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"Silk Road Cities Network and Global Urban Competitiveness" Workshop & Press Release

December 28 ,2016, Beijing, China - The "Silk Road Cities Network and Global Urban Competitiveness" breakout session was held on the CAIJING Annual Conference organized by the National Academy of Economic Strategy, Chinese Academy of Social Sciences (CASS), China Social Science Press, and IFeng Finance Institute. During the breakout session, academic discussions were focused on the Silk Road Cities Network. Keynote speakers includes LU Da dao, Academician of Chinese Academy of Science, Chairman of the Geographical Society of China; HOU Yong zhi, Director of the Department of Development Strategy and Regional Economy, Development Research Center of the State Council of the P.R.C; HUANG Qun hui, Director of the Institute of Industrial Economy, CASS; SHI Yulong, Director of the Institute of Spatial Planning & Regional Economy， National Development and Reform Commission P.R.C; TU Qi yu, Deputy Director of the Institute of Urban and Demographic Studies, Shanghai Academy of Social Sciences. SONG Rui, Director of the CASS Tourism Research Center and LIU Yang ping, Vise Director of the CASS Institute of City and Real Estate also provided reviews.

HE De xu, Director of the CASS National Academy of Economic Strategy; ZHAO Jian ying, Chairman and Chief Editor of the China Social Science Press; and LIU Bing, Director General of the IFeng provided remarks. The "Global Urban Competitiveness Report 2017——Cities Network along the Silk Road", is authored by the CASS (National Academy of Economic Strategy)-UN-Habitat joint research group. NI Peng fei, Director of the CASS City and Competitiveness Research Center, Leader of the CASS-UN-Habitat joint research group, Chief Urban Economist; and Marco Kamiya, Coordinator of Urban Economy and Finance Branch of UN-Habitat, Co-Leader of the CASS-UN-Habitat joint research group provided overviews of the

project. Ding Ru xi, Post-doc at the CASS National Academy of Economic Strategy introduced the thematic report on “Cities Network along the Silk Road”.

The preface of the report is addressed by WANG Wei guang, President of CASS, and Joan CLOS, Executive director of UN-Habitat and Deputy Secretary General of the United Nations. As a joint research output by leading international experts from CASS and UN-Habitat, the report will be released in the headquarter of CASS and UN-Habitat and is going to be published by the Springer publisher.

The global competitiveness index system is based on the global urban competitiveness input framework with six dimensions. This report is an empirical study and evaluation of the potential competitiveness of 505 cities around the world. The data analyses **revealed significant changes (and potential changes) on the status quo of global urban competitiveness, with the global economy center shifting towards the east.** Among the 505 measured sample cities, the **TOP 10 competitive cities (by sequence) are: London, New York, Tokyo, Paris, Singapore City, Hong Kong, Shanghai, Beijing, Sydney, and Frankford. With more Asian cities than European and North American cities among the TOP 10, we have observed a trend of the rising of Asian cities. Among the most developed urban areas all around the globe, European, American and Asian cities are in the similar development level.** An inter-continental comparison shows that 1) In Asia, while only a very small percentage of cities rank high, most of the cities are lagging behind. 2) In Europe, a small variation is found among cities. Russian cities rank relatively lower among European cities. 3) In North America, advanced cities rank high among all cities. And small variation is found within cities in the region. In other regions, on the one hand, Oceania is leading in the south hemisphere. On the other hand, South American cities rank slightly higher than African cities.

Among the TOP 100 competitive cities, 37 of them are from Europe, 38 are from North America,19 are from Asia, and 6 are from the Oceania. None of the South American and African cities makes to the TOP 100 list. Among the TOP 20 competitive cities in Asia, 7 are from China and 6 are from Japan. The rest of the TOP 20 Asian cities are located in Singapore, Korea, Saudi Arabia, Thailand, and Malaysia.

The research illustrates that the China has an intermediate overall level of urban competitiveness **with large variation. Only small number of cities topped the list while a large number cities are underperformed.** The average score (index) of the 69 sample cities from China is 0.310, slightly higher than that of the world average. Top Chinese cities such as Hong Kong, Shanghai, and Beijing are listed among the global TOP 10 cities, being the most competitive cities worldwide. However, there are only 17 Chinese cities among the TOP 200 global competitive cities. The coefficient of variation of China is 0.3774, lower than most of the developed countries. TOP 20 Chinese cities (by seqence in global rankings): Hong Kong (6), Shanghai (7), Beijing (8), Taipei (25), Shenzhen (66), Guangzhou (74), Macao (81), Tianjin(138), Hangzhou (139), Dongguan (154), Xi'an (161), Kaohsiung (168), Dalian (175), Suzhou (184), Hsinchu (186), Nanjing (187), Xiamen (198), Wuhan (215) and Ningbo (217).**Besides, it is worth mentioning that, the index system used in this research is different from that for the "China Urban Competitiveness Report" released earlier this year. The global urban competitiveness index focuses more on potential competitiveness. The research group believes that the earlier research conclusion of Shenzhen being the most competitive Chinese city remains sound.**

Compared to the United States, the largest economy in the world, **even though the top Chinese cities are among the club of the most developed cities internationally, which represents the rising urban competitiveness of China, the overall urban development level (average score of 0.31) is significantly lower than that of the U.S. (average score of 0.46).** Also, the degree of balance in Chinese cities (coefficient of variation of 0.3774) are not as good that of the U.S. (coefficient of variation of 0.2226). **Insufficient number of cities with upper-middle level competitiveness is the main explanation of China's overall phenomenon.**

Looking at the global urban competitiveness in each dimension, we have the following findings:1) **Key cities such as London, New York, Tokyo, Singapore city, Shanghai are far ahead in "Company Strength". In this dimension, most of the sample cities score under the world average. Huge variation among cities is revealed all over the globe in terms of their attractiveness to multi-national enterprises and their industrial structure.** 2) An almost

normal distribution (of index) is demonstrated in the "Local Demands" dimension. **In this dimension, European and North American cities are of similar performance while Asian cities demonstrate big potential.** 3) In the "Local Element" dimension, European and Asian cities perform better than North American cities. 4) In the **"Hardware Environment" dimension, prominent advantages are reflected in European and North American cities. Central Asia, Africa and Latin America fall behind.** 5) In the "Software Environment" dimension, European and North American cities score high in urban environment indicators while Africa and Latin American cities score low in these areas. 6) **In the "Global Connection" dimension, significant variation is found among cities: European and North American cities are the center of world connectivity; Major cities from the emerging economies are catching up; African and Latin American cities are relatively marginalized.**

