'T')
3	14	0.0	0.48015	('2', '4', '7', '8', '9', '10', '12', '13', '15')
3	15	0.0	0.46935	('1', '2', '4', '5', '6', '7', '9', '10', '11', '13', '16', '17', 'T')
3	16	0.0	0.48555	('12', 'T')
3	17	0.0	0.49385	('1', '4', '8', '11', '13', '14', '15', '16', 'T')
3	T	0.0	0.47595	('1', '8', '12', '13', '16')
4	5	0.03661	0.42116	('1', '2', '7', '8', '10', '12', '14', '16')
4	6	0.0	0.49945	('1', '5', '7', '11', '14', '16', 'T')
4	7	0.2497	0.10319	('1', '2', '5', '10', '16')
4	8	0.0	0.48565	('1', '2', '5', '13', '16')
4	9	0.0	0.46145	('1', '2', '5', '6', '7', '8', '11', '12', '13', '16', '17', 'T')
4	10	0.14107	0.24068	('2', '7', '9', '11', '12', '16')
4	11	0.0	0.49465	('1', '2', '3', '5', '7', '10', '13', '14', '15', '17', 'T')
4	12	0.0	0.46925	('2', '6', '8', '9', '13', '14', '16')
4	13	0.0	0.45325	('2', '3', '5', '7', '11', '12', '15')
4	14	0.0	0.48255	('2', '3', '5', '7', '9', '10', '11', '15', '16')
4	15	0.0	0.45425	('1', '2', '3', '5', '6', '7', '10', '14', '17')
4	16	0.35083	0.034	('1', '2', '7', '10')
4	17	0.0	0.49645	('5', '8', '9', '13', '14', 'T')
4	T	0.0	0.47115	('7', '10', '12')
5	6	0.0	0.50035	('2', '8', '9', '11', '16')
5	7	0.0	0.48835	('1', '4', '9', '15', '16')
5	8	0.27844	0.07169	('1', '4', '7', '9', '13', '15', 'T')
5	9	0.38757	0.0238	('7', '10', '15')
5	10	0.0	0.45645	('6', '7', '9', '13', '17', 'T')
5	11	0.0	0.49105	('1', '2', '6', '8', '9', '12', '13', '14', '15', 'T')
5	12	0.0	0.46065	('2', '3', '8', '10', '13', '14', '17')
5	13	0.0	0.46345	('1', '6', '8', '9', '11', '17')
5	14	0.11077	0.27057	('9', '11', '12', '15', '16', 'T')
5	15	0.0	0.49485	('1', '3', '7', '8', '9', '10', '11', '13', '14', '17', 'T')
5	16	0.0	0.46165	('3', '4', '7', '8', '11', '12', '13', '14', '15', '17')
5	17	0.0	0.50025	('3', '4', '7', '8', '9', '11', '12', '14', '15', '16')
5	T	0.0	0.47845	('1', '2', '3', '7', '8', '9', '10', '13', '15', '17')
6	7	0.08081	0.63604	('1', '9', '10', '16')
6	8	0.0	0.47395	('1', '5', '7', '9', '11', '12', '16')
6	9	0.16679	0.79842	('5', '7', '10', '11')
6	10	0.15093	0.77612	('9', '11', '16')
6	11	0.17056	0.80542	('1', '3', '7', '9', '10', '15', '16')
6	12	0.37533	0.0353	('7', '10', '15')
6	13	0.0	0.45525	('1', '3', '12')
6	14	0.0	0.46935	('1', '12', '13', '15', 'T')
6	15	0.0	0.46605	('5', '7', '8', '9', '10', '13')
6	16	0.0	0.46465	('1', '2', '3', '4', '7', '8', '9', '10', '11', '12', '13', '14', 'T')
6	17	0.27357	0.07849	('1', '2', '10', '12', '16', 'T')
6	T	0.0	0.45055	('2', '4', '7', '10', '12', '16')
7	8	0.0	0.46455	('1', '2', '4', '5', '9', '10', '16', 'T')
7	9	0.11883	0.27047	('1', '5', '10')
7	10	0.0	0.48575	('1', '4', '9', '12', '13', '14', '15', 'T')
7	11	0.0	0.48915	('3', '4', '5', '6', '8', '9', '15', '17')
7	12	0.0	0.47305	('1', '2', '3', '6', '10', '11', '13', '14', '15', 'T')
7	13	0.0	0.46495	('1', '2', '3', '4', '15', '16', '17')
7	14	0.0	0.47205	('1', '3', '5', '6', '9', '10', '12', '15', '16')
7	15	0.0	0.45895	('2', '6', '8', '9', '10', '11', '12', 'T')
7	16	0.03924	0.40136	('1', '2', '4', '9', '14', '17')
7	17	0.0	0.51435	('2', '8', '9', '10', '13', '16')
7	T	0.0	0.46525	('4', '9', '10', '12')
8	9	0.0	0.49095	('2', '3', '5', '10', '12', '13', '15', '16')
8	10	0.0	0.48925	('1', '2', '5', '6', '9', '11', '12', '13', '15', '16', '17', 'T')
8	11	0.0	0.49975	('1', '4', '5', '9', '15', 'T')
8	12	0.0	0.47675	('1', '3', '5', '7', '9', '10', '11', '17', 'T')
8	13	0.02302	0.44946	('1', '2', '3', '7', '15', '16', 'T')
8	14	0.0	0.48115	('1', '2', '3', '9', '12', '13')
8	15	0.05138	0.39216	('1', '5', '9', '11', '13', '17', 'T')
8	16	0.0	0.47455	('1', '3', '7', '9', '10', '12', '13', '14', '15', '17')
8	17	0.07975	0.34787	('1', '2', '7', '10', '15', 'T')
8	T	0.00707	0.46745	('3', '5', '13', '14', '15', '17')
9	10	0.16664	0.19598	('1', '2', '6', '13', '16', 'T')
9	11	0.0	0.50135	('1', '2', '5', '7', '10', '12', '14', '15', '16')
9	12	0.0	0.47595	('2', '6', '10', '13', '16')
9	13	0.0	0.45725	('1', '2', '5', '6', '10', '12')
9	14	0.0	0.48825	('5', '10', '11', '15', 'T')
9	15	0.19501	0.16228	('5', '10', 'T')
9	16	0.0	0.48385	('2', '3', '4', '6', '7', '10', '12', '13', '15', 'T')
9	17	0.0	0.48875	('3', '4', '5', '11', '12', '13', '15', '16')
9	T	0.0	0.45145	('1', '2', '3', '4', '6', '7', '10', '15')
10	11	0.2003	0.15568	('3', '4', '9', '12', '16')
10	12	0.0	0.46025	('1', '2', '5', '6', '9', '13', '14', '16', 'T')
10	13	0.09716	0.68863	('1', 'T')
10	14	0.11937	0.72263	('5', '6', '11', '15', 'T')
10	15	0.0	0.47725	('5', '6', '8', '9', '13', '14', '16', 'T')
10	16	0.0	0.49225	('2', '4', '11', '12', '17', 'T')
10	17	0.03937	0.41486	('12', '13', '14')
10	T	0.15987	0.78922	('13', '14', '15')
11	12	0.02983	0.44016	('2', '3', '16')
11	13	0.0	0.48645	('1', '6', '8', '9', '10', '12', '14', '16', '17', 'T')
11	14	0.10407	0.28847	('3', '9', '12', '15', '16', 'T')
11	15	0.0	0.50355	('3', '8', '9', '10', '12', 'T')
11	16	0.0	0.49435	('1', '3', '4', '5', '7', '9', '10', '12', '13')
11	17	0.0	0.50055	('1', '2', '5', '6', '10', '12', '13')
11	T	0.0	0.48935	('1', '2', '4', '5', '6', '9', '17')
12	13	0.00316	0.48845	('1', '2', '3')
12	14	0.0	0.47235	('1', '5', '8', '9', '10', '11', '15', 'T')
12	15	0.0743	0.61894	('8', '9', '10', '14', '17')
12	16	0.01581	0.51465	('1', '7', '10', '14', '15', '17')
12	17	0.0249	0.54585	('1', '10', '15', '16')
12	T	0.0	0.45435	('4', '7', '8', '15')
13	14	0.01732	0.51465	('1', '2', '3', '17')
13	15	0.0	0.42646	('1', '2', '3', '7', '9', '11', '14')
13	16	0.03194	0.41546	('1', '2', '3', '4', '7', '17', 'T')
13	17	0.0	0.50425	('2', '3', '6', '7', '8', '10', '11', '15', '16')
13	T	0.20801	0.12859	('2', '3', '8', '15')
14	15	0.0	0.47665	('1', '9', 'T')
14	16	0.0	0.47155	('1', '2', '3', '4', '5', '7', '9', '10', '11', '12', '13', '15')
14	17	0.21531	0.87001	('2', '10')
14	T	0.0945	0.29487	('5', '15')
15	16	0.00632	0.46215	('T',)
15	17	0.0	0.50535	('1', '6', '8', '9', '16', 'T')
15	T	0.24674	0.10679	('8', '13', '14', '17')
16	17	0.11274	0.28337	('1', '2', '4', '5', '6', '7', '10', '11', '13', 'T')
16	T	0.03975	0.55064	('4', '10', '12')
17	T	0.03435	0.43226	('6', '8', '13', '15', '16')

Table 24: Oceania (incl. AUS + NZ)

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.25714	0.05259	('7', '13')
1	3	0.0455	0.36476	('2', '7', '11', '13', 'T')
1	4	0.0	0.48715	('2', '7', '11', '16', 'T')
1	5	0.00447	0.45035	('10', '15')
1	6	0.0	0.45355	('2', '3', '4', '11', '14', '15', '16', '17')
1	7	0.47309	0.0008	('2', '16')
1	8	0.00447	0.46235	('2', '7', '16')
1	9	0.0	0.44756	('2', '3', '4', '5', '6', '7', '10', '12', '14', 'T')
1	10	0.0	0.45615	('2', '3', '6', '7', '8', '9', '11', '12', '13', '14', '16')
1	11	0.0	0.47475	('3', '7', '10', '15', '16')
1	12	0.0	0.46385	('3', '5', '8', '9', '13', '15', '17')
1	13	0.11005	0.22988	('2', '3', '7', '16', 'T')
1	14	0.0	0.44756	('5', '7', '8', '11', '12', '13', '15', '16', '17')
1	15	0.15169	0.85411	('3', '4', '6', '7', '16')
1	16	0.0	0.48005	('2', '3', '4', '7', '10', '11', '17')
1	17	0.04712	0.37436	('2', '7', '13', '16')
1	T	0.0	0.43296	('4', '10', '11', '12', '16')
2	3	0.00949	0.45745	('1', '11', '12', '13', 'T')
2	4	0.10065	0.24848	('1', '5', '7', '12', '13', '16')
2	5	0.0	0.46395	('1', '3', '7', '9', '11', '12', '13', '15', '16', 'T')
2	6	0.0	0.47335	('1', '3', '5', '11', '12', '13', '14', '15', '17', 'T')
2	7	0.10705	0.24368	('1', '4', '9', '11', '12', '13', '16', '17', 'T')
2	8	0.03347	0.41316	('1', '3', '4', '5', '7', '12', '13', '15', '16', '17', 'T')
2	9	0.0	0.47595	('5', '6', '7', '12', '15', '17', 'T')
2	10	0.0	0.46985	('4', '6', '7', '9', '13', '14', '17', 'T')
2	11	0.0	0.48115	('3', '5', '6', '10', '12', '15', 'T')
2	12	0.13498	0.18408	('1', '3', '4', '6', '7', '9', '11', '17', 'T')
2	13	0.21062	0.08789	('1', '3', '4', '15', '16', '17', 'T')
2	14	0.0	0.47195	('1', '3', '5', '6', '8', '11', '12', '16', 'T')
2	15	0.02049	0.41446	('1', '5', '8', '11', '12', '13', '17', 'T')
2	16	0.0	0.47895	('1', '3', '4', '5', '12', '13', '14', '17')
2	17	0.25875	0.0472	('1', '7', '8', '12', '13')
2	T	0.0	0.45445	('3', '4', '5', '6', '7', '9', '11', '13', '14')
3	4	0.0	0.48655	('1', '5', '9', '10', '13', '16')
3	5	0.0	0.47585	('6', '13', '15', '17', 'T')
3	6	0.07931	0.29467	('12', '13', 'T')
3	7	0.0	0.49065	('1', '2', '6', '8', '9', '10', '11', '12', '13', '15')
3	8	0.08526	0.28287	('1', '2', '5', '11', '12', '13', 'T')
3	9	0.0	0.49345	('1', '2', '6', '10', '12', '13', '15', '16')
3	10	0.0	0.48935	('5', '7', '9', '12', '13', '15', '16', '17')
3	11	0.18555	0.11779	('1', '12', 'T')
3	12	0.14926	0.16178	('2', '6', '7', '8', '10', '11', '13', 'T')
3	13	0.16923	0.13059	('1', '2', '6', '8', '11', 'T')
3	14	0.00316	0.47975	('10', '15', '16')
3	15	0.0	0.48375	('1', '6', '7', '10', '16', 'T')
3	16	0.00316	0.48895	('2', '10', '14', '15')
3	17	0.0	0.49545	('4', '5', '6', '7', '8', '12', '13', '14', '15', '16')
3	T	0.04796	0.36266	('6', '8', '11', '13', '14')
4	5	0.13042	0.18798	('2', '8', '10', '13', '16')
4	6	0.0305	0.56494	('5', '7', '10', '11', '13', '16')
4	7	0.01949	0.43336	('1', '2', '5', '10', '12', '16')
4	8	0.00707	0.46235	('1', '2', '5', '10', '16')
4	9	0.06411	0.63434	('15', 'T')
4	10	0.0	0.48555	('2', '5', '7', '9', '12', '13', '16')
4	11	0.0	0.47605	('3', '5', '6', '7', '10', '13', '14', '16', '17')
4	12	0.0	0.46605	('2', '5', '6', '8', '10', '11', '14', '15', 'T')
4	13	0.0	0.46675	('1', '2', '5', '8', '11', '16')
4	14	0.0	0.47485	('2', '5', '8', '9', '10', '11', '12', '15', '16')
4	15	0.00447	0.47275	('1', '16')
4	16	0.24864	0.05439	('1', '2', '5', '7', '10', '14')
4	17	0.0	0.49335	('1', '2', '8', '10', '11', '15', '16')
4	T	0.08142	0.69203	('10', '16')
5	6	0.0	0.47795	('3', '8', '9', '10', '11', '15')
5	7	0.0	0.48055	('4', '6', '8', '9', '11', '15', '16', 'T')
5	8	0.43031	0.0055	('4', '7', '9', '13', '15', '16', 'T')
5	9	0.04266	0.37636	('7', '8', '10', '14', '15', '16')
5	10	0.01378	0.49285	('13', '15', '16', 'T')
5	11	0.0	0.48055	('6', '7', '8', '17')
5	12	0.02864	0.51845	('1', '6', '10', '11')
5	13	0.0	0.48155	('2', '3', '4', '8', '9', '14', '15', '16')
5	14	0.10583	0.23298	('4', '9', '13', '15', '16', 'T')
5	15	0.0	0.48815	('8', '9', '11', '13', '14', '16', 'T')
5	16	0.0	0.47965	('2', '4', '8', '11', '14', '15')
5	17	0.0	0.47945	('1', '4', '6', '9', '10', '13', '15', '16', 'T')
5	T	0.0	0.46745	('1', '2', '6', '7', '8', '9', '11', '13', '14', '16', '17')
6	7	0.02145	0.53505	('1', '2', '9', '10', '11', '16')
6	8	0.0	0.48625	('2', '4', '5', '7', '9', '10', '13', '17')
6	9	0.1827	0.89821	('7', '10', '11', '15')
6	10	0.01581	0.52495	('7', '9', '11')
6	11	0.09829	0.72863	('1', '10', '15', '16')
6	12	0.20659	0.09579	('2', '3', 'T')
6	13	0.0	0.46325	('2', '3', '12', '16', '17')
6	14	0.0	0.46385	('1', '3', '4', '8', '11', '12', '15', '17', 'T')
6	15	0.03347	0.56674	('5', '9', '10', '11', '13')
6	16	0.0	0.45845	('4', '5', '8', '11', '12', '13', '17', 'T')
6	17	0.0493	0.36476	('1', '2', '12', 'T')
6	T	0.09783	0.24288	('3', '12', '13', '14', '15', '17')
7	8	0.0969	0.25087	('1', '2', '3', '4', '5', '9', '10', '12', '16', '17', 'T')
7	9	0.26025	0.0486	('10',)
7	10	0.10247	0.24848	('1', '2', '9', '12', '16')
7	11	0.0	0.49055	('4', '5', '6', '9', '10', '12', '13', '14', '15', '16', 'T')
7	12	0.07517	0.28927	('1', '2', '3', '6', '8', '9', '10', '11', '16')
7	13	0.0	0.46095	('2', '5', '10', '14', '15', '16', '17')
7	14	0.0	0.48645	('1', '3', '8', '9', '10', '11', '12', '13', 'T')
7	15	0.00707	0.49605	('1', '12', '16')
7	16	0.0	0.48415	('1', '2', '3', '4', '9', '11', '14', '17')
7	17	0.08491	0.28447	('1', '2', '8', '10', '12', '16')
7	T	0.0	0.47275	('2', '3', '4', '5', '11', '12', '13', '16')
8	9	0.0	0.48825	('5', '7', '10', '11', '13', '15', '16', '17')
8	10	0.0	0.48695	('2', '3', '4', '5', '9', '13', '14', '15', '16', '17', 'T')
8	11	0.0	0.48545	('1', '2', '3', '5', '6', '12', '13', '14', '15')
8	12	0.0	0.49905	('1', '3', '4', '5', '6', '7', '9', '10', '15', '16')
8	13	0.09869	0.25867	('1', '2', '3', '5', '15', '16', 'T')
8	14	0.0	0.49215	('3', '4', '5', '9', '12', '15', '17', 'T')
8	15	0.00837	0.45995	('2', '5', '10', '11', '13', 'T')
8	16	0.0	0.49205	('1', '2', '4', '6', '7', '9', '14', '15', '17', 'T')
8	17	0.21863	0.07539	('1', '2', '7', '15', '16', 'T')
8	T	0.09192	0.27387	('3', '5', '13', '14', '15', '17')
9	10	0.37054	0.0099	('7', '16')
9	11	0.0	0.47495	('2', '6', '13', '16', '17', 'T')
9	12	0.0	0.46515	('1', '2', '3', '6', '8', '10', '11', '14', '17')
9	13	0.00548	0.49135	('1', '2', '3', '4', '6', '15', 'T')
9	14	0.05865	0.32747	('7', '10', '15', '16')
9	15	0.09644	0.25257	('5', '7', '10', '11', '13', '14', 'T')
9	16	0.0	0.47225	('2', '5', '7', '13', '14', '17', 'T')
9	17	0.0	0.48905	('2', '6', '7', '10', '11', '12', '13', '14', '16')
9	T	0.0	0.45215	('1', '2', '4', '5', '6', '7', '8', '10', '11', '12', '15', '16')
10	11	0.03701	0.39606	('1', '3', '9', '12', '15', '16')
10	12	0.11238	0.22598	('2', '7', '11')
10	13	0.23184	0.9562	('1', '2', '5', '6', '15', 'T')
10	14	0.0	0.47505	('1', '2', '4', '6', '7', '9', '12', '15', '16', 'T')
10	15	0.0	0.46535	('1', '5', '11', '13', 'T')
10	16	0.0	0.47525	('2', '4', '7', '9', '11', '12', '14')
10	17	0.0	0.49335	('1', '7', '8', '9', '11', '15', 'T')
10	T	0.02775	0.53995	('5', '6', '13', '15')
11	12	0.1324	0.19318	('2', '3', '7', '10', '15', '16')
11	13	0.05621	0.63044	('10',)
11	14	0.0	0.49015	('1', '2', '3', '5', '7', '12', '15', '16')
11	15	0.18625	0.11879	('2', '3', '5', '9', '10', '12', 'T')
11	16	0.0	0.49005	('2', '3', '6', '8', '9', '10', '13', '14', '15', '17', 'T')
11	17	0.14608	0.83032	('2', '6', '7', '13')
11	T	0.0	0.48485	('1', '3', '8', '10', '12', '13', '14', '16')
12	13	0.0	0.47155	('1', '2', '3', '4', '6', '7', '11', '14', '15', '17', 'T')
12	14	0.0	0.47315	('6', '7', '8', '10', '11', 'T')
12	15	0.0	0.45735	('2', '6', '10', '14', 'T')
12	16	0.0	0.46195	('5', '6', '8', '10', '11', '15', '17')
12	17	0.0	0.48585	('2', '3', '6', '8', '9', '10', '11', '16', 'T')
12	T	0.0	0.45485	('1', '3', '4', '5', '6', '7', '8', '15')
13	14	0.0	0.46585	('9', '10', '11', '12', '16')
13	15	0.0	0.46855	('2', '8', '11', 'T')
13	16	0.0	0.47065	('1', '4', '5', '6', '7', '10', '14', '17')
13	17	0.02387	0.42926	('1', '2', '8', 'T')
13	T	0.10941	0.21988	('1', '3', '8', '15')
14	15	0.01871	0.41996	('5', '9', '11', '13', '16', 'T')
14	16	0.28357	0.0463	('1', '2', '4', '5', '9', '10', '11', '12', '15', 'T')
14	17	0.1179	0.77142	('10', '11', '16')
14	T	0.05	0.33207	('13', '15', '16')
15	16	0.01049	0.49025	('1', '4', '6', '7', '10')
15	17	0.0	0.48585	('1', '2', '5', '6', '8', '10', '11', '12', '13', 'T')
15	T	0.13107	0.18048	('8', '11', '13', '14', '17')
16	17	0.09518	0.26687	('1', '2', '4', '6', '7', '8', '10', '14')
16	T	0.0255	0.53245	('1', '2', '4', '10', '12')
17	T	0.0	0.48635	('3', '6', '7', '8', '10', '14', '16')

