Testing for Long Range Dependence in Banking Equity Indices

Daniel O. Cajueiro and Benjamin M. Tabak

Abstract— This paper presents empirical evidence of long range dependence in returns and volatility for banking indices for 41 different countries. We employ the Rescaled Hurst analysis and develop a formal statistical procedure to test for long range dependence. This procedure allows to rank these countries by relative inefficiency, which can provide guidance for investors and portfolio managers.

Keywords— banking indices, fractional dynamics, long memory, developed economics, emerging markets.

I. INTRODUCTION

A lot of research has been undertaken in recent years focusing on whether stock returns and volatility possess long range dependence. If there is long range dependence in stock returns then one could improve forecasts in the long term on the dynamics of these time series. Furthermore, the Black-Scholes model is not valid anymore, which is one of the pillars of modern finance. Basically, most of the financial theory relies on the hypothesis that returns do not present long range dependence. This explains why the topic has been a hot subject in the past years. If one can find evidence of long range dependence then we should incorporate this in our pricing models (options pricing) and also in portfolio and risk management (forecasting expected returns and volatility).

Most of the literature has focused on aggregate indices for a variety of countries (See Cajueiro and Tabak (2004a, 2004b, 2004c, 2004d) and Barkoulas and Baum (1996, 1998)). Cheung and Lai (1995) study 18 countries and find little support for long memory in international stock returns. Hiemstra and Jones (1997) employ the rescaled range test (R/S) to the return series of 1,952 common stocks and found that long memory is not a widespread characteristic of these stocks and that there is persistent long memory in the returns of a small proportion of stocks.

Koong et al.(1997) study Pacific Basin stock returns and found little support for long memory in these indices. On the other hand Crato and Lima (1994) show evidence of strong long memory in high-frequency data in the conditional variance of U.S. stock returns¹.

The literature that focuses on particular sectorial indices is relatively small. Evaluating whether long-range dependence exists in specific sectors of the economy is particularly useful and could help understand the origins of such

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 $^1 {\rm See}$ also Ding et al. (1993) that provides evidence suggesting that there is substantially more correlation between absolute returns than returns themselves.

a phenomena, that seems to be a commonplace in econophysics.

This paper intends to fill this existing gap in the literature by studying long range dependence in banking indices around the world. Our focus on the banking sector relies on the fact that this is certainly one of the most important sectors in the economy. We test for long range dependence for mean returns and volatility for 41 different countries, including developed and emerging economies.

The rest of the paper proceed as follows. In the next section we provide a description of the methodology that is used throughout the paper. Section 3 discusses the data that is used, while section 4 presents empirical results on long-range dependence measures. Finally, section 5 presents final remarks and suggestions for further research.

II. MEASURES OF LONG-RANGE DEPENDENCE

In this paper, our measure of long range dependence is the Hurst's exponent provided by the R/S analysis. We present two different set of results: (1) the R/S analysis; (2) the R/S analysis with a shuffling procedure to purge for short term autocorrelation. The shuffling procedure intends to remove any extra long range dependence that may be presented in the data².

The R/S method (Hurst, 1951) due to its simplicity is the most popular way to detect long-range dependence and it is described in which follows. Let X(t) be the price of a stock on a time t and r(t) be the logarithmic return denoted by $r(t) = \ln\left(\frac{X(t+1)}{X(t)}\right)$.

The R/S statistic is the range of partial sums of deviations of times series from its mean, rescaled by its standard deviation. So, consider a sample of continuously compounded asset returns $\{r(1), r(2), \dots, r(\tau)\}$ and let \bar{r}_{τ} denote the sample mean $\frac{1}{\tau} \sum_{\tau} r(\tau)$ where τ is the time span considered. Then the R/S statistic is given by

$$(R/S)_{\tau} \equiv \frac{1}{s_{\tau}} \left[\max_{1 \le t \le \tau} \sum_{k=1}^{t} (r(k) - \overline{r}_{\tau}) - \min_{1 \le t \le \tau} \sum_{k=1}^{t} (r(k) - \overline{r}_{\tau}) \right]$$
(1)

where s_{τ} is the usual standard deviation estimator

$$s_{\tau} \equiv \left[\frac{1}{\tau} \sum_{t} (r(t) - \overline{r}_{\tau})^2\right]^{\frac{1}{2}}$$
(2)

²So, in (2) and (4), we apply the given method to shuffled data in blocks of predetermined size, i.e., we pick a random permutation of the data series within each block of predetermined size and apply the R/S analysis to this shuffled data. The effect of random permutations in these small blocks is to destroy any particular structure of auto-correlation within these blocks [shuffled data was used, for instance, in the context of long range dependence in Erramili *et al.* (1996)].

Hurst [15] found that the rescaled range, R/S, for many records in time is very well described by the following empirical relation:

$$(R/S)_{\tau} = (\tau/2)^H$$
 (3)

So, by means of the R/S analysis, the Hurst's exponent may be evaluated by plotting the data $(R/S)_{\tau}$ versus τ in a log-log plot and measuring the slope of the straight line.

Differently from most researchers that present Hurst exponents without an associated standard error, we estimate both the Hurst exponent and it's standard error, which allows for a statistical test on the restriction H = 0.5, i.e., we test whether the time series data for which we estimate Hurst exponents have a Hurst exponent statistically significant different from 0.5 (Brownian Motion) and formally test whether these time series are persistent (H > 0.5), which implies that past trends are more likely to persist in the future and antipersistent (H < 0.5), that suggests that past trends are more likely to change in the future.

We test for H=0.5 by using a Wald statistic for this restriction. The Wald statistic is given by $W = (H - 0.5)^2/std^2$, where H is the estimated Hurst exponent and std is its associated standard error. This statistic has a χ^2 distribution with one degree of freedom.

III. Data

Although a lot of work has been done for general indices for equity markets there is a gap in the literature as specific sectorial indices have not yet been subject of study. There are many theoretical reasons on why different sectors in the economy may possess different statistical dynamical properties. Sectors that are pro-cyclical and counter-cyclical should present different underlying dynamics in their time series. Furthermore, in some economies the importance of specific sectors is huge and shocks to these sectors should reflect in changes in the dynamics of other sectors.