The degree of global connection has become a key factor that affects the level of innovation in cities. First, the global technological innovation activities are clustered and unbalanced in geographic distribution. Second, Scientific innovation has become a crucial symbol of international cities. Third, the level of global connection of the primary cities represent or even surpass that of the country. Fourth, **as the representative of the highest level of global connection, the connection of primary cities is being improved by the deepening agglomeration and connection of functional agencies.** Connections among primary cities remain to be characterized by the regional connections. Thus, **the capacity of accommodating high-end industries becomes the basis of connection among primary cities.** The demands for international trade reflect the global connection among primary cities. In the future, **cities from the emerging economies are catching up from behind with advancing efficiency and visions to enter the club of global elite cities.**

The urban software environment elements became very influential factors for enterprises in choosing their location as companies are always sensitive to their hosting environment**. In both Foreign Direct Investment and Domestic Direct Investment networks, Chinese cities present patterns of clusters in geographic distribution.** The Domestic Direct Investment networks contains relatively fixed sub networks. Compared to other regions, the Yangtze River Delta area are more agglomerative and balanced. Investors and City decision makers should

take the network agglomeration effects and locational factors into consideration when making strategic plans.

The competitiveness of metropolises is a new topic with gradually increasing significance. The planning and governance of large metropolises are essential not only to the cities themselves but also to the competitiveness of their countries. Due to the complexity of metropolises, effective policies should integrate sectors such as economic development, planning, and fiscal management. Also, the governance of large metropolises should be placed in the integrated background of formal and informal economic, planning and fiscal framework.

The thematic report analysis the cities and regions along the silk road on their status of urban development and global connections based on rich data resources. The report renders that cities are the engines of regional, national and trans-national economic and social development. Connections among cities provides vital supports to the open collaboration among countries and regions. **The overall urban development level of cities along the silk road presents a U-shape with the high east and west ends, and caved central area.** Specifically speaking, cities in the eastern end (China, etc) develop rapidly with high variation within the region. Cities in the western end (Europe) are with high development level but relatively slower growth rate; Cities located in the central area (Central Asia, West Asia, South Asia, East and north Africa) are with an overall lower urban development level with high variation within the region.

The connections among the cities network along the silk road follows a pattern with key cities from eastern and western end dominant the international connection. At the same time, the connection surpasses most of cities located in the central area. Key Cities from Subzone in East Asia, South East Asia, West Europe, Central Europe are with advantages in global networks. **The TOP 10 cities are (by sequence): London, Hong Kong, Paris, Singapore City, Shanghai, Dubai, Beijing, Milan, Mumbai, and Moscow.** At the same time, however, key Cities from Subzone from North African, Northeast Asian, and Central Asian are under performed in the analyses. These cities are relatively closed and isolated. **Besides, a positive correlation is found between the degree of connection and the cities income level among**

cities along the silk road. A stage by stage variation on the degree of connection is found among cities with different population size. It is thus shown that the density of urban economy is the key element of their global connection.

The status quo and structure of the cities network along the silk road is under changes. Our research has outlined a map of city network **under the pattern of "central being the margin while margin being central"** and with **"established networks on the 2 ends while belt shaped pattern of connection in the center". This is to say that, in this network, the geographic centers are marginalized in terms of the degree of global connection, while the two geographic ends are the center of the global connection.** Also, **even though in irregular form, a silk road cities network and city structure is established.** Commercial service, production elements and industrial structure make up the main content of global connection among these cities. **Changes in the hardware and software environment deeply affects the shape and changing process of this network.**

Under the background of the improving infrastructure and policy, changing commodity and service trade, production elements, and industrial network, opportunities and challenges are both present. **The future cities network along the Silk Road will reflects a pattern of "Expanding Europe, Thickening Asia, Rising India and Africa, Dropping central Asia, and Dividing Middle East". A "3 networks 4 belt" (Asia cities network, European cities network, and South Asian cities network; and the cities belt along the 1st Euro-Asia cities bridge, 2nd Euro-Asia cities bridge, Marine time Cities belt, and the cities belt along the west coast of Africa) framework will be established. This network is going to change the world economic geography system through net extension, belt-shaped expansion and multi-polar supports.**

Recognizing the vital role of global urban competitiveness and sustainable development, CASS (National Academy of Economic Strategy) and UN-Habitat has reached to an agreement in research collaboration for the next 5 years. With a goal of producing practical analytical tools for cities all around world, as well as the New Urban Agenda, the research team plans to invite key international experts to conduct researches jointly on important topics centered around the "Global Urban Competitiveness Report".

Appendix:

Global Urban Competitiveness Index:

Annual Ranking

Global Urban Competitiveness Assessment Team

City	Country/region	Company Strength Index	Local Elements Index	Local Demand Index	Software Environment Index	Hardware Environment Index	Global Connection Index	Composite Urban Competitiveness Index	Ranking
London	United Kingdom	1.000	1.000	0.842	1.000	0.845	1.000	1.0000	1
New York	United States	0.990	0.889	0.923	0.948	0.726	0.949	0.9436	2
Tokyo	Japan	0.947	0.870	1.000	0.691	0.697	0.813	0.8617	3
Paris	France	0.773	0.556	0.984	0.653	0.726	0.959	0.7990	4
Singapore	Singapore	0.840	0.735	0.622	0.953	0.717	0.727	0.7695	5
Hong Kong	Hong Kong, China	0.776	0.670	0.628	0.951	0.694	0.795	0.7544	6
Shanghai	China	0.816	0.816	0.604	0.758	0.619	0.852	0.7395	7
Beijing	China	0.813	0.956	0.560	0.565	0.472	0.872	0.6833	8
Sydney	Australia	0.511	0.684	0.649	0.972	0.708	0.584	0.6687	9
Frankfurt	Germany	0.406	0.581	0.399	0.826	1.000	0.754	0.6608	10
Seoul	Republic of Korea	0.635	0.857	0.619	0.613	0.687	0.627	0.6543	11
Moscow	Russian Federation	0.577	0.706	0.764	0.555	0.538	0.861	0.6477	12
Chicago	United States	0.369	0.617	0.585	0.948	0.748	0.700	0.6454	13
Toronto	Canada	0.457	0.726	0.553	0.907	0.714	0.555	0.6272	14
Amsterdam	Netherlands	0.388	0.737	0.448	0.837	0.757	0.713	0.6249	15
Los Angeles	United States	0.434	0.781	0.709	0.916	0.487	0.630	0.6249	16
Houston	United States	0.364	0.685	0.572	0.948	0.646	0.637	0.6129	17
Milan	Italy	0.520	0.542	0.417	0.670	0.889	0.694	0.6086	18
Dublin	Ireland	0.483	0.669	0.426	0.865	0.717	0.605	0.5980	19
Seattle	United States	0.318	0.723	0.421	0.949	0.803	0.524	0.5936	20
Madrid	Spain	0.566	0.642	0.482	0.662	0.647	0.708	0.5881	21
Oslo	Norway	0.326	0.718	0.592	0.832	0.742	0.487	0.5856	22
San Francisco	United States	0.409	0.654	0.445	0.919	0.684	0.567	0.5778	23
Vienna	Austria	0.395	0.555	0.518	0.828	0.776	0.554	0.5770	24
Taipei	Taiwan, China	0.529	0.786	0.385	0.746	0.693	0.529	0.5742	25
Melbourne	Australia	0.393	0.566	0.629	0.908	0.654	0.457	0.5647	26
Zurich	Switzerland	0.305	0.838	0.512	0.565	0.793	0.562	0.5641	27
Philadelphia	United States	0.271	0.607	0.502	0.947	0.710	0.528	0.5570	28
San Jose	United States	0.331	0.732	0.471	0.885	0.816	0.326	0.5568	29