Table 25: World

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.04219	0.0003	('3', '4', '6', '7', '8', '9', '11', '12', '13', '14', '15', '16', '17', 'T')
1	3	0.03376	0.0007	('2', '4', '7', '8', '9', '11', '12', '13', '14', '15', '16', '17', 'T')
1	4	0.06237	0.0001	('2', '3', '5', '7', '8', '9', '11', '12', '13', '14', '16', '17', 'T')
1	5	0.01703	0.0304	('2', '4', '7', '8', '11', '13', '14', '16', '17', 'T')
1	6	0.01	0.10999	('2', '4', '7', '8', '9', '11', '13', '14', '16', '17', 'T')
1	7	0.03899	0.0004	('2', '3', '4', '6', '8', '9', '11', '12', '13', '14', '15', '16', '17', 'T')
1	8	0.13214	0.0001	('2', '4', '5', '7', '9', '11', '12', '13', '14', '16', '17', 'T')
1	9	0.04561	0.0002	('2', '3', '4', '6', '7', '8', '11', '12', '13', '14', '15', '16', '17', 'T')
1	10	0.0	0.45205	('2', '3', '8', '12', '14', '15', '17', 'T')
1	11	0.06686	0.0001	('2', '3', '4', '7', '8', '9', '10', '12', '13', '14', '16', '17', 'T')
1	12	0.02588	0.0049	('2', '3', '5', '7', '8', '9', '11', '14', '16', '17', 'T')
1	13	0.03987	0.0008	('2', '7', '8', '9', '11', '12', '14', '15', '17', 'T')
1	14	0.02757	0.0047	('2', '3', '4', '5', '7', '8', '9', '11', '12', '13', '15', '16', '17', 'T')
1	15	0.0	0.42876	('5', '6', '7', '8', '9', '10', '11', '12', '14', '16')
1	16	0.04025	0.0004	('2', '3', '4', '5', '6', '7', '8', '9', '11', '12', '13', '14', '15', '17', 'T')
1	17	0.11463	0.0001	('2', '3', '4', '7', '8', '9', '10', '11', '12', '13', '14', '16', 'T')
1	T	0.0469	0.0001	('2', '3', '4', '7', '8', '9', '11', '12', '13', '14', '15', '16', '17')
2	3	0.03209	0.0008	('1', '4', '7', '9', '11', '12', '14', '15', '16', '17', 'T')
2	4	0.07197	0.0001	('1', '3', '5', '6', '7', '8', '9', '11', '12', '13', '14', '15', '16', '17', 'T')
2	5	0.00316	0.32687	('1', '3', '4', '7', '8', '9', '13', '14', '15', '16', '17', 'T')
2	6	0.10536	0.0001	('7',)
2	7	0.21464	0.0001	('1', '3', '6', '9', '14', '15', '16', '17', 'T')
2	8	0.06237	0.0001	('1', '4', '5', '6', '7', '9', '11', '12', '13', '14', '16', '17', 'T')
2	9	0.08944	0.0001	('7', 'T')
2	10	0.02145	0.012	('7', '9', '17', 'T')
2	11	0.01643	0.0314	('1', '3', '4', '6', '7', '9', '10', '12', '14', '16', '17', 'T')
2	12	0.01643	0.0305	('1', '3', '7', '9', '11', '15', '16', '17', 'T')
2	13	0.0	0.46595	('3', '5', '6', '7', '9', '14', '15', '16', '17')
2	14	0.04701	0.0003	('1', '4', '5', '7', '9', '11', '15', '16', '17', 'T')
2	15	0.06964	0.0001	('3', '7', '9', '14', '16', 'T')
2	16	0.02683	0.0036	('1', '3', '4', '5', '6', '7', '9', '11', '12', '14', '15', '17', 'T')
2	17	0.12798	0.0001	('1', '3', '4', '6', '7', '8', '9', '10', '11', '12', '13', '14', '15', '16', 'T')
2	T	0.05263	0.0001	('1', '3', '6', '7', '9', '11', '12', '13', '14', '15', '16', '17')
3	4	0.07635	0.0001	('1', '2', '5', '7', '9', '11', '12', '14', '15', '16', '17', 'T')
3	5	0.00316	0.36216	('1', '2', '4', '7', '8', '11', '12', '14', '15', '16', 'T')
3	6	0.0	0.47135	('1', '2', '4', '5', '7', '9', '10', '11', '13', '15', '17')
3	7	0.01643	0.0312	('1', '2', '4', '9', '11', '12', '14', '15', '16', '17', 'T')
3	8	0.01	0.11879	('1', '2', '4', '5', '7', '11', '12', '14', '15', '16', '17', 'T')
3	9	0.01225	0.06939	('1', '2', '4', '7', '11', '12', '14', '15', '16', '17', 'T')
3	10	0.0	0.45055	('2', '7', '11', '15', '16', '17', 'T')
3	11	0.08608	0.0001	('T',)
3	12	0.03435	0.0005	('1', '2', '4', '7', '9', '10', '11', '15', '16', '17', 'T')
3	13	0.0	0.46965	('1', '2', '6', '8', '12', '14', 'T')
3	14	0.01265	0.07319	('1', '2', '4', '5', '7', '9', '11', '12', '15', '16', '17', 'T')
3	15	0.05109	0.0001	('1', '2', '7', '9', '10', '11', '12', '14', '16', 'T')
3	16	0.01949	0.0151	('1', '2', '4', '7', '9', '11', '12', '14', '15', '17', 'T')
3	17	0.05	0.0001	('1', '2', '4', '7', '8', '9', '10', '11', '12', '14', '15', '16', 'T')
3	T	0.13398	0.0001	('1', '2', '4', '7', '9', '11', '12', '13', '15', '16', '17')
4	5	0.04858	0.0001	('1', '2', '3', '7', '8', '11', '14', '16', 'T')
4	6	0.03975	0.0002	('1', '2', '3', '5', '7', '9', '11', '16', '17', 'T')
4	7	0.06473	0.0001	('1', '2', '3', '5', '6', '8', '9', '11', '13', '14', '15', '16', '17', 'T')
4	8	0.09192	0.0001	('1', '2', '3', '5', '7', '9', '11', '13', '14', '16', '17', 'T')
4	9	0.05967	0.0001	('1', '2', '3', '5', '6', '7', '8', '11', '12', '13', '14', '15', '16', '17', 'T')
4	10	0.0	0.47535	('1', '2', '3', '5', '8', '11', '14', '16', '17')
4	11	0.05648	0.0001	('1', '2', '3', '5', '7', '9', '12', '14', '16', '17', 'T')
4	12	0.01378	0.0486	('1', '2', '3', '5', '7', '9', '11', '16', '17', 'T')
4	13	0.00316	0.34167	('1', '2', '3', '5', '6', '7', '8', '9', '11', '12', '14', '15', '17', 'T')
4	14	0.0355	0.0008	('1', '2', '3', '5', '7', '9', '11', '15', '16', '17', 'T')
4	15	0.00316	0.28837	('1', '2', '3', '5', '7', '9', '14', '16', 'T')
4	16	0.02915	0.0017	('1', '2', '3', '5', '6', '7', '9', '11', '12', '14', '17', 'T')
4	17	0.07423	0.0001	('1', '2', '3', '5', '7', '8', '9', '10', '11', '12', '13', '14', '16', 'T')
4	T	0.0272	0.0021	('1', '2', '3', '5', '7', '9', '11', '12', '13', '14', '15', '16', '17')
5	6	0.0	0.45885	('1', '3', '10', '11', '13', '17', 'T')
5	7	0.0	0.46245	('2', '3', '8', '15', '16', '17', 'T')
5	8	0.11397	0.0001	('1', '2', '4', '7', '11', '13', '14', '16', '17', 'T')
5	9	0.0	0.46685	('1', '6', '8', '10', '13', '14', '15')
5	10	0.0	0.44936	('2', '3', '7', '12', '14', '15', '16')
5	11	0.0	0.42446	('1', '2', '3', '4', '7', '8', '12', '13', '14', '16', 'T')
5	12	0.00548	0.22698	('1', '2', '3', '4', '8', '9', '11', '14', '16', '17', 'T')
5	13	0.0	0.44396	('1', '4', '6', '9', '12', '14', '16', 'T')
5	14	0.01844	0.0242	('1', '2', '4', '7', '8', '9', '11', '13', '15', '16', 'T')
5	15	0.0	0.42516	('9', '11', '14', '17')
5	16	0.00447	0.27127	('1', '2', '3', '4', '7', '8', '9', '11', '12', '14', 'T')
5	17	0.0	0.41586	('1', '2', '4', '7', '8', '9', '10', '11', '12', '13', '14', '16', 'T')
5	T	0.0	0.46505	('1', '4', '7', '8', '14', '15')
6	7	0.14053	0.0001	('1', '2', '9', '10', '16', '17', 'T')
6	8	0.0255	0.0048	('1', '2', '5', '7', '9', '11', '16', '17', 'T')
6	9	0.06261	0.0001	('2', '7')
6	10	0.02236	0.0148	('2', '7', '9', '16', '17')
6	11	0.01612	0.037	('1', '2', '3', '4', '7', '9', '10', '12', '14', '16', '17', 'T')
6	12	0.0	0.45785	('1', '3', '7', '9', '13', '14', '15', '17')
6	13	0.00707	0.16138	('2', '7', 'T')
6	14	0.00316	0.28887	('1', '2', '7', '9', '11', '16', 'T')
6	15	0.0	0.33117	('2', '7', 'T')
6	16	0.04231	0.0005	('2', '7', '9', '11', 'T')
6	17	0.0497	0.0001	('1', '2', '7', '10', 'T')
6	T	0.02588	0.0075	('2', '3', '7', '9', '11', '13', '15', '16', '17')
7	8	0.08944	0.0001	('1', '2', '5', '9', '14', '16', '17', 'T')
7	9	0.29833	0.0001	('1', '2', '4', '6', '10', '11', '12', '13', '14', '15', '16', '17', 'T')
7	10	0.10872	0.0001	('2', '9', '17', 'T')
7	11	0.01549	0.0378	('2', '3', '9', '10', '12', '14', '16', '17', 'T')
7	12	0.00837	0.14879	('1', '2', '9', '11', '15', '16', '17', 'T')
7	13	0.0679	0.0001	('2', '6', '9', '12', '14', '15', '17', 'T')
7	14	0.07752	0.0001	('1', '2', '5', '9', '11', '15', '16', '17', 'T')
7	15	0.09338	0.0001	('2', '9', '10', '13', '14', '16', 'T')
7	16	0.06411	0.0001	('1', '2', '3', '4', '6', '9', '11', '12', '14', '15', '17', 'T')
7	17	0.24597	0.0001	('1', '2', '3', '4', '6', '8', '9', '10', '11', '12', '13', '14', '15', '16', 'T')
7	T	0.08724	0.0001	('2', '3', '9', '11', '13', '14', '15', '16', '17')
8	9	0.04427	0.0001	('1', '2', '5', '7', '14', '16', '17', 'T')
8	10	0.0	0.44586	('1', '2', '5', '7', '13', '17')
8	11	0.02324	0.0073	('1', '2', '3', '4', '5', '7', '9', '10', '12', '14', '16', '17', 'T')
8	12	0.02739	0.0025	('1', '2', '5', '7', '9', '11', '16', '17', 'T')
8	13	0.00949	0.12159	('1', '2', '5', '7', '9', '12', '15', '17', 'T')
8	14	0.03362	0.0006	('1', '2', '4', '5', '7', '9', '11', '13', '15', '16', '17', 'T')
8	15	0.0	0.44766	('2', '3', '7', '10', '12', '13', '14', '16')
8	16	0.01049	0.10379	('1', '2', '4', '5', '7', '9', '11', '12', '14', '17', 'T')
8	17	0.25446	0.0001	('1', '2', '5', '7', '10', 'T')
8	T	0.02214	0.0099	('1', '2', '3', '5', '7', '9', '11', '12', '13', '15', '16', '17')
9	10	0.02168	0.0131	('2', '7', '17', 'T')
9	11	0.02702	0.0027	('1', '2', '3', '4', '7', '10', '12', '14', '16', '17', 'T')
9	12	0.03742	0.0007	('1', '2', '3', '7', '11', '14', '15', '16', '17', 'T')
9	13	0.00837	0.14519	('7', 'T')
9	14	0.07642	0.0001	('1', '2', '7', 'T')
9	15	0.05177	0.0002	('2', '7', 'T')
9	16	0.03606	0.0003	('2', '7', 'T')
9	17	0.12288	0.0001	('1', '2', '7', '10', 'T')
9	T	0.03808	0.0004	('2', '3', '7', '11', '12', '13', '14', '15', '16', '17')
10	11	0.00775	0.16668	('2', '3', '7', '9', '12', '14', '16', '17', 'T')
10	12	0.0	0.46195	('2', '7', '11', '13', '14', '17', 'T')
10	13	0.00548	0.19218	('7', '15', '17', 'T')
10	14	0.0	0.41796	('1', '2', '7', '9', '11', '13', '15', '17', 'T')
10	15	0.01342	0.05879	('2', '3', '7', '9', '14', '16', '17', 'T')
10	16	0.0	0.46005	('1', '3', '5', '7', '9', '11', '13', '14', '15', '17')
10	17	0.14353	0.0001	('2', '7')
10	T	0.0	0.46185	('1', '2', '3', '4', '6', '9', '11', '12', '15', '16', '17')
11	12	0.07183	0.0001	('2', '3', '5', '7', '9', '10', '14', '16', '17', 'T')
11	13	0.0	0.37606	('1', '7', '12', '16', 'T')
11	14	0.03362	0.0016	('1', '2', '3', '4', '5', '7', '9', '12', '15', '16', '17', 'T')
11	15	0.0	0.44006	('2', '3', '4', '7', '9', '10', '12', '16', '17', 'T')
11	16	0.0437	0.0001	('2', '3', '4', '5', '6', '7', '9', '12', '14', '17', 'T')
11	17	0.04899	0.0001	('1', '2', '3', '4', '7', '8', '9', '10', '12', '13', '14', '16', 'T')
11	T	0.14346	0.0001	('2', '3', '4', '7', '9', '10', '12', '14', '15', '16', '17')
12	13	0.01897	0.0235	('7', '9', '11', '15', '17', 'T')
12	14	0.00548	0.22668	('1', '2', '3', '5', '7', '9', '11', '15', '16', '17', 'T')
12	15	0.01304	0.06869	('2', '3', '7', '9', '11', '14', '16', '17', 'T')
12	16	0.03114	0.0017	('2', '3', '5', '7', '9', '11', '15', '17', 'T')
12	17	0.08944	0.0001	('1', '2', '3', '7', '8', '9', '10', '11', '14', '15', '16', 'T')
12	T	0.05441	0.0001	('2', '3', '7', '9', '11', '15', '16', '17')
13	14	0.0	0.42816	('1', '3', '7', '9', '10', '11', '12', '15', '17', 'T')
13	15	0.03082	0.0087	('7', 'T')
13	16	0.00316	0.31117	('7', 'T')
13	17	0.01871	0.0226	('1', '2', '7', '10', '12', 'T')
13	T	0.00447	0.25847	('1', '2', '7', '11', '12', '15')
14	15	0.06512	0.0001	('1', '2', '3', '7', '9', '16', 'T')
14	16	0.01643	0.032	('1', '2', '5', '7', '9', '11', '12', '15', 'T')
14	17	0.0455	0.0001	('1', '2', '3', '4', '7', '8', '9', '10', '11', '12', '13', '15', '16', 'T')
14	T	0.01483	0.05129	('1', '2', '3', '5', '7', '9', '11', '12', '13', '15', '16', '17')
15	16	0.01449	0.05119	('2', '3', '7', '9', '11', '12', '14', 'T')
15	17	0.01183	0.07909	('1', '2', '3', '7', '9', '10', '12', '14', '16', 'T')
15	T	0.08955	0.0001	('2', '3', '7', '9', '11', '12', '13', '14', '16')
16	17	0.02569	0.0046	('1', '2', '3', '4', '6', '7', '8', '9', '10', '11', '12', '14', '15', 'T')
16	T	0.03768	0.0006	('1', '2', '3', '7', '9', '11', '12', '15')
17	T	0.07362	0.0001	('1', '2', '3', '7', '8', '9', '10', '11', '12', '13', '14', '15', '16')

Table 26: Global North

Var X	Var Y	min dcor	p-value	condition
1	2	0.0249	0.17948	('3', '7', '9', '10', '13', '17', 'T')
1	3	0.04682	0.06549	('2', '5', '10', '11', '13', '16', '17', 'T')
1	4	0.0593	0.0288	('2', '3', '5', '6', '9', '10', '11', '13', '16', '17', 'T')
1	5	0.0	0.46785	('3', '14', '15', '17', 'T')
1	6	0.05691	0.0445	('2', '3', '4', '7', '8', '9', '11', '13', '14', '15', '16', '17', 'T')
1	7	0.0	0.45195	('2', '6', '11', '12', '13', '14', '17')
1	8	0.09599	0.0069	('2', '3', '9', '13', '17', 'T')
1	9	0.04105	0.08529	('2', '7', '10', '16', '17', 'T')
1	10	0.02324	0.18378	('2', '3', '4', '7', '9', '14', '17')
1	11	0.0	0.45655	('4', '5', '6', '10', '13', '16', '17', 'T')
1	12	2e-05	0.48065	('2', '3', '9', '15', '16', '17')
1	13	0.0	0.42926	('5', '14', '16')
1	14	0.0	0.45395	('5', '7', '9', '11', '13', '16', '17', 'T')
1	15	0.00352	0.39356	('3', '6', '7', '11', '12', '14', '17', 'T')
1	16	0.00162	0.44096	('2', '3', '4', '6', '8', '9', '10', '11', '12', '13', '17')
1	17	0.19511	0.0001	('2', '3', '4', '5', '7', '8', '9', '10', '11', '12', '13', '14', '15', '16')
1	T	0.0	0.45095	('3', '4', '6', '8', '9', '12', '13', '15', '16', '17')
2	3	0.04227	0.07849	('7', '10', '11', '13', '14', '16', '17', 'T')
2	4	0.0268	0.17768	('1', '7', '9', '10', '11', '13', '16', 'T')
2	5	0.0	0.47405	('1', '3', '4', '7', '11', '12', '13', '15', '16', '17', 'T')
2	6	0.05114	0.05349	('1', '7', '9', '10', '11', '13', 'T')
2	7	0.21683	0.0001	('9', '10', '11', '13', '14', '17', 'T')
2	8	0.0	0.46765	('3', '5', '7', '9', '11', '13', '14', '16', '17')
2	9	0.0815	0.0073	('1', '7', '10', '11', '13', '17', 'T')
2	10	0.1131	0.0023	('1', '3', '4', '7', '9', '11', '12', '13', '14', '17', 'T')
2	11	0.0459	0.07379	('3', '5', '7', '9', '10', '12', '13', '14', '16', '17', 'T')
2	12	0.02704	0.17138	('7', '9', '10', '11', '16', '17', 'T')
2	13	0.02181	0.20208	('7', 'T')
2	14	0.0064	0.38126	('1', '7', '9', '10', '11', '13', '15', 'T')
2	15	0.0	0.43816	('3', '6', '8', '11', '12', '14')
2	16	0.0	0.46145	('1', '4', '5', '8', '13', '15', '17', 'T')
2	17	0.07	0.0151	('1', '7', '9', '10', '11', '12', '13', 'T')
2	T	0.17414	0.0003	('3', '7', '9', '10', '11', '13')
3	4	0.02609	0.18858	('1', '2', '5', '9', '10', '11', '13', '16', 'T')
3	5	0.07032	0.0171	('2', '10', '11', '14', '16', '17', 'T')
3	6	0.01817	0.25687	('1', '2', '7', '10', '11', '13', '16', 'T')
3	7	0.01744	0.25897	('2', '5', '9', '10', '11', '13', '14', '16', '17', 'T')
3	8	0.04494	0.07149	('1', '2', '10', '11', '13', '16', '17', 'T')
3	9	0.0	0.48505	('5', '10', '15', '16', '17', 'T')
3	10	0.03821	0.10549	('1', '2', '5', '7', '11', '14', '16', '17', 'T')
3	11	0.16916	0.0001	('2', '5', '7', '10', '12', '13', '14', '16', '17', 'T')
3	12	0.01673	0.26877	('2', '10', '11', '15', '16', '17', 'T')
3	13	0.0337	0.13049	('2', '6', '7', '8', '11', '12', '14', '16', 'T')
3	14	0.0356	0.11199	('2', '5', '7', '10', '11', '13', '15', '17', 'T')
3	15	0.03019	0.14599	('6', '7', '11', '12', '14', '17', 'T')
3	16	0.07739	0.009	('1', '7', '10', '11', '12', '13', 'T')
3	17	0.11771	0.0003	('1', '2', '5', '7', '9', '10', '11', '12', '13', '14', '16', 'T')
3	T	0.11543	0.0009	('2', '5', '7', '9', '10', '11', '12', '13', '14', '16', '17')
4	5	7e-05	0.48835	('1', '2', '3', '9', '10', '11', 'T')
4	6	0.05239	0.0497	('1', '2', '7', '9', '10', '11', '13', '16', 'T')
4	7	0.01216	0.33017	('1', '2', '9', '10', '11', '13', '14', '16', '17', 'T')
4	8	0.0	0.49425	('1', '2', '3', '5', '7', '9', '11', '14', '16', '17', 'T')
4	9	0.06449	0.0197	('1', '2', '5', '7', '10', '11', '13', '16', '17', 'T')
4	10	0.06704	0.0188	('1', '2', '7', '9', '11', '16', 'T')
4	11	0.04275	0.07789	('1', '2', '3', '5', '6', '9', '10', '12', '13', '14', '16', '17', 'T')
4	12	0.0	0.48875	('2', '5', '6', '7', '10', '11', '13', '16', '17')
4	13	0.00613	0.54535	('10',)
4	14	0.00663	0.39226	('1', '2', '5', '7', '9', '10', '11', '13', '15', 'T')
4	15	0.0	0.46785	('1', '2', '3', '5', '6', '8', '10', '12', '14', '16', '17', 'T')
4	16	0.03724	0.11009	('1', '3', '9', '10', '11', '13', 'T')
4	17	0.01277	0.33287	('1', '2', '7', '9', '10', '11', '16', 'T')
4	T	0.06604	0.0187	('1', '2', '3', '7', '9', '10', '11', '13', '16')
5	6	1e-05	0.46265	('1', '14', '16')
5	7	0.0	0.46375	('1', '2', '3', '9', '11', '12', '13', '15', '16', 'T')
5	8	0.0	0.47095	('1', '3', '7', '11', '12', 'T')
5	9	4e-05	0.47875	('2', '3', '7', '10', '11', '16', '17', 'T')
5	10	0.00045	0.45085	('2', '3', '7', '9', '11', '14', '17', 'T')
5	11	0.07459	0.0137	('2', '3', '10', '14', '16', '17', 'T')
5	12	0.0	0.47435	('3', '9', '14', '15', '17', 'T')
5	13	0.00846	0.56674	('10',)
5	14	0.00372	0.40936	('3', '7', '10', '11', '15', '17')
5	15	0.0	0.44006	('1', '2', '4', '9', '11', '13', '16')
5	16	0.0	0.47215	('2', '3', '9', '10', '11', '14', '15')
5	17	0.04408	0.07589	('1', '2', '3', '7', '9', '10', '11')
5	T	0.00723	0.36916	('2', '3', '9', '10', '11')
6	7	0.03802	0.10039	('1', '2', '9', '10', '11', '13', 'T')
6	8	0.01923	0.23778	('1', '2', '7', '9', '10', '11', '13', '16', 'T')
6	9	0.03072	0.15338	('1', '2', '7', '10', '11', 'T')
6	10	0.00483	0.38176	('1', '2', '7', '9', '11')
6	11	0.06647	0.0263	('1', '2', '3', '7', '9', '12', '13', '14', '16', 'T')
6	12	0.00102	0.45765	('1', '2', '7', '9', '10', '11', '16', 'T')
6	13	0.02999	0.14149	('2', '7', 'T')
6	14	1e-05	0.45825	('1', '2', '3', '7', '9', '11', '15')
6	15	0.03199	0.13189	('1', '2', '3', '7', '11', '14')
6	16	0.01757	0.25407	('1', '2', '3', '4', '7', '9', '10', '11', '12', '13')
6	17	0.0	0.48075	('1', '2', '5', '7', '8', '9', '10', '11', '15', 'T')
6	T	0.0292	0.15378	('1', '2', '3', '7', '9', '10', '11', '13', '16')
7	8	0.0	0.46465	('2', '9', '10', '11', '13', '15', '16', '17', 'T')
7	9	0.1595	0.0001	('2', '10', '17', 'T')
7	10	0.1442	0.001	('2', '3', '9', '14', '17', 'T')
7	11	0.0	0.46115	('1', '2', '3', '5', '10', '12', '14', '17')
7	12	0.0	0.46805	('1', '2', '8', '11', '14', '15', '16', '17', 'T')
7	13	0.02557	0.15398	('2', 'T')
7	14	0.05543	0.043	('2', '9', '10', '11', '13', '15', '17', 'T')
7	15	0.00433	0.37456	('2', '3', '6', '9', '11', '14', '17', 'T')
7	16	0.0	0.45485	('6', '8', '9', '12', '13', '15', 'T')
7	17	0.21442	0.0001	('1', '2', '9', '10', 'T')
7	T	0.07399	0.0194	('2', '3', '9', '10', '11', '13', '17')
8	9	0.01781	0.26557	('1', '2', '7', '10', '11', '13', '17', 'T')
8	10	0.0	0.46385	('1', '3', '9', '12', '15', '17', 'T')
8	11	0.06542	0.0266	('2', '3', '5', '10', '12', '13', '14', '16', '17', 'T')
8	12	0.05163	0.05069	('1', '2', '10', '11', '16', '17', 'T')
8	13	0.02246	0.18138	('1', '2', '3', '6', '7', '9', '11', '12', '16', 'T')
8	14	0.0	0.46105	('3', '5', '6', '7', '9', '10', '12', '13', '15', '17', 'T')
8	15	0.0	0.43456	('2', '4', '5', '7', '10', '13')
8	16	0.01348	0.29137	('1', '3', '9', '10', '11', '12', '13', 'T')
8	17	0.26751	0.0001	('1', '2', '3', '7', '9', '10', '11', '12', 'T')
8	T	0.0465	0.06909	('1', '2', '3', '7', '9', '10', '11', '12', '13', '17')
9	10	0.07941	0.0103	('1', '2', '7', '17', 'T')
9	11	0.00768	0.38196	('2', '3', '5', '7', '10', '12', '14', '16', '17', 'T')
9	12	0.02867	0.16268	('2', '7', '10', '11', '16', '17', 'T')
9	13	0.00025	0.45585	('2', '3', '6', '7', '8', '12', '14', '16', '17', 'T')
9	14	0.01806	0.25797	('1', '2', '7', '10', '11', '13', '15', '17', 'T')
9	15	0.0	0.45945	('1', '2', '3', '4', '5', '6', '8', '11', '12', '13', 'T')
9	16	0.00561	0.40246	('2', '3', '4', '7', '10', '11', '12', '17', 'T')
9	17	0.32198	0.0001	('1', '2', '7', '10', 'T')
9	T	0.13288	0.0002	('2', '3', '7', '10', '11', '13', '17')
10	11	0.0	0.46045	('3', '9', '12', '13', '14', '15', '17', 'T')
10	12	0.01682	0.26527	('2', '3', '7', '9', '11', '16', '17', 'T')
10	13	0.03859	0.9508	('1', '4', '5', '15')
10	14	0.03029	0.15108	('2', '3', '5', '7', '9', '11', '17')
10	15	0.03145	0.88371	('2', '13', '16')
10	16	0.0	0.46555	('3', '6', '7', '9', '11', '12', '13', 'T')
10	17	0.0882	0.0061	('1', '2', '3', '7', '9', '12')
10	T	0.00699	0.35656	('2', '3', '4', '7', '9', '11', '12', '13', '14', '17')
11	12	0.05563	0.0416	('2', '3', '5', '10', '16', '17', 'T')
11	13	0.0	0.43646	('3', '6', '8', '12', '14', 'T')
11	14	0.05228	0.05239	('2', '3', '5', '7', '9', '10', '13', '15', '17', 'T')
11	15	0.0287	0.15708	('3', '6', '7', '12', '14', '17', 'T')
11	16	0.05594	0.0411	('3', '5', '9', '10', '12', '13', 'T')
11	17	0.12854	0.0006	('1', '2', '3', '5', '7', '9', '10', '12', '14', '16', 'T')
11	T	0.0769	0.0153	('2', '3', '5', '7', '9', '10', '12', '13', '14', '16', '17')
12	13	0.00804	0.34847	('2', '3', '6', '7', '8', '9', '11', '16', 'T')
12	14	0.01427	0.67013	('16',)
12	15	0.01765	0.23848	('2', '3', '6', '11', '14', '17', 'T')
12	16	0.02448	0.19698	('2', '3', '9', '10', '11', '17', 'T')
12	17	0.14121	0.0002	('1', '2', '3', '5', '7', '8', '9', '10', '11', '15', '16', 'T')
12	T	0.02898	0.15628	('2', '3', '9', '10', '11', '13', '16', '17')
13	14	0.0	0.43916	('4', '6', '7', '9', '12', '15', 'T')
13	15	0.01381	0.64214	('1', '4', '5', '10', '17')
13	16	0.00773	0.34857	('2', '3', '7', '11', '12', 'T')
13	17	0.0	0.45115	('1', '2', '4', '5', '9', '14', '16')
13	T	0.05081	0.06389	('2', '3', '6', '7', '8', '9', '11', '12', '16')
14	15	0.02719	0.15418	('3', '6', '7', '11', '13', '17', 'T')
14	16	0.02111	0.74593	('10', '13', '15')
14	17	0.03577	0.11169	('1', '2', '7', '9', '10', '11', '15')
14	T	0.00706	0.36376	('2', '3', '7', '9', '10', '11', '13', '15')
15	16	0.02354	0.78602	('14',)
15	17	0.01861	0.23628	('1', '3', '7', '11', '12', '14')
15	T	0.0	0.43646	('1', '3', '4', '5', '8', '10', '11', '13', '17')
16	17	0.0	0.48355	('1', '2', '3', '7', '10', '11', '12', '13', '15', 'T')
16	T	0.00066	0.46025	('2', '3', '9', '10', '11', '12', '13')
17	T	0.04321	0.07449	('1', '2', '3', '7', '9', '10', '11', '12', '13')