In this paper we focus on the banking sector that has not been subject of testing for long range dependence and is one of the most important sectors in the economy due to its impacts on all other sectors and to the recent globalization of financial services.

We use a data set of 41 banking indices for different countries, including developed economies and emerging markets. The data was provided by DATASTREAM and the period analyzed ranges from January 1995 to December 2003.

By studying such a wide variety of countries it is possible to ascertain with more precision whether the banking sector, on average, seems to possess long range dependence and compare different countries in terms of long term predictability. This has been done for emerging markets general indices in Cajueiro and Tabak (2004b and 2004c).

IV. Empirical Results

Table 1 presents the Hurst exponents for mean returns and volatility³ The first set of results (in the left hand

side) are provided for unshuffled returns, and therefore no correction for short-term autocorrelation was done. In the right rand side we present results for shuffled returns⁴. We present in each case both the estimated Hurst exponent and its associated standard error.

In Table 1 we present average Hurst exponents for developed markets and emerging markets, which are 0.526 and 0.578 using unshuffled returns and 0.525 and 0.581, respectively, suggesting that on average there is more long term predictability in emerging markets than in developed economies. However, this results change when we evaluate average Hurst exponents for volatility (independent on how we construct our measure of volatility). Hurst exponents are on average 0.814 and 0.824 for developed economies (unshuffled and shuffled returns), respectively, and 0.794 and 0.816 for emerging markets. These results suggest that there is strong long term persistence in volatility for banking sector indices around the world for volatility.

Table 2 presents Wald statistics for testing the restriction H = 0.5 on the estimated Hurst exponent. For unshuffled returns we cannot reject the null hypothesis of no long-range dependence for Australia, Belgium, France, Germany, Spain, Sweden and the UK, while for shuffled returns we cannot reject the null hypothesis for Australia, Belgium, Denmark, Germany, the Netherlands, Spain, Sweden and the UK. Furthermore, we reject the null of no long-range dependence in banking sector returns for all emerging markets. These results suggest that emerging markets. However, empirical results for testing for long-range dependence in volatility suggest that irrespective of market type there is a strong degree of long-range dependence in volatility.

V. FINAL REMARKS

This paper tests for long-range dependence in banking sector indices for 41 different countries around the world. Empirical results suggest that there is a stronger degree of long-range dependence in equity returns for emerging markets than for developed economies. Furthermore, longrange dependence in volatility seems to be stronger in developed economies than in emerging markets, on average.

These results suggest that pricing option models should incorporate long-range dependence in their formulation, which should enhance both portfolio and risk management. Additionally, GARCH models and their variants should be replaced by conditional variance models that incorporate long-term memory parameters⁵.

Additional research is needed in order to understand why different countries possess different degrees of predictability. This could be due to differences in market microstructure or institutional arrangements. Testing for what drives these results is a topic of somewhat great importance. Finally, incorporating transition economies would increase or

³Two proxies were used to construct the volatility series. First, we use absolute returns. Secondly, squared returns.

 $^{^4{\}rm Following}$ Cajueiro and Tabak (2004 c, 2004d) we use a block size of 20 observations. Nonetheless, results are robust to using different block sizes such as 10 and 30.

 $^{{}^{5}}$ See Engle (1982) and Bollerslev (1986).

knowledge of the origins of long-range dependence and is certainly a topic that should require more attention.

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TABLE I

Hurst Exponents for mean, squared and absolute banking equity returns using the R/S methodology.