Osaka	Japan	0.454	0.562	0.643	0.659	0.718	0.485	0.5553	30
Stockholm	Sweden	0.403	0.630	0.466	0.727	0.736	0.566	0.5540	31
Phoenix City	United States	0.317	0.642	0.499	0.916	0.644	0.544	0.5526	32
Dallas	United States	0.381	0.479	0.489	0.917	0.637	0.635	0.5526	33
Boston	United States	0.367	0.715	0.415	0.885	0.636	0.551	0.5507	34
Dubai	United Arab Emirates	0.400	0.420	0.420	0.614	0.878	0.688	0.5482	35
San Diego	United States	0.294	0.698	0.489	0.951	0.691	0.408	0.5449	36
Barcelona	Spain	0.392	0.585	0.405	0.694	0.721	0.678	0.5447	37
Munich	Germany	0.334	0.567	0.464	0.762	0.760	0.561	0.5401	38
Copenhagen	Denmark	0.407	0.524	0.452	0.806	0.814	0.436	0.5397	39
Oakland (United States)	United States	0.254	0.686	0.385	0.949	0.787	0.416	0.5384	40
Washington	United States	0.389	0.652	0.417	0.948	0.504	0.615	0.5360	41
Atlanta	United States	0.435	0.569	0.392	0.853	0.565	0.665	0.5340	42
Berlin	Germany	0.393	0.475	0.561	0.697	0.661	0.622	0.5317	43
Hamburg	Germany	0.371	0.522	0.491	0.729	0.740	0.527	0.5265	44
Austin	United States	0.355	0.734	0.436	0.887	0.605	0.445	0.5253	45
Vancouver	Canada	0.290	0.775	0.386	0.874	0.637	0.485	0.5236	46
Charlotte	United States	0.219	0.597	0.424	0.854	0.729	0.551	0.5204	47
Montreal	Canada	0.277	0.534	0.495	0.875	0.673	0.505	0.5156	48
Helsinki	Finland	0.312	0.624	0.408	0.716	0.803	0.441	0.5095	49
Rome	Italy	0.396	0.524	0.493	0.670	0.565	0.678	0.5080	50
Bangkok	Thailand	0.412	0.650	0.386	0.791	0.551	0.578	0.5080	51
Jacksonville	United States	0.239	0.610	0.429	0.915	0.768	0.332	0.5014	52
Yokohama	Japan	0.204	0.489	0.566	0.788	0.781	0.419	0.5012	53
Edinburgh	United Kingdom	0.268	0.664	0.346	0.833	0.736	0.446	0.4997	54
Miami	United States	0.365	0.561	0.372	0.885	0.540	0.589	0.4968	55
Brussels	Belgium	0.404	0.582	0.276	0.810	0.616	0.605	0.4965	56
Milwaukee	United States	0.225	0.554	0.410	0.853	0.828	0.365	0.4960	57
Cincinnati	United States	0.274	0.502	0.365	0.950	0.752	0.389	0.4904	58
Manchester	United Kingdom	0.374	0.416	0.478	0.704	0.668	0.568	0.4903	59
Bergen	Norway	0.148	0.591	0.522	0.833	0.779	0.340	0.4888	60
Portland	United States	0.305	0.554	0.396	0.791	0.790	0.363	0.4865	61
Baltimore	United States	0.239	0.579	0.414	0.885	0.671	0.441	0.4855	62
Columbus	United States	0.326	0.573	0.434	0.886	0.696	0.310	0.4841	63
Arlington	United States	0.240	0.465	0.374	0.918	0.814	0.363	0.4832	64
Wellington	New Zealand	0.296	0.551	0.226	0.864	0.843	0.382	0.4792	65
Shenzhen	China	0.317	0.599	0.466	0.726	0.612	0.465	0.4756	66
Utrecht	Netherlands	0.168	0.561	0.367	0.839	0.732	0.486	0.4748	67
Kuala Lumpur	Malaysia	0.530	0.667	0.262	0.635	0.599	0.497	0.4732	68