Table 27: Global South

Var X	Var Y	min dcor	p-value	condition
1	2	0.06171	0.0001	('3', '4', '5', '6', '7', '8', '9', '11', '12', '13', '15', '16', '17', 'T')
1	3	0.01927	0.0393	('2', '4', '5', '7', '8', '9', '10', '11', '12', '13', '14', '15', '16', '17', 'T')
1	4	0.07889	0.0001	('2', '3', '5', '6', '7', '8', '9', '11', '12', '13', '14', '16', '17', 'T')
1	5	0.00796	0.20418	('2', '4', '7', '8', '11', '12', '13', '14', '16', 'T')
1	6	0.03381	0.0047	('2', '3', '4', '7', '8', '9', '10', '11', '12', '13', '14', '16', '17', 'T')
1	7	0.06165	0.0001	('2', '3', '4', '6', '8', '9', '11', '12', '13', '16', '17', 'T')
1	8	0.13985	0.0001	('2', '4', '5', '7', '11', '12', '13', '14', '16', '17', 'T')
1	9	0.02693	0.0128	('2', '3', '4', '7', '8', '10', '11', '12', '13', '14', '15', '16', '17', 'T')
1	10	0.00056	0.44316	('2', '3', '4', '7', '9', '11', '12', '13', '16', '17', 'T')
1	11	0.10017	0.0001	('2', '3', '4', '6', '7', '8', '9', '12', '13', '14', '16', '17', 'T')
1	12	0.0367	0.002	('2', '3', '4', '7', '8', '9', '11', '13', '16', '17', 'T')
1	13	0.09174	0.0001	('2', '3', '4', '7', '8', '9', '10', '11', '12', '14', '15', '16', '17', 'T')
1	14	0.01783	0.05619	('2', '3', '4', '5', '7', '8', '9', '11', '12', '13', '15', '16', '17', 'T')
1	15	0.02352	0.0295	('2', '3', '5', '7', '9', '11', '12', '13', '14', '17', 'T')
1	16	0.06948	0.0001	('2', '3', '4', '5', '6', '7', '8', '9', '11', '12', '13', '14', '17', 'T')
1	17	0.08657	0.0001	('2', '3', '4', '7', '8', '9', '10', '11', '12', '13', '14', '16', 'T')
1	T	0.0404	0.0019	('2', '3', '4', '7', '8', '11', '12', '13', '15', '16', '17')
2	3	0.05281	0.0001	('1', '4', '5', '6', '7', '9', '11', '12', '13', '15', '16', '17', 'T')
2	4	0.11042	0.0001	('1', '3', '5', '6', '7', '8', '9', '11', '12', '13', '14', '16', '17', 'T')
2	5	0.01261	0.11509	('1', '3', '4', '6', '7', '8', '9', '12', '13', '14', '16', 'T')
2	6	0.0588	0.0001	('1', '3', '4', '5', '7', '9', '11', '12', '13', '14', '16', '17', 'T')
2	7	0.05077	0.0002	('1', '3', '4', '5', '6', '9', '11', '12', '13', '16', '17', 'T')
2	8	0.05969	0.0001	('1', '4', '5', '7', '9', '11', '12', '13', '14', '16', '17', 'T')
2	9	0.04923	0.0002	('1', '3', '4', '5', '6', '7', '10', '11', '12', '13', '14', '16', '17', 'T')
2	10	0.0	0.47665	('4', '7', '12', '13', '15', '16', '17', 'T')
2	11	0.01835	0.046	('1', '3', '4', '6', '7', '8', '9', '12', '13', '14', '15', '16', '17', 'T')
2	12	0.03738	0.0012	('1', '3', '4', '5', '6', '7', '8', '9', '11', '13', '15', '16', '17', 'T')
2	13	0.01663	0.06349	('1', '3', '4', '5', '6', '7', '9', '10', '11', '12', '15', '16', '17', 'T')
2	14	0.01032	0.15108	('1', '3', '4', '5', '6', '7', '8', '9', '11', '12', '13', '15', '16', '17', 'T')
2	15	0.0223	0.0299	('1', '3', '4', '5', '7', '9', '11', '12', '13', '14', '17', 'T')
2	16	0.04441	0.0006	('1', '3', '4', '5', '6', '7', '9', '11', '12', '13', '14', '17', 'T')
2	17	0.06454	0.0001	('1', '3', '4', '6', '7', '8', '9', '10', '11', '12', '13', '14', '16', 'T')
2	T	0.00849	0.20128	('1', '3', '4', '5', '6', '7', '8', '9', '11', '12', '13', '15', '16', '17')
3	4	0.1689	0.0001	('1', '2', '5', '7', '9', '10', '11', '12', '13', '14', '15', '16', '17', 'T')
3	5	0.02069	0.0337	('1', '2', '4', '7', '8', '9', '10', '11', '12', '13', '14', '15', '16', '17', 'T')
3	6	0.0174	0.05489	('1', '2', '4', '5', '7', '9', '10', '11', '12', '13', '14', '16', '17', 'T')
3	7	0.02991	0.0038	('1', '2', '4', '5', '9', '11', '12', '13', '15', '16', '17', 'T')
3	8	0.0	0.48605	('1', '2', '4', '5', '11', '12', '17')
3	9	0.0491	0.0002	('1', '2', '4', '7', '10', '11', '12', '13', '14', '15', '16', '17', 'T')
3	10	0.02961	0.0075	('1', '2', '4', '7', '9', '11', '12', '13', '15', '16', '17', 'T')
3	11	0.05057	0.0002	('1', '2', '4', '5', '7', '9', '10', '12', '13', '14', '15', '16', '17', 'T')
3	12	0.04226	0.0007	('1', '2', '4', '5', '7', '9', '10', '11', '13', '15', '16', '17', 'T')
3	13	0.00681	0.24088	('1', '2', '4', '5', '7', '9', '10', '11', '12', '15', '16', '17', 'T')
3	14	0.02168	0.0307	('1', '2', '4', '5', '7', '9', '11', '12', '13', '15', '16', '17', 'T')
3	15	0.05512	0.0002	('1', '2', '4', '5', '7', '9', '10', '11', '12', '13', '14', '17', 'T')
3	16	0.07653	0.0001	('1', '2', '4', '5', '7', '9', '11', '12', '13', '14', '17', 'T')
3	17	0.09025	0.0001	('1', '2', '4', '7', '9', '10', '11', '12', '13', '14', '16', 'T')
3	T	0.09139	0.0001	('1', '2', '4', '5', '7', '11', '12', '13', '15', '16', '17')
4	5	0.10397	0.0001	('1', '2', '3', '7', '8', '9', '11', '13', '14', '16', '17', 'T')
4	6	0.05235	0.0002	('1', '2', '3', '5', '7', '9', '11', '13', '14', '16', '17', 'T')
4	7	0.07613	0.0001	('1', '2', '3', '5', '9', '11', '12', '13', '14', '16', '17', 'T')
4	8	0.14553	0.0001	('1', '2', '3', '5', '7', '9', '11', '12', '13', '14', '16', '17', 'T')
4	9	0.10437	0.0001	('1', '2', '3', '5', '7', '10', '11', '12', '13', '14', '16', '17')
4	10	0.00164	0.40986	('1', '2', '3', '5', '7', '9', '11', '13', '16', '17')
4	11	0.07457	0.0001	('1', '2', '3', '5', '6', '7', '8', '9', '10', '12', '13', '14', '16', '17', 'T')
4	12	0.02484	0.015	('1', '2', '3', '5', '7', '9', '11', '13', '14', '16', '17', 'T')
4	13	0.03651	0.0015	('1', '2', '3', '5', '7', '9', '10', '11', '12', '14', '15', '16', '17', 'T')
4	14	0.08225	0.0001	('1', '2', '3', '5', '7', '8', '9', '11', '12', '13', '15', '16', '17', 'T')
4	15	0.0	0.46085	('2', '3', '5', '7', '10', '11', '13', '14', '16', '17', 'T')
4	16	0.14304	0.0001	('1', '2', '3', '5', '6', '7', '8', '9', '10', '11', '12', '13', '14', '17', 'T')
4	17	0.16074	0.0001	('1', '2', '3', '5', '7', '8', '9', '10', '11', '12', '13', '14', '16', 'T')
4	T	0.0187	0.0446	('1', '2', '3', '5', '7', '8', '9', '11', '12', '13', '14', '15', '16', '17')
5	6	0.0	0.45645	('1', '2', '3', '4', '8', '10', '12', '14', '16', '17')
5	7	0.00851	0.19088	('1', '2', '3', '4', '8', '9', '11', '12', '13', '14', '16', '17', 'T')
5	8	0.15515	0.0001	('1', '2', '4', '7', '11', '12', '13', '14', '16', '17', 'T')
5	9	0.0	0.46225	('1', '4', '7', '8', '10', '11', '13', '16', 'T')
5	10	0.0	0.46385	('2', '4', '9', '11', '13', '14', '15', '17', 'T')
5	11	0.00245	0.35716	('1', '2', '3', '4', '7', '8', '10', '12', '13', '14', '16', 'T')
5	12	0.00748	0.22478	('1', '2', '3', '4', '7', '8', '11', '13', '14', '16', '17', 'T')
5	13	0.00195	0.37636	('1', '2', '3', '4', '7', '8', '10', '11', '12', '14', '15', '16', 'T')
5	14	0.04491	0.0022	('1', '2', '3', '4', '7', '8', '11', '13', '15', '16', '17', 'T')
5	15	0.0	0.43156	('1', '2', '3', '4', '7', '8', '9', '11', '12', '13', '14', '17', 'T')
5	16	0.03128	0.0043	('1', '2', '3', '4', '7', '8', '11', '12', '13', '14', 'T')
5	17	0.00012	0.47995	('1', '2', '3', '4', '7', '8', '10', '11', '12', '13', '14', '16', 'T')
5	T	0.00657	0.23648	('1', '3', '4', '7', '8', '11', '12', '13', '14', '15', '16')
6	7	0.02165	0.0311	('1', '2', '3', '4', '9', '11', '12', '13', '14', '16', '17', 'T')
6	8	3e-05	0.47565	('2', '4', '5', '7', '11', '12', '14', '16', '17', 'T')
6	9	0.01194	0.11889	('1', '2', '3', '4', '7', '10', '11', '12', '13', '14', '16', '17', 'T')
6	10	0.00515	0.26927	('2', '3', '4', '7', '9', '11', '13', '16', '17', 'T')
6	11	0.02324	0.0274	('1', '2', '3', '4', '7', '9', '12', '13', '14', '16', '17', 'T')
6	12	0.0	0.47215	('2', '3', '4', '7', '9', '11', '17', 'T')
6	13	0.00568	0.24718	('1', '2', '4', '7', '10', '11', '12', '14', '15', '16', '17', 'T')
6	14	0.01972	0.0487	('1', '2', '3', '4', '5', '7', '9', '11', '13', '16', '17', 'T')
6	15	0.0	0.43966	('1', '2', '3', '5', '9', 'T')
6	16	0.04126	0.0019	('1', '2', '3', '4', '5', '7', '11', '13', '14', '17', 'T')
6	17	0.04942	0.0002	('1', '2', '3', '4', '7', '9', '10', '11', '12', '13', '14', '16', 'T')
6	T	0.02617	0.0189	('1', '2', '3', '4', '5', '7', '11', '12', '13', '15', '16', '17')
7	8	0.01955	0.0372	('1', '2', '4', '5', '9', '11', '12', '13', '16', '17', 'T')
7	9	0.13693	0.0001	('1', '2', '3', '4', '10', '11', '12', '13', '14', '16', '17', 'T')
7	10	0.00636	0.24718	('2', '3', '9', '12', '13', '16', '17', 'T')
7	11	0.02647	0.0153	('1', '2', '3', '4', '5', '9', '12', '13', '16', '17', 'T')
7	12	0.05606	0.0002	('1', '2', '3', '5', '9', '11', '13', '16', '17', 'T')
7	13	0.07863	0.0001	('1', '2', '4', '5', '9', '10', '11', '12', '15', '16', '17', 'T')
7	14	0.00955	0.16628	('1', '2', '3', '4', '5', '9', '11', '12', '13', '15', '16', '17', 'T')
7	15	0.02238	0.0323	('1', '2', '3', '9', '11', '12', '13', '14', '17', 'T')
7	16	0.02489	0.0164	('1', '2', '3', '4', '5', '9', '11', '12', '13', '14', '17', 'T')
7	17	0.14979	0.0001	('1', '2', '3', '4', '5', '9', '10', '11', '12', '13', '14', '16', 'T')
7	T	0.01707	0.06029	('2', '3', '5', '9', '11', '12', '13', '15', '16', '17')
8	9	0.01164	0.12449	('1', '2', '4', '5', '7', '10', '11', '12', '13', '14', '16', '17', 'T')
8	10	0.0	0.46455	('5', '6', '11', '12', '14', '15', '16', '17', 'T')
8	11	0.04188	0.001	('1', '2', '3', '4', '5', '7', '12', '13', '14', '16', '17', 'T')
8	12	0.06234	0.0001	('1', '2', '4', '5', '7', '11', '16', '17', 'T')
8	13	0.0022	0.37646	('1', '2', '4', '5', '7', '10', '11', '12', '14', '15', '16', '17', 'T')
8	14	0.04555	0.0012	('1', '2', '4', '5', '7', '11', '12', '16', '17', 'T')
8	15	0.0	0.44886	('1', '3', '7', '10')
8	16	0.0452	0.0003	('1', '2', '3', '4', '5', '7', '11', '12', '13', '14', '17', 'T')
8	17	0.18132	0.0001	('1', '2', '4', '5', '7', '10', '11', '12', '13', '14', '16', 'T')
8	T	0.04004	0.0014	('1', '2', '3', '4', '5', '7', '11', '12', '13', '15', '16', '17')
9	10	0.04154	0.002	('2', '3', '4', '7', '11', '12', '13', '16', '17')
9	11	0.03089	0.0077	('1', '2', '3', '4', '7', '10', '12', '13', '14', '16', '17', 'T')
9	12	0.03475	0.0027	('1', '2', '3', '4', '7', '10', '11', '13', '16', '17', 'T')
9	13	0.01576	0.07479	('1', '2', '3', '4', '7', '10', '11', '12', '15', '16', '17', 'T')
9	14	0.0235	0.0263	('1', '2', '3', '4', '5', '7', '11', '12', '13', '15', '16', '17')
9	15	0.00947	0.16778	('1', '2', '3', '7', '10', '12', '13', '14', 'T')
9	16	0.02921	0.0086	('1', '2', '3', '4', '5', '7', '10', '11', '12', '13', '14', '17', 'T')
9	17	0.08852	0.0001	('1', '2', '3', '4', '7', '10', '11', '12', '13', '14', '16', 'T')
9	T	0.00533	0.28417	('1', '2', '3', '4', '7', '10', '11', '12', '13', '15', '16', '17')
10	11	0.00812	0.19288	('2', '3', '9', '12', '13', '16', '17', 'T')
10	12	0.00641	0.22938	('1', '2', '3', '7', '9', '11', '13', '17', 'T')
10	13	0.02036	0.0413	('1', '2', '3', '7', '9', '11', '12', '15', '16', '17')
10	14	0.0	0.44576	('6', '8', '9', '12', '17', 'T')
10	15	0.00152	0.36426	('1', '2', '3', '7', '9', '13', '14', '17', 'T')
10	16	0.0	0.46485	('4', '7', '9', '11', '13', '17', 'T')
10	17	0.15369	0.0001	('1', '2', '3', '4', '7', '9', '11', '12', '13', '16', 'T')
10	T	0.0	0.46155	('5', '7', '11', '12', '13', '15', '16', '17')
11	12	0.09694	0.0001	('1', '2', '3', '4', '7', '8', '9', '10', '13', '16', '17', 'T')
11	13	0.02683	0.0187	('1', '2', '3', '4', '5', '7', '9', '10', '12', '14', '15', '16', '17', 'T')
11	14	0.01891	0.05189	('1', '2', '3', '4', '5', '7', '8', '9', '12', '13', '15', '16', '17', 'T')
11	15	0.00259	0.33577	('1', '2', '3', '7', '12', '13', '14', '16', 'T')
11	16	0.08233	0.0001	('1', '2', '3', '4', '5', '7', '9', '12', '13', '14', '17', 'T')
11	17	0.05571	0.0001	('1', '2', '3', '4', '7', '8', '9', '10', '12', '13', '14', '16', 'T')
11	T	0.17114	0.0001	('2', '3', '4', '5', '7', '8', '9', '10', '12', '13', '15', '16', '17')
12	13	0.0318	0.0081	('1', '2', '3', '5', '7', '9', '10', '11', '15', '16', '17', 'T')
12	14	0.00308	0.34077	('1', '2', '3', '4', '5', '7', '8', '9', '11', '13', '15', '16', '17', 'T')
12	15	0.00476	0.28487	('1', '2', '3', '5', '7', '9', '11', '13', '14', '17', 'T')
12	16	0.01633	0.06649	('1', '2', '3', '4', '5', '7', '9', '11', '13', '14', '17', 'T')
12	17	0.14135	0.0001	('1', '2', '3', '4', '7', '8', '9', '10', '11', '13', '14', '16', 'T')
12	T	0.06614	0.0001	('2', '3', '5', '7', '11', '13', '15', '16', '17')
13	14	0.00632	0.22248	('1', '2', '3', '4', '5', '7', '9', '11', '12', '15', '16', '17', 'T')
13	15	0.05812	0.0013	('1', '2', '3', '7', '10', '12', '14', 'T')
13	16	0.04058	0.0027	('1', '2', '3', '4', '5', '7', '9', '10', '11', '12', '14', '15', '17', 'T')
13	17	0.04551	0.0009	('1', '2', '4', '7', '9', '10', '11', '12', '14', '15', '16', 'T')
13	T	0.00604	0.24178	('1', '2', '3', '7', '10', '11', '12', '15', '16')
14	15	0.02756	0.0224	('1', '2', '3', '4', '5', '7', '9', '11', '13', '17', 'T')
14	16	0.04955	0.0007	('1', '2', '3', '4', '5', '7', '9', '11', '13', '17', 'T')
14	17	0.06397	0.0001	('1', '2', '3', '4', '5', '7', '8', '9', '10', '11', '12', '13', '15', '16', 'T')
14	T	0.00052	0.43806	('3', '4', '5', '7', '8', '9', '11', '12', '13', '15', '16', '17')
15	16	0.0	0.46535	('5', '6', '7', '8', '10', 'T')
15	17	0.01149	0.12849	('1', '2', '3', '7', '10', '12', '13', '14', 'T')
15	T	0.04592	0.0016	('1', '2', '3', '7', '11', '12', '13', '14')
16	17	0.0754	0.0001	('1', '2', '3', '4', '5', '6', '7', '8', '9', '10', '11', '12', '13', '14', 'T')
16	T	0.01207	0.11729	('1', '2', '3', '4', '5', '7', '11', '12', '13', '14', '15', '17')
17	T	0.03676	0.0011	('1', '2', '3', '4', '7', '8', '9', '10', '11', '12', '13', '14', '15', '16')

Table 28: Least Developed Countries (LDC)

Var X	Var Y	min dcor	p-value	condition
1	2	0.03795	0.11359	('3', '4', '6', '7', '8', '9', '11', '12', '14', '16', '17')
1	3	0.01226	0.33637	('2', '4', '7', '10', '12', '13', '16', 'T')
1	4	0.19351	0.0001	('5', '7', '8', '10', '11', '13', '16', '17')
1	5	0.02744	0.18208	('4', '8', '9', '14', '15', '16')
1	6	0.0	0.48995	('2', '3', '4', '7', '8', '9', '10', '12', '15', 'T')
1	7	0.03858	0.11339	('2', '3', '4', '8', '9', '10', '11', '13', '16', '17', 'T')
1	8	0.20591	0.0001	('2', '4', '5', '10', '12', '16')
1	9	5e-05	0.48145	('2', '4', '5', '7', '12', '13', '16')
1	10	0.01971	0.25117	('3', '4', '7', '8', '11', '13', '14', '16', '17')
1	11	0.01357	0.31077	('2', '3', '4', '6', '7', '8', '10', '12', '13', '15', 'T')
1	12	1e-05	0.48465	('2', '3', '4', '7', '8', '9', '11', '13', '16', '17', 'T')
1	13	0.02924	0.16808	('2', '3', '4', '7', '10', '15', 'T')
1	14	0.00626	0.55374	('4', '12', '13', '16', 'T')
1	15	0.00922	0.59114	('4', '7', '8', '9', '16')
1	16	0.11594	0.0004	('2', '3', '4', '6', '7', '8', '9', '10', '12', '17', 'T')
1	17	0.02567	0.20398	('2', '3', '4', '7', '8', '9', '10', '11', '12', '13', '16')
1	T	0.0	0.47335	('2', '5', '8', '13', '14', '15', '16')
2	3	0.0284	0.17578	('1', '7', '11', '12', '13', '14', '16')
2	4	0.0	0.48485	('1', '3', '9', '10', '11', '17', 'T')
2	5	0.00105	0.48885	('11', '13')
2	6	0.02808	0.18028	('1', '9', '11', '12', '15', '16')
2	7	0.02533	0.19598	('1', '3', '9', '11', '12', '14', '16', '17')
2	8	0.03654	0.11719	('1', '5', '7', '11', '12', '14', '16', '17')
2	9	0.03677	0.11919	('1', '7', '11', '12', '16')
2	10	0.01686	0.69223	('16', 'T')
2	11	0.0753	0.0153	('3', '6', '7', '8', '9', '10', '12', '14', '15', '17', 'T')
2	12	0.0555	0.0433	('1', '3', '6', '7', '8', '9', '11', '13', '16', '17')
2	13	0.00199	0.43796	('1', '3', '7', '9', '11', '12', '14', '15')
2	14	0.01924	0.25427	('3', '5', '6', '7', '8', '9', '10', '11', '16', '17')
2	15	0.01441	0.30347	('1', '6', '7', '11', '12', '14')
2	16	0.01477	0.30197	('1', '7', '12')
2	17	0.03958	0.10289	('1', '3', '4', '6', '7', '8', '9', '10', '11', '12', '14', '15', '16')
2	T	0.02864	0.81912	('1', '8', '9', '14', '15')
3	4	0.02143	0.22548	('1', '2', '7', '10', '11', '12', '13', '16', '17', 'T')
3	5	0.0	0.46185	('1', '2', '7', '8', '10', '11', '12', '14', 'T')
3	6	0.01511	0.28917	('2', '9', '10', '11', '12', '15', '16', '17', 'T')
3	7	0.01929	0.24808	('1', '2', '9', '10', '11', '12', '13', '16', '17', 'T')
3	8	0.0029	0.49825	('T',)
3	9	0.00732	0.37996	('1', '2', '7', '12', '13', '16', 'T')
3	10	0.05986	0.0398	('1', '4', '7', '11', '12', '13', '14', '16', '17', 'T')
3	11	0.01099	0.32997	('T',)
3	12	0.07132	0.018	('1', '2', '9', '10', '11', '13', '16', '17', 'T')
3	13	0.06317	0.036	('1', '2', '7', '10', '12', '14', '15', 'T')
3	14	0.00524	0.40586	('2', '5', '7', '9', '10', '11', '16', '17', 'T')
3	15	0.0036	0.41626	('1', '2', '6', '7', '10', '11', '12', '13', 'T')
3	16	0.04645	0.07699	('1', '2', '7', '10', '12', 'T')
3	17	0.06028	0.0325	('1', '2', '4', '7', '10', '11', '12', '13', '16', 'T')
3	T	0.06475	0.0293	('1', '11', '12', '13', '16')
4	5	0.02711	0.17838	('1', '8', '9', '10', '14', '15', '16', '17')
4	6	0.00451	0.52765	('1', '5', '8', '10', '13')
4	7	0.02569	0.20018	('1', '3', '8', '9', '10', '11', '13', '16', '17', 'T')
4	8	0.14222	0.0004	('1',)
4	9	0.02044	0.23308	('1', '2', '5', '7', '10', '12', '13', '16', '17')
4	10	0.04899	0.06519	('1', '3', '7', '8', '11', '12', '13', '14', '16', '17', 'T')
4	11	0.02394	0.20378	('1', 'T')
4	12	0.00137	0.46645	('1', '2', '3', '8', '9', '10', '11', '13', '16', '17', 'T')
4	13	0.0	0.46355	('1', '2', '5', '6', '8', '10', '11', '12', '15', '16', '17')
4	14	0.00429	0.52605	('1', '12')
4	15	0.02135	0.74573	('1', '16')
4	16	0.0	0.48175	('5', '6', '7', '8', '12', '17', 'T')
4	17	0.14282	0.0001	('1', '2', '3', '7', '8', '9', '10', '11', '12', '16', 'T')
4	T	0.0	0.47055	('1', '2', '3', '5', '9', '11', '12', '13', '15')
5	6	0.00456	0.52185	('1', '4', '8', '14')
5	7	0.0	0.47585	('3', '11', '12', '16', 'T')
5	8	0.0747	0.0219	('1', '4', '9', '12', '14', '15', '16')
5	9	0.05407	0.05299	('1', '4', '7', '12', '14', '15', '16')
5	10	0.0	0.45955	('4', '6', '7', '8', '9', '11', '12', '15', '16', 'T')
5	11	0.0	0.44886	('1', '2', '3', '7', '9', '10', '12', '14', '15')
5	12	0.0	0.46805	('1', '4', '7', '8', '10', '11', '15', '16', '17')
5	13	0.02162	0.74373	('8', '11', '14', '16')
5	14	0.02948	0.15988	('2', '8', '9', '10', '11', '16')
5	15	0.02272	0.20418	('1', '6', '9', '10', '11', '14')
5	16	0.0	0.47225	('1', '2', '8', '10', '11', '12', '13', 'T')
5	17	0.0	0.47485	('1', '2', '3', '4', '6', '8', '10', '16', 'T')
5	T	0.0006	0.46405	('1', '2', '8', '9', '14', '15')
6	7	0.0059	0.54635	('4', '8', '9', '10', '13')
6	8	0.05719	0.9821	('4', '5', '13')
6	9	0.03083	0.15658	('1', '2', '7', '11', '12', '13', '15', '16')
6	10	0.0	0.46305	('1', '2', '4', '8', '9', '11', '12', '14', '15', '16', 'T')
6	11	0.02398	0.20058	('T',)
6	12	0.00168	0.44876	('2', '3', '9', '11', '15', '16', '17', 'T')
6	13	0.0	0.45345	('2', '3', '4', '9', '14', '15', 'T')
6	14	0.00766	0.36246	('2', '5', '9', '10', '11', '15', '16')
6	15	0.04716	0.07709	('2', '11', '13', 'T')
6	16	0.03392	0.13429	('1', '2', '3', '7', '9', '12', '15', 'T')
6	17	0.01384	0.31277	('2', '3', '7', '9', '10', '11', '12', '15', '16', 'T')
6	T	0.02731	0.17888	('11', '16')
7	8	0.01332	0.31327	('1', '2', '4', '5', '9', '11', '13', '16', '17')
7	9	0.1538	0.0001	('1', '2', '4', '5', '11', '12', '13', '16', '17')
7	10	3e-05	0.46905	('1', '3', '9', '11', '13', '14', '16', '17')
7	11	0.02635	0.18738	('2', '4', '9', '10', '12', '13', '14', '15', '17', 'T')
7	12	0.0	0.47235	('10', '13', 'T')
7	13	0.02474	0.19948	('1', '2', '3', '9', '10', '15', 'T')
7	14	0.00719	0.38326	('5', '9', '10', '11', '17')
7	15	0.0	0.45765	('1', '4', '6', '9', '13', '14', '16', '17', 'T')
7	16	0.03461	0.13419	('1', '2', '3', '9', '10', '12', '17', 'T')
7	17	0.11873	0.0004	('1', '2', '4', '9', '10', '11', '13', '16', 'T')
7	T	0.01439	0.30567	('1', '9', '11', '12', '13', '16')
8	9	0.0	0.46515	('2', '3', '14', '15')
8	10	0.00315	0.42026	('1', '4', '5', '11', '12', '13', '14', '16', '17')
8	11	0.01334	0.30477	('1', 'T')
8	12	0.06424	0.0296	('1', '2', '3', '4', '5', '11', '13', '16', '17', 'T')
8	13	0.00991	0.58254	('3', '6', '15', 'T')
8	14	0.01783	0.25937	('1', '5', '7', '10', '11', '17')
8	15	0.01314	0.63384	('1', '4', '16')
8	16	0.00384	0.43476	('1',)
8	17	0.13347	0.0003	('1', '2', '4', '5', '7', '10', '12', '16')
8	T	0.02797	0.81582	('6', '11', '13')
9	10	0.0	0.45935	('1', '2', '3', '4', '6', '11', '12', '14', '15', '17')
9	11	0.0	0.45195	('2', '4', '7', '10', '12', '13', '14', '15', 'T')
9	12	0.04254	0.08929	('1', '2', '3', '5', '7', '11', '13', '16', '17', 'T')
9	13	0.0232	0.19248	('1', '2', '3', '7', '12', '15')
9	14	0.01675	0.26887	('5', '7', '10')
9	15	0.0	0.44226	('1', '4', '7', '14', '16', 'T')
9	16	0.00233	0.44496	('1', '7', '12')
9	17	0.05573	0.0457	('1', '2', '4', '5', '7', '10', '12', '13', '16')
9	T	0.0	0.46315	('1', '2', '3', '4', '11', '12', '13', '14', '15', '16')
10	11	0.05977	0.0466	('1', '3', '4', '12', '13', '14', '15', '17', 'T')
10	12	0.00182	0.44906	('1', '3', '11', '13', '16', '17', 'T')
10	13	0.02098	0.21458	('1', '3', '7', '11', '14', '15', 'T')
10	14	0.03503	0.12539	('3', '5', '7', '9', '11', '17')
10	15	0.0	0.43826	('2', '14', '16', 'T')
10	16	0.03871	0.11119	('1', '3', '7', '12', '17', 'T')
10	17	0.10843	0.0016	('1', '3', '4', '7', '11', '12', '13', '14', '16')
10	T	0.0	0.45855	('1', '5', '9', '11', '12', '17')
11	12	0.08063	0.0116	('T',)
11	13	0.0105	0.58674	('5', '8', '17', 'T')
11	14	0.02162	0.21728	('2', '5', '7', '10', 'T')
11	15	0.03928	0.10149	('2', '5', '6', '10', '12', '13', 'T')
11	16	0.03036	0.84142	('15', 'T')
11	17	0.02195	0.22458	('2', '4', '7', '10', '12', '15', 'T')
11	T	0.28256	0.0001	('3', '7', '10', '12')
12	13	0.01397	0.28827	('1', '2', '3', '7', '9', '10', '11', '15', '16', 'T')
12	14	0.03371	0.86151	('T',)
12	15	0.00017	0.45685	('16',)
12	16	0.09759	0.0021	('1', '2', '3', '6', '7', '8', '9', '10', '17', 'T')
12	17	0.06269	0.0262	('1', '2', '3', '4', '7', '8', '9', '10', '11', '13', '16', 'T')
12	T	0.05505	0.0478	('1', '11', '16')
13	14	0.00205	0.42346	('2', '3', '5', '7', '9', '10', '11', '15')
13	15	0.02837	0.15638	('1', '2', '3', '6', '7', '10', '11', '14', 'T')
13	16	0.01507	0.67013	('15',)
13	17	0.0	0.46535	('4', '6', '7', '8', '9', '14', '16', 'T')
13	T	0.00571	0.37816	('1', '3', '7', '11', '15')
14	15	0.0119	0.29737	('2', '5', '6', '7', '10', '11')
14	16	0.0	0.48785	('1', '2', '3', '5', '8', '10', '15', '17')
14	17	0.02366	0.21178	('2', '3', '5', '7', '8', '9', '10', '11', '16')
14	T	0.01456	0.65403	('12',)
15	16	0.04153	0.92231	('11', '13', '14')
15	17	0.0	0.46465	('2', '3', '6', '7', '11', '12', '13', '16', 'T')
15	T	0.0	0.44976	('4', '5', '6', '11', '12', '13', '16')
16	17	0.03139	0.15368	('1', '7', '10', '12', 'T')
16	T	9e-05	0.47835	('1', '3', '7', '11', '12', '13')
17	T	4e-05	0.48335	('3', '7', '10', '11', '12')