Country	without						with					
	shuffling		<u> </u>		A.1. 1. /		shuffling		0 1		A1 1 /	
Desclared	Returns		Squared		Absolute		Returns		Squared		Absolute	
Developed Markets	0.526		0.773		0.814		0.525		0.782		0.824	
Australia	0.510	0.013	0.677	0.012	0.690	0.012	0.504	0.011	0.690	0.013	0.706	0.014
Austria	0.510 0.552	0.015	0.795	0.012	0.824	0.012	0.504 0.544	0.011	0.800	0.015	0.833	0.01
Belgium	0.552 0.513	0.009	0.801	0.016	0.850	0.018	0.503	0.009	0.814	0.011	0.863	0.01
Canada	0.518	0.009	0.755	0.012	0.792	0.013	0.535	0.008	0.760	0.010	0.801	0.01
Denmark	0.534	0.008	0.757	0.013	0.811	0.015	0.505	0.008	0.773	0.015	0.824	0.01
Finland	0.523	0.008	0.676	0.010	0.754	0.010	0.523	0.008	0.682	0.013	0.760	0.01
France	0.510	0.012	0.838	0.012	0.874	0.012	0.533	0.009	0.840	0.017	0.877	0.01
Germany	0.503	0.012	0.788	0.011	0.824	0.012	0.499	0.011	0.806	0.013	0.838	0.01
Hong Kong	0.567	0.009	0.783	0.019	0.857	0.012	0.566	0.011	0.780	0.019	0.852	0.02
Ireland	0.543	0.008	0.697	0.015	0.733	0.020	0.550	0.009	0.718	0.015	0.762	0.02
Italy	0.569	0.010	0.812	0.012	0.830	0.012	0.551	0.012	0.819	0.013	0.840	0.01
Japan	0.536	0.009	0.784	0.012	0.849	0.012	0.551	0.012	$0.010 \\ 0.771$	0.010	0.839	0.01
Netherlands	0.471	0.013	0.857	0.016	0.879	0.016	0.485	0.010	0.865	0.011	0.890	0.01
Norway	0.546	0.010	0.787	0.015	0.835	0.017	0.526	0.011	0.790	0.016	0.844	0.01
Singapore	0.625	0.001	0.758	0.010	0.842	0.011	0.633	0.010	0.762	0.010	0.842	0.01
Singapore Spain	0.525 0.511	0.012	0.842	0.010	0.894	0.024	0.509	0.010	0.846	0.013	0.898	0.02
Sweden	0.491	0.001	0.042 0.722	0.011	0.730	0.009	0.303 0.498	0.001	0.040 0.739	0.010	0.030 0.747	0.01
Switzerland	0.491 0.530	0.000	0.722 0.797	0.010	0.836	0.005 0.015	0.430 0.522	0.000	0.809	0.011 0.015	0.846	0.01
United Kingdom	0.508	0.003	0.758	0.014	0.030 0.756	0.013	0.522 0.507	0.005	0.303 0.778	0.015	0.040 0.773	0.01
US	0.308 0.455	0.008	0.733 0.784	0.011	0.750	0.013 0.014	0.307 0.452	0.007	0.798	0.012 0.014	0.838	0.01
Emerging	0.400	0.010	0.104	0.010	0.825	0.014	0.402	0.010	0.190	0.014	0.000	0.01
Markets	0.578		0.744		0.794		0.581		0.764		0.816	
Latin	0.010		0.144		0.154		0.001		0.104		0.010	
America	0.590		0.735		0.829		0.592		0.756		0.855	
Argentina	0.592	0.014	0.738	0.016	0.861	0.020	0.592	0.015	0.748	0.018	0.869	0.02
Brazil	0.566	0.012	0.719	0.015	0.797	0.015	0.595	0.014	0.748	0.017	0.831	0.01
Chile	0.605	0.010	0.694	0.017	0.814	0.020	0.611	0.008	0.727	0.017	0.854	0.02
Mexico	0.567	0.010	0.778	0.015	0.867	0.018	0.565	0.010	0.792	0.016	0.894	0.02
Peru	0.622	0.011	0.746	0.014	0.805	0.020	0.595	0.009	0.765	0.017	0.829	0.02
Asia	0.601		0.753		0.804		0.613		0.773		0.830	
India	0.535	0.012	0.731	0.009	0.753	0.010	0.541	0.009	0.745	0.010	0.769	0.01
Indonesia		0.013		0.032	0.827			0.015		0.031	0.855	
Korea	0.568	0.007	0.806	0.024	0.838	0.031	0.587	0.007	0.832		0.866	0.03
Malaysia	0.648	0.014	0.771	0.016	0.885	0.028	0.670	0.012	0.790	0.018	0.912	0.03
The Philippines	0.684	0.012	0.723	0.018	0.789	0.026	0.697	0.012	0.750	0.020	0.820	0.02
Taiwan	0.571	0.010	0.694	0.007	0.724	0.009	0.573	0.008	0.723	0.008	0.757	0.01
Thailand	0.599	0.010	0.832	0.033	0.867	0.037	0.617	0.009	0.847	0.034	0.886	0.03
Sri Lanka	0.609	0.011	0.678	0.010	0.751	0.011	0.613	0.010	0.694	0.011	0.778	0.01
Europe	0.569	0.011	0.756	0.010	0.797	0.011	0.577	0.010	0.782	0.011	0.827	0.01
Czech Republic	0.621	0.010	0.787	0.016	0.825	0.020	0.635	0.012	0.809	0.018	0.850	0.02
Greece	0.563	0.012	0.794	0.022	0.825 0.845	0.025	0.572	0.012	0.823	0.023	0.874	0.02
Hungary	0.505 0.546	0.012	0.794 0.704	0.022	0.049 0.749	0.025	0.512 0.543	0.012	0.023 0.731	0.023	0.787	0.02
Poland	0.540 0.556	0.003 0.015	$0.704 \\ 0.799$	0.007	0.745 0.821	0.003 0.021	0.543 0.562	0.008	0.826	0.003	0.856	0.01
Portugal	0.602	0.013 0.007	0.733 0.771	0.021 0.019	0.821 0.822	0.021 0.023	0.502 0.604		0.320 0.799	0.021 0.019	0.850 0.857	0.01
Turkey	0.002 0.528	0.007 0.012	0.682	0.019 0.009	0.822 0.720	0.023 0.009	$0.004 \\ 0.548$	0.008	0.799	0.019	0.837	0.02
Middle East	0.528	0.012	0.082	0.009	0.720	0.009	0.548	0.010	0.700	0.009	0.75	0.00
Israel	0.558	0.010	0.73	0.010	0.75	0.010	0.54	0.011	0.74	0.010	0.75	0.01
Israel	0.008											
Pakistan	0.543	0.010	0.761	0.012	0.741	0.010	0.542	0.008	0.780	0.014	0.751	0.01

TABLE II

Wald Statistics for the restriction H=0.5 for mean, squared and absolute banking equity returns.