Minneapolis	United States	0.292	0.692	0.372	0.821	0.523	0.495	0.4684	69
Brisbane	Australia	0.247	0.512	0.518	0.811	0.649	0.393	0.4674	70
Kyoto	Japan	0.138	0.687	0.460	0.659	0.831	0.324	0.4674	71
Cleveland	United States	0.317	0.385	0.378	0.950	0.718	0.368	0.4672	72
Stuttgart	Germany	0.209	0.506	0.388	0.826	0.694	0.484	0.4646	73
Guangzhou	China	0.313	0.699	0.492	0.533	0.557	0.542	0.4642	74
Auckland (New Zealand)	New Zealand	0.233	0.393	0.369	0.864	0.843	0.357	0.4640	75
Glasgow	United Kingdom	0.311	0.580	0.358	0.675	0.685	0.492	0.4631	76
Hague	Netherlands	0.148	0.575	0.409	0.807	0.728	0.430	0.4628	77
Denver	United States	0.261	0.559	0.419	0.823	0.505	0.579	0.4622	78
Istanbul	Turkey	0.419	0.385	0.472	0.563	0.478	0.770	0.4604	79
Geneva	Switzerland	0.340	0.503	0.458	0.564	0.736	0.448	0.4594	80
Macao	Macao, China	0.184	0.435	0.428	0.728	0.904	0.322	0.4564	81
Nashville	United States	0.301	0.533	0.403	0.821	0.631	0.401	0.4563	82
Birmingham	United Kingdom	0.359	0.427	0.401	0.774	0.665	0.434	0.4556	83
Leeds	United Kingdom	0.343	0.461	0.396	0.895	0.569	0.429	0.4540	84
Liverpool	United Kingdom	0.346	0.436	0.327	0.735	0.729	0.448	0.4509	85
Sacramento	United States	0.221	0.463	0.385	0.886	0.793	0.276	0.4508	86
Tel Aviv	Israel	0.266	0.564	0.352	0.819	0.656	0.408	0.4507	87
Bristol	United Kingdom	0.309	0.447	0.333	0.801	0.705	0.425	0.4477	88
Nottingham	United Kingdom	0.206	0.585	0.302	0.807	0.720	0.415	0.4475	89
Tampa	United States	0.247	0.454	0.359	0.950	0.683	0.324	0.4424	90
Raleigh	United States	0.167	0.601	0.372	0.887	0.679	0.324	0.4422	91
Fukuoka	Japan	0.279	0.621	0.448	0.659	0.746	0.246	0.4421	92
Essen	Germany	0.187	0.349	0.381	0.826	0.707	0.520	0.4421	93
Budapest	Hungary	0.458	0.569	0.299	0.689	0.584	0.437	0.4417	94
Anaheim	United States	0.158	0.303	0.356	0.885	0.817	0.417	0.4399	95
Las Vegas	United States	0.188	0.420	0.401	0.724	0.689	0.541	0.4397	96
Sheffield	United Kingdom	0.224	0.456	0.346	0.710	0.738	0.473	0.4366	97
Detroit	United States	0.234	0.503	0.452	0.915	0.681	0.209	0.4363	98
Adelaide	Australia	0.166	0.412	0.458	0.811	0.753	0.314	0.4296	99
Plymouth	United Kingdom	0.213	0.511	0.288	0.839	0.740	0.343	0.4284	100
Hanover	Germany	0.219	0.383	0.371	0.794	0.760	0.372	0.4276	101
Palo Alto	United States	0.131	0.561	0.248	0.982	0.766	0.260	0.4275	102
Ottawa	Canada	0.303	0.495	0.414	0.843	0.532	0.387	0.4272	103
Nagoya	Japan	0.149	0.592	0.527	0.659	0.760	0.226	0.4270	104
Pittsburgh	United States	0.253	0.621	0.356	0.756	0.584	0.398	0.4264	105
Rotterdam	Netherlands	0.279	0.442	0.415	0.807	0.684	0.295	0.4258	106

Bonn	Germany	0.241	0.422	0.332	0.826	0.690	0.390	0.4222	107
Wilmington	United States	0.147	0.595	0.272	0.724	0.850	0.287	0.4210	108
Canberra	Australia	0.186	0.519	0.368	0.917	0.717	0.209	0.4208	109
Lima	Peru	0.268	0.315	0.356	0.626	0.784	0.481	0.4205	110
Prague	Czech Republic	0.357	0.576	0.303	0.646	0.598	0.427	0.4169	111
Doha	Qatar	0.219	0.432	0.488	0.778	0.606	0.361	0.4164	112
Sao Paulo	Brazil	0.481	0.572	0.449	0.555	0.486	0.381	0.4164	113
Calgary	Canada	0.212	0.671	0.438	0.908	0.582	0.132	0.4147	114
St. Louis	United States	0.292	0.542	0.364	0.692	0.657	0.325	0.4127	115
Valencia	Spain	0.206	0.447	0.337	0.694	0.722	0.427	0.4121	116
Virginia	United States	0.244	0.365	0.379	0.727	0.783	0.309	0.4106	117
El Paso	United States	0.213	0.304	0.408	0.694	0.925	0.217	0.4106	118
San Antonio	United States	0.227	0.379	0.470	0.822	0.650	0.299	0.4102	119
Kuwait	Kuwait	0.133	0.338	0.462	0.727	0.715	0.428	0.4095	120
Memphis	United States	0.241	0.310	0.410	0.788	0.692	0.373	0.4089	121
Indianapolis	United States	0.208	0.631	0.439	0.725	0.596	0.280	0.4082	122
Buffalo	United States	0.181	0.413	0.339	0.886	0.778	0.224	0.4081	123
Santa Ana	United States	0.115	0.493	0.359	0.920	0.632	0.340	0.4069	124
Mumbai	India	0.543	0.609	0.403	0.384	0.376	0.574	0.4062	125
Cardiff	United Kingdom	0.248	0.421	0.312	0.807	0.757	0.261	0.4050	126
Aurora	United States	0.265	0.359	0.356	0.823	0.547	0.491	0.4050	127
Buenos Aires	Argentina	0.511	0.378	0.319	0.430	0.569	0.595	0.4044	128
Newcastle	United Kingdom	0.190	0.567	0.296	0.646	0.721	0.386	0.4029	129
Fort Worth	United States	0.164	0.441	0.419	0.725	0.593	0.472	0.4023	130
Mesa	United States	0.235	0.422	0.389	0.885	0.595	0.310	0.4022	131
Kawasaki	Japan	0.139	0.465	0.444	0.723	0.722	0.296	0.4019	132
Long Beach	United States	0.153	0.339	0.384	0.918	0.647	0.360	0.4008	133
New Orleans	United States	0.244	0.285	0.350	0.950	0.694	0.267	0.4001	134
Kansas	United States	0.271	0.372	0.387	0.854	0.590	0.329	0.3969	135
Mexico City	Mexico	0.371	0.532	0.527	0.382	0.464	0.526	0.3969	136
Dortmund	Germany	0.215	0.373	0.381	0.730	0.697	0.363	0.3966	137
Tianjin	China	0.291	0.540	0.479	0.629	0.521	0.348	0.3946	138
Hangzhou	China	0.119	0.685	0.414	0.597	0.665	0.309	0.3944	139
Athens	Greece	0.385	0.541	0.429	0.250	0.610	0.523	0.3925	140
Cologne	Germany	0.237	0.294	0.431	0.697	0.685	0.380	0.3922	141
Christchurch	New Zealand	0.144	0.468	0.266	0.864	0.849	0.147	0.3920	142
Honolulu	United States	0.208	0.445	0.369	0.791	0.698	0.243	0.3908	143
San Diego	Chile	0.257	0.409	0.400	0.783	0.555	0.368	0.3895	144
Lyon	France	0.303	0.430	0.355	0.592	0.623	0.437	0.3895	145
Nice	France	0.186	0.280	0.329	0.654	0.755	0.481	0.3894	146