Table 29: Emerging Markets (BRICS + N-11)

Var X	Var Y	min dcor	p-value	condition
1	2	2e-05	0.48185	('4', '5', '8', '13', '14', '17')
1	3	0.00354	0.47145	('5', '13', '14', '16', 'T')
1	4	0.0	0.48505	('5', '6', '7', '8', '13', '14', '16', 'T')
1	5	0.05532	0.28107	('3', '4', '8', '13', '17', 'T')
1	6	0.00321	0.48455	('5', '8', '10', '13', '14', '17')
1	7	6e-05	0.48205	('2', '3', '6', '8', '13', '14', '17', 'T')
1	8	0.16278	0.05399	('5', '13', 'T')
1	9	0.00028	0.49185	('3', '5', '13', '16', 'T')
1	10	0.0	0.46215	('2', '3', '5', '8', '13', '17', 'T')
1	11	0.0	0.46625	('2', '3', '4', '6', '12', '16', '17', 'T')
1	12	0.11609	0.88681	('5', 'T')
1	13	0.14673	0.08049	('5', '11', '17')
1	14	0.0	0.46855	('3', '5', '6', '7', '8', '11', '12', '17')
1	15	0.0	0.45725	('3', '6', '9', '11', '16', '17', 'T')
1	16	4e-05	0.47185	('2', '5', '8', '9', '13', '17', 'T')
1	17	0.03993	0.34057	('2', '5', '8', '10', '13', 'T')
1	T	1e-05	0.48325	('3', '7', '11', '17')
2	3	0.02141	0.58434	('16', 'T')
2	4	0.17026	0.0462	('1', '5', '6', '14', '17')
2	5	0.0	0.49615	('3', '4', '9', '10', '15', '17')
2	6	0.0	0.48305	('3', '5', '7', '8', '12', '13', '15', '16', '17', 'T')
2	7	0.03142	0.36516	('1', '4', '6', '9', '13', '14', '17')
2	8	0.0	0.48385	('1', '4', '5', '6', '7', '9', '10', '11', '17', 'T')
2	9	0.01943	0.41476	('4', '7', '8', '12', '14', '17')
2	10	0.0	0.48115	('1', '4', '6', '7', '9', '14', '16')
2	11	0.00596	0.49965	('T',)
2	12	0.0	0.48645	('4', '6', '9', '10', '11', '16', '17', 'T')
2	13	0.0	0.47895	('3', '7', '8', '12', '14', '16', '17', 'T')
2	14	0.12442	0.11179	('4', '7', '11', '12', '17')
2	15	0.12992	0.91931	('4', '8', '10', '14', '17')
2	16	0.00013	0.48245	('3', '13', '15', 'T')
2	17	0.12498	0.10329	('1', '4', '5', '7', '9', '10', '12', '14')
2	T	0.02899	0.60874	('4', '9', '12', '14', '17')
3	4	0.0835	0.18688	('5', '14', '16')
3	5	0.0314	0.35836	('1', '4', '7', '10', '14', '16', 'T')
3	6	0.00239	0.46285	('16', 'T')
3	7	0.0	0.47755	('6', '10', '12', '15', '17')
3	8	0.0	0.47675	('2', '4', '5', '7', '9', '10', '13', '14', '16', 'T')
3	9	0.14375	0.93911	('13', '16', 'T')
3	10	0.03258	0.33137	('5', '14', '16', '17', 'T')
3	11	0.0	0.44436	('2', '4', '5', '8', '10', '12', '13', '16', 'T')
3	12	0.0	0.47185	('4', '5', '6', '7', '10', '13', '14', '16', '17')
3	13	0.05408	0.68843	('5', '7', '10', '16', 'T')
3	14	0.02159	0.38176	('1', '4', '5', '7', '12', '16', 'T')
3	15	0.00015	0.44136	('2', '5', '6', '8', '10', '14', '16', 'T')
3	16	0.36936	0.0006	('4', '6', '10', '12', '14', 'T')
3	17	0.0	0.48385	('1', '5', '7', '8', '9', '16', 'T')
3	T	0.03639	0.33987	('5', '11', '16')
4	5	0.17085	0.0407	('2', '3', '8', '11', '14', '15', '16', '17')
4	6	0.02604	0.38986	('2', '16')
4	7	0.0	0.48855	('2', '3', '5', '6', '8', '9', '11', '15', '16', '17', 'T')
4	8	0.07423	0.21908	('1', '2', '3', '5', '9', '13', '16', '17')
4	9	0.0	0.49105	('1', '2', '3', '7', '10', '11', '12', '15', '16', '17', 'T')
4	10	8e-05	0.48675	('1', '2', '6', '7', '11', '12', '13', '14', '15', '16')
4	11	0.0	0.48135	('1', '5', '6', '15', '16', 'T')
4	12	1e-05	0.47845	('3', '5', '6', '7', '9', '14', '15', '16', '17')
4	13	0.01977	0.40846	('5', '6', '11', '12', '14', '15', '17')
4	14	0.13067	0.09389	('2', '3', '5', '7', '11', '12')
4	15	0.0466	0.30637	('5', '13', '16')
4	16	0.00221	0.48935	('1', '2', '3', '5', '6', '12', '14', '15')
4	17	0.01261	0.44236	('2', '5', '10', '13', '14', '16')
4	T	0.14388	0.93671	('2', '5', '9', '12', '13', '16')
5	6	0.01155	0.52525	('1', '8', '9', '10', '14', '15', '17', 'T')
5	7	0.0	0.48275	('1', '2', '4', '6', '11', '14', '15', 'T')
5	8	0.2411	0.0091	('1', '4', '7', '17', 'T')
5	9	0.0	0.48355	('2', '4', '7', '10', '15', '16', '17')
5	10	0.0	0.48205	('4', '7', '8', '11', '13', '17', 'T')
5	11	0.0	0.46905	('2', '3', '7', '8', '9', '10', '12', '13', '14', '17')
5	12	0.03527	0.62504	('13', '16')
5	13	0.0	0.46965	('2', '4', '7', '8', '9', '11', '14')
5	14	0.0001	0.47845	('2', '3', '4', '7', '11', '17', 'T')
5	15	0.0	0.45545	('1', '2', '4', '7', '11', '12', '16', '17')
5	16	0.0422	0.65923	('6', '12', '13')
5	17	0.08595	0.19078	('1', '2', '4', '7', '8', '10', '12', '14', 'T')
5	T	0.00381	0.46665	('1', '3', '7', '11', '14')
6	7	0.12789	0.09899	('2', '13', '16', 'T')
6	8	0.05164	0.68303	('1', '5', '9', '10', '17')
6	9	0.05876	0.71383	('1', '2', '8', '10', '12', '14', '15', '17')
6	10	0.07913	0.79802	('17',)
6	11	0.03309	0.31267	('16', 'T')
6	12	0.01774	0.54565	('9', '14', '17')
6	13	0.03076	0.31857	('1', '2', '9', '10', 'T')
6	14	0.01041	0.49885	('2', '5', '9', '10', '11', '12', '17')
6	15	0.02092	0.52175	('2', '3', '14')
6	16	0.20253	0.0342	('3', '7', '11')
6	17	0.07438	0.77312	('2', '5', '9', '10', '12')
6	T	0.01524	0.40456	('11', '16')
7	8	0.06038	0.26307	('1', '2', '5', '6', '9', '13', '14', '17')
7	9	0.01883	0.41346	('1', '2', '6', '8', '12', '13', '14', '15', '17')
7	10	0.05165	0.67133	('1', '2', '6', '11', '12', '13', '14')
7	11	0.0	0.47075	('4', '6', '14', '16', '17', 'T')
7	12	0.0	0.48375	('2', '4', '6', '8', '10', '11', '13', '14', '16', '17', 'T')
7	13	0.00189	0.45965	('1', '2', '5', '9', '14', '16', 'T')
7	14	0.15904	0.06069	('1', '2', '3', '4', '5', '6', '9', '11', '12', '13', '17')
7	15	0.00162	0.44776	('1', '5', '9', '13', '14', '16')
7	16	0.0	0.46755	('1', '4', '6', '9', '10', '11', '12', '15')
7	17	0.02839	0.37736	('1', '2', '5', '12', '13', '14')
7	T	0.01413	0.54285	('1', '2', '4', '6', '9', '12', '13', '14')
8	9	0.1053	0.14899	('1', '2', '5', '7', '12', '17')
8	10	0.0132	0.42336	('1', '5', '17')
8	11	0.06613	0.73993	('2', '5', '9', '10', '13')
8	12	0.0	0.49215	('1', '3', '6', '9', '10', '11', '14', '17')
8	13	0.0	0.47805	('1', '2', '3', '9', '10', '14', '16')
8	14	0.04516	0.65063	('11',)
8	15	0.11797	0.90381	('1', '2', '5', '14', '17')
8	16	0.00238	0.48185	('6', '11', '12', '14', '15')
8	17	0.15216	0.06099	('1', '2', '5', '10', '12', '13', 'T')
8	T	0.0	0.48085	('1', '4', '5', '7', '9', '16')
9	10	0.00332	0.46205	('2', '8', '14', '15', '17')
9	11	0.01234	0.53435	('T',)
9	12	0.06925	0.22748	('2', '7', '14', '15', '16', '17')
9	13	0.10915	0.88291	('1', '2', '7', '10')
9	14	0.0	0.47205	('1', '2', '4', '7', '10', '15', '17', 'T')
9	15	0.04652	0.29227	('2', '3', '14', 'T')
9	16	0.00153	0.48885	('3', '6', '11', 'T')
9	17	0.04504	0.32007	('1', '2', '5', '7', '8', '10', '12', '14', '15')
9	T	0.13213	0.91471	('3', '11')
10	11	0.0924	0.84242	('2', '3', '8', '9', '14', '17')
10	12	0.01836	0.53745	('13', '16', 'T')
10	13	0.12297	0.9595	('2', '3', '8', '9', '14', '16', 'T')
10	14	0.0	0.43516	('1', '2', '4', '9', '11', '12', '13', '17')
10	15	0.02137	0.51055	('2', '3', '8', '14', '17')
10	16	0.0	0.45635	('3', '6', '7', '11', '15', 'T')
10	17	0.3433	0.001	('2', '3', '8', '9', '14')
10	T	0.02939	0.59384	('2', '9', '12', '17')
11	12	0.00635	0.50165	('2', '9', '10', '13', '14', '16')
11	13	0.03752	0.28307	('2', '3', '9', '10')
11	14	0.06773	0.21388	('2', '7', '16', 'T')
11	15	0.05066	0.24198	('2', '3', '8', '10', '14')
11	16	0.01613	0.40216	('2', '6', '15', 'T')
11	17	0.0	0.47025	('4', '5', '7', '8', '9', '12', '14', '15', 'T')
11	T	0.35495	0.0016	('2', '9', '10', '12', '13')
12	13	0.0	0.26957	('13', '14', '16', '17')
12	14	0.11067	0.12729	('2', '4', '7', '9', '11', '16', '17')
12	15	0.00344	0.43786	('9', '13', '16')
12	16	0.20367	0.0239	('3', '6', '9', '14', '15', '17')
12	17	0.09587	0.16318	('2', '9', '10', '13', '14', '16')
12	T	0.11162	0.86921	('2', '4', '9', '14', '15', '16', '17')
13	14	4e-05	0.42976	('2', '4', '7', '11', '12', '15', '17')
13	15	0.0045	0.37696	('2', '3', '8', '10', '14', '17')
13	16	0.02388	0.55994	('1', '2', '3', '7', '10', '12', 'T')
13	17	0.08844	0.18178	('1',)
13	T	0.0377	0.62034	('1', '3', '7', '10', '11')
14	15	0.07077	0.75882	('2',)
14	16	0.0	0.46185	('1', '3', '5', '6', '9', '10', '11', '17', 'T')
14	17	7e-05	0.49045	('1', '4', '5', '7', '9', '10', '11', '12', 'T')
14	T	0.0	0.47245	('2', '3', '5', '6', '7', '8', '11', '12', '13')
15	16	0.15076	0.07709	('4', '7', '12', '13')
15	17	0.00531	0.51015	('2', '5', '8', '10', '14')
15	T	0.0	0.45545	('2', '4', '7', '9', '11', '12', '14')
16	17	0.01936	0.55764	('2', '5', '9', '10', '13', 'T')
16	T	0.0	0.47105	('5', '8', '11', '14')
17	T	0.0	0.48655	('4', '8', '9', '10', '11', '14', '15')

Table 30: Land Locked Developing Countries (LLDC)

Var X	Var Y	min dcor	p-value	condition
1	2	0.01677	0.61404	('5', '16')
1	3	0.0	0.47025	('2', '4', '5', '7', '9', '12', '13', '14', '16')
1	4	0.0116	0.39496	('3', '8', '9', '11', '16', '17', 'T')
1	5	0.0	0.48085	('2', '3', '4', '6', '7', '8', '10', '11', '12', '13', '15', '16')
1	6	0.01578	0.60174	('2', '10', '13')
1	7	0.0	0.48285	('2', '5', '6', '10', '14', '15', '16')
1	8	0.13422	0.0074	('2', '11', '16', '17', 'T')
1	9	0.0	0.46195	('4', '5', '11', '12', '13', '14', '15', '16')
1	10	0.0	0.47715	('3', '6', '8', '15', 'T')
1	11	0.07451	0.07359	('T',)
1	12	0.0	0.48625	('5', '6', '9', '11', '14', '15')
1	13	0.00944	0.53985	('5', 'T')
1	14	0.00054	0.46215	('5', '10', '11', '13', '16', 'T')
1	15	0.0	0.44806	('4', '8', '9', '10', '16', '17')
1	16	0.07769	0.06439	('3', '5', '7', '8', '9', '11', '12', '14', '17', 'T')
1	17	0.12111	0.0125	('3', '8', '10', '11', '16', 'T')
1	T	0.15007	0.0069	('3', '8', '11', '16', '17')
2	3	0.06969	0.08319	('6', '7', '10', '11', '12', '15', '17', 'T')
2	4	0.0	0.48465	('1', '5', '7', '10', '11', '13', '16', '17', 'T')
2	5	0.02446	0.66953	('3', '7', '9', '12', '13', '15')
2	6	0.02552	0.28567	('3', '10', '13', '15', 'T')
2	7	0.02893	0.26867	('3', '10', '12', '13', '15', 'T')
2	8	0.0951	0.0329	('3', '6', '7', '10', '12', '17', 'T')
2	9	0.0	0.47425	('4', '5', '6', '7', '10', '13', '16', '17', 'T')
2	10	0.03809	0.20658	('3', '5', '6', '7', '8', '11', '12', '13', '14', '15', '17', 'T')
2	11	0.0	0.48295	('3', '4', '5', '8', '9', '12', '15', '17')
2	12	0.03209	0.24568	('3', '7', '8', '10', '11', '16', '17', 'T')
2	13	5e-05	0.45525	('3', '6', '7', '9', '10', '12', '14', '15', 'T')
2	14	0.00397	0.43936	('3', '5', '10', '13')
2	15	0.03843	0.19768	('1', '3', '6', '7', '10', '13')
2	16	0.00481	0.52665	('1', '5')
2	17	0.01283	0.38386	('3', '7', '8', '10', '11', '12', '14', '15', 'T')
2	T	0.02568	0.28467	('3', '7', '10', '11')
3	4	0.18943	0.0007	('1', '2', '6', '7', '9', '11', '12', '16', '17', 'T')
3	5	0.0	0.47325	('1', '2', '7', '9', '11', '12', '15', 'T')
3	6	0.12322	0.0158	('2', '4', '10', '11', '14', '15', 'T')
3	7	0.05453	0.13439	('2', '4', '9', '10', '11', '12', '13', '15', '16', '17', 'T')
3	8	0.0	0.46955	('1', '6', '7', '9', '12', '15', '16')
3	9	0.0	0.46815	('1', '4', '7', '10', '11', '14', '15', '16')
3	10	2e-05	0.47265	('2', '5', '6', '7', '11', '12', '13', '14', '16', '17')
3	11	0.15644	0.0041	('1', '10', '12', '16', 'T')
3	12	0.12285	0.0101	('1', '2', '4', '7', '10', '11', '14', '16', '17', 'T')
3	13	0.0	0.45545	('2', '7', '9', '10', '12', '15', '17')
3	14	0.01454	0.34517	('1', '2', '5', '10', '11', '13', '16', 'T')
3	15	0.10719	0.0295	('1', '2', '6', '7', '13', '16', 'T')
3	16	0.1369	0.0049	('1', '4', '5', '7', '9', '10', '11', '12', '14', '15', '17', 'T')
3	17	0.11624	0.0144	('1', '2', '4', '7', '10', '11', '12', '14', '16', 'T')
3	T	0.31089	0.0001	('2', '6', '7', '11', '12', '16', '17')
4	5	0.0	0.47575	('2', '7', '11', '16', '17')
4	6	0.04036	0.20468	('3', 'T')
4	7	0.03737	0.21888	('3', '9', '11', '13', '15', '16', '17', 'T')
4	8	0.10742	0.0224	('1', '2', '3', '5', '6', '7', '12', '17')
4	9	0.07629	0.07019	('3', '7', '11', '12', '16', '17')
4	10	0.00539	0.51445	('13', '14')
4	11	0.00558	0.43176	('1', '3', '7', '10', '12', 'T')
4	12	0.0	0.48705	('1', '3', '7', '8', '9', '10', '17', 'T')
4	13	2e-05	0.45425	('5', '7', '8', '11')
4	14	0.04472	0.81412	('10', '13')
4	15	0.0	0.45425	('1', '3', '5', '9', '10', '12', '13', '14', '16', '17')
4	16	0.0	0.49725	('2', '3', '7', '8', '9', '10', '11', '12', '15', 'T')
4	17	0.10752	0.0166	('1', '3', '7', '8', '9', '10', '11', '12', '16', 'T')
4	T	0.00054	0.46315	('1', '2', '3', '11')
5	6	9e-05	0.48075	('1', '10', '14', '15', 'T')
5	7	0.05652	0.88001	('1', '2', '3', '9', '12', '13')
5	8	0.02582	0.27817	('1', '2', '10', '14', '16', 'T')
5	9	0.05058	0.85471	('13',)
5	10	0.06535	0.09569	('11', '14', '16')
5	11	0.00653	0.42566	('10', '14', '16', 'T')
5	12	0.0102	0.56214	('1', '2', '3', '7', '9', '13')
5	13	0.08422	0.9766	('1', '2', '7', '9', '12')
5	14	0.0865	0.05009	('10', '16')
5	15	7e-05	0.45875	('2', '3', '7', '9', '13', '16')
5	16	0.04973	0.15638	('1', '10', '11', '14')
5	17	0.00096	0.49465	('10', '11', '14', '16')
5	T	0.0	0.47495	('3', '6', '10', '11', '12', '13', '17')
6	7	0.0	0.47665	('1', '2', '5', '12', '16', 'T')
6	8	0.0365	0.21188	('1', '2', '3', '4', '5', '10', '12', '13', '15', 'T')
6	9	0.0	0.46725	('2', '4', '7', '8', '10', '11', '12', '17')
6	10	0.00782	0.40216	('2', '3', '5', '7', '11', '13', '14', '15', '17', 'T')
6	11	0.0	0.46565	('2', '4', '5', '9', '12', '13', '14', '15', '17', 'T')
6	12	0.00982	0.55954	('5', '15')
6	13	0.00578	0.41016	('2', '3', '9', '10', '15', 'T')
6	14	1e-05	0.46555	('1', '2', '4', '7', '15', '16', 'T')
6	15	0.07078	0.08539	('2', '3', '13')
6	16	0.01069	0.57144	('5', '12')
6	17	0.0	0.47955	('1', '3', '4', '7', '10', '13', '15', '16', 'T')
6	T	0.05955	0.11389	('3', '11', '13')
7	8	0.0	0.47015	('2', '4', '9', '10', '11', '12', '14', '17', 'T')
7	9	0.07187	0.08119	('4', '10', '11', '12', '13', '15', '16', '17', 'T')
7	10	0.057	0.12479	('2', '3', '9', '11', '12', '13', '15', '16', '17')
7	11	0.06921	0.08739	('1', '3', '9', '10', '12', '13', '15', '16', '17', 'T')
7	12	0.01051	0.39296	('1', '2', '3', '9', '10', '11', '13', '16', '17', 'T')
7	13	0.02556	0.28057	('1', '9', '10', '12', '15', '16', 'T')
7	14	0.05111	0.85071	('4', '15', 'T')
7	15	0.07261	0.07939	('1', '2', '3', '6', '9', '10', '11', '13', '16')
7	16	0.05536	0.14339	('1', '3', '9', '10', '11', '12', '13', '15', 'T')
7	17	0.05029	0.15428	('1', '2', '3', '9', '10', '11', '12', '13', '16', 'T')
7	T	0.0064	0.42496	('1', '3', '10', '11', '13', '16')
8	9	0.0	0.45755	('1', '2', '3', '10', '11', '12', '16')
8	10	0.0	0.46905	('3', '4', '6', '7', '13', '14', '16', '17', 'T')
8	11	0.0	0.47555	('1', '2', '10', '12', '16', 'T')
8	12	0.08506	0.05499	('1', '2', '10', '11', '13', '16', '17', 'T')
8	13	0.0053	0.49535	('1', '5')
8	14	0.0	0.45595	('1', '2', '5', '7', '9', '11', '12', '13', '16')
8	15	2e-05	0.42966	('12', 'T')
8	16	0.0	0.49375	('1', '3', '4', '9', '10', '11', '12', '14', '15', '17', 'T')
8	17	0.10834	0.0214	('1', '2', '4', '5', '10', '11', '12', '13', 'T')
8	T	0.01734	0.32457	('1', '2', '3', '5', '6', '11', '12', '13', '17')
9	10	0.02197	0.28817	('7', '11', '12', '14', '16', '17')
9	11	0.02935	0.25007	('1', '7', '10', '12', '14', '16', 'T')
9	12	0.05038	0.15758	('3', '7', '10', '11', '14', '16', '17')
9	13	0.13055	0.0161	('7', '12', '14', '15', '16', '17')
9	14	0.0446	0.16818	('10', '11', '13', '16')
9	15	0.00234	0.42616	('1', '3', '7', '13', '16')
9	16	0.09093	0.0393	('1', '3', '7', '10', '11', '12', '14', '17')
9	17	0.05856	0.12379	('1', '3', '4', '7', '10', '11', '12', '13', '14', '16')
9	T	0.0	0.44556	('3', '10', '12', '15', '16', '17')
10	11	0.15709	0.0045	('3', '5', '7', '12', '13', '14', '16', '17', 'T')
10	12	0.04722	0.17308	('2', '3', '5', '7', '9', '11', '13', '14', '16', '17')
10	13	3e-05	0.43476	('1', '2', '6', '7', '9', '11', '12', '14', '15', '16', '17')
10	14	0.12244	0.021	('5', '11', '13', '16')
10	15	5e-05	0.42796	('1', '5', '12', '14', '16')
10	16	0.01892	0.33497	('1', '3', '5', '7', '9', '11', '12', '13', '14', '17')
10	17	0.18286	0.0008	('1', '2', '3', '5', '7', '11', '12', '13', '14', '16')
10	T	0.0	0.45525	('1', '3', '5', '6', '11', '12', '14', '17')
11	12	0.13242	0.0076	('1', '3', '10', '16', 'T')
11	13	3e-05	0.45415	('1', '2', '5', '10')
11	14	0.02816	0.24588	('1', '5', '10', '13', '16', 'T')
11	15	2e-05	0.44956	('1', '5', '12', '13', '14', 'T')
11	16	0.00953	0.41366	('1', '3', '5', '7', '10', '12', 'T')
11	17	0.05903	0.12399	('1', '3', '7', '10', '12', '16', 'T')
11	T	0.21982	0.0007	('1', '3', '10', '12')
12	13	0.06584	0.09759	('2', '3', '7', '9', '10', '11', '14', '16', '17')
12	14	0.0	0.46725	('1', '5', '6', '9', '10', '11', '16', '17')
12	15	0.06812	0.93801	('5', '6')
12	16	0.12186	0.0089	('1', '3', '5', '7', '9', '10', '11', '13')
12	17	0.09485	0.0343	('1', '2', '3', '10', '11', '13', '16')
12	T	0.00807	0.40966	('1', '2', '3', '11', '13', '16')
13	14	0.01566	0.31037	('1', '9', '10', '12', '16')
13	15	0.06653	0.09309	('1', '2', '3', '6', '7', '9', '16')
13	16	0.01642	0.34987	('1', '3', '7', '9', '10', '12', '14', '15')
13	17	0.01783	0.34327	('1', '2', '3', '7', '9', '10', '12', '14', '15', '16', 'T')
13	T	0.0	0.41326	('3', '4', '6', '10', '12', '14', '15', '16', '17')
14	15	0.01957	0.59874	('5', '10', '12')
14	16	0.0	0.47825	('1', '2', '3', '5', '9', '10', '11', 'T')
14	17	0.0	0.48695	('3', '5', '7', '9', '10', '11', '13', '16', 'T')
14	T	0.00915	0.51045	('1', '4', '7')
15	16	0.0	0.46595	('6', '9', '10', 'T')
15	17	0.0	0.46365	('5', '6', '7', '10', '12', '14', '16')
15	T	3e-05	0.42016	('1', '10', '11', '12', '14')
16	17	0.0124	0.39526	('1', '3', '5', '7', '9', '10', '11', '12')
16	T	0.0001	0.46945	('1', '3', '7', '10', '11')
17	T	0.01545	0.35526	('1', '3', '10', '11', '13')