Country	_		~ .						~ .			
	Returns		Squared		Absolute		Returns		Squared		Absolute	
Developed	10.050		4 4 4 0 40		440.000		14 500		004 150		404.004	
Markets	19.258	0.40	444.242	0.00	448.088	0.00	14.562	0 70	394.156	0.00	404.294	0.00
Australia	0.64	0.42	224.67	0.00	257.76	0.00	0.15	0.70	207.98	0.00	214.59	0.00
Austria	20.94	0.00	512.98	0.00	491.01	0.00	15.73	0.00	444.10	0.00	417.18	0.00
Belgium	2.10	0.15	338.47	0.00	384.96	0.00	0.11	0.74	281.49	0.00	320.49	0.00
Canada	4.27	0.04	482.84	0.00	488.87	0.00	18.57	0.00	534.29	0.00	513.79	0.00
Denmark	18.87	0.00	393.98	0.00	415.32	0.00	0.48	0.49	343.71	0.00	532.21	0.00
Finland	9.60	0.00	203.57	0.00	416.17	0.00	9.60	0.00	186.69	0.00	307.32	0.00
France	0.75	0.39	420.92	0.00	480.98	0.00	12.30	0.00	381.95	0.00	445.80	0.00
Germany	0.06	0.80	658.85	0.00	722.37	0.00	0.01	0.92	584.50	0.00	581.47	0.00
Hong Kong	54.21	0.00	228.67	0.00	201.52	0.00	34.18	0.00	220.64	0.00	213.78	0.00
Ireland	27.97	0.00	180.39	0.00	216.87	0.00	39.66	0.00	222.84	0.00	275.20	0.00
Italy	52.81	0.00	646.00	0.00	716.40	0.00	18.26	0.00	602.65	0.00	665.56	0.00
Japan	16.21	0.00	333.49	0.00	281.57	0.00	33.61	0.00	402.88	0.00	341.88	0.00
Netherlands	4.65	0.03	471.40	0.00	530.08	0.00	1.71	0.19	408.61	0.00	419.31	0.00
Norway	39.94	0.00	366.38	0.00	377.34	0.00	7.56	0.01	344.11	0.00	366.41	0.00
Singapore	110.59	0.00	252.33	0.00	201.50	0.00	81.17	0.00	192.28	0.00	152.21	0.00
Spain	0.99	0.32	888.23	0.00	679.19	0.00	0.71	0.40	664.19	0.00	553.93	0.00
Sweden	1.38	0.24	456.21	0.00	631.37	0.00	0.06	0.81	486.90	0.00	530.18	0.00
Switzerland	10.24	0.00	476.03	0.00	525.30	0.00	6.63	0.01	442.25	0.00	475.33	0.00
United Kingdom	0.97	0.33	590.61	0.00	407.56	0.00	1.18	0.28	501.50	0.00	416.86	0.00
US	7.97	0.00	758.81	0.00	535.61	0.00	9.56	0.00	429.57	0.00	342.37	0.00
Emerging												
Markets	65.064		335.581		395.873		77.669		339.316		392.523	
Latin												
America	72.250		241 067		218 276						316.158	
			241.967		318.376		86.877		239.608			
Argentina	45.04	0.00	223.01	0.00	310.93	0.00	35.71	0.00	199.51	0.00	260.02	0.00
Brazil	$45.04 \\ 29.90$	0.00	$223.01 \\ 205.61$	0.00	$310.93 \\ 396.09$	0.00	$35.71 \\ 49.79$	0.00	$199.51 \\ 204.93$	0.00	260.02 383.44	0.00
Brazil Chile	45.04 29.90 111.97	$\begin{array}{c} 0.00\\ 0.00 \end{array}$	223.01 205.61 132.20	$\begin{array}{c} 0.00\\ 0.00\end{array}$	310.93 396.09 244.20	$\begin{array}{c} 0.00\\ 0.00\end{array}$	$35.71 \\ 49.79 \\ 191.99$	$\begin{array}{c} 0.00\\ 0.00\end{array}$	199.51 204.93 184.00	$\begin{array}{c} 0.00\\ 0.00 \end{array}$	$\begin{array}{c} 260.02 \\ 383.44 \\ 323.75 \end{array}$	$\begin{array}{c} 0.00\\ 0.00\end{array}$
Brazil Chile Mexico	$\begin{array}{r} 45.04 \\ 29.90 \\ 111.97 \\ 48.43 \end{array}$	$\begin{array}{c} 0.00 \\ 0.00 \\ 0.00 \end{array}$	$\begin{array}{c} 223.01 \\ 205.61 \\ 132.20 \\ 349.74 \end{array}$	$0.00 \\ 0.00 \\ 0.00$	$\begin{array}{c} 310.93 \\ 396.09 \\ 244.20 \\ 396.46 \end{array}$	$0.00 \\ 0.00 \\ 0.00$	$\begin{array}{r} 35.71 \\ 49.79 \\ 191.99 \\ 41.38 \end{array}$	$\begin{array}{c} 0.00 \\ 0.00 \\ 0.00 \end{array}$	$ 199.51 \\ 204.93 \\ 184.00 \\ 353.65 $	$0.00 \\ 0.00 \\ 0.00$	260.02 383.44 323.75 373.87	$0.00 \\ 0.00 \\ 0.00$
Brazil Chile Mexico Peru	$\begin{array}{r} 45.04 \\ 29.90 \\ 111.97 \\ 48.43 \\ 125.91 \end{array}$	$\begin{array}{c} 0.00\\ 0.00 \end{array}$	223.01 205.61 132.20 349.74 299.28	$\begin{array}{c} 0.00\\ 0.00\end{array}$	$\begin{array}{c} 310.93 \\ 396.09 \\ 244.20 \\ 396.46 \\ 244.20 \end{array}$	$\begin{array}{c} 0.00\\ 0.00\end{array}$	$\begin{array}{r} 35.71 \\ 49.79 \\ 191.99 \\ 41.38 \\ 115.52 \end{array}$	$\begin{array}{c} 0.00\\ 0.00\end{array}$	$ 199.51 \\ 204.93 \\ 184.00 \\ 353.65 \\ 255.96 $	$\begin{array}{c} 0.00\\ 0.00 \end{array}$	260.02 383.44 323.75 373.87 239.71	$\begin{array}{c} 0.00\\ 0.00\end{array}$
Brazil Chile Mexico Peru Asia	45.04 29.90 111.97 48.43 125.91 93.642	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00 \end{array}$	223.01 205.61 132.20 349.74 299.28 325.353	$0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00$	310.93 396.09 244.20 396.46 244.20 283.416	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00 \end{array}$	35.71 49.79 191.99 41.38 115.52 131.738	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00 \end{array}$	199.51 204.93 184.00 353.65 255.96 316.096	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00 \end{array}$	260.02 383.44 323.75 373.87 239.71 274.806	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00 \end{array}$
Brazil Chile Mexico Peru Asia India	45.04 29.90 111.97 48.43 125.91 93.642 8.13	0.00 0.00 0.00 0.00 0.00	223.01 205.61 132.20 349.74 299.28 325.353 675.20	0.00 0.00 0.00 0.00 0.00	310.93 396.09 244.20 396.46 244.20 283.416 591.85	0.00 0.00 0.00 0.00 0.00	35.71 49.79 191.99 41.38 115.52 131.738 20.48	0.00 0.00 0.00 0.00 0.00	199.51 204.93 184.00 353.65 255.96 316.096 620.83	0.00 0.00 0.00 0.00 0.00	260.02 383.44 323.75 373.87 239.71 274.806 484.00	0.00 0.00 0.00 0.00 0.00