Dusseldorf	Germany	0.310	0.251	0.385	0.826	0.460	0.538	0.3893	147
Goteborg	Sweden	0.223	0.411	0.412	0.663	0.835	0.146	0.3874	148
Hamilton (Canada)	Canada	0.210	0.548	0.375	0.780	0.635	0.216	0.3864	149
Hiroshima	Japan	0.142	0.592	0.438	0.626	0.720	0.199	0.3837	150
Bologna	Italy	0.105	0.534	0.306	0.670	0.722	0.371	0.3833	151
Marseille	France	0.176	0.281	0.398	0.623	0.732	0.443	0.3822	152
Dresden	Germany	0.197	0.395	0.371	0.698	0.688	0.327	0.3780	153
Dongguan	China	0.085	0.482	0.391	0.565	0.805	0.297	0.3740	154
Oklahoma	United States	0.085	0.422	0.404	0.821	0.626	0.321	0.3734	155
Johannesburg	South Africa	0.337	0.282	0.328	0.770	0.514	0.453	0.3728	156
Tulsa	United States	0.226	0.312	0.370	0.854	0.710	0.179	0.3720	157
Leipzig	Germany	0.141	0.350	0.374	0.633	0.784	0.325	0.3718	158
Edmonton	Canada	0.165	0.568	0.407	0.870	0.551	0.162	0.3709	159
Riyadh	Saudi Arabia	0.189	0.285	0.460	0.636	0.751	0.272	0.3690	160
Xi'an	China	0.234	0.512	0.382	0.533	0.602	0.385	0.3678	161
Hobart	Australia	0.122	0.337	0.328	0.692	0.891	0.189	0.3649	162
Belfast	United Kingdom	0.182	0.394	0.292	0.742	0.680	0.330	0.3645	163
Lisbon	Portugal	0.263	0.333	0.247	0.598	0.627	0.531	0.3632	164
Tucson	United States	0.229	0.382	0.397	0.823	0.487	0.344	0.3627	165
Shizuoka	Japan	0.235	0.561	0.393	0.594	0.709	0.129	0.3626	166
Warsaw	Poland	0.452	0.428	0.294	0.507	0.551	0.392	0.3612	167
Kaohsiung	Taiwan, China	0.195	0.472	0.322	0.811	0.663	0.163	0.3596	168
Kobe	Japan	0.134	0.508	0.461	0.594	0.623	0.285	0.3594	169
St. Petersburg	Russian Federation	0.235	0.470	0.354	0.550	0.521	0.488	0.3590	170
Bremen	Germany	0.130	0.297	0.378	0.665	0.705	0.381	0.3586	171
Bucharest	Romania	0.362	0.370	0.278	0.728	0.561	0.315	0.3568	172
Sakai	Japan	0.114	0.465	0.409	0.626	0.731	0.216	0.3554	173
Chiba	Japan	0.156	0.492	0.415	0.626	0.724	0.157	0.3553	174
Dalian	China	0.226	0.524	0.388	0.630	0.619	0.213	0.3546	175
Mannheim	Germany	0.137	0.419	0.330	0.827	0.624	0.260	0.3545	176
Himeji	Japan	0.151	0.468	0.366	0.659	0.726	0.190	0.3530	177
Incheon	Republic of Korea	0.175	0.466	0.391	0.645	0.639	0.254	0.3515	178
Southampton	United Kingdom	0.157	0.497	0.284	0.614	0.672	0.331	0.3498	179
Busan	Republic of Korea	0.205	0.518	0.415	0.644	0.620	0.174	0.3498	180
Omaha	United States	0.098	0.486	0.385	0.854	0.490	0.301	0.3491	181
Winnipeg	Canada	0.083	0.462	0.395	0.803	0.527	0.322	0.3487	182
Quebec	Canada	0.121	0.532	0.371	0.748	0.726	0.061	0.3485	183
Suzhou	China	0.108	0.436	0.462	0.565	0.737	0.199	0.3468	184
Sendai	Japan	0.153	0.568	0.424	0.594	0.679	0.125	0.3450	185
Hsinchu	Taiwan, China	0.128	0.526	0.225	0.680	0.786	0.177	0.3448	186
Nanjing	China	0.206	0.675	0.400	0.630	0.442	0.257	0.3437	187
Saitama	Japan	0.109	0.307	0.436	0.691	0.747	0.188	0.3425	188
Toledo	United States	0.095	0.268	0.345	0.692	0.808	0.250	0.3423	189
Jakarta	Indonesia	0.455	0.254	0.367	0.419	0.480	0.532	0.3423	190