Table 31: Small Island Developing States (SIDS)

Var X	Var Y	min dcor	p-value	condition
1	2	0.10375	0.0333	('3', '4', '7', '8', '13', '16')
1	3	0.02983	0.26737	('2', '13', '16')
1	4	0.06196	0.11089	('2', '5', '7', '8', '9', '11', '13', '16', '17', 'T')
1	5	0.0	0.44806	('2', '3', '4', '6', '7', '10', '12', '13', '14', '15', '16', 'T')
1	6	0.01363	0.56644	('7', '13')
1	7	0.16606	0.0039	('2', '3', '4', '5', '8', '9', '13', '16', 'T')
1	8	0.12018	0.0198	('2', '3', '4', '5', '7', '9', '13', '16', '17', 'T')
1	9	0.01195	0.37486	('7',)
1	10	0.03696	0.75932	('4', '7', '11', '12', '16', 'T')
1	11	0.0	0.44426	('3', '4', '5', '7', '9', '10', '12', '13', '15', '16', '17')
1	12	0.06222	0.90551	('7', '10', '13', '14', '15', '16')
1	13	0.07979	0.07129	('2', '7', '16', 'T')
1	14	0.0	0.45635	('2', '3', '9', '11', '12', '17')
1	15	4e-05	0.43366	('7', '9', 'T')
1	16	0.05395	0.14039	('2', '3', '4', '7', '13', '17', 'T')
1	17	0.0	0.46965	('2', '3', '4', '6', '7', '8', '10', '13', '16')
1	T	0.01009	0.37786	('3', '4', '7', '8', '11', '13', '15', '17')
2	3	0.06231	0.11729	('1', '7', '10', '12', '13', '15', '16')
2	4	0.0448	0.19008	('1', '5', '7', '8', '12', '13', '14', '15', '16', '17')
2	5	0.00284	0.44026	('1', '3', '4', '7', '8', '10', '12', '13', '15', '16')
2	6	0.03421	0.23438	('1', '10', '12', '16')
2	7	0.1088	0.0271	('1', '3', '4', '5', '8', '9', '10', '12', '13', '16', '17')
2	8	0.09429	0.0411	('1', '3', '4', '5', '7', '12', '13', '14', '15', '16', '17')
2	9	0.0012	0.47975	('1', '12', '13', '15', '16')
2	10	0.02421	0.28327	('1', '3', '7', '13', '14', '15', '16', '17')
2	11	0.03024	0.70843	('1', '13', '14', '16')
2	12	0.04532	0.17878	('3', '4', '5', '6', '7', '13', '16', 'T')
2	13	0.02071	0.30677	('1', '7', '15', '16', 'T')
2	14	0.01409	0.35546	('1', '4', '7', '8', '9', '10', '12', '15', '16', '17')
2	15	0.07551	0.08309	('1', '3', '5', '7', '8', '10', '11', '13', '14', '16', 'T')
2	16	0.09931	0.0379	('1', '3', '4', '6', '7', '12', '13', '14', '15', '17')
2	17	0.01025	0.38886	('1', '3', '4', '6', '7', '8', '10', '12', '13', '14', '15', '16')
2	T	0.01125	0.54845	('11',)
3	4	0.03143	0.71393	('14', 'T')
3	5	0.0	0.46875	('1', '2', '7', '8', '11', '14', '15', '16', '17', 'T')
3	6	0.01815	0.61584	('1', '7', '9', '10', '13', '15')
3	7	0.00043	0.47845	('1', '2', '5', '9', '10', '12', '13', '17', 'T')
3	8	0.00251	0.45875	('1', '2', '5', '9', '10', '12', '13', '15', '17', 'T')
3	9	0.03842	0.22088	('1', '2', '7', '10', '13')
3	10	0.05037	0.16568	('2', '9', '13', '15', '17')
3	11	0.01662	0.33607	('1', '9', '10', '12', '15', '16', 'T')
3	12	0.0319	0.25487	('2', '5', '6', '7', '8', '10', '11', '13', 'T')
3	13	1e-05	0.47075	('2', '9', '12', '14', '16', '17')
3	14	0.04238	0.79432	('10', '12', '13')
3	15	0.01661	0.34677	('2', '10', '13', 'T')
3	16	0.02742	0.28677	('1', '2', '10', '12', '13', '15', '17')
3	17	0.0579	0.13639	('1', '2', '6', '7', '8', '9', '10', '12', '13', '15', '16', 'T')
3	T	0.01548	0.36106	('1', '2', '7', '10', '11', '12', '13', '15', '17')
4	5	0.17098	0.0035	('1', '2', '7', '8', '9', '11', '12', '13', '14', '15', '16', '17')
4	6	0.01713	0.62084	('1', '3', '5', '7', '8', '9', '14', '15')
4	7	0.0	0.48075	('1', '2', '5', '10', '16', '17')
4	8	0.14638	0.0055	('1', '2', '5', '9', '12', '13', '14', '15', '17', 'T')
4	9	0.05316	0.14709	('1', '5', '7', '8', '10', '11', '14', '16')
4	10	0.01017	0.55514	('1', '12', '16')
4	11	0.06256	0.12089	('1', '5', '9', '12', '15', '16', 'T')
4	12	0.0416	0.20218	('2', '5', '6', '7', '8', '11', '13', '16', 'T')
4	13	0.0	0.45995	('2', '3', '6', '9', '10', '12', '14', '16')
4	14	0.06493	0.10709	('1', '2', '5', '8', '9', '15', '16', '17')
4	15	0.0	0.47005	('2', '5', '11', '12', '13', '16', '17')
4	16	0.0431	0.19178	('1', '2', '5', '11', '12', '14', '17')
4	17	0.1731	0.0021	('1', '2', '5', '7', '8', '11', '14', '16', 'T')
4	T	6e-05	0.47835	('1', '5', '7', '8', '11', '12', '13', '15', '17')
5	6	0.024	0.65833	('3', '4', '7', '8', '9', '13', '15')
5	7	0.12478	0.0173	('1', '2', '4', '8', '9', '10', '11', '13', 'T')
5	8	0.20174	0.0017	('1', '2', '4', '7', '9', '12', '13', '15', 'T')
5	9	0.0145	0.36096	('4', '7', '8', '10', '11', '13', '14')
5	10	0.0	0.45115	('1', '2', '8', '11', '12', '13', '14', '17', 'T')
5	11	0.0423	0.18168	('4', '7', '9', '12', '15', '16', 'T')
5	12	0.02402	0.29797	('2', '3', '4', '6', '7', '8', '11', '13', 'T')
5	13	0.0	0.43366	('1', '4', '10', '12', '14', '16', '17', 'T')
5	14	0.0	0.45995	('1', '2', '3', '4', '7', '8', '12', '15', '17', 'T')
5	15	0.06686	0.09829	('2', '7', '8', '10', '11', '13', '14', 'T')
5	16	0.0	0.46405	('2', '3', '7', '8', '10', '11', '12', '14', '15', 'T')
5	17	0.0	0.47795	('1', '7', '8', '9', '10', '11', '14', '15', 'T')
5	T	0.0	0.45925	('2', '3', '6', '8', '9', '10', '12', '15')
6	7	0.06677	0.91701	('1', '3', '4', '5', '8', '9', '13')
6	8	0.01347	0.56894	('1', '4', '5', '7', '13', '15', 'T')
6	9	1e-05	0.46275	('1', '5', '7', '13', '14')
6	10	0.01593	0.34057	('2', '12', '13', '15', '16', '17')
6	11	0.01781	0.32407	('T',)
6	12	0.03271	0.24268	('T',)
6	13	0.00062	0.43916	('1', '2', '10', '16', 'T')
6	14	0.0	0.45755	('4', '5', '8', '9', '10', '13', '15', '16')
6	15	0.00653	0.48895	('1', '3', '5', '7', '8', '13', '14', 'T')
6	16	0.02272	0.30337	('2', '10', '11', '12', '17')
6	17	0.02014	0.32457	('1', '2', '10', '12', '16', 'T')
6	T	0.05877	0.12619	('2', '10', '11', '12', '16', '17')
7	8	0.00012	0.47955	('1', '2', '5', '9', '10', '13', '17')
7	9	0.24552	0.0002	('1', '2', '3', '4', '5', '8', '10', '11', '13', '14')
7	10	0.0	0.47425	('2', '4', '5', '6', '9', '13', '14', '15', '16', '17')
7	11	0.0	0.46375	('1', '2', '4', '5', '9', '13', '15', '17')
7	12	0.05679	0.13629	('2', '5', '13', 'T')
7	13	0.03563	0.21838	('1', 'T')
7	14	0.0	0.47715	('4', '5', '6', '12', '13')
7	15	9e-05	0.46595	('1', '9', '16', 'T')
7	16	0.0	0.47495	('1', '2', '6', '8', '9', '14', '17', 'T')
7	17	0.07923	0.06669	('1', '2', '3', '4', '5', '8', '9', '10', '11', '13', '16', 'T')
7	T	0.02781	0.27707	('1', '5', '9', '11', '12', '13', '15', '17')
8	9	0.07511	0.08369	('1', '2', '4', '5', '7', '10', '11', '13', '14')
8	10	0.0	0.46265	('1', '2', '7', '11', '13', '14', '17')
8	11	0.0	0.45475	('2', '5', '6', '9', '10', '12', '13', '14', '15', '17', 'T')
8	12	0.03047	0.25587	('2', '4', '5', '6', '7', '11', '13', 'T')
8	13	0.0	0.44926	('3', '5', '6', '7', '9', '14', '16', 'T')
8	14	0.03869	0.21768	('1', '2', '4', '5', '9', '15', '16', '17')
8	15	0.05735	0.12019	('1', '2', '5', '10', '11', '13', '14', 'T')
8	16	0.0	0.47815	('2', '3', '4', '10', '11', '12', '13', '14', 'T')
8	17	0.20171	0.0007	('1', '2', '3', '4', '5', '7', '13', '14', '16', 'T')
8	T	0.0195	0.31937	('1', '4', '5', '7', '10', '11', '12', '13', '15', '17')
9	10	0.02389	0.29327	('3', '7', '13', '14', '15')
9	11	0.04515	0.17588	('3', '4', '5', '7', '10', '15', 'T')
9	12	0.00661	0.52545	('1', '10', '14')
9	13	0.0	0.46245	('1', '3', '5', '7', '10', '12', '14', '17', 'T')
9	14	0.11647	0.0225	('4', '7', '8', '10', '16')
9	15	0.06523	0.92211	('7', '12')
9	16	0.04329	0.79772	('2', '13', '15', 'T')
9	17	0.0	0.47945	('2', '4', '5', '6', '7', 'T')
9	T	7e-05	0.46985	('2', '12', '13', '15')
10	11	1e-05	0.45065	('1', '4', '5', '12', '16', 'T')
10	12	0.08717	0.9754	('1', '14', '15')
10	13	0.02344	0.27797	('2', '7', '15', 'T')
10	14	0.0	0.46105	('1', '3', '9', '12', '15', '16', '17', 'T')
10	15	0.07621	0.07989	('2', '3', '5', '11', '13', '14', '17', 'T')
10	16	0.0	0.46585	('1', '2', '4', '5', '6', '7', '11', '12')
10	17	0.04972	0.16228	('2', '3', '7', '13', '14', '15', '16', 'T')
10	T	0.0	0.46075	('4', '5', '9', '13', '15', '16', '17')
11	12	0.01658	0.34867	('3', '4', '5', '6', '7', '16', 'T')
11	13	0.0176	0.31427	('1', '7', '15', '16', 'T')
11	14	0.07451	0.9535	('3', '6', '7', '12', 'T')
11	15	0.08381	0.06789	('1', '5', 'T')
11	16	0.0	0.46835	('1', '3', '4', '5', '6', '7', '10', '12', '15', '17', 'T')
11	17	0.0	0.47215	('1', '4', '5', '7', '8', '9', '12', '13', '14', '15')
11	T	0.08582	0.05889	('1', '3', '4', '5', '6', '7', '9', '12', '15', '17')
12	13	0.0334	0.73463	('1', '10', '15', '16')
12	14	0.05345	0.85251	('1', '9', '10', '15', '16')
12	15	0.02869	0.69013	('1', '10', '13', '14')
12	16	0.0	0.47965	('1', '2', '3', '5', '6', '7', '8', '9', '10', '14', '17', 'T')
12	17	0.0	0.47385	('5', '7', '9', '10', '11', '14', '15', 'T')
12	T	0.10824	0.0294	('3', '4', '6', '7', '8', '11', '13')
13	14	0.03632	0.75772	('9', '12', '17')
13	15	0.06899	0.08589	('1', '2', '10', '11', 'T')
13	16	0.016	0.33917	('1', '2', 'T')
13	17	0.04325	0.79972	('12', '14', '16')
13	T	0.09923	0.0413	('1', '7', '10', '11', '15', '16')
14	15	0.05133	0.15148	('2', '5', '8', '10', '13', '16', '17', 'T')
14	16	0.04836	0.16468	('1', '2', '4', '9', '15', '17')
14	17	0.08618	0.05449	('1', '2', '4', '8', '9', '10', '15', '16')
14	T	0.0	0.45625	('2', '7', '10', '11', '13')
15	16	0.0	0.45985	('1', '4', '6', '7', '9', '11', '12', '14')
15	17	0.0	0.46445	('3', '5', '10', '11', '13', 'T')
15	T	0.04643	0.16658	('1', '3', '5', '6', '8', '10', '11', '13', '14')
16	17	0.23644	0.0003	('1', '2', '3', '4', '7', '11', '14', 'T')
16	T	0.0	0.47495	('3', '4', '6', '7', '8', '10', '11', '12', '13', '14')
17	T	0.04991	0.16188	('1', '3', '4', '6', '7', '8', '10', '11', '12', '13', '14', '15', '16')

Table 32: G20

Var X	Var Y	min dcor	p-value	condition
1	2	0.0	0.47445	('4', '6', '7', '9', '11', '13', '14', 'T')
1	3	0.0	0.47545	('6', '10', '11', '16', 'T')
1	4	0.02357	0.37446	('2', '5', '7', '9', '13', '16')
1	5	0.0	0.46555	('2', '4', '11', '14', '15')
1	6	0.02641	0.34947	('2', '7', '13', '16', 'T')
1	7	0.3236	0.0017	('2', '4', '6', '8', '9', '11', '13', '14', '16', '17')
1	8	0.18063	0.0197	('5', '6', '7', '9', '13', '16', '17')
1	9	0.0	0.49215	('2', '3', '4', '6', '7', '8', '11', '12', '13', '14')
1	10	0.0	0.45185	('2', '6', '7', '8', '11', '13', '14', '16', '17')
1	11	0.0	0.46735	('4', '6', '7', '8', '9', '10', '14', '15', '16', '17', 'T')
1	12	0.0	0.46505	('2', '3', '4', '5', '6', '10', '13', '15', '17', 'T')
1	13	0.17409	0.0309	('4', '6', '7', '10')
1	14	8e-05	0.47545	('2', '3', '5', '6', '7', '16', '17')
1	15	0.04359	0.68703	('5', '8', '10')
1	16	0.07675	0.15448	('3', '6', '7', '14')
1	17	0.0	0.47945	('3', '4', '6', '7', '8', '9', '10', '14', '16')
1	T	0.0	0.47345	('2', '5', '6', '11', '12', '13', '15')
2	3	0.06548	0.78542	('6', '13')
2	4	0.06845	0.19298	('1', '5', '7', '9', '10', '12', '13', '15', '16')
2	5	0.0	0.47405	('3', '6', '10', '11', '13')
2	6	0.12151	0.07439	('7', '12', '13', '14', 'T')
2	7	0.15348	0.037	('1', '6', '9', '10', '14')
2	8	0.0	0.47965	('3', '4', '5', '6', '13', '14', '16', '17', 'T')
2	9	0.08154	0.15528	('1', '7', '10', '12', '13', '14', '17', 'T')
2	10	0.15702	0.0395	('4', '5', '6', '7', '9', '14', '17')
2	11	0.0	0.47185	('3', '6', '7', '12', '13', '16', 'T')
2	12	0.03924	0.30307	('1', '5', '6', '9', '10', 'T')
2	13	0.0	0.45825	('1', '6', '10', '11', '16')
2	14	0.15911	0.034	('1', '5', '6', '7', '9', '17', 'T')
2	15	0.0	0.46035	('3', '4', '5', '6', '14', '16', 'T')
2	16	1e-05	0.46125	('1', '4', '10', '13', '15')
2	17	0.20544	0.008	('1', '7', '9', '10', '12', '14', '15', 'T')
2	T	0.01943	0.39456	('6', '9', '11', '12', '13', '14', '17')
3	4	0.00275	0.47775	('1', '5', '9', '10', '15', '16', 'T')
3	5	0.05316	0.23778	('4', '8', '10', '11', '12', '14', '15', '16')
3	6	4e-05	0.48725	('2', '13')
3	7	1e-05	0.45685	('4', '5', '10', 'T')
3	8	0.0	0.47925	('1', '9', '10', '11', '13', '14', '17', 'T')
3	9	0.00015	0.48915	('1', '10', '11', '12', '14', '16')
3	10	0.05665	0.23488	('1', '4', '5', '9', '11', '14', '16', '17', 'T')
3	11	0.0013	0.47065	('5', '10', '14', '16', 'T')
3	12	0.0	0.48465	('1', '6', '8', '9', '11', '13', '16', '17', 'T')
3	13	0.05622	0.75942	('5', '14', '16', 'T')
3	14	0.00602	0.44656	('1', '5', '9', '10', '16', 'T')
3	15	0.06596	0.18888	('11', '14', '16', 'T')
3	16	0.20913	0.0085	('5', '10', '11', '14', '15', 'T')
3	17	0.0	0.49105	('1', '2', '5', '9', '11', '13', '14', '16')
3	T	0.01263	0.42836	('1', '5', '9', '11', '14', '16')
4	5	0.08373	0.14809	('2', '3', '8', '10', '11', '12', '13', '15', '16')
4	6	3e-05	0.47635	('3', '5', '10', '12', '13')
4	7	0.0	0.47125	('1', '2', '5', '10', '11', '12', '15', '17', 'T')
4	8	0.0	0.48615	('1', '2', '5', '7', '9', '12', '15', 'T')
4	9	0.07286	0.18318	('1', '2', '5', '10', '12', '13', '16', 'T')
4	10	0.06948	0.19478	('2', '5', '9', '16')
4	11	0.0	0.48595	('2', '5', '7', '9', '10', '13', '15', '16', 'T')
4	12	1e-05	0.49625	('5', '9', '10', '16')
4	13	0.0407	0.28857	('1', '2', '10')
4	14	0.0	0.48595	('1', '2', '5', '6', '7', '10', '15', '17', 'T')
4	15	0.065	0.20398	('2', '13', '16')
4	16	0.09733	0.11589	('3', '5', '7', '9', '15')
4	17	0.0	0.48655	('1', '2', '5', '7', '8', '9', '10', '12', 'T')
4	T	1e-05	0.48675	('2', '7')
5	6	0.0	0.46975	('2', '4', '13', '14', '16', '17')
5	7	4e-05	0.47225	('6', '10', '15', '17')
5	8	0.16389	0.0298	('1', '3', '4', '11', '12', '14')
5	9	0.0	0.49145	('1', '6', '11', '15', '17')
5	10	1e-05	0.46225	('1', '2', '3', '4', '6', '7', '9', '12', '13', '14', '16')
5	11	0.04242	0.28557	('3', '4', '6', '7', '8', '12', '16', 'T')
5	12	0.02184	0.37376	('2', '3', '4', '6', '8', '11')
5	13	0.00851	0.41606	('4', '6', '7', '8', '10')
5	14	0.0	0.47215	('7', '8', '9', '10', '11', '12', '13', '15', '16', '17', 'T')
5	15	0.04543	0.68433	('13', '16', '17', 'T')
5	16	0.0	0.46715	('1', '2', '8', '10', '11', '12', '13', '14', '15', 'T')
5	17	0.00081	0.48185	('7', '10', '13', '15', 'T')
5	T	0.0	0.47375	('1', '2', '4', '13', '14', '15', '17')
6	7	0.34148	0.0005	('1', '2', '11', '13', '14', 'T')
6	8	1e-05	0.47475	('4', '7', '10', '11', '12', '13', '14', '17', 'T')
6	9	0.0	0.49035	('1', '3', '4', '7', '10', '11', '12', '15', '17', 'T')
6	10	0.0	0.46715	('1', '5', '7', '9', '11', '12', '14', '15', '16', '17')
6	11	0.04892	0.26187	('5', '7', '12', '14', '15', '16', 'T')
6	12	0.1417	0.0448	('1', '2', '5', '7', '9', 'T')
6	13	0.00059	0.44466	('1', '7', '10')
6	14	0.06664	0.19558	('2', '7', 'T')
6	15	0.14693	0.05039	('2', '11', '13', '14', '16', 'T')
6	16	0.0	0.46805	('1', '2', '3', '5', '7', '11', '12', '13', '15', 'T')
6	17	2e-05	0.48605	('1', '5', '7', '10', '11', '12', '14')
6	T	0.18148	0.0218	('2', '7', '11', '12', '13', '14', '16', '17')
7	8	1e-05	0.48215	('1', '2', '6', '9', '12', '13', '16', '17', 'T')
7	9	0.14766	0.0426	('1', '2', '11', '12', '13', '14', '16', '17')
7	10	0.13508	0.06489	('2', '4', '6', '9', '11', '14', '17')
7	11	0.07678	0.16238	('1', '5', '6', '9', '10', '14', '16', 'T')
7	12	0.0	0.47385	('2', '8', '9', '10', '13', '14', '16', '17')
7	13	0.01672	0.37396	('1',)
7	14	0.18784	0.0194	('1', '2', '5', '6', '9', '11', '16', '17')
7	15	0.0	0.44636	('1', '11', '13', '14')
7	16	0.02623	0.33487	('3', '6', '11', '14')
7	17	0.07674	0.15988	('1', '2', '6', '9', '10', '11', '14')
7	T	0.0	0.47825	('1', '2', '3', '6', '8', '9', '12', '13', '15', '16')
8	9	0.12446	0.06489	('1', '5', '7', '12', '17', 'T')
8	10	0.04772	0.26677	('1', '2', '5', '7', '9', '16', '17')
8	11	0.0	0.47325	('1', '2', '3', '4', '6', '9', '12', '13', '16', 'T')
8	12	0.06624	0.20378	('1', '5', '6', '9', '16', '17')
8	13	0.0	0.45435	('1', '3', '5', '6', '9', '10', '11', '12', '15', '16', '17', 'T')
8	14	0.0	0.48115	('1', '2', '4', '5', '6', '7', '9', '10', '11', '12', '16', '17', 'T')
8	15	0.00435	0.42736	('1', '5', '10', 'T')
8	16	0.0	0.46895	('1', '2', '3', '5', '7', '10', '12', '13', '14', 'T')
8	17	0.22462	0.0045	('1', '5', '7', '9', '10', '12', '14', 'T')
8	T	0.0173	0.39766	('1', '5', '6', '9', '11', '16', '17')
9	10	5e-05	0.48135	('1', '2', '3', '7', '12', '14', '17', 'T')
9	11	0.0	0.48405	('2', '4', '5', '6', '7', '10', '16', '17', 'T')
9	12	0.16153	0.0312	('1', '2', '4', '5', '6', '7', '8', '11', '14', '17', 'T')
9	13	0.0	0.45955	('2', '3', '4', '5', '7', '8', '12', '16', 'T')
9	14	0.02693	0.35476	('1', '2', '5', '7', '12', '16', '17', 'T')
9	15	0.0	0.46775	('3', '5', '8', '11', '12', '13', 'T')
9	16	0.0	0.47675	('1', '2', '3', '7', '8', '10', '11', '12', '15', '17', 'T')
9	17	0.23747	0.0032	('1', '2', '7', '10', '12', '14', 'T')
9	T	0.05339	0.24618	('1', '2', '3', '6', '11', '12', '13', '14', '17')
10	11	0.00257	0.43536	('2', '3', '4', '5', '6', '7', '16', '17', 'T')
10	12	0.0	0.47455	('5', '6', '11', '13', '16', '17', 'T')
10	13	0.01287	0.35736	('1', '2', '7')
10	14	0.00041	0.47005	('1', '2', '5', '7', '16', '17', 'T')
10	15	0.02499	0.51935	('1',)
10	16	0.0	0.46845	('3', '4', '6', '7', '8', '9', '13', '14', '15', 'T')
10	17	0.16061	0.0327	('2', '3', '7', '9', '14')
10	T	2e-05	0.45925	('1', '2', '4', '9', '13', '15')
11	12	0.0	0.47495	('4', '5', '6', '7', '8', '9', '13', '15', 'T')
11	13	0.00613	0.49025	('3', '5', '14', '16', 'T')
11	14	0.00027	0.46675	('1', '2', '3', '5', '6', '7', '16', '17')
11	15	0.05416	0.21718	('3', '6', '16', 'T')
11	16	0.05401	0.22668	('3', '5', '7', '14', '15', '16')
11	17	1e-05	0.49055	('1', '5', '6', '7', '9', '12', '14', '15', '16')
11	T	0.11464	0.08129	('3', '5', '6', '9', '14', '16')
12	13	0.0	0.44326	('3', '14', '16')
12	14	0.0	0.47975	('1', '2', '4', '5', '9', '10', '13', '15', '16', '17', 'T')
12	15	0.0	0.45055	('1', '2', '9', '10', '14', '16', 'T')
12	16	0.0	0.46915	('3', '5', '6', '7', '11', '15', '17')
12	17	0.02122	0.38536	('1', '2', '5', '6', '9', '10', '14', 'T')
12	T	0.00596	0.45285	('2', '5', '6', '9', '14')
13	14	0.07102	0.82502	('3', '5', '11', '16', '17', 'T')
13	15	0.0	0.41246	('1', '2', '3', '4', '6', '7', '11', '14', '16', 'T')
13	16	0.0	0.44506	('3', '9', '11', '12', '14')
13	17	5e-05	0.47885	('2', '3', '9', '10', '11', '14', '15', '16')
13	T	0.00313	0.47905	('3', '11', '14')
14	15	0.0	0.44256	('1', '2', '6', '9', '10', '11', '12', '16', '17', 'T')
14	16	0.03632	0.29927	('3', '7', 'T')
14	17	0.27993	0.002	('1', '2', '5', '7', '9', '10', '15', 'T')
14	T	0.04633	0.26527	('2', '5', '6', '9', '11', '16', '17')
15	16	0.09395	0.12049	('3', '6', '11', '14')
15	17	0.02433	0.34487	('2', '3', '4', '5', '7', '9', '10', '13')
15	T	0.0	0.43856	('3', '4', '6', '7', '9', '10', '13')
16	17	1e-05	0.47355	('1', '6')
16	T	0.0	0.45965	('2', '4', '7', '8', '17')
17	T	0.07581	0.17178	('2', '3', '6', '9', '11', '14')