Brazil Chile Mexico Peru Asia India Indonesia	45.04 29.90 111.97 48.43 125.91 93.642 8.13 56.69	0.00 0.00 0.00 0.00 0.00 0.00	223.01 205.61 132.20 349.74 299.28 325.353 675.20 79.90	0.00 0.00 0.00 0.00 0.00 0.00	310.93 396.09 244.20 396.46 244.20 283.416 591.85 77.98	0.00 0.00 0.00 0.00 0.00 0.00	35.71 49.79 191.99 41.38 115.52 131.738 20.48 51.82	0.00 0.00 0.00 0.00 0.00	199.51 204.93 184.00 353.65 255.96 316.096 620.83 98.52	0.00 0.00 0.00 0.00 0.00 0.00	260.02 383.44 323.75 373.87 239.71 274.806 484.00 101.69	0.00 0.00 0.00 0.00 0.00 0.00
Brazil Chile Mexico Peru Asia India Indonesia Korea	45.04 29.90 111.97 48.43 125.91 93.642 8.13 56.69 104.17	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	223.01 205.61 132.20 349.74 299.28 325.353 675.20 79.90 168.94	0.00 0.00 0.00 0.00 0.00 0.00 0.00	310.93 396.09 244.20 396.46 244.20 283.416 591.85 77.98 116.66	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{r} 35.71 \\ 49.79 \\ 191.99 \\ 41.38 \\ 115.52 \\ \hline \textbf{131.738} \\ 20.48 \\ 51.82 \\ 168.25 \\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00	199.51 204.93 184.00 353.65 255.96 316.096 620.83 98.52 171.33	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	260.02 383.44 323.75 373.87 239.71 274.806 484.00 101.69 116.77	0.00 0.00 0.00 0.00 0.00 0.00 0.00
Brazil Chile Mexico Peru Asia India Indonesia Korea Malaysia	$\begin{array}{r} 45.04\\ 29.90\\ 111.97\\ 48.43\\ 125.91\\ \textbf{93.642}\\ 8.13\\ 56.69\\ 104.17\\ 105.54\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	223.01 205.61 132.20 349.74 299.28 325.353 675.20 79.90 168.94 288.36	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{r} 310.93\\ 396.09\\ 244.20\\ 396.46\\ 244.20\\ \hline \textbf{283.416}\\ 591.85\\ 77.98\\ 116.66\\ 184.78\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{r} 35.71 \\ 49.79 \\ 191.99 \\ 41.38 \\ 115.52 \\ \hline \textbf{131.738} \\ 20.48 \\ 51.82 \\ 168.25 \\ 188.61 \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{c} 199.51\\ 204.93\\ 184.00\\ 353.65\\ 255.96\\ \hline \textbf{316.096}\\ 620.83\\ 98.52\\ 171.33\\ 267.25\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	260.02 383.44 323.75 373.87 239.71 274.806 484.00 101.69 116.77 183.92	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Brazil Chile Mexico Peru Asia India Indonesia Korea Malaysia The Philippines	$\begin{array}{r} 45.04\\ 29.90\\ 111.97\\ 48.43\\ 125.91\\ \textbf{93.642}\\ 8.13\\ 56.69\\ 104.17\\ 105.54\\ 237.82\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{c} 223.01\\ 205.61\\ 132.20\\ 349.74\\ 299.28\\ \hline \textbf{325.353}\\ 675.20\\ 79.90\\ 168.94\\ 288.36\\ 151.51\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{c} 310.93\\ 396.09\\ 244.20\\ 396.46\\ 244.20\\ \hline \textbf{283.416}\\ 591.85\\ 77.98\\ 116.66\\ 184.78\\ 123.41\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{r} 35.71 \\ 49.79 \\ 191.99 \\ 41.38 \\ 115.52 \\ \hline 131.738 \\ 20.48 \\ 51.82 \\ 168.25 \\ 188.61 \\ 269.60 \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{c} 199.51\\ 204.93\\ 184.00\\ 353.65\\ 255.96\\ \hline \textbf{316.096}\\ 620.83\\ 98.52\\ 171.33\\ 267.25\\ 159.75\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{c} 260.02\\ 383.44\\ 323.75\\ 373.87\\ 239.71\\ \hline \textbf{274.806}\\ 484.00\\ 101.69\\ 116.77\\ 183.92\\ 142.05\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Brazil Chile Mexico Peru Asia India Indonesia Korea Malaysia The Philippines Taiwan	$\begin{array}{r} 45.04\\ 29.90\\ 111.97\\ 48.43\\ 125.91\\ \textbf{93.642}\\ 8.13\\ 56.69\\ 104.17\\ 105.54\\ 237.82\\ 51.34\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{c} 223.01\\ 205.61\\ 132.20\\ 349.74\\ 299.28\\ \hline {\bf 325.353}\\ 675.20\\ 79.90\\ 168.94\\ 288.36\\ 151.51\\ 784.95 \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{c} 310.93\\ 396.09\\ 244.20\\ 396.46\\ 244.20\\ \hline \textbf{283.416}\\ \hline \textbf{591.85}\\ 77.98\\ 116.66\\ 184.78\\ 123.41\\ 569.09\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{r} 35.71 \\ 49.79 \\ 191.99 \\ 41.38 \\ 115.52 \\ \hline 131.738 \\ \hline 20.48 \\ 51.82 \\ 168.25 \\ 188.61 \\ 269.60 \\ 79.03 \\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{c} 199.51\\ 204.93\\ 184.00\\ 353.65\\ 255.96\\ \hline \textbf{316.096}\\ 620.83\\ 98.52\\ 171.33\\ 267.25\\ 159.75\\ 768.70\\ \end{array}$	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{r} 260.02\\ 383.44\\ 323.75\\ 373.87\\ 239.71\\ \hline \textbf{274.806}\\ 484.00\\ 101.69\\ 116.77\\ 183.92\\ 142.05\\ 590.09\\ \end{array}$	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$