Riverside	United States	0.195	0.500	0.344	0.855	0.403	0.299	0.3397	191
Toulouse	France	0.268	0.314	0.346	0.591	0.638	0.328	0.3393	192
Reykjavik	Iceland	0.090	0.476	0.222	0.708	0.766	0.228	0.3390	193
Bordeaux	France	0.211	0.267	0.298	0.588	0.742	0.339	0.3380	194
Ljubljana	Slovenia	0.297	0.340	0.222	0.693	0.682	0.250	0.3367	195
Aarhus	Denmark	0.137	0.293	0.389	0.710	0.793	0.122	0.3365	196
Bangalore	India	0.428	0.562	0.314	0.381	0.396	0.466	0.3363	197
Xiamen	China	0.190	0.647	0.311	0.565	0.532	0.296	0.3357	198
Corpus Christi	United States	0.127	0.229	0.348	0.725	0.736	0.271	0.3346	199
Porto	Portugal	0.180	0.370	0.204	0.467	0.753	0.449	0.3338	200
Kanazawa	Japan	0.180	0.555	0.350	0.594	0.710	0.093	0.3333	201
Zhongshan	China	0.129	0.503	0.299	0.611	0.691	0.238	0.3326	202
Kiev	Ukraine	0.226	0.539	0.268	0.374	0.674	0.372	0.3319	203
Sofia	Bulgaria	0.243	0.490	0.228	0.636	0.518	0.395	0.3318	204
Chennai	India	0.229	0.479	0.326	0.382	0.639	0.392	0.3311	205
Niigata	Japan	0.159	0.531	0.395	0.659	0.618	0.131	0.3310	206
Okayama	Japan	0.088	0.516	0.385	0.594	0.773	0.088	0.3307	207
Windsor	Canada	0.121	0.358	0.303	0.802	0.608	0.284	0.3306	208
Venice	Italy	0.148	0.337	0.279	0.573	0.734	0.346	0.3301	209
Sapporo	Japan	0.128	0.459	0.483	0.594	0.608	0.195	0.3300	210
Fresno	United States	0.245	0.201	0.380	0.724	0.706	0.163	0.3290	211
Stockton	United States	0.078	0.218	0.346	0.723	0.788	0.234	0.3274	212
Ho Chi Minh City	Viet Nam	0.289	0.256	0.344	0.481	0.660	0.371	0.3269	213
Kagoshima	Japan	0.133	0.470	0.377	0.627	0.735	0.092	0.3268	214
Wuhan	China	0.170	0.546	0.419	0.565	0.526	0.253	0.3260	215
Zagreb	Croatia	0.223	0.259	0.241	0.676	0.721	0.282	0.3254	216
Ningbo	China	0.059	0.424	0.396	0.533	0.700	0.287	0.3238	217
Aberdeen	United Kingdom	0.042	0.372	0.277	0.775	0.718	0.229	0.3231	218
Wichita	United States	0.147	0.325	0.366	0.724	0.617	0.244	0.3228	219
Hamamatsu	Japan	0.132	0.512	0.399	0.594	0.709	0.077	0.3225	220
Changsha	China	0.108	0.547	0.384	0.520	0.582	0.300	0.3224	221
Ansan	Republic of Korea	0.180	0.451	0.273	0.644	0.682	0.194	0.3223	222
Bogota	Colombia	0.299	0.237	0.373	0.624	0.465	0.436	0.3221	223
Albuquerque	United States	0.171	0.442	0.394	0.725	0.540	0.189	0.3221	224
Nicosia	Cyprus	0.172	0.435	0.242	0.606	0.889	0.031	0.3221	225
Qingdao	China	0.139	0.470	0.411	0.694	0.475	0.282	0.3220	226
Chengdu	China	0.259	0.590	0.442	0.565	0.338	0.304	0.3188	227
Strasbourg	France	0.173	0.287	0.311	0.623	0.683	0.285	0.3162	228
Sagamihara City	Japan	0.163	0.325	0.391	0.594	0.695	0.194	0.3158	229
San Juan	Puerto Rico	0.137	0.259	0.341	0.491	0.699	0.403	0.3154	230
Panama	Panama	0.322	0.204	0.242	0.499	0.661	0.411	0.3149	231
Zhuhai	China	0.212	0.505	0.245	0.520	0.703	0.195	0.3143	232
Daejeon	Republic of Korea	0.143	0.648	0.330	0.613	0.637	0.052	0.3136	233
Penang	Malaysia	0.150	0.460	0.273	0.607	0.690	0.192	0.3125	234
Vilnius	Lithuania	0.321	0.385	0.214	0.588	0.612	0.261	0.3121	235
Daegu	Republic of Korea	0.104	0.581	0.373	0.645	0.629	0.075	0.3118	236

Huizhou	China	0.106	0.571	0.320	0.579	0.708	0.092	0.3109	237
Bratislava	Slovakia	0.284	0.314	0.245	0.783	0.632	0.117	0.3094	238
Halifax	Canada	0.086	0.419	0.352	0.773	0.696	0.042	0.3093	239
Kumamoto	Japan	0.182	0.432	0.386	0.594	0.690	0.065	0.3085	240
Quanzhou	China	0.105	0.433	0.384	0.520	0.700	0.186	0.3071	241
Rio de Janeiro	Brazil	0.370	0.392	0.377	0.496	0.445	0.299	0.3056	242
Jeonju	Republic of Korea	0.167	0.502	0.313	0.612	0.724	0.024	0.3050	243
Palermo	Italy	0.126	0.261	0.344	0.509	0.713	0.323	0.3035	244
Cape Town	South Africa	0.246	0.250	0.310	0.542	0.603	0.357	0.3034	245
Yantai	China	0.179	0.373	0.381	0.552	0.658	0.170	0.3026	246
Taichung	Taiwan, China	0.149	0.505	0.292	0.662	0.616	0.131	0.3022	247
Lille	France	0.135	0.252	0.296	0.688	0.625	0.304	0.3002	248
Higashiosaka	Japan	0.135	0.303	0.365	0.626	0.728	0.117	0.2986	249
Belgrade	Serbia	0.284	0.181	0.228	0.728	0.559	0.325	0.2979	250
Jerusalem	Israel	0.204	0.222	0.323	0.824	0.614	0.120	0.2975	251
Tallinn	Estonia	0.273	0.290	0.199	0.478	0.776	0.228	0.2967	252
Ulsan	Republic of Korea	0.092	0.529	0.329	0.644	0.666	0.059	0.2965	253
Bakersfield	United States	0.058	0.221	0.349	0.757	0.676	0.207	0.2955	254
Alexander	Egypt	0.138	0.276	0.303	0.533	0.753	0.230	0.2945	255
Kunming	China	0.180	0.386	0.351	0.513	0.625	0.215	0.2923	256
Wenzhou	China	0.065	0.393	0.384	0.533	0.706	0.168	0.2920	257
Zhengzhou	China	0.025	0.440	0.394	0.520	0.596	0.298	0.2918	258
Medellin	Colombia	0.095	0.178	0.301	0.600	0.783	0.244	0.2911	259
Changchun	China	0.087	0.546	0.376	0.560	0.612	0.115	0.2911	260
Changzhou	China	0.070	0.325	0.339	0.521	0.637	0.351	0.2909	261
Nantong	China	0.068	0.369	0.374	0.520	0.586	0.340	0.2901	262
Santo Domingo	Dominica	0.138	0.193	0.290	0.389	0.808	0.351	0.2901	263
Shaoxing	China	0.141	0.374	0.340	0.520	0.646	0.229	0.2897	264
Jiaxing	China	0.085	0.345	0.329	0.520	0.605	0.362	0.2891	265
Kurashiki	Japan	0.164	0.385	0.350	0.594	0.725	0.026	0.2890	266
Guadalajara	Mexico	0.125	0.416	0.342	0.362	0.649	0.337	0.2888	267
Seongnam	Republic of Korea	0.094	0.555	0.301	0.613	0.695	0.019	0.2887	268
Turin	Italy	0.139	0.380	0.374	0.605	0.583	0.188	0.2885	269
Nanning	China	0.123	0.394	0.351	0.546	0.684	0.136	0.2867	270
Shenyang	China	0.154	0.453	0.399	0.694	0.421	0.198	0.2865	271
Ankara	Turkey	0.204	0.328	0.349	0.535	0.501	0.345	0.2865	272
Suwon	Republic of Korea	0.138	0.581	0.305	0.613	0.601	0.055	0.2863	273
Harbin	China	0.145	0.438	0.402	0.561	0.534	0.180	0.2831	274
Trieste	Italy	0.144	0.311	0.261	0.542	0.727	0.211	0.2831	275
Jinan	China	0.080	0.541	0.375	0.520	0.483	0.272	0.2816	276
Fuzhou	China	0.113	0.444	0.370	0.565	0.561	0.195	0.2816	277
Durban	South Africa	0.187	0.191	0.311	0.695	0.604	0.223	0.2811	278
Wuxi	China	0.191	0.429	0.391	0.520	0.505	0.210	0.2798	279
Saskatoon	Canada	0.088	0.409	0.299	0.766	0.544	0.150	0.2789	280
Hyderabad	India	0.240	0.551	0.312	0.383	0.413	0.365	0.2780	281
Manila	Philippines	0.306	0.202	0.241	0.446	0.507	0.487	0.2769	282
Kitakyushu	Japan	0.135	0.290	0.419	0.594	0.715	0.017	0.2764	283
Keelung	Taiwan, China	0.117	0.385	0.202	0.662	0.672	0.159	0.2753	284
Chongqing	China	0.142	0.444	0.518	0.597	0.254	0.322	0.2735	285
Monterrey	Mexico	0.242	0.380	0.346	0.334	0.536	0.343	0.2733	286