Table 33: OPEC

Var X	Var Y	min dcor	p-value	condition
1	2	0.0245	0.40016	('4', '7', '10', '13', 'T')
1	3	3e-05	0.48495	('2', '10', '13', '17')
1	4	0.22158	0.0411	('5', '7', '11', '13', '14', '16')
1	5	0.0865	0.22928	('4', '8', '16', '17')
1	6	0.00756	0.49125	('4', '15', 'T')
1	7	0.0	0.47905	('6', '8', '10', '11', '13', '15', '16', '17')
1	8	0.0	0.48015	('4', '5', '10', '11', '15', '16', '17', 'T')
1	9	0.07338	0.71323	('5', '8', '13', '16', '17', 'T')
1	10	0.05068	0.32297	('2', '12', '14', '16', '17')
1	11	1e-05	0.48925	('2', '3', '4', '7', '12', '15', '16', '17')
1	12	1e-05	0.47695	('4', '5', '7', '10', '11', '13', '14', '16', 'T')
1	13	0.0	0.43196	('2', '6', '7', '11', '15', '16', 'T')
1	14	0.02129	0.39176	('2', '4', '5', '9', '10', '16', '17')
1	15	0.04622	0.60734	('T',)
1	16	5e-05	0.49125	('2', '4', '5', '11', '13')
1	17	0.37091	0.0054	('5', '7', '10', '11', '12', '13', '14')
1	T	0.06976	0.69573	('4', '5', '6', '10', '14', '16', '17')
2	3	0.04935	0.33817	('1', '4', '6', '7', '11', '15', '16', 'T')
2	4	0.01414	0.44646	('1', '3', '7', '13', '16')
2	5	0.05799	0.66393	('6', '7', '9', '10', '11', '13', '15', 'T')
2	6	0.17189	0.08909	('1', '7', '13')
2	7	0.00924	0.45595	('6', '13', '15', 'T')
2	8	0.07493	0.71223	('5', '12')
2	9	0.01183	0.44286	('4', '7', '10', '13', '15')
2	10	1e-05	0.47475	('1', '6', '7', '9', '13', '15', 'T')
2	11	0.0	0.48685	('4', '7', '9', '10', '12', '14', '15', '16')
2	12	0.12155	0.84382	('5', '8', '9', '14', '16', '17', 'T')
2	13	0.0121	0.41916	('4', '6', '10', '15')
2	14	0.0532	0.64114	('5', '9', '12', '16', '17')
2	15	0.087	0.23418	('7', '13', 'T')
2	16	3e-05	0.49145	('6', '9', '15')
2	17	0.05142	0.64704	('1', '12')
2	T	6e-05	0.46755	('1', '3', '7', '13', '15')
3	4	0.21516	0.0434	('1', '2', '5', '7', '8', '9', '11', '12', '13', '14', '16', 'T')
3	5	0.0	0.48505	('2', '6', '7', '8', '9', '10', '13', '14', '15', '16', '17')
3	6	0.0	0.49205	('2', '4', '7', '8', '12', '13', '14', '16')
3	7	0.0	0.47635	('2', '4', '6', '10', '11', '15')
3	8	0.12706	0.14259	('4', '5', '11', '12', '16', 'T')
3	9	0.0	0.48585	('2', '4', '5', '7', '11', '13', '14', '16')
3	10	0.0293	0.57274	('4', '11', '16', 'T')
3	11	0.11744	0.17268	('4', '7', '16', 'T')
3	12	0.17509	0.08739	('4', '6', '7', '11', '13', '16', 'T')
3	13	0.04336	0.34557	('2', '4', '6', '11', '12', '14', '16', 'T')
3	14	0.0	0.47525	('1', '2', '6', '8', '9', '10', '13', '15', '16', '17', 'T')
3	15	0.0	0.47565	('1', '2', '4', '7', '9', '10', '13', '14', 'T')
3	16	0.12724	0.15378	('2', '4', '5', '11', '12')
3	17	0.03759	0.59364	('1', '10')
3	T	0.05377	0.32427	('2', '11', '12', '15', '16')
4	5	0.16817	0.09709	('1', '3', '8', '9', '14', '16')
4	6	1e-05	0.48005	('10', '12', '13', '15', '17', 'T')
4	7	0.0	0.47795	('2', '3', '6', '9', '12', '13', '14', '15', '16', 'T')
4	8	0.01777	0.44296	('1', '3', '5', '11')
4	9	0.06899	0.29147	('1', '11', '14')
4	10	0.11322	0.81642	('3', '5', '11', '16', 'T')
4	11	0.11043	0.18798	('1', '3', '5', '7', '9', '13', '16', 'T')
4	12	0.0	0.48095	('2', '3', '5', '8', '11', '13', '17', 'T')
4	13	0.01138	0.44026	('1', '2', '3', '11', '12', '14')
4	14	0.20887	0.06109	('1', '5', '9', '12', '13', '16')
4	15	0.0	0.47935	('1', '2', '6', '7', '8', '9', '12')
4	16	0.00157	0.49935	('2', '3', '5', '11', '13', '14', 'T')
4	17	0.0	0.47565	('3', '5', '11', '13', '15', '16')
4	T	0.00047	0.48295	('1', '5', '13', '14', '16')
5	6	0.0	0.46445	('3', '4', '11', '12', '14', '15', '17')
5	7	0.16003	0.91241	('2', '10', '11', '12', '15', 'T')
5	8	0.33447	0.007	('1', '3', '4', '16')
5	9	5e-05	0.48745	('1', '8', '13')
5	10	0.10195	0.79482	('3', '4', '8', '16', 'T')
5	11	0.06092	0.66443	('7', '13', '16', 'T')
5	12	0.0	0.47685	('1', '2', '7', '10', '11', '13', '15', '16', 'T')
5	13	0.04611	0.62474	('2', '6', '7', '10', '11', '14', '15', 'T')
5	14	0.0	0.43556	('6', '7', '9', '11', '13', '15', '17', 'T')
5	15	0.03133	0.56364	('7', 'T')
5	16	0.11961	0.16468	('1', '3', '4', '8', '11')
5	17	0.0	0.46655	('2', '3', '6', '7', '10', '11', '12', '13', '14')
5	T	0.0483	0.62644	('2', '7', '15')
6	7	0.19388	0.06279	('2', '12', '13')
6	8	0.06556	0.29267	('5', '7', '13', '16')
6	9	0.0	0.48705	('1', '2', '5', '7', '8', '10', '12', '13', '16', '17')
6	10	0.0002	0.47055	('2', '7', '11', '12', '13', '14')
6	11	1e-05	0.47955	('2', '5', '10', '14', '15', '16', 'T')
6	12	0.09014	0.22708	('3', '7', '10', '13', '14', '16')
6	13	0.15355	0.10219	('2', '7', '10', '12', '14', '16')
6	14	0.08096	0.23568	('1', '2', '4', '7', '10', '12', '13', '16')
6	15	0.03414	0.56854	('T',)
6	16	0.00011	0.48675	('2', '5', '11', '12', '13', '14')
6	17	0.03548	0.36596	('1', '2', '7', '10', '12', '13', '14')
6	T	0.10081	0.78302	('1', '2', '5', '10', '14', '16')
7	8	0.0	0.48685	('1', '2', '6', '9', '10', '12', '13', '14', '17', 'T')
7	9	0.0	0.48705	('3', '5', '6', '8', '10', '11', '13', '15', '16')
7	10	0.02368	0.40596	('1', '2', '6', '12', '13', '15', '17', 'T')
7	11	0.12271	0.16228	('1', '3', '10', '13', '15', '16', 'T')
7	12	0.10872	0.17768	('1', '6', '10', '13', '15', 'T')
7	13	0.0	0.46005	('2', '3', '4', '9', '12', '14', '15', 'T')
7	14	0.02114	0.52265	('11', 'T')
7	15	0.2144	0.05499	('T',)
7	16	4e-05	0.50125	('2', '9', '10', '11', '13', '15', '17', 'T')
7	17	0.10058	0.19928	('1', '6', '10', '11', '12', '13', '15', 'T')
7	T	0.15259	0.12349	('11', '12', '15')
8	9	0.07342	0.72013	('1', '5', '13', '16')
8	10	1e-05	0.47465	('1', '4', '5', 'T')
8	11	0.03272	0.39496	('3', '4', '5', '7', '16')
8	12	0.0	0.48415	('4', '6', '9', '11', '15', '16', '17', 'T')
8	13	0.00056	0.49505	('5', '16', 'T')
8	14	0.0	0.46005	('3', '5', '7', '10', '11', '13', '15', 'T')
8	15	0.11467	0.81442	('1', '5', '16')
8	16	1e-05	0.49985	('1', '3', '5', '11')
8	17	0.11435	0.18258	('1', '5', '6', '7', '11', '12')
8	T	1e-05	0.47365	('1', '2', '5', '6', '10', '11')
9	10	0.0	0.48685	('1', '2', '4', '7', '11', '16', '17', 'T')
9	11	0.03946	0.37116	('3', '4', '15')
9	12	0.0	0.48135	('2', '7', '10', '11', '13', '16', 'T')
9	13	1e-05	0.47505	('3', '5', '10', '11', '12', '14', '15')
9	14	0.21309	0.05389	('4', '10', '13', 'T')
9	15	0.0506	0.31667	('7', '11', '14', 'T')
9	16	0.06383	0.69223	('2', '10', '14', '15')
9	17	0.0	0.47565	('1', '6', '8', '10', '12', '13', '16')
9	T	0.0	0.46595	('2', '3', '4', '5', '6', '11', '12', '14')
10	11	0.02492	0.55834	('3', '4', '16', 'T')
10	12	0.0781	0.25057	('6', '7', '13', '14', '17', 'T')
10	13	0.08062	0.23458	('2', '12', '14')
10	14	0.09025	0.20438	('1', '6', '9', '12', '16', '17')
10	15	0.0	0.45655	('1', '2', '3', '6', '9', '17')
10	16	0.02601	0.56574	('3', '4', '5', '11')
10	17	0.22284	0.0449	('1', '7', '12', '14')
10	T	0.04465	0.60364	('1', '5', '6', '9', '14', '16', '17')
11	12	9e-05	0.47985	('1', '5', '6', '10', '13', '14', '15', '16')
11	13	1e-05	0.47535	('5', '10', '14')
11	14	0.17538	0.93221	('5', '6', '10')
11	15	0.02421	0.39846	('7', '13', '16', 'T')
11	16	0.19778	0.05639	('3', '4')
11	17	0.0	0.47095	('1', '3', '4', '5', '8', '9', '10', '16', 'T')
11	T	4e-05	0.48055	('1', '2', '3', '7', '9', '12', '13', '15')
12	13	0.028	0.37266	('3', '6', '7', '10', '14', 'T')
12	14	0.0068	0.43586	('1', '3', '4', '6', '9', '10', '13', '15', '16', '17', 'T')
12	15	0.01893	0.40906	('7', 'T')
12	16	0.0	0.48985	('6', '8', '11', '13')
12	17	0.18675	0.06429	('1', '6', '7', '10', '11', '13', '14', 'T')
12	T	0.07627	0.26607	('3', '7', '13', '15')
13	14	0.11304	0.15758	('4', '6', '9', '10', '12')
13	15	0.0	0.39586	('5', '7', '8', '9', '11', '17')
13	16	3e-05	0.48365	('2', '10', '12', '15')
13	17	0.0	0.44516	('1', '2', '3', '4', '6', '7', '11', '12', '14', '16')
13	T	1e-05	0.42366	('1', '2', '5', '6', '10', '14')
14	15	5e-05	0.40896	('4', '7', '9', '11', '13', 'T')
14	16	1e-05	0.49555	('1', '3', '4', '5', '9', '11', '12')
14	17	0.10651	0.15978	('1', '4', '6', '10', '12', '13', '15')
14	T	0.00697	0.46515	('1', '4', '5', '6', '9', '10', '16')
15	16	0.20863	0.9564	('T',)
15	17	2e-05	0.45065	('1', '2', '7', '11', '12', '13', 'T')
15	T	0.39978	0.0057	('7',)
16	17	0.0001	0.49495	('7', '10', '13', '15', 'T')
16	T	0.02832	0.57964	('15',)
17	T	0.00028	0.45105	('5', '6', '10', '11', '13', '14', '16')

Table 34: Low Income

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.0	0.48755	('3', '5', '9', '10', '11', '15', '16')
1	3	0.06634	0.11729	('2', '4', '6', '10', '12', '13', '14', '15', '16', '17')
1	4	0.05423	0.15308	('3', '6', '7', '8', '10', '11', '14', '15', '16', '17')
1	5	0.0	0.47705	('3', '4', '7', '10', '12', '16', '17')
1	6	0.0	0.48565	('2', '3', '4', '7', '11', '13', '15', '17')
1	7	0.0	0.47755	('2', '3', '4', '5', '9', '12', '13')
1	8	0.14846	0.0071	('3', '4', '5', '12', '13', '16', '17')
1	9	0.00657	0.53185	('3', '6', '8', '11', '15', 'T')
1	10	0.031	0.27747	('3', '4', '13', '14', '16', '17')
1	11	0.0	0.48185	('3', '6', '7', '12', '13', '14', '15', '16', 'T')
1	12	0.00556	0.45165	('2', '3', '8', '9', '11', '13', '14', '15', '16', '17', 'T')
1	13	1e-05	0.47605	('3', '6', '7', '8', '9', '10', '12', '16', '17', 'T')
1	14	0.03921	0.22438	('3', '4', '5', '10', '12', '16', '17')
1	15	0.03691	0.23118	('3', '4', '16')
1	16	0.08164	0.06589	('3', '5', '10', '12', '14', '15', '17')
1	17	0.07455	0.08629	('2', '3', '4', '7', '8', '9', '10', '11', '12', '13', '14', '16')
1	T	5e-05	0.47435	('2', '4', '5', '8', '10', '13', '14')
2	3	0.10909	0.0222	('1', '6', '7', '10', '11', '12', '14', '15', '16', '17', 'T')
2	4	0.01803	0.61834	('10', '12', '13')
2	5	0.0	0.48565	('3', '6', '8', '9', '10', '11', '12', '14', '15')
2	6	0.04305	0.20058	('3', '7', '11', '15', '17')
2	7	0.01073	0.40636	('3', '6', '9', '10', '16', '17', 'T')
2	8	0.00165	0.48615	('3', '6', '7', '10', '14', '15', '16', 'T')
2	9	0.03223	0.25717	('3', '7', '10', '12', '17')
2	10	0.03944	0.21768	('3', '9', '11', '14', '17')
2	11	0.02103	0.33747	('3', '5', '6', '10', '12', '14', '15', '17', 'T')
2	12	0.02235	0.32377	('3', '9', '11', '16', '17', 'T')
2	13	0.02927	0.27257	('3', '6', '7', '9', '10', '17', 'T')
2	14	0.02292	0.31417	('3', '5', '9', '10', '11', '12', '16', '17')
2	15	0.02523	0.29157	('3', '4', '11', '12', '16')
2	16	0.0011	0.47155	('3', '7', '10', '12', '14')
2	17	0.08818	0.05429	('3', '7', '9', '10', '11', '12', '14', '16')
2	T	0.01873	0.61734	('1', '10', '14')
3	4	0.012	0.38806	('1', '7', '10', '12', '14', '15', '16')
3	5	0.0	0.47325	('1', '6', '7', '12', '13', '14', '15', '16', '17')
3	6	0.0917	0.0495	('1', '2', '11', '16')
3	7	0.0099	0.40546	('1', '2', '4', '6', '10', '12', '13', '15', '16', '17', 'T')
3	8	0.01098	0.55164	('2', '6', '7', '10', '14', '15', '16', 'T')
3	9	0.01452	0.58524	('1', '6', '11', '15', '16', 'T')
3	10	0.08701	0.05869	('1', '2', '12', '13', '14', '16')
3	11	9e-05	0.48085	('1', '10', '13')
3	12	0.09857	0.0408	('1', '2', '10', '11', '13', '14', '15', '16', '17', 'T')
3	13	0.02252	0.64334	('2', '4', '11', '14', '15', '16', 'T')
3	14	0.03673	0.22918	('1', '2', '10', '12', '16')
3	15	0.04436	0.19468	('1', '2', '4', '12', '16', 'T')
3	16	0.10499	0.0315	('1', '2', '10', '12', '14', 'T')
3	17	4e-05	0.48045	('1', '2', '7', '10', '11', '12', '13', '14', '16')
3	T	0.01819	0.33917	('1', '2', '7', '11', '12', '16')
4	5	0.0	0.46735	('3', '6', '7', '8', '11', '12', '13', '15', '16')
4	6	0.03233	0.25667	('1', '3', '7', '11', '15', '17')
4	7	0.06014	0.12949	('1', '3', '11', '15', '16', '17')
4	8	0.09621	0.048	('1', '5', '11', '15', '17')
4	9	0.0	0.47995	('1', '2', '7', '8', '10', '11', '15', 'T')
4	10	0.0	0.47105	('1', '2', '5', '7', '8', '15', '16', 'T')
4	11	0.04105	0.21178	('5', '6', '7', '12', '14', '15', '17', 'T')
4	12	0.0	0.47955	('5', '9', '10', '15', '16')
4	13	0.00904	0.52855	('1', '11', '14', '15')
4	14	0.04409	0.18808	('1', '3', '5', '10', '11', '15', '16', '17')
4	15	0.14279	0.0132	('1', '2', '3', '5', '6', '7', '11', '16')
4	16	0.0	0.48625	('1', '2', '3', '6', '8', '10', '12', '13')
4	17	0.0559	0.14629	('1', '6', '7', '8', '9', '10', '11', '12', '14', '15', '16')
4	T	0.00495	0.51445	('1', '2', '8', '10', '14', '15')
5	6	0.02421	0.65313	('8', '9', '13', '14', '15', 'T')
5	7	0.03118	0.70733	('6', '10', '12', '13', '17')
5	8	0.09904	0.043	('6', '7', '10', '13', 'T')
5	9	0.01106	0.38096	('2', '4', '7', '8', '14', '15', '16', '17')
5	10	0.03509	0.73563	('1', '3', '7', '12', '13', '17')
5	11	0.01767	0.35566	('2', '4', '6', '8', '12', '14', '15', 'T')
5	12	0.04342	0.79002	('3', '6', '10', '13', '17', 'T')
5	13	0.00512	0.41226	('1', '2', '7', '8', '9', '16', 'T')
5	14	0.02734	0.26857	('6', '7', '12', '13', 'T')
5	15	0.03291	0.22958	('10', '13', 'T')
5	16	0.01723	0.35436	('1', '2', '3', '7', '8', '10', '11', '12', '14', '15', 'T')
5	17	0.00969	0.54315	('1', '7', '10', '12', '13')
5	T	0.03557	0.24258	('3', '7', '8', '9', '11', '12', '15', '16')
6	7	0.00792	0.40876	('2', '3', '4', '11', '16', '17', 'T')
6	8	0.05937	0.88271	('1', '5', '10', '12', '13', '14')
6	9	0.03496	0.74053	('10', '12', '13', '14')
6	10	0.00268	0.48015	('9', '13', '14')
6	11	0.0583	0.13709	('2', '3', '4', '17', 'T')
6	12	0.0244	0.66133	('9', '13', '14', 'T')
6	13	0.00768	0.40246	('2', '3', '7', '10', '17', 'T')
6	14	0.06372	0.90761	('5', '10', '12')
6	15	0.0	0.44066	('1', '3', '4', '11', '16')
6	16	0.01424	0.37446	('1', '3', '7', '11')
6	17	0.03528	0.23978	('1', '2', '3', '4', '7', '10', '11', '16')
6	T	0.0	0.45505	('3', '7', '10', '11', '12', '13', '15', '17')
7	8	0.00402	0.49895	('1', '5', '12')
7	9	0.0851	0.06759	('2', '10', '13', '16', '17')
7	10	0.0	0.46775	('1', '2', '3', '4', '6', '11', '12', '15', '17', 'T')
7	11	0.0	0.47675	('2', '3', '5', '12', '16')
7	12	0.03746	0.75092	('11', '14')
7	13	0.04614	0.18588	('2', '6', '9', '10', '16', '17', 'T')
7	14	0.04481	0.79682	('6', '9', '13', '15', 'T')
7	15	0.00292	0.48365	('9', '10', '13', '14', '17', 'T')
7	16	0.02477	0.31347	('3', '10', '14', '17', 'T')
7	17	0.16456	0.0036	('1', '2', '4', '9', '13', '16', 'T')
7	T	0.07945	0.07639	('3', '9', '11', '12', '13', '15', '16', '17')
8	9	0.0	0.45445	('5', '10', '12', '13', '14', '16', 'T')
8	10	0.0	0.46105	('2', '3', '6', '7', '11', '12', '13', '14', '15', '16')
8	11	0.0	0.45955	('1', '2', '4', '5', '7', '10', '14', '15', 'T')
8	12	2e-05	0.47455	('5', '11', '13', '16', '17', 'T')
8	13	0.02897	0.24838	('1', '5', '7', '9', '10', '17', 'T')
8	14	0.00562	0.49025	('1', '13', 'T')
8	15	0.04835	0.83112	('10', '13', '14', '17', 'T')
8	16	0.00335	0.50695	('3', '6', '7', '10', '14', '15', 'T')
8	17	0.17957	0.0029	('1', '4', '5', '7', '10', '12', '13')
8	T	0.02288	0.64504	('6', '7', '11', '12', '13', '15', '16')
9	10	0.08422	0.06639	('1', '2', '7', '12', '13', '14', '16', '17')
9	11	0.04055	0.76812	('5', '6', '16', 'T')
9	12	0.09805	0.0409	('1', '2', '13', '16', '17', 'T')
9	13	0.07559	0.07939	('1', '2', '7', '10', '12')
9	14	0.0132	0.35116	('2', '5', '10', '12', '16', '17')
9	15	0.0277	0.66893	('7', '10', '12', '13', '14')
9	16	0.00389	0.50835	('3', '11', '15', 'T')
9	17	0.13916	0.0106	('1', '2', '7', '10', '12', '13', '14')
9	T	0.0	0.46525	('1', '2', '5', '7', '10', '16', '17')
10	11	0.0	0.47695	('1', '2', '3', '4', '9', '12', '13', '16', '17')
10	12	0.0	0.47335	('4', '5', '8', '11', '17', 'T')
10	13	0.05313	0.15138	('2', '7', '9', '16', '17', 'T')
10	14	0.10911	0.0382	('2', '3', '4', '9', '11', '16', '17')
10	15	0.04384	0.79982	('9', '13', '14', '17', 'T')
10	16	0.10151	0.0387	('1', '2', '3', '12', '14', '17')
10	17	0.14924	0.0086	('1', '2', '7', '9', '11', '12', '13', '14', '16')
10	T	0.0226	0.63134	('1', '2', '13', '14')
11	12	0.10858	0.0295	('T',)
11	13	0.00235	0.47495	('3', '4', '5', '6', '14', '15', 'T')
11	14	0.00943	0.39286	('2', '4', '5', '10', '12', '16', '17', 'T')
11	15	0.0	0.45345	('2', '3', '4', '6', '7', '13', '14', '16', '17')
11	16	0.0	0.49225	('1', '4', '5', '8', '9', '10', '12', '13', '14', '15')
11	17	0.04354	0.19808	('2', '4', '6', '7', '10', '12', '14', 'T')
11	T	0.11688	0.0251	('12',)
12	13	0.01182	0.38116	('2', '7', '9', '11', '16', '17', 'T')
12	14	0.02421	0.30767	('2', '3', '9', '10', '11', '16', '17')
12	15	0.0	0.45905	('1', '2', '3', '7', '8', '13', '16', 'T')
12	16	0.06224	0.12099	('2', '3', '10', '11', '14', '17', 'T')
12	17	0.17476	0.0014	('1', '2', '9', '11', '13', '14', '16', 'T')
12	T	0.18733	0.0007	('3', '5', '7', '11', '13', '15', '16', '17')
13	14	0.02499	0.65283	('3', '4', '5', '10', '11')
13	15	0.02806	0.67243	('3', '4', 'T')
13	16	0.00208	0.45645	('1', '2', '7', '10', '12', 'T')
13	17	0.01774	0.33457	('1', '2', '7', '9', '10', '12', '16', 'T')
13	T	0.00783	0.38746	('7', '9', '11', '12', '16')
14	15	0.03814	0.76322	('10',)
14	16	0.08146	0.07209	('2', '3', '5', '10', '12', '17')
14	17	0.06296	0.12249	('1', '2', '4', '9', '10', '11', '12', '16')
14	T	0.05491	0.86771	('6', '7', '12', '13', '15')
15	16	0.00069	0.48015	('10', '14')
15	17	0.01043	0.54395	('7', '8', '9', '10', '11', '12', '13', '14', '16')
15	T	0.00537	0.39966	('1', '3', '4', '5', '7', '11', '12', '16')
16	17	0.03674	0.23618	('1', '2', '7', '10', '12', '14')
16	T	0.01647	0.36366	('3', '5', '7', '11', '12')
17	T	0.0	0.46685	('7', '10', '11', '12', '14', '15', '16')