Brazil Chile Mexico Peru Asia India Indonesia Korea Malaysia The Philippines Taiwan Thailand	$\begin{array}{r} 45.04\\ 29.90\\ 111.97\\ 48.43\\ 125.91\\ \hline \textbf{93.642}\\ 8.13\\ 56.69\\ 104.17\\ 105.54\\ 237.82\\ 51.34\\ 90.62\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	$\begin{array}{c} 223.01\\ 205.61\\ 132.20\\ 349.74\\ 299.28\\ \hline \textbf{325.353}\\ 675.20\\ 79.90\\ 168.94\\ 288.36\\ 151.51\\ 784.95\\ 101.88\\ \end{array}$	$\begin{array}{c} 0.00\\$	$\begin{array}{r} 310.93\\ 396.09\\ 244.20\\ 396.46\\ 244.20\\ \hline \textbf{283.416}\\ \hline \textbf{591.85}\\ 77.98\\ 116.66\\ 184.78\\ 123.41\\ 569.09\\ 98.43\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	$\begin{array}{r} 35.71 \\ 49.79 \\ 191.99 \\ 41.38 \\ 115.52 \\ \hline 131.738 \\ 20.48 \\ 51.82 \\ 168.25 \\ 188.61 \\ 269.60 \\ 79.03 \\ 157.03 \end{array}$	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 199.51\\ 204.93\\ 184.00\\ 353.65\\ 255.96\\ \hline \textbf{316.096}\\ 620.83\\ 98.52\\ 171.33\\ 267.25\\ 159.75\\ 768.70\\ 106.21\\ \end{array}$	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{r} 260.02\\ 383.44\\ 323.75\\ 373.87\\ 239.71\\ \hline \textbf{274.806}\\ 484.00\\ 101.69\\ 116.77\\ 183.92\\ 142.05\\ 590.09\\ 104.33\\ \end{array}$	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$
Brazil Chile Mexico Peru Asia India Indonesia Korea Malaysia The Philippines Taiwan Thailand Sri Lanka	$\begin{array}{r} 45.04\\ 29.90\\ 111.97\\ 48.43\\ 125.91\\ \hline \textbf{93.642}\\ 8.13\\ 56.69\\ 104.17\\ 105.54\\ 237.82\\ 51.34\\ 90.62\\ 94.82\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{c} 223.01\\ 205.61\\ 132.20\\ 349.74\\ 299.28\\ \hline \textbf{325.353}\\ \hline \textbf{675.20}\\ 79.90\\ 168.94\\ 288.36\\ 151.51\\ 784.95\\ 101.88\\ 352.09\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{c} 310.93\\ 396.09\\ 244.20\\ 396.46\\ 244.20\\ \hline \textbf{283.416}\\ 591.85\\ 77.98\\ 116.66\\ 184.78\\ 123.41\\ 569.09\\ 98.43\\ 505.12\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{r} 35.71 \\ 49.79 \\ 191.99 \\ 41.38 \\ 115.52 \\ \hline 131.738 \\ 20.48 \\ 51.82 \\ 168.25 \\ 188.61 \\ 269.60 \\ 79.03 \\ 157.03 \\ 119.08 \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{c} 199.51\\ 204.93\\ 184.00\\ 353.65\\ 255.96\\ \hline \textbf{316.096}\\ \hline \textbf{620.83}\\ 98.52\\ 171.33\\ 267.25\\ 159.75\\ 768.70\\ 106.21\\ 336.17\\ \end{array}$	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 260.02\\ 383.44\\ 323.75\\ 373.87\\ 239.71\\ \hline \textbf{274.806}\\ 484.00\\ 101.69\\ 116.77\\ 183.92\\ 142.05\\ 590.09\\ 104.33\\ 475.60\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Brazil Chile Mexico Peru Asia India Indonesia Korea Malaysia The Philippines Taiwan Thailand Sri Lanka Europe	45.04 29.90 111.97 48.43 125.91 93.642 8.13 56.69 104.17 105.54 237.82 51.34 90.62 94.82 68.463	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	223.01 205.61 132.20 349.74 299.28 325.353 675.20 79.90 168.94 288.36 151.51 784.95 101.88 352.09 344.044	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	310.93 396.09 244.20 396.46 244.20 283.416 591.85 77.98 116.66 184.78 123.41 569.09 98.43 505.12 370.280	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	35.71 49.79 191.99 41.38 115.52 131.738 20.48 51.82 168.25 188.61 269.60 79.03 157.03 119.08 70.236	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	199.51 204.93 184.00 353.65 255.96 316.096 620.83 98.52 171.33 267.25 159.75 768.70 106.21 336.17 378.608	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	260.02 383.44 323.75 373.87 239.71 274.806 484.00 101.69 116.77 183.92 142.05 590.09 104.33 475.60 393.259	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Brazil Chile Mexico Peru Asia India Indonesia Korea Malaysia The Philippines Taiwan Thailand Sri Lanka Europe Czech Republic	45.04 29.90 111.97 48.43 125.91 93.642 8.13 56.69 104.17 105.54 237.82 51.34 90.62 94.82 68.463 136.02	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	223.01 205.61 132.20 349.74 299.28 325.353 675.20 79.90 168.94 288.36 151.51 784.95 101.88 352.09 344.044 329.08	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	310.93 396.09 244.20 396.46 244.20 283.416 591.85 77.98 116.66 184.78 123.41 569.09 98.43 505.12 370.280 269.43	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{r} 35.71 \\ 49.79 \\ 191.99 \\ 41.38 \\ 115.52 \\ \hline 131.738 \\ 20.48 \\ 51.82 \\ 168.25 \\ 188.61 \\ 269.60 \\ 79.03 \\ 157.03 \\ 119.08 \\ \hline 70.236 \\ 134.20 \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	199.51 204.93 184.00 353.65 255.96 316.096 620.83 98.52 171.33 267.25 159.75 768.70 106.21 336.17 378.608 303.96	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	260.02 383.44 323.75 373.87 239.71 274.806 484.00 101.69 116.77 183.92 142.05 590.09 104.33 475.60 393.259 235.60	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Brazil Chile Mexico Peru Asia India Indonesia Korea Malaysia The Philippines Taiwan Thailand Sri Lanka Europe Czech Republic Greece	45.04 29.90 111.97 48.43 125.91 93.642 