Nuremberg	Germany	0.140	0.252	0.371	0.697	0.521	0.216	0.2726	287
Weifang	China	0.137	0.411	0.386	0.520	0.592	0.139	0.2717	288
Delhi	India	0.367	0.460	0.378	0.381	0.118	0.577	0.2707	289
Weihai	China	0.136	0.439	0.293	0.520	0.648	0.135	0.2698	290
Malmo	Sweden	0.184	0.343	0.375	0.663	0.397	0.260	0.2693	291
Matsuyama	Japan	0.059	0.360	0.362	0.594	0.735	0.027	0.2685	292
Tainan	Taiwan, China	0.005	0.514	0.257	0.662	0.664	0.082	0.2685	293
Taizhou	China	0.099	0.390	0.350	0.520	0.665	0.123	0.2679	294
Pretoria	South Africa	0.113	0.236	0.278	0.770	0.563	0.210	0.2675	295
Zibo	China	0.117	0.434	0.336	0.520	0.580	0.183	0.2670	296
Riga	Latvia	0.232	0.283	0.238	0.563	0.664	0.149	0.2651	297
Shijiazhuang	China	0.172	0.434	0.397	0.528	0.468	0.170	0.2614	298
Krakow	Poland	0.178	0.294	0.228	0.635	0.606	0.191	0.2613	299
Naples	Italy	0.133	0.285	0.372	0.638	0.342	0.408	0.2612	300
Foshan	China	0.105	0.449	0.398	0.546	0.520	0.143	0.2612	301
Gyeongju	Republic of Korea	0.136	0.420	0.199	0.644	0.698	0.024	0.2584	302
Montevideo	Uruguay	0.231	0.204	0.258	0.553	0.578	0.270	0.2573	303
El Salvador	Brazil	0.187	0.305	0.305	0.321	0.790	0.118	0.2545	304
Cairo	Egypt	0.326	0.275	0.358	0.533	0.287	0.373	0.2533	305
Yangzhou	China	0.092	0.358	0.327	0.565	0.658	0.077	0.2524	306
Leon	Mexico	0.010	0.440	0.256	0.384	0.678	0.273	0.2486	307
Hanoi	Viet Nam	0.283	0.286	0.275	0.481	0.477	0.278	0.2478	308
Amman	Jordan	0.289	0.238	0.224	0.428	0.574	0.289	0.2466	309
Thane	India	0.128	0.269	0.221	0.381	0.718	0.280	0.2461	310
Hefei	China	0.126	0.345	0.368	0.533	0.534	0.158	0.2449	311
Haikou	China	0.101	0.305	0.258	0.514	0.723	0.112	0.2445	312
Curitiba	Brazil	0.114	0.358	0.275	0.480	0.685	0.109	0.2433	313
Quito	Ecuador	0.160	0.133	0.226	0.439	0.711	0.301	0.2433	314
La Paz	Bolivia	0.075	0.250	0.259	0.279	0.746	0.348	0.2428	315
Kazan	Russian Federation	0.173	0.345	0.241	0.483	0.536	0.249	0.2379	316
Nanchang	China	0.224	0.373	0.336	0.533	0.450	0.131	0.2352	317
Jaipur	India	0.146	0.367	0.261	0.381	0.558	0.282	0.2345	318
Xuzhou	China	0.075	0.335	0.380	0.529	0.590	0.081	0.2325	319
Taiyuan	China	0.093	0.399	0.319	0.528	0.541	0.130	0.2319	320
Guayaquil	Ecuador	0.106	0.109	0.266	0.302	0.817	0.271	0.2319	321
Genoa	Italy	0.134	0.267	0.342	0.573	0.479	0.210	0.2316	322
Minsk	Belarus	0.095	0.444	0.251	0.374	0.590	0.228	0.2304	323
Hohhot	China	0.165	0.304	0.294	0.528	0.598	0.088	0.2298	324
Kaliningrad	Russian Federation	0.072	0.376	0.180	0.516	0.709	0.104	0.2293	325
Beirut	Lebanon	0.305	0.163	0.242	0.310	0.635	0.263	0.2286	326
Caracas	Venezuela	0.238	0.174	0.300	0.052	0.689	0.414	0.2277	327
Damascus	Syria	0.189	0.212	0.261	0.320	0.697	0.221	0.2268	328
Merida	Mexico	0.105	0.313	0.222	0.374	0.664	0.245	0.2261	329
Wuhu	China	0.111	0.289	0.300	0.488	0.582	0.179	0.2258	330
Kingston	Jamaica	0.176	0.462	0.149	0.338	0.609	0.222	0.2251	331
Brasilia	Brazil	0.263	0.179	0.323	0.435	0.549	0.176	0.2227	332
Nassau	Bahamas	0.163	0.259	0.193	0.378	0.649	0.255	0.2209	333
Rizhao	China	0.148	0.258	0.283	0.520	0.607	0.107	0.2207	334
Guiyang	China	0.114	0.374	0.261	0.514	0.578	0.098	0.2193	335
Karachi	Pakistan	0.261	0.166	0.370	0.415	0.374	0.353	0.2192	336
Liuzhou	China	0.161	0.222	0.306	0.514	0.619	0.069	0.2159	337
Tunisia	Tunisia	0.137	0.128	0.173	0.478	0.810	0.100	0.2152	338
Havana	Cuba	0.075	0.328	0.273	0.278	0.644	0.263	0.2140	339