Table 35: Lower middle Income

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.03398	0.85841	('5', '9', '12', '13', '14', '17', 'T')
1	3	0.0134	0.32167	('4', '7', '8', '9', '11', '12', '14', '15', '16', '17', 'T')
1	4	0.07507	0.02	('3', '5', '7', '8', '9', '11', '12', '13', '17')
1	5	0.01963	0.25067	('4', '8', '13', '14', '16')
1	6	0.02628	0.18768	('9', '11', '12', '13', '14', '16')
1	7	0.01314	0.31857	('2', '3', '4', '8', '9', '11', '12', '16', '17', 'T')
1	8	0.16435	0.0003	('4', '5', '10', '11', '12', '16')
1	9	0.03974	0.10569	('3', '4', '6', '7', '8', '11', '12', '13', '14', '15', '16', '17', 'T')
1	10	0.0	0.46005	('2', '3', '5', '7', '13', '15', '17')
1	11	0.03611	0.12129	('3', '4', '7', '8', '12', '16', '17', 'T')
1	12	0.07601	0.0155	('3', '4', '6', '7', '8', '9', '11', '16', '17', 'T')
1	13	0.00298	0.49705	('10', '12', '14', '16', 'T')
1	14	0.03164	0.14969	('3', '5', '6', '7', '8', '9', '11', '15', '17', 'T')
1	15	0.02204	0.74643	('7', '8', '16')
1	16	0.09978	0.0023	('5', '7', '8', '9', '11', '12', '17')
1	17	0.0511	0.06349	('3', '4', '7', '8', '9', '10', '11', '12', '14', '16', 'T')
1	T	0.00795	0.56534	('2', '10', '13', '15')
2	3	0.0	0.49005	('4', '8', '9', '10', '11', '12', '13', '14', '15')
2	4	0.0532	0.05289	('3', '7', '8', '10', '11')
2	5	2e-05	0.48425	('3', '6', '7', '10')
2	6	0.01349	0.31437	('7', '10', '12', '14')
2	7	0.06781	0.022	('4', '9', '10', '12', '16')
2	8	0.03993	0.10449	('1', '4', '5', '7', '10', '12', '16')
2	9	0.0	0.48655	('1', '5', '11', '13', '14', '16')
2	10	0.03143	0.15638	('4', '7', '8', '17')
2	11	0.0	0.47735	('1', '4', '6', '7', '9', '10', '12', '13', '16', 'T')
2	12	0.0	0.49025	('4', '5', '6', '7', '8', '11', '13', '14', '16')
2	13	0.00319	0.50345	('10',)
2	14	0.02185	0.73693	('1', '5', '13', '15', '17', 'T')
2	15	0.0	0.46145	('1', '5', '6', '7', '8', '10', '11', '12', '13', '17', 'T')
2	16	0.0082	0.59834	('1', 'T')
2	17	0.01224	0.64404	('1', 'T')
2	T	0.01984	0.72993	('1', '3', '5', '9', '11', '13', '14', '17')
3	4	0.07695	0.0149	('1', '2', '7', '9', '11', '12', '13', '17', 'T')
3	5	0.04143	0.91511	('6', '9', '11', '12', 'T')
3	6	0.00878	0.58074	('4', '5', '10', '11', '15', '16', '17', 'T')
3	7	0.02603	0.19808	('2', '9', '11', '12', '16', 'T')
3	8	0.0	0.47545	('4', '5', '7', '9', '11', '12', '15')
3	9	0.06102	0.0377	('1', '4', '7', '11', '12', '13', '15', '16', 'T')
3	10	0.0	0.46345	('6', '7', '9', '12', '14', '15', '17')
3	11	0.06095	0.0367	('T',)
3	12	0.0841	0.0086	('1', '4', '7', '9', '11', '15', '16', '17', 'T')
3	13	0.02754	0.17848	('1', '4', '7', '9', '11', '15', 'T')
3	14	0.01789	0.26707	('1', '7', '9', '11', '15', '17', 'T')
3	15	0.0474	0.07669	('9', '11', '12', '14', 'T')
3	16	0.0	0.48975	('2', '7', '9', '11', '12', 'T')
3	17	0.02339	0.22718	('4', '7', '9', '10', '11', '12', '14', '15', '16', 'T')
3	T	0.13293	0.0014	('4', '7', '9', '11', '12', '15', '16', '17')
4	5	0.04354	0.08569	('1', '2', '7', '8', '9', '10', '11', '13', '14', '15', '16', 'T')
4	6	0.02684	0.79802	('2', '3', '5', '17')
4	7	0.0324	0.15588	('1', '2', '3', '5', '9', '11', '12', '13', '16', '17')
4	8	0.07041	0.022	('1', '2', '5', '7', '10', '11', '12', '13', '17')
4	9	0.05747	0.0447	('1', '2', '3', '5', '7', '11', '12', '13', '15', '16', '17', 'T')
4	10	0.0	0.46675	('1', '3', '5', '12', '13', '15', '16', '17')
4	11	0.07319	0.0221	('1', '2', '3', '7', '8', '9', '12', '13', '17', 'T')
4	12	0.0062	0.40316	('1', '2', '3', '5', '7', '9', '11', '17')
4	13	0.01245	0.31557	('1', '2', '3', '5', '7', '9', '11')
4	14	0.0	0.46365	('2', '9', '12', '13', '15')
4	15	0.0	0.45155	('1', '3', '5', '6', '7', '8', '17', 'T')
4	16	0.01157	0.63224	('2', '13', 'T')
4	17	0.08879	0.0052	('1', '2', '3', '5', '7', '9', '10', '11', '12', '13', '14', 'T')
4	T	0.00781	0.37616	('1', '2', '3', '5', '7', '9', '11', '13', '17')
5	6	0.02609	0.79712	('4', '10', '13', '16')
5	7	0.0	0.47915	('2', '4', '14', '16')
5	8	0.08083	0.0147	('1', '16')
5	9	0.0	0.48045	('3', '6', '12', '14', '16', 'T')
5	10	0.00609	0.38856	('1', '2', '4', '7', '8', '13', '14', '15', '16', '17')
5	11	0.00147	0.47955	('3', '12', 'T')
5	12	0.01116	0.62084	('3', '6', '11', '17')
5	13	0.00362	0.40716	('1', '4', '6', '7', '8', '9', '15', '16')
5	14	0.03754	0.12469	('1', '4', '7', '8', '15', '16', '17', 'T')
5	15	0.03017	0.15808	('14', '16', 'T')
5	16	0.07554	0.0141	('1', '7', '8', '9', '11', '14')
5	17	0.0	0.47935	('3', '6', '7', '9', '10', '11', '12', '13')
5	T	0.0	0.46765	('1', '2', '3', '4', '7', '8', '9', '10', '11', '12', '13', '14', '16')
6	7	0.0	0.47165	('2', '9', '12', '13', '14', '15', '16')
6	8	0.00709	0.37056	('1', '2', '12', '13', '14')
6	9	0.02585	0.19028	('1', '7', '12', '13', '14', '16')
6	10	0.0071	0.54715	('2', '5', '17')
6	11	0.0	0.46015	('3', '5', '8', '9', '12', '14', '15', '17', 'T')
6	12	0.02968	0.17508	('1', '7', '9', '11', '13', '14')
6	13	0.02583	0.18628	('7', '9', '12')
6	14	0.03928	0.10789	('1', '9', '12', '15', 'T')
6	15	0.01041	0.57424	('3', '4', '5', '17', 'T')
6	16	0.00144	0.50135	('5', '7', '17')
6	17	0.01909	0.71993	('4', '5', '10', '16', 'T')
6	T	1e-05	0.45365	('3', '7', '9', '10', '11', '12', '13')
7	8	0.0	0.47315	('2', '3', '4', '6', '9', '14', '16')
7	9	0.17225	0.0001	('1', '2', '3', '4', '11', '12', '13', '15', '16', '17', 'T')
7	10	0.0063	0.38486	('2', '9', '17', 'T')
7	11	0.05663	0.0477	('2', '3', '4', '9', '12', '16', '17', 'T')
7	12	0.04873	0.07499	('1', '2', '3', '9', '11', '16', '17', 'T')
7	13	0.05782	0.0487	('1', '2', '3', '5', '9')
7	14	0.00183	0.44966	('1', '2', '5', '9', '11', '15', '16', '17', 'T')
7	15	0.0	0.45045	('1', '3', '14', '16', '17', 'T')
7	16	0.0832	0.0079	('1', '2', '5', '9', '11', '12')
7	17	0.07931	0.0105	('2', '9', '10', '11', '12', '14', '16', 'T')
7	T	0.0149	0.29057	('2', '3', '9', '11', '12', '16', '17')
8	9	0.0	0.47435	('2', '10', '13', '14', '16')
8	10	0.05584	0.0472	('1', '2', '5', '11', '13', '17')
8	11	0.05191	0.06389	('1', 'T')
8	12	0.02206	0.22618	('1', '2', '3', '4', '5', '6', '7', '10', '11', '16', '17', 'T')
8	13	0.0	0.45435	('7', '15', 'T')
8	14	0.0006	0.45445	('1', '2', '5', '10', '11', '15', '17')
8	15	0.01235	0.61314	('1',)
8	16	0.00095	0.47825	('1',)
8	17	0.03475	0.13199	('1', '2', '4', '5', '7', '10', '11', '12', '14', '16', 'T')
8	T	0.0	0.45785	('1', '2', '4', '5', '10', '11', '12', '14', '16', '17')
9	10	0.0	0.46565	('1', '3', '4', '5', '6', '7', '12', '13', '16', '17', 'T')
9	11	3e-05	0.45905	('1', '3', '4', '5', '7', '12', '15', '16', 'T')
9	12	0.02208	0.23048	('1', '3', '7', '11', '13', '15', '16', '17', 'T')
9	13	0.01159	0.30847	('7',)
9	14	0.00068	0.44896	('1', '3', '5', '7', '15', '16', '17', 'T')
9	15	0.07528	0.0266	('3', '7', '12', '14', '16', 'T')
9	16	0.06806	0.0195	('1', '5', '7', 'T')
9	17	0.01283	0.33077	('1', '3', '4', '7', '10', '11', '12', '13', '14', '15', '16', 'T')
9	T	0.02765	0.17668	('1', '3', '7', '11', '13', '16')
10	11	0.00025	0.44776	('13', '16')
10	12	0.0	0.46255	('1', '4', '6', '7', '8', '17', 'T')
10	13	0.02867	0.83252	('2', '14', '16', '17')
10	14	0.00679	0.53315	('2', '13')
10	15	0.0	0.43456	('2', '5', '11', '12', '14', '16', '17')
10	16	0.01654	0.68543	('2', '13', 'T')
10	17	0.15163	0.0001	('1', '2', '3', '4', '5', '7', '8', '12', '13', '14', 'T')
10	T	0.00425	0.39916	('2', '3', '5', '7', '11', '17')
11	12	0.10843	0.0046	('1', '3', '4', '7', '15', '16', '17', 'T')
11	13	0.0	0.42706	('5', '10', '12', '16', 'T')
11	14	0.00491	0.38526	('1', '3', '5', '7', '12', '15', '17', 'T')
11	15	4e-05	0.41916	('3', '5', '7', '9', '12', '14', '17', 'T')
11	16	0.03889	0.11089	('1', '5', '7', '12', 'T')
11	17	0.04334	0.09249	('1', '3', '4', '7', '10', '12', '13', '14', '16', 'T')
11	T	0.21593	0.0003	('3', '7', '12', '17')
12	13	0.00357	0.50895	('1', '2', '10', '11', '14', '16', '17')
12	14	0.01127	0.60514	('2', '7', '10', '13', '16')
12	15	0.01586	0.27437	('3', '9', '11', '14', '17')
12	16	0.0074	0.38586	('1', '3', '5', '7', '9', '11', '17')
12	17	0.11655	0.0007	('1', '7', '10', '11', '16', 'T')
12	T	0.02864	0.17458	('1', '3', '7', '11', '17')
13	14	0.01814	0.69403	('10', '15', '16', '17')
13	15	0.0	0.41156	('2', '3', '9', '10', '12', '17', 'T')
13	16	0.00117	0.48645	('1', '2', '10', '11', '12', '14', '17')
13	17	0.00267	0.50125	('10', '12', '14', '16', 'T')
13	T	0.0	0.43096	('1', '2', '9', '10', '11', '14', '16', '17')
14	15	0.07748	0.0272	('3', '5', '9', '17', 'T')
14	16	0.00192	0.51185	('10', '15')
14	17	0.06213	0.0336	('1', '3', '5', '7', '10', '11', '15', 'T')
14	T	0.0	0.44826	('1', '3', '5', '10', '11')
15	16	0.01498	0.66273	('1',)
15	17	0.01997	0.24468	('3', '5', '7', '9', '10', '11', '12', '14', 'T')
15	T	0.0	0.42436	('3', '11', '12', '13', '14')
16	17	0.03996	0.10509	('1', '5', '7', '9', '10', '11', '12', '14', 'T')
16	T	0.0	0.47525	('1', '2', '3', '5', '6', '10')
17	T	0.0996	0.0031	('3', '7', '10', '11', '12', '14')

Table 36: Upper middle Income

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.01307	0.31597	('3', '4', '5', '9', '11', '12', '13', '14', '16', '17', 'T')
1	3	0.03651	0.10669	('2', '5', '7', '8', '9', '11', '12', '13', '15', '16', '17', 'T')
1	4	0.05522	0.0337	('2', '5', '6', '7', '8', '9', '11', '12', '13', '16', 'T')
1	5	0.03961	0.08689	('3', '4', '7', '8', '9', '10', '13', '15', '16', 'T')
1	6	0.00107	0.44226	('2', '3', '4', '5', '7', '11', '13', '14', '15', '16', '17', 'T')
1	7	0.01918	0.24248	('2', '3', '4', '5', '6', '8', '9', '11', '12', '13', '15', '16', '17', 'T')
1	8	0.11123	0.0011	('3', '4', '5', '7', '9', '11', '12', '13', '14', '16', '17', 'T')
1	9	0.05712	0.0296	('2', '3', '4', '5', '7', '8', '11', '12', '13', '16', '17', 'T')
1	10	0.0265	0.82922	('7', '13', '16')
1	11	0.04515	0.06749	('T',)
1	12	0.01833	0.24998	('2', '3', '7', '8', '9', '11', '13', '16', '17', 'T')
1	13	0.1289	0.001	('2', '4', '9', '12', '14', '15', 'T')
1	14	0.00401	0.40886	('2', '8', '9', '12', 'T')
1	15	0.00794	0.33987	('2', '3', '4', '5', '6', '7', '8', '9', '11', '13', '16', '17', 'T')
1	16	0.06391	0.0266	('2', '3', '4', '5', '6', '7', '8', '9', '11', '12', '15', 'T')
1	17	0.06101	0.0239	('2', '3', '5', '7', '8', '9', '10', '11', '12', '13', '16', 'T')
1	T	0.11095	0.0007	('2', '3', '5', '6', '7', '8', '9', '11', '12', '13', '14', '15', '16', '17')
2	3	0.03787	0.09849	('1', '6', '7', '9', '10', '12', '14', '15', '16', '17', 'T')
2	4	0.07946	0.0056	('1', '5', '6', '7', '9', '10', '11', '12', '14', '15', '16', '17', 'T')
2	5	0.0098	0.61454	('6', '12', '13', '14')
2	6	0.04378	0.07509	('3', '4', '7', '11', '14', '15', '16', '17', 'T')
2	7	1e-05	0.48155	('1', '3', '4', '6', '9', '12', '15', '17')
2	8	0.0	0.48045	('1', '4', '6', '7', '9', '10', '11', '12', '13', '14', '15', '16', 'T')
2	9	0.01558	0.28507	('3', '4', '7', '10', '11', '12', '16', '17', 'T')
2	10	0.02953	0.15478	('4', '5', '12', '15', '17', 'T')
2	11	0.01222	0.32757	('3', '4', '6', '7', '9', '12', '15', '16', '17', 'T')
2	12	0.02515	0.18948	('3', '4', '9', '10', '11', '16', '17', 'T')
2	13	0.01871	0.24438	('4', '9', '12', '14', '15', '17', 'T')
2	14	0.009	0.35226	('3', '4', '6', '8', '9', '12', '17', 'T')
2	15	0.01547	0.26557	('1', '3', '4', '6', '7', '10', '11', '16', '17', 'T')
2	16	0.0465	0.06379	('3', '4', '5', '6', '7', '11', '12', '15', '17', 'T')
2	17	0.08338	0.0036	('3', '4', '9', '10', '11', '12', '15', '16', 'T')
2	T	0.02757	0.16618	('1', '3', '4', '6', '7', '10', '11', '12', '14', '15', '16', '17')
3	4	0.0	0.48745	('7', '8', '10', '13', '14', 'T')
3	5	0.00056	0.47845	('1', '7', '8', '9', '10', '13', '15', '16', '17', 'T')
3	6	0.01618	0.27337	('1', '2', '7', '15', '16', 'T')
3	7	0.04051	0.08689	('1', '5', '6', '9', '11', '12', '15', '16', '17', 'T')
3	8	0.00769	0.37466	('1', '5', '7', '9', '12', '14', '15', '16', '17', 'T')
3	9	0.04342	0.07489	('1', '2', '7', '11', '12', '15', '16', '17', 'T')
3	10	0.0	0.46635	('1', '2', '4', '5', '9', '15')
3	11	0.00415	0.40966	('T',)
3	12	0.06459	0.022	('1', '2', '7', '9', '11', '15', '16', '17', 'T')
3	13	0.00714	0.57424	('7', '11', '16', 'T')
3	14	0.01054	0.33387	('2', '8', '9', '12', '15', '16', '17', 'T')
3	15	0.08065	0.009	('1', '2', '5', '6', '7', '9', '12', '13', '16', '17', 'T')
3	16	0.06188	0.0259	('1', '2', '7', '11', '12', '15', 'T')
3	17	0.07313	0.0089	('1', '2', '7', '9', '10', '11', '12', '15', '16', 'T')
3	T	0.1003	0.0011	('1', '2', '7', '11', '12', '13', '14', '15', '16', '17')
4	5	0.03472	0.12629	('1', '2', '7', '8', '9', '10', '15', '16')
4	6	0.09771	0.0025	('1', '2', '5', '7', '15', '16', 'T')
4	7	0.03228	0.13379	('1', '2', '5', '6', '9', '11', '15', 'T')
4	8	0.08352	0.0053	('1', '2', '5', '6', '7', '9', '10', '12', '14', '16', '17', 'T')
4	9	0.0565	0.0324	('1', '2', '5', '6', '7', '8', '10', '11', '12', '17')
4	10	0.01044	0.33857	('1', '2', '5', '6', '8', '9', '15', '17')
4	11	0.01509	0.29277	('1', '2', '5', '6', '7', '9', '12', '15', '16', '17', 'T')
4	12	0.0	0.47465	('3', '6', '7', '8', '10', '13', '14', '17')
4	13	0.03046	0.14889	('1',)
4	14	0.0011	0.46665	('2', '9', 'T')
4	15	0.02389	0.19208	('1', '2', '3', '5', '6', '7', '9', '10', '11', '16', 'T')
4	16	0.01055	0.34327	('1', '2', '3', '5', '6', '7', '8', '11', '12', '15', 'T')
4	17	0.00333	0.45255	('1', '2', '5', '6', '7', '8', '9', '10', '11', '12', '15', 'T')
4	T	0.0	0.48205	('3', '5', '8', '9', '11', '13', '17')
5	6	0.0	0.45165	('2', '4', '8', '14', '15', 'T')
5	7	0.00097	0.44846	('1', '3', '4', '8', '9', '10', '11', '15', '16', 'T')
5	8	0.09257	0.005	('1', '4', '7', '9', '10', '14', '15', '16', '17', 'T')
5	9	0.0	0.47095	('1', '2', '6', '8', '10', '11', 'T')
5	10	0.03941	0.09599	('1', '4', '8', '15', '17', 'T')
5	11	0.00289	0.49045	('2', '12')
5	12	0.01541	0.68613	('2', '11')
5	13	0.01319	0.65133	('3', '7', '8', '10', '11', '16')
5	14	0.0018	0.47835	('1', '7', '10', '13', '15', '16')
5	15	0.03685	0.10369	('1', '3', '4', '7', '8', '10', '13', '16', '17', 'T')
5	16	0.02116	0.21058	('1', '2', '3', '4', '7', '8', '10', '11', '12', '15', 'T')
5	17	0.0	0.47575	('3', '7', '8', '10', '11', '12', '13', '16', 'T')
5	T	0.00024	0.46135	('1', '3', '7', '8', '10', '11', '15', '16', '17')
6	7	0.09116	0.0049	('1', '2', '3', '4', '9', '11', '15', '16', 'T')
6	8	0.0	0.46905	('4', '5', '7', '10', '12', '14')
6	9	0.00284	0.50035	('10',)
6	10	0.01141	0.61524	('1', '7', '16')
6	11	0.0221	0.20498	('T',)
6	12	0.0	0.45335	('2', '5', '10', '14', 'T')
6	13	0.00113	0.42586	('1', '2', '4', '14', '15', 'T')
6	14	0.00862	0.33457	('2', '3', '4', '8', '15', '16', 'T')
6	15	0.06852	0.0331	('1', '2', '3', '4', '5', '7', '11', '16', '17', 'T')
6	16	0.06247	0.0314	('1', '2', '3', '4', '5', '7', '11', '12', '15', 'T')
6	17	0.01739	0.26417	('2', '3', '4', '7', '10', '11', '12', '15', '16', 'T')
6	T	0.09463	0.0044	('2', '3', '4', '7', '11', '14', '15', '16', '17')
7	8	0.01653	0.27197	('1', '3', '4', '5', '9', '11', '12', '14', '15', '17', 'T')
7	9	0.14256	0.0001	('1', '2', '3', '4', '6', '8', '11', '12', '15', '17', 'T')
7	10	0.01409	0.66053	('6',)
7	11	0.03117	0.14369	('T',)
7	12	0.00549	0.40086	('1', '3', '9', '11', '17', 'T')
7	13	0.02954	0.85371	('1', '3', '5', '11', '16')
7	14	0.02717	0.82292	('5', '11', '13', '15', '16')
7	15	0.08215	0.0117	('1', '3', '5', '6', '9', '11', '16', '17', 'T')
7	16	0.00017	0.46505	('2', '3', '5', '6', '9', '11', '12', '15', 'T')
7	17	0.0373	0.10439	('1', '2', '3', '9', '10', '11', '12', '15', 'T')
7	T	0.10615	0.0012	('1', '3', '5', '6', '9', '11', '12', '15', '17')
8	9	0.10811	0.0006	('1', '3', '4', '5', '7', '11', '12', '14', '17', 'T')
8	10	0.01488	0.27967	('1', '5', '9', '14', '17', 'T')
8	11	0.00621	0.39636	('1', '5', '7', '9', '12', '14', '16', '17', 'T')
8	12	0.03551	0.11549	('1', '5', '9', '11', '14', '16', '17', 'T')
8	13	0.00546	0.54245	('1', '5', '7', '10', '11', '16')
8	14	0.09916	0.004	('T',)
8	15	0.0	0.44196	('1', '4', '5', '7', '9', '10', '12', '13', '14', '17')
8	16	0.0228	0.20588	('1', '2', '3', '4', '5', '6', '7', '9', '11', '12', '14', '17', 'T')
8	17	0.13114	0.0001	('1', '2', '5', '7', '9', '10', '11', '12', '14', 'T')
8	T	0.07171	0.012	('1', '3', '5', '7', '9', '11', '14', '16', '17')
9	10	0.0015	0.45135	('2', '5', '7', '12', '17')
9	11	0.03584	0.11429	('7', '12', 'T')
9	12	0.11449	0.0007	('1', '2', '3', '7', '8', '10', '11', '16', '17', 'T')
9	13	0.01548	0.27677	('1', 'T')
9	14	0.00166	0.46065	('2', '3', '7', '8', '12', 'T')
9	15	0.0	0.45545	('1', '7', '10', '12', '17', 'T')
9	16	0.0	0.47535	('2', '3', '6', '7', '11', '13', '14', '15', 'T')
9	17	0.05244	0.0404	('2', '3', '7', '8', '10', '11', '12', 'T')
9	T	0.0	0.48035	('2', '3', '6', '8', '10', '11', '16', '17')
10	11	0.0	0.45115	('3', '7', '8', '9', '12', '13', '16')
10	12	0.00378	0.40226	('2', '9', '11', '17')
10	13	0.00876	0.57624	('1',)
10	14	0.00288	0.48785	('1', '5', '7', '13', '15', '16', '17')
10	15	0.02144	0.19478	('1', '2', '3', '5', '7', '17', 'T')
10	16	0.00482	0.51895	('1',)
10	17	0.15777	0.0001	('2', '4', '5', '8', '9', '11', '12', '15', 'T')
10	T	0.0	0.45445	('2', '3', '5', '6', '7', '9', '11', '12', '15', '17')
11	12	0.10069	0.0031	('7', '9', '16', '17', 'T')
11	13	0.0263	0.81292	('7', '16', 'T')
11	14	0.0	0.45715	('2', '3', '4', '5', '6', '9', '10', '13', '15', '16', 'T')
11	15	0.01346	0.27687	('T',)
11	16	0.06943	0.0216	('T',)
11	17	0.06123	0.0224	('T',)
11	T	0.18776	0.0001	('3', '6', '7', '9', '12', '15', '16', '17')
12	13	0.00745	0.36026	('1', 'T')
12	14	0.00242	0.41156	('2', '3', '8', '9', '11', '17', 'T')
12	15	0.0002	0.42916	('5',)
12	16	0.04952	0.06139	('1', '2', '3', '7', '9', '11', 'T')
12	17	0.1152	0.0002	('1', '2', '3', '7', '9', '10', '11', 'T')
12	T	0.02403	0.19398	('1', '2', '3', '7', '9', '11', '14', '16', '17')
13	14	0.01988	0.21088	('1', 'T')
13	15	0.0363	0.09939	('1', 'T')
13	16	0.00232	0.48535	('1', '3', '5', '7', '11')
13	17	0.00338	0.42686	('1', 'T')
13	T	0.02638	0.17028	('1',)
14	15	0.00182	0.44116	('7', '13', '16')
14	16	0.00868	0.57674	('1', '5', '7', '11', '13', '15')
14	17	0.0	0.47845	('1', '2', '4', '5', '6', '8', '10', '15', 'T')
14	T	0.04379	0.07429	('2', '3', '8', '11', '17')
15	16	0.03454	0.11319	('1', '2', '3', '5', '6', '7', '11', '12', 'T')
15	17	0.03966	0.09239	('1', '2', '3', '7', '10', '11', 'T')
15	T	0.07179	0.0205	('1', '3', '5', '6', '7', '11', '16', '17')
16	17	1e-05	0.47915	('1', '2', '3', '6', '7', '8', '10', '11', '12', '15')
16	T	0.05609	0.0407	('1', '2', '3', '7', '11', '12', '15')
17	T	0.1566	0.0001	('1', '2', '3', '6', '7', '8', '9', '10', '11', '12', '13', '15', '16')