8.13 56.69 104.17 105.54 237.82 51.34 90.62 94.82 68.463 136.02 30.05	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	223.01 205.61 132.20 349.74 299.28 325.353 675.20 79.90 168.94 288.36 151.51 784.95 101.88 352.09 344.044 329.08 181.51	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	310.93 396.09 244.20 396.46 244.20 283.416 591.85 77.98 116.66 184.78 123.41 569.09 98.43 505.12 370.280 269.43 189.84	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{r} 35.71 \\ 49.79 \\ 191.99 \\ 41.38 \\ 115.52 \\ \hline 131.738 \\ 20.48 \\ 51.82 \\ 168.25 \\ 188.61 \\ 269.60 \\ 79.03 \\ 157.03 \\ 119.08 \\ \hline 70.236 \\ \hline 134.20 \\ 36.60 \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	199.51 204.93 184.00 353.65 255.96 316.096 620.83 98.52 171.33 267.25 159.75 768.70 106.21 336.17 378.608 303.96 198.23	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	260.02 383.44 323.75 373.87 239.71 274.806 484.00 101.69 116.77 183.92 142.05 590.09 104.33 475.60 393.259 235.60 193.14	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Brazil Chile Mexico Peru Asia India Indonesia Korea Malaysia The Philippines Taiwan Thailand Sri Lanka Europe Czech Republic Greece Hungary	$\begin{array}{r} 45.04\\ 29.90\\ 111.97\\ 48.43\\ 125.91\\ \textbf{93.642}\\ \textbf{8.13}\\ 56.69\\ 104.17\\ 105.54\\ 237.82\\ 51.34\\ 90.62\\ 94.82\\ \textbf{68.463}\\ 136.02\\ 30.05\\ 26.65\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	223.01 205.61 132.20 349.74 299.28 325.353 675.20 79.90 168.94 288.36 151.51 784.95 101.88 352.09 344.044 329.08 181.51 768.85	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	310.93 396.09 244.20 396.46 244.20 283.416 591.85 77.98 116.66 184.78 123.41 569.09 98.43 505.12 370.280 269.43 189.84 774.22	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{r} 35.71\\ 49.79\\ 191.99\\ 41.38\\ 115.52\\ \hline 131.738\\ 20.48\\ 51.82\\ 168.25\\ 188.61\\ 269.60\\ 79.03\\ 157.03\\ 119.08\\ \hline 70.236\\ \hline 134.20\\ 36.60\\ 26.22\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	199.51 204.93 184.00 353.65 255.96 316.096 620.83 98.52 171.33 267.25 159.75 768.70 106.21 336.17 378.608 303.96 198.23 813.12	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	260.02 383.44 323.75 373.87 239.71 274.806 484.00 101.69 116.77 183.92 142.05 590.09 104.33 475.60 393.259 235.60 193.14 686.95	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Brazil Chile Mexico Peru Asia India Indonesia Korea Malaysia The Philippines Taiwan Thailand Sri Lanka Europe Czech Republic Greece Hungary Poland	$\begin{array}{r} 45.04\\ 29.90\\ 111.97\\ 48.43\\ 125.91\\ \textbf{93.642}\\ \textbf{8.13}\\ 56.69\\ 104.17\\ 105.54\\ 237.82\\ 51.34\\ 90.62\\ 94.82\\ \textbf{68.463}\\ 136.02\\ 30.05\\ 26.65\\ 13.45\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	223.01 205.61 132.20 349.74 299.28 325.353 675.20 79.90 168.94 288.36 151.51 784.95 101.88 352.09 344.044 329.08 181.51 768.85 194.46	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	310.93 396.09 244.20 396.46 244.20 283.416 591.85 77.98 116.66 184.78 123.41 569.09 98.43 505.12 370.280 269.43 189.84 774.22 244.78	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{r} 35.71\\ 49.79\\ 191.99\\ 41.38\\ 115.52\\ \hline 131.738\\ 20.48\\ 51.82\\ 168.25\\ 188.61\\ 269.60\\ 79.03\\ 157.03\\ 119.08\\ \hline 70.236\\ \hline 134.20\\ 36.60\\ 26.22\\ 19.38\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	199.51 204.93 184.00 353.65 255.96 316.096 620.83 98.52 171.33 267.25 159.75 768.70 106.21 336.17 378.608 303.96 198.23 813.12 237.98	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{r} 260.02\\ 383.44\\ 323.75\\ 373.87\\ 239.71\\ \hline \end{tabular}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Brazil Chile Mexico Peru Asia India Indonesia Korea Malaysia The Philippines Taiwan Thailand Sri Lanka Europe Czech Republic Greece Hungary Poland Portugal	$\begin{array}{r} 45.04\\ 29.90\\ 111.97\\ 48.43\\ 125.91\\ \textbf{93.642}\\ \textbf{93.642}\\ \textbf{93.642}\\ \textbf{93.642}\\ 104.17\\ 105.54\\ 237.82\\ 51.34\\ 90.62\\ 94.82\\ \textbf{68.463}\\ 136.02\\ 30.05\\ 26.65\\ 13.45\\ 199.41\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	223.01 205.61 132.20 349.74 299.28 325.353 675.20 79.90 168.94 288.36 151.51 784.95 101.88 352.09 344.044 329.08 181.51 768.85 194.46 207.25	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	310.93 396.09 244.20 396.46 244.20 283.416 591.85 77.98 116.66 184.78 123.41 569.09 98.43 505.12 370.280 269.43 189.84 774.22 244.78 197.87	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{r} 35.71\\ 49.79\\ 191.99\\ 41.38\\ 115.52\\ \hline 131.738\\ \hline 20.48\\ 51.82\\ 168.25\\ 188.61\\ 269.60\\ 79.03\\ 157.03\\ 119.08\\ \hline 70.236\\ \hline 134.20\\ 36.60\\ 26.22\\ 19.38\\ 181.34\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	199.51 204.93 184.00 353.65 255.96 