Table 37: High Income

Var X	Var Y	min dcor	*p*-value	condition
1	2	0.06108	0.0209	('3', '4', '5', '6', '7', '9', '10', '12', '13', '15', '17', 'T')
1	3	0.05699	0.0217	('2', '5', '10', '11', '12', '16', '17', 'T')
1	4	0.06805	0.0109	('2', '3', '5', '6', '9', '10', '17', 'T')
1	5	0.00832	0.33977	('2', '3', '4', '8', '12', '13', '17', 'T')
1	6	0.01813	0.21368	('2', '3', '4', '7', '9', '10', '16', '17', 'T')
1	7	1e-05	0.46895	('2', '5', '9', '10', '17')
1	8	0.08823	0.0041	('2', '5', '10', '17', 'T')
1	9	0.01972	0.21638	('2', '7', '10', '17', 'T')
1	10	0.0	0.45725	('5', '6', '7', '9', '11', '12', '13', '14', '17')
1	11	0.0	0.47145	('2', '3', '4', '7', '8', '10', '12', '13', '14')
1	12	0.04948	0.044	('2', '3', '5', '9', '16', '17', 'T')
1	13	0.0	0.43296	('2', '3', '4', '7', '8', '10', '12', '17', 'T')
1	14	0.0	0.45405	('5', '6', '7', '11', '12', '13')
1	15	0.01158	0.27377	('2', '3', '7', '9', '14', '16', '17', 'T')
1	16	0.0	0.46125	('8', '10', '11', '12', '17')
1	17	0.21078	0.0001	('2', '3', '4', '5', '7', '8', '9', '12', '13', '15', '16', 'T')
1	T	0.02848	0.13709	('2', '3', '7', '9', '12', '13', '15', '17')
2	3	0.03555	0.08999	('1', '5', '6', '7', '9', '10', '11', '12', '13', '14', '16', '17', 'T')
2	4	0.05772	0.019	('1', '3', '5', '6', '7', '9', '10', '11', '14', '16', '17', 'T')
2	5	0.01977	0.21038	('1', '3', '4', '7', '9', '10', '12', '13', '17', 'T')
2	6	0.168	0.0001	('1', '7', '9', '10', '16', 'T')
2	7	0.21759	0.0001	('6', '9', '10', '14', '16', '17', 'T')
2	8	0.0	0.46925	('3', '4', '6', '7', '9', '10', '11', '14', '16', '17', 'T')
2	9	0.09425	0.0013	('7', '10', 'T')
2	10	0.10423	0.0017	('4', '6', '7', '9', '12', '14', '16', '17', 'T')
2	11	0.0	0.46265	('4', '6', '7', '9', '10', '17', 'T')
2	12	0.01631	0.25547	('1', '3', '5', '6', '7', '9', '10', '11', '16', '17', 'T')
2	13	0.03638	0.09389	('7', '10', '12', 'T')
2	14	0.03879	0.07939	('3', '4', '5', '6', '7', '9', '10', '11', '13', '15', '16', '17', 'T')
2	15	0.03006	0.12349	('7', '9', '10', '14', '16', 'T')
2	16	0.02012	0.21328	('3', '6', '7', '9', '10', '12', '13', '15', '17', 'T')
2	17	0.07633	0.0065	('1', '3', '4', '5', '6', '7', '8', '9', '10', '11', '12', '13', '14', '15', '16', 'T')
2	T	0.12352	0.0002	('3', '4', '6', '7', '9', '10', '11', '12', '13', '15', '16', '17')
3	4	0.02292	0.19138	('1', '2', '5', '10', '11', '14', '16', '17', 'T')
3	5	0.11528	0.0003	('2', '10', '11', '12', '13', '16', '17', 'T')
3	6	0.0	0.48845	('1', '5', '9', '10', '11', '14', '16', '17', 'T')
3	7	0.0	0.47625	('1', '5', '8', '10', '12', '13', '15', '17', 'T')
3	8	0.01153	0.31467	('1', '2', '5', '10', '11', '12', '13', '14', '17', 'T')
3	9	0.0	0.48135	('5', '7', '11', '12', '16', '17')
3	10	0.0	0.47835	('2', '5', '6', '7', '8', '11', '12', '13', '14', '15', 'T')
3	11	0.13124	0.0002	('2', '5', '9', '10', '12', '13', '14', '16', '17', 'T')
3	12	0.04937	0.0371	('2', '5', '9', '10', '11', '16', '17', 'T')
3	13	0.0	0.46315	('9', '11', '12', '14', '15', '17')
3	14	0.02297	0.18738	('2', '5', '10', '11', '15', '16', '17', 'T')
3	15	0.00558	0.38786	('2', '5', '9', '11', '14', '16', 'T')
3	16	0.03774	0.08169	('2', '5', '7', '9', '10', '11', '12', '15', '17', 'T')
3	17	0.11684	0.0001	('1', '2', '5', '7', '10', '11', '12', '13', '16', 'T')
3	T	0.10018	0.0007	('2', '5', '9', '10', '11', '12', '13', '15', '16', '17')
4	5	0.04678	0.0443	('1', '2', '3', '10', '11', '16', '17', 'T')
4	6	0.07023	0.0093	('1', '2', '5', '7', '9', '10', '11', '14', '16', 'T')
4	7	0.01257	0.29917	('1', '2', '5', '6', '9', '10', '14', '16', '17', 'T')
4	8	0.01762	0.24198	('1', '2', '5', '7', '10', '11', '14', '17', 'T')
4	9	0.02099	0.20938	('1', '2', '5', '6', '7', '10', '11', '14', '16', '17', 'T')
4	10	0.06309	0.0141	('1', '2', '5', '6', '7', '9', '11', '14', '16', '17', 'T')
4	11	0.03494	0.09879	('2', '3', '5', '6', '9', '10', '12', '13', '14', '16', '17', 'T')
4	12	0.0	0.48735	('2', '3', '5', '7', '9', '10', '13', '14', '16', '17', 'T')
4	13	0.02998	0.88121	('1', '5', '16')
4	14	0.03351	0.10989	('1', '2', '3', '5', '6', '7', '10', '11', '15', '17', 'T')
4	15	0.0	0.47295	('2', '6', '12')
4	16	0.0123	0.31917	('2', '3', '5', '6', '7', '9', '10', '11', '12', '14', '15', '17', 'T')
4	17	0.07477	0.0036	('1', '2', '3', '5', '6', '7', '8', '9', '10', '11', '12', '14', '16', 'T')
4	T	0.06632	0.0104	('1', '2', '3', '5', '6', '7', '9', '10', '11', '12', '14', '16', '17')
5	6	1e-05	0.44836	('10', '12', '13', '15', '16', 'T')
5	7	0.0	0.45455	('1', '2', '10', '12', '15')
5	8	0.06417	0.0163	('1', '2', '3', '10', '11', '12', '13', '17')
5	9	0.0	0.47335	('2', '6', '8', '10', '12', '13', '15', '16', 'T')
5	10	0.0	0.47005	('1', '2', '6', '7', '9', '15', '16')
5	11	0.01295	0.28117	('2', '3', '12', '13', '17', 'T')
5	12	0.02557	0.16028	('1', '2', '3', '10', '11', '16', '17', 'T')
5	13	0.01136	0.62774	('1', '3', '4', '16')
5	14	0.0	0.47235	('1', '3', '8', '10', '12', '13', '16')
5	15	0.0	0.42906	('2', '4', '7', '11', '12', '14', '16', 'T')
5	16	0.0	0.46735	('1', '2', '3', '4', '6', '7', '10', '11', '13', '14', '15', 'T')
5	17	0.05805	0.0217	('1', '2', '3', '4', '8', '9', '11', '12', '13', '16', 'T')
5	T	0.0	0.46485	('2', '3', '9', '11', '12', '15', '16', '17')
6	7	0.16233	0.0003	('1', '2', '9', '10', '16', 'T')
6	8	0.0326	0.10789	('1', '2', '7', '9', '10', '11', '17', 'T')
6	9	0.131	0.0001	('1', '2', '7', '10', 'T')
6	10	0.08314	0.0071	('1', '2', '7', '9', 'T')
6	11	0.03635	0.08769	('2', '3', '4', '7', '9', '10', '12', '13', '14', '16', '17', 'T')
6	12	0.0	0.46135	('1', '2', '4', '8', '10', '14', '16', '17', 'T')
6	13	0.0	0.41316	('1', '2', '4', '14', '16')
6	14	0.00896	0.31267	('2', '3', '4', '7', '9', '10', '11', '15', '16', '17', 'T')
6	15	0.0	0.42576	('2', '4', '7', '8', '9', '10', '13')
6	16	0.0388	0.07719	('2', '7', '9', '10', 'T')
6	17	0.03441	0.09899	('1', '2', '7', '9', '10', '11', '16', 'T')
6	T	0.06866	0.0165	('2', '7', '9', '10', '11')
7	8	1e-05	0.47245	('2', '5', '9', '17', 'T')
7	9	0.31756	0.0001	('2', '6', '10', '12', '15', '16', '17', 'T')
7	10	0.17763	0.0001	('2', '6', '9', '16', '17', 'T')
7	11	0.0	0.45115	('1', '3', '4', '6', '9', '12', '14')
7	12	1e-05	0.47485	('5', '9', '11', '14', '16', '17')
7	13	0.01074	0.28427	('2', '9', '12', '17', 'T')
7	14	0.01397	0.27137	('2', '9', '10', '11', '15', '16', '17', 'T')
7	15	0.00125	0.42626	('2', '9', '10', '14', '16', 'T')
7	16	0.10562	0.0018	('2', '3', '6', '9', '10', '12', '15', '17', 'T')
7	17	0.21382	0.0001	('1', '2', '9', '10', '16', 'T')
7	T	0.08497	0.0046	('2', '3', '6', '9', '10', '12', '15', '16', '17')
8	9	0.00524	0.40626	('1', '2', '7', '10', '11', '17', 'T')
8	10	0.04363	0.05769	('1', '2', '7', '9', '13', '17')
8	11	0.04968	0.0385	('3', '5', '9', '10', '12', '13', '14', '17', 'T')
8	12	0.03442	0.09849	('1', '2', '5', '9', '10', '11', '16', '17', 'T')
8	13	0.01209	0.27677	('2', '7', '9', '11', '12', '17', 'T')
8	14	3e-05	0.46505	('1', '2', '7', '10', '11', '15', '17')
8	15	0.0	0.45245	('2', '4', '7', '11', '14', '16', 'T')
8	16	0.0	0.46325	('1', '2', '4', '5', '7', '13', '14', '15')
8	17	0.35325	0.0001	('1', '2', '3', '5', '7', '9', '10', '11', '12', '13', '14', 'T')
8	T	0.0	0.46925	('1', '3', '6', '7', '10', '11', '12', '13', '15', '17')
9	10	0.09379	0.0012	('2', '6', '7', '12', '16', '17', 'T')
9	11	0.01909	0.22538	('2', '3', '6', '7', '10', '12', '13', '15', '16', '17', 'T')
9	12	0.052	0.0313	('1', '2', '7', '10', '11', '16', '17', 'T')
9	13	0.0088	0.34107	('2', '7', '10', '12', 'T')
9	14	0.0	0.48235	('4', '6', '7', '11', '17', 'T')
9	15	0.04975	0.0408	('2', '7', '16', 'T')
9	16	0.05553	0.0255	('7', 'T')
9	17	0.20793	0.0001	('1', '2', '7', '10', 'T')
9	T	0.09716	0.0013	('2', '3', '6', '7', '10', '11', '12', '15', '16', '17')
10	11	0.0	0.45415	('1', '3', '4', '8', '12', '16', '17')
10	12	0.00514	0.38626	('1', '2', '7', '9', '11', '16', '17', 'T')
10	13	0.00413	0.37726	('2', '7', '9', '12', '17')
10	14	0.0103	0.31777	('2', '4', '7', '9', '11', '15', '17')
10	15	0.0	0.44206	('1', '2', '3', '4', '6', '7', '8', '9', '12', '13', '16', '17')
10	16	0.0	0.46275	('1', '2', '7', '11', '12', '13', '14', '15', '17', 'T')
10	17	0.11808	0.0002	('1', '2', '4', '6', '7', '8', '9', '11', '12', '14', '15', '16', 'T')
10	T	0.0	0.45265	('1', '3', '4', '9', '12', '14', '17')
11	12	0.07307	0.0094	('2', '3', '5', '9', '10', '13', '16', '17', 'T')
11	13	0.00767	0.32607	('2', '3', '9', '12', '15', '17', 'T')
11	14	0.03412	0.10469	('2', '3', '4', '5', '9', '10', '12', '13', '15', '16', '17', 'T')
11	15	0.0207	0.18408	('2', '3', '9', '14', '16', '17', 'T')
11	16	0.01466	0.26107	('2', '3', '7', '9', '12', '13', '15', '17', 'T')
11	17	0.10519	0.0007	('2', '3', '5', '6', '7', '8', '9', '10', '12', '13', '14', '15', '16', 'T')
11	T	0.08757	0.0055	('2', '3', '6', '9', '10', '12', '13', '15', '16', '17')
12	13	0.02713	0.14239	('2', '7', '9', '11', '17', 'T')
12	14	0.0	0.45945	('1', '3', '4', '5', '6', '8', '11', '13', '15', '16', 'T')
12	15	0.0	0.46055	('4', '7', '9', '10', '13', '17')
12	16	0.05903	0.0223	('2', '3', '7', '9', '10', '11', '15', '17', 'T')
12	17	0.12566	0.0001	('1', '2', '3', '5', '7', '8', '9', '10', '11', '16', 'T')
12	T	0.07276	0.007	('2', '3', '7', '9', '10', '11', '16', '17')
13	14	0.0	0.41956	('1', '2', '3', '7', '11', '12', '15', '16', '17', 'T')
13	15	0.02494	0.14609	('2', '7', '9', '11', '12', '14', '16', '17', 'T')
13	16	0.00783	0.57864	('1', '4', '5', '6', '15')
13	17	0.01746	0.22948	('2', '7', '8', '9', '11', '12', '15', 'T')
13	T	0.0	0.43956	('1', '2', '6', '7', '11', '14', '17')
14	15	0.05065	0.0498	('2', '3', '7', '9', '11', '16', '17', 'T')
14	16	0.0	0.45625	('2', '5', '9', '10', '11', '13', '17', 'T')
14	17	0.04106	0.06929	('2', '3', '4', '5', '7', '8', '9', '10', '11', '12', '13', '15', '16', 'T')
14	T	0.00801	0.34597	('2', '3', '4', '7', '9', '10', '11', '15', '17')
15	16	0.0666	0.0182	('2', '3', '7', '9', '14', 'T')
15	17	0.02102	0.18908	('1', '2', '3', '7', '9', '11', '14', '16', 'T')
15	T	0.07622	0.0126	('2', '3', '7', '9', '11', '14', '16')
16	17	0.03036	0.12429	('2', '3', '5', '7', '9', '10', '12', '15', 'T')
16	T	0.02576	0.15038	('2', '3', '7', '9', '11', '12', '15')
17	T	0.14468	0.0001	('1', '2', '3', '7', '9', '10', '11', '12', '15', '16')

Groupings of countries

Southern and Eastern Africa	Middle Africa	Northern and Western Africa	Sub-Saharan Africa	Africa
Burundi	Angola	Benin	Burundi	Algeria
Comoros	Cameroon	Burkina Faso	Comoros	Egypt, Arab Rep.
Djibouti	Central African Republic	Cote d'Ivoire	Djibouti	Morocco
Eritrea	Chad	Gambia, The	Eritrea	Tunisia
Ethiopia	Congo, Rep.	Ghana	Ethiopia	Burundi
Kenya	Congo, Dem. Rep.	Guinea-Bissau	Kenya	Comoros
Madagascar	Equatorial Guinea	Liberia	Madagascar	Djibouti
Malawi	Gabon	Mali	Malawi	Eritrea
Mauritius	Sao Tome and Principe	Mauritania	Mauritius	Ethiopia
Mozambique		Niger	Mozambique	Kenya
Rwanda		Nigeria	Rwanda	Madagascar
Seychelles		Senegal	Seychelles	Malawi
Somalia		Sierra Leone	Somalia	Mauritius
South Sudan		Togo	South Sudan	Mozambique
Uganda		Algeria	Uganda	Rwanda
Tanzania		Egypt, Arab Rep.	Tanzania	Seychelles
Zambia		Morocco	Zambia	Somalia
Zimbabwe		Tunisia	Zimbabwe	South Sudan
Botswana			Angola	Uganda
Lesotho			Cameroon	Tanzania
Namibia			Central African Republic	Zambia
South Africa			Chad	Zimbabwe
			Congo, Rep.	Angola
			Congo, Dem. Rep.	Cameroon
			Equatorial Guinea	Central African Republic
			Gabon	Chad
			Sao Tome and Principe	Congo, Rep.
			Botswana	Congo, Dem. Rep.
			Lesotho	Equatorial Guinea
			Namibia	Gabon
			South Africa	Sao Tome and Principe
			Benin	Botswana
			Burkina Faso	Lesotho
			Cote d'Ivoire	Namibia
			Gambia, The	South Africa
			Ghana	Benin
			Guinea-Bissau	Burkina Faso
			Liberia	Cote d'Ivoire
			Mali	Gambia, The
			Mauritania	Ghana
			Niger	Guinea-Bissau
			Nigeria	Liberia
			Senegal	Mali
			Sierra Leone	Mauritania
			Togo	Niger
				Nigeria
				Senegal
				Sierra Leone
				Togo

Caribbean	North and Central America	South America	Latin America and the Caribbean	Americas
Antigua and Barbuda	Belize	Argentina	Antigua and Barbuda	Antigua and Barbuda
Bahamas, The	Costa Rica	Bolivia	Bahamas, The	Bahamas, The
Barbados	El Salvador	Brazil	Barbados	Barbados
Cuba	Guatemala	Chile	Cuba	Cuba
Dominica	Honduras	Colombia	Dominica	Dominica
Grenada	Mexico	Ecuador	Grenada	Grenada
Haiti	Nicaragua	Guyana	Haiti	Haiti
Jamaica	Panama	Paraguay	Jamaica	Jamaica
Puerto Rico	Canada	Peru	Puerto Rico	Puerto Rico
Trinidad and Tobago	United States	Suriname	Trinidad and Tobago	Trinidad and Tobago
		Uruguay	Belize	Belize
		Venezuela, RB	Costa Rica	Costa Rica
			El Salvador	El Salvador
			Guatemala	Guatemala
			Honduras	Honduras
			Mexico	Mexico
			Nicaragua	Nicaragua
			Panama	Panama
			Argentina	Argentina
			Bolivia	Bolivia
			Brazil	Brazil
			Chile	Chile
			Colombia	Colombia
			Ecuador	Ecuador
			Guyana	Guyana
			Paraguay	Paraguay
			Peru	Peru
			Suriname	Suriname
			Uruguay	Uruguay
			Venezuela, RB	Venezuela, RB
				Canada
				United States

Central and Eastern Asia	South-eastern Asia	Southern Asia	Western Asia	Asia
China	Brunei Darussalam	Afghanistan	Armenia	Kazakhstan
Japan	Cambodia	Bangladesh	Azerbaijan	Kyrgyz Republic
Mongolia	Indonesia	Bhutan	Bahrain	Tajikistan
Korea, Rep.	Lao PDR	India	Cyprus	Turkmenistan
Kazakhstan	Malaysia	Iran, Islamic Rep.	Georgia	Uzbekistan
Kyrgyz Republic	Myanmar	Maldives	Iraq	China
Tajikistan	Philippines	Nepal	Israel	Japan
Turkmenistan	Singapore	Pakistan	Jordan	Mongolia
Uzbekistan	Thailand	Sri Lanka	Kuwait	Brunei Darussalam
	Timor-Leste		Lebanon	Cambodia
	Vietnam		Oman	Indonesia
			Qatar	Lao PDR
			Saudi Arabia	Malaysia
			Syrian Arab Republic	Myanmar
			Turkey	Philippines
			United Arab Emirates	Singapore
			Yemen, Rep.	Thailand
				Timor-Leste
				Vietnam
				Afghanistan
				Bangladesh
				Bhutan
				India
				Iran, Islamic Rep.
				Maldives
				Nepal
				Pakistan
				Sri Lanka
				Armenia
				Azerbaijan
				Bahrain
				Cyprus
				Georgia
				Iraq
				Israel
				Jordan
				Kuwait
				Lebanon
				Oman
				Qatar
				Saudi Arabia
				Syrian Arab Republic
				Turkey
				United Arab Emirates
				Yemen, Rep.

Eastern Europe	Northern Europe	Southern Europe	Western Europe	Europe
Belarus	Denmark	Albania	Austria	Belarus
Bulgaria	Estonia	Bosnia and Herzegovina	Belgium	Bulgaria
Czech Republic	Finland	Croatia	France	Czech Republic
Hungary	Iceland	Greece	Germany	Hungary
Poland	Ireland	Italy	Luxembourg	Poland
Moldova	Latvia	Malta	Netherlands	Moldova
Romania	Lithuania	Montenegro	Switzerland	Romania
Russian Federation	Norway	Portugal		Russian Federation
Slovak Republic	Sweden	Serbia		Slovak Republic
Ukraine	United Kingdom	Slovenia		Ukraine
		Spain		Denmark
				Estonia
				Finland
				Iceland
				Ireland
				Latvia
				Lithuania
				Norway
				Sweden
				United Kingdom
				Albania
				Bosnia and Herzegovina
				Croatia
				Greece
				Italy
				Malta
				Montenegro
				Portugal
				Serbia
				Slovenia
				Spain
				Austria
				Belgium
				France
				Germany
				Luxembourg
				Netherlands
				Switzerland

Oceania (excl. AUS + NZ)	Oceania (incl. AUS + NZ)
Fiji	Australia
Papua New Guinea	New Zealand
Solomon Islands	Fiji
Vanuatu	Papua New Guinea
Micronesia, Fed. Sts.	Solomon Islands
Palau	Vanuatu
Kiribati	Micronesia, Fed. Sts.
Samoa	Palau
Tonga	Kiribati
Tuvalu	Samoa
	Tonga
	Tuvalu

The grouping **World** encompasses all listed countries.

Global North	Global South	LDC	LLDC	SIDS	G20	Emerging Markets	OPEC	Low Income	Lower middle Income	Upper middle Income	High Income
Albania	Fiji	Yemen, Rep.	Afghanistan	Antigua and Barbuda	Australia	Bangladesh	Algeria	Afghanistan	Angola	Albania	Antigua and Barbuda
Austria	Tonga	Afghanistan	Armenia	Bahamas, The	Canada	Egypt, Arab Rep.	Angola	Burkina Faso	Bangladesh	Argentina	Australia
Belarus	Vanuatu	Burundi	Azerbaijan	Barbados	Saudi Arabia	Indonesia	Equatorial Guinea	Burundi	Bhutan	Armenia	Austria
Belgium	Tuvalu	Angola	Bhutan	Belize	United States	Iran, Islamic Rep.	Gabon	Central African Republic	Bolivia	Azerbaijan	Bahamas, The
Bosnia and Herzegovina	Solomon Islands	Benin	Bolivia	Comoros	India	Mexico	Iran, Islamic Rep.	Chad	Cambodia	Belarus	Bahrain
Bulgaria	Samoa	Mozambique	Botswana	Cuba	Russian Federation	Nigeria	Iraq	Congo, Dem. Rep.	Cameroon	Belize	Barbados
Croatia	Papua New Guinea	Burkina Faso	Burkina Faso	Dominica	South Africa	Pakistan	Kuwait	Eritrea	Comoros	Bosnia and Herzegovina	Belgium
Cyprus	Palau	Niger	Burundi	Dominican Republic	Turkey	Philippines	Libya	Ethiopia	Congo, Rep.	Botswana	Canada
Czech Republic	Kiribati	Central African Republic	Central African Republic	Fiji	Argentina	Turkey	Nigeria	Gambia	Cote d'Ivoire	Brazil	Chile
Denmark	Bangladesh	Chad	Chad	Grenada	Brazil	Korea, Rep.	Saudi Arabia	Guinea	Djibouti	Bulgaria	Croatia
Estonia	Bhutan	Lesotho	Ethiopia	Guinea-Bissau	Mexico	Vietnam	United Arab Emirates	Guinea-Bissau	Egypt, Arab Rep.	China	Malta
Finland	Cambodia	Liberia	Kazakhstan	Guyana	France	Brazil	Congo, Dem. Rep.	Haiti	El Salvador	Colombia	Cyprus
France	China	Congo, Dem. Rep.	Kyrgyz Republic	Haiti	Germany	Russian Federation	Venezuela, RB	Liberia	Ghana	Costa Rica	Czech Republic
Greece	India	Djibouti	Lao PDR	Jamaica	Italy	India		Madagascar	Honduras	Cuba	Denmark
Germany	Indonesia	Togo	Lesotho	Kiribati	United Kingdom	China		Malawi	India	Dominica	Estonia
Hungary	Lao PDR	Equatorial Guinea	Malawi	Maldives	China	South Africa		Mali	Kenya	Dominican Republic	Finland
Iceland	Malaysia	Eritrea	Mali	Mauritius	Indonesia			Mozambique	Kiribati	Ecuador	France
Ireland	Myanmar	Ethiopia	Moldova	Palau	Japan			Niger	Kyrgyz Republic	Equatorial Guinea	Germany
Italy	Mongolia	Gambia	Mongolia	Papua New Guinea	Korea, Rep.			Rwanda	Lao PDR	Fiji	Greece
Latvia	Nepal	Madagascar	Nepal	Puerto Rico				Sierra Leone	Lesotho	Gabon	Hungary
Lithuania	Pakistan	Malawi	Niger	Samoa				Somalia	Mauritania	Georgia	Iceland
Luxembourg	Philippines	Mali	Paraguay	Sao Tome and Principe				South Sudan	Moldova	Grenada	Ireland
Malta	Sri Lanka	Rwanda	Rwanda	Seychelles				Syrian Arab Republic	Mongolia	Guatemala	Israel
Montenegro	Thailand	Senegal	South Sudan	Singapore				Tajikistan	Morocco	Guyana	Italy
Netherlands	Timor-Leste	Sierra Leone	Tajikistan	Solomon Islands				Togo	Myanmar	Iran, Islamic Rep.	Japan
Norway	Vietnam	Mauritania	Turkmenistan	Suriname				Uganda	Nicaragua	Iraq	Korea, Rep.
Poland	Maldives	Guinea-Bissau	Uganda	Timor-Leste				Yemen, Rep.	Nigeria	Jamaica	Kuwait
Portugal	Grenada	Guinea	Uzbekistan	Tuvalu				Sudan	Pakistan	Jordan	Latvia
Romania	Dominica	Comoros	Zambia	Vanuatu					Papua New Guinea	Kazakhstan	Lithuania
Serbia	Barbados	Sao Tome and Principe	Zimbabwe						Philippines	Lebanon	Luxembourg
Slovakia	Antigua and Barbuda	Zambia							Sao Tome and Principe	Libya	Netherlands
Slovenia	Cuba	Uganda							Senegal	Malaysia	New Zealand
Spain	Bahamas, The	Tanzania							Solomon Islands	Maldives	Norway
Sweden	Puerto Rico	South Sudan							Timor-Leste	Mexico	Oman
Switzerland	Jamaica	Sudan							Tunisia	Montenegro	Palau
Ukraine	Algeria	Bhutan							Ukraine	Namibia	Panama
United Kingdom	Angola	Cambodia							Uzbekistan	Paraguay	Poland
Canada	Benin	Bangladesh							Vanuatu	Peru	Portugal
United States	Botswana	Haiti							Vietnam	Russian Federation	Puerto Rico
Azerbaijan	Burkina Faso	Kiribati							Zambia	Samoa	Qatar
Georgia	Cameroon	Lao PDR							Zimbabwe	Serbia	Saudi Arabia
Israel	Central African Republic	Myanmar							Algeria	South Africa	Seychelles
Russian Federation	Chad	Nepal							Benin	Suriname	Singapore
Turkey	Congo	Vanuatu							Nepal	Thailand	Slovak Republic
Australia	Cote d'Ivoire	Tuvalu							Sri Lanka	Tonga	Slovenia
New Zealand	Congo, Dem. Rep.	Solomon Islands							Tanzania	Turkey	Spain
Korea, Rep.	Djibouti	Timor-Leste								Turkmenistan	Sweden
Japan	Egypt, Arab Rep.									Tuvalu	Switzerland
Singapore	Equatorial Guinea									Venezuela, RB	Trinidad and Tobago
	Eritrea									Indonesia	United Arab Emirates
	Ethiopia										United Kingdom
	Gabon										United States
	Gambia, The										Uruguay
	Ghana										Mauritius
	Kenya										Romania
	Lesotho										
	Liberia										
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	Madagascar										
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	Namibia										
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	Rwanda										
	Senegal										
	Sierra Leone										
	Somalia										
	South Africa										
	South Sudan										
	Sudan										
	Syrian Arab Republic										
	Togo										
	Tunisia										
	Uganda										
	Tanzania										
	Zambia										
	Zimbabwe										
	Seychelles										
	Sao Tome and Principe										
	Mauritius										
	Mauritania										
	Guinea-Bissau										
	Guinea										
	Comoros										
	Burundi										
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	Guyana										
	Grenada										
	Dominica										
	Barbados										
	Antigua and Barbuda										
	Iraq										
	Afghanistan										
	Armenia										
	Bahrain										
	Iran, Islamic Rep.										
	Jordan										
	Kazakhstan										
	Kuwait										
	Kyrgyz Republic										
	Lebanon										
	Oman										
	Qatar										
	Saudi Arabia										
	Tajikistan										
	Turkmenistan										
	United Arab Emirates										
	Uzbekistan										
	Yemen, Rep.										

LDC: Least Developed Countries LLDC: Land Locked Developing Countries SIDS: Small Island Developing States

Emerging Markets: BRICS + N-11