316.096 620.83 98.52 171.33 267.25 159.75 768.70 106.21 336.17 378.608 303.96 198.23 813.12 237.98 249.91	0.00 0.00	$\begin{array}{r} 260.02\\ 383.44\\ 323.75\\ 373.87\\ 239.71\\ \hline \end{tabular}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Brazil Chile Mexico Peru Asia India Indonesia Korea Malaysia The Philippines Taiwan Thailand Sri Lanka Europe Czech Republic Greece Hungary Poland Portugal Turkey	$\begin{array}{r} 45.04\\ 29.90\\ 111.97\\ 48.43\\ 125.91\\ \hline \textbf{93.642}\\ \hline \textbf{93.642}\\ \hline \textbf{93.642}\\ \hline \textbf{93.642}\\ 104.17\\ 105.54\\ 237.82\\ 51.34\\ 90.62\\ 94.82\\ \hline \textbf{68.463}\\ 136.02\\ 30.05\\ 26.65\\ 13.45\\ 199.41\\ 5.19\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	223.01 205.61 132.20 349.74 299.28 325.353 6 75.20 79.90 168.94 288.36 151.51 784.95 101.88 352.09 344.044 329.08 181.51 768.85 194.46 207.25 383.11	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{c} 310.93\\ 396.09\\ 244.20\\ 396.46\\ 244.20\\ \hline \\ \textbf{283.416}\\ \hline \\ \textbf{591.85}\\ 77.98\\ 116.66\\ 184.78\\ 123.41\\ 569.09\\ 98.43\\ 505.12\\ \hline \\ \textbf{370.280}\\ \hline \\ \textbf{269.43}\\ 189.84\\ 774.22\\ 244.78\\ 197.87\\ 545.54\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{r} 35.71\\ 49.79\\ 191.99\\ 41.38\\ 115.52\\ \hline 131.738\\ 20.48\\ 51.82\\ 168.25\\ 188.61\\ 269.60\\ 79.03\\ 157.03\\ 119.08\\ \hline 70.236\\ \hline 134.20\\ 36.60\\ 26.22\\ 19.38\\ 181.34\\ 23.68\end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	199.51 204.93 184.00 353.65 255.96 316.096 620.83 98.52 171.33 267.25 159.75 768.70 106.21 336.17 378.608 303.96 198.23 813.12 237.98 249.91 468.45	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	$\begin{array}{r} 260.02\\ 383.44\\ 323.75\\ 373.87\\ 239.71\\ \hline \end{tabular}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Brazil Chile Mexico Peru Asia India Indonesia Korea Malaysia The Philippines Taiwan Thailand Sri Lanka Europe Czech Republic Greece Hungary Poland Portugal Turkey Middle East	45.04 29.90 111.97 48.43 125.91 93.642 8.13 56.69 104.17 105.54 237.82 51.34 90.62 94.82 68.463 136.02 30.05 26.65 13.45 199.41 5.19 25.90	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	223.01 205.61 132.20 349.74 299.28 325.353 675.20 79.90 168.94 288.36 151.51 784.95 101.88 352.09 344.044 329.08 181.51 768.85 194.46 207.25 383.11 430.96	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	310.93 396.09 244.20 396.46 244.20 283.416 591.85 77.98 116.66 184.78 123.41 569.09 98.43 505.12 370.280 269.43 189.84 774.22 244.78 197.87 545.54 611.42	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	35.71 49.79 191.99 41.38 115.52 131.738 20.48 51.82 168.25 188.61 269.60 79.03 157.03 119.08 70.236 134.20 36.60 26.22 19.38 181.34 23.68 21.83	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	199.51 204.93 184.00 353.65 255.96 316.096 620.83 98.52 171.33 267.25 159.75 768.70 106.21 336.17 378.608 303.96 198.23 813.12 237.98 249.91 468.45	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	260.02 383.44 323.75 373.87 239.71 274.806 484.00 101.69 116.77 183.92 142.05 590.09 104.33 475.60 393.259 235.60 193.14 686.95 342.55 258.37 642.95 585.87	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Brazil Chile Mexico Peru Asia India Indonesia Korea Malaysia The Philippines Taiwan Thailand Sri Lanka Europe Czech Republic Greece Hungary Poland Portugal Turkey	$\begin{array}{r} 45.04\\ 29.90\\ 111.97\\ 48.43\\ 125.91\\ \hline \textbf{93.642}\\ \hline \textbf{93.642}\\ \hline \textbf{93.642}\\ \hline \textbf{93.642}\\ 104.17\\ 105.54\\ 237.82\\ 51.34\\ 90.62\\ 94.82\\ \hline \textbf{68.463}\\ 136.02\\ 30.05\\ 26.65\\ 13.45\\ 199.41\\ 5.19\\ \end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	223.01 205.61 132.20 349.74 299.28 325.353 6 75.20 79.90 168.94 288.36 151.51 784.95 101.88 352.09 344.044 329.08 181.51 768.85 194.46 207.25 383.11	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	$\begin{array}{c} 310.93\\ 396.09\\ 244.20\\ 396.46\\ 244.20\\ \hline \\ \textbf{283.416}\\ \hline \\ \textbf{591.85}\\ 77.98\\ 116.66\\ 184.78\\ 123.41\\ 569.09\\ 98.43\\ 505.12\\ \hline \\ \textbf{370.280}\\ \hline \\ \textbf{269.43}\\ 189.84\\ 774.22\\ 244.78\\ 197.87\\ 545.54\\ \end{array}$	0.00 0.00	$\begin{array}{r} 35.71\\ 49.79\\ 191.99\\ 41.38\\ 115.52\\ \hline 131.738\\ 20.48\\ 51.82\\ 168.25\\ 188.61\\ 269.60\\ 79.03\\ 157.03\\ 119.08\\ \hline 70.236\\ \hline 134.20\\ 36.60\\ 26.22\\ 19.38\\ 181.34\\ 23.68\end{array}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	199.51 204.93 184.00 353.65 255.96 316.096 620.83 98.52 171.33 267.25 159.75 768.70 106.21 336.17 378.608 303.96 198.23 813.12 237.98 249.91 468.45	0.00 0.00	$\begin{array}{r} 260.02\\ 383.44\\ 323.75\\ 373.87\\ 239.71\\ \hline \end{tabular}$	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00