Tangshan	China	0.102	0.260	0.279	0.513	0.667	0.046	0.2122	340
Kalyan	India	0.110	0.221	0.217	0.377	0.647	0.262	0.2095	341
Veracruz	Mexico	0.116	0.347	0.219	0.353	0.555	0.282	0.2092	342
Islamabad	Pakistan	0.221	0.156	0.181	0.546	0.523	0.246	0.2088	343
Pune	India	0.264	0.371	0.278	0.377	0.299	0.350	0.2088	344
Ahmedabad	India	0.137	0.494	0.304	0.383	0.353	0.267	0.2078	345
Campinas	Brazil	0.051	0.356	0.235	0.379	0.678	0.127	0.2043	346
Tijuana	Mexico	0.032	0.381	0.253	0.310	0.598	0.257	0.2033	347
Perm	Russian Federation	0.143	0.396	0.236	0.436	0.465	0.197	0.2007	348
Medan	Indonesia	0.151	0.148	0.251	0.258	0.706	0.238	0.1998	349
Aguascalientes	Mexico	0.066	0.291	0.213	0.357	0.612	0.259	0.1983	350
Casablanca	Morocco	0.270	0.172	0.269	0.363	0.558	0.161	0.1965	351
Mysore	India	0.155	0.324	0.160	0.376	0.625	0.159	0.1959	352
Lanzhou	China	0.141	0.381	0.293	0.514	0.434	0.098	0.1949	353
Cuernavaca	Mexico	0.122	0.370	0.215	0.149	0.678	0.223	0.1939	354
Baroda	India	0.181	0.314	0.192	0.369	0.575	0.163	0.1927	355
Georgetown	Guyana	0.107	0.268	0.102	0.354	0.829	0.064	0.1924	356
Tripoli	Libya	0.133	0.108	0.294	0.374	0.777	0.026	0.1922	357
Puebla	Mexico	0.018	0.382	0.271	0.360	0.501	0.270	0.1918	358
Sana'a	Yemen	0.102	0.017	0.242	0.616	0.737	0.009	0.1904	359
Accra	Ghana	0.127	0.124	0.236	0.457	0.572	0.233	0.1891	360
Surat	India	0.055	0.431	0.264	0.367	0.414	0.291	0.1889	361
Visakhapatnam	India	0.121	0.272	0.203	0.382	0.652	0.118	0.1882	362
Cordoba	Argentina	0.167	0.172	0.221	0.493	0.550	0.161	0.1875	363
Nasik	India	0.074	0.302	0.213	0.381	0.630	0.136	0.1841	364
Lagos	Nigeria	0.186	0.181	0.342	0.136	0.539	0.320	0.1836	365
Morella	Mexico	0.092	0.297	0.216	0.322	0.644	0.151	0.1834	366
Nagpur	India	0.132	0.302	0.246	0.362	0.508	0.204	0.1825	367
Asuncion	Paraguay	0.196	0.112	0.238	0.489	0.458	0.254	0.1822	368
Novosibirsk	Russian Federation	0.094	0.449	0.263	0.508	0.301	0.216	0.1809	369
Yinchuan	China	0.050	0.323	0.264	0.514	0.533	0.070	0.1794	370
Pondicherry	India	0.069	0.267	0.159	0.377	0.705	0.113	0.1791	371
Samara	Russian Federation	0.105	0.334	0.249	0.449	0.384	0.255	0.1790	372
Lusaka	Zambia	0.121	0.028	0.213	0.518	0.684	0.103	0.1780	373
Bandung	Indonesia	0.179	0.130	0.260	0.258	0.558	0.285	0.1755	374
Bhopal	India	0.208	0.244	0.217	0.365	0.511	0.170	0.1752	375
Lucknow	India	0.102	0.389	0.237	0.380	0.423	0.221	0.1749	376
Rajkot	India	0.015	0.229	0.186	0.380	0.687	0.164	0.1743	377
Coimbatore	India	0.098	0.299	0.214	0.369	0.515	0.215	0.1736	378
Belo Horizonte	Brazil	0.113	0.380	0.304	0.332	0.483	0.114	0.1732	379
Porto Alegre	Brazil	0.153	0.261	0.256	0.371	0.530	0.129	0.1726	380
San Luis Potosi	Mexico	0.000	0.324	0.220	0.290	0.677	0.140	0.1704	381
São Bernardo do Campo	Brazil	0.162	0.225	0.219	0.459	0.491	0.139	0.1688	382
Calcutta	India	0.163	0.175	0.381	0.385	0.357	0.239	0.1683	383
Douala	Comoros	0.115	0.097	0.229	0.189	0.782	0.158	0.1677	384
Baotou	China	0.023	0.226	0.295	0.528	0.550	0.055	0.1675	385
Ordos	China	0.018	0.237	0.368	0.514	0.502	0.043	0.1665	386
Vladivostok	Russian Federation	0.092	0.367	0.201	0.466	0.450	0.137	0.1661	387
Managua	Nicaragua	0.129	0.241	0.171	0.408	0.530	0.181	0.1639	388
Tampico	Mexico	0.010	0.359	0.217	0.324	0.628	0.104	0.1639	389
Alma-Ata	Kazakhstan	0.064	0.296	0.253	0.540	0.473	0.061	0.1622	390
Lahore	Pakistan	0.184	0.103	0.330	0.416	0.384	0.235	0.1605	391

Tehran	Iran	0.155	0.166	0.373	0.220	0.435	0.275	0.1601	392
Chihuahua	Mexico	0.028	0.340	0.216	0.189	0.562	0.279	0.1591	393
Recife	Brazil	0.096	0.228	0.269	0.299	0.609	0.101	0.1588	394
Yerevan	Armenia	0.061	0.291	0.209	0.440	0.569	0.066	0.1588	395
Queretaro	Mexico	0.014	0.286	0.222	0.362	0.555	0.180	0.1576	396
Toluca	Mexico	0.086	0.288	0.262	0.339	0.470	0.195	0.1576	397
Rabat	Morocco	0.110	0.119	0.157	0.395	0.762	0.010	0.1564	398
Dacre	Senegal	0.140	0.191	0.246	0.174	0.560	0.257	0.1540	399
Guatemala City	Guatemala	0.200	0.292	0.213	0.294	0.420	0.205	0.1518	400
Varanasi	India	0.056	0.367	0.188	0.366	0.516	0.125	0.1515	401
Krasnoyarsk	Russian Federation	0.087	0.369	0.232	0.440	0.398	0.127	0.1513	402
Tver	Russian Federation	0.127	0.384	0.174	0.442	0.452	0.065	0.1505	403
Betim	Brazil	0.186	0.123	0.191	0.280	0.696	0.051	0.1499	404
Colombo	Sri Lanka	0.074	0.145	0.159	0.299	0.569	0.303	0.1496	405
Xining	China	0.099	0.262	0.296	0.514	0.398	0.066	0.1492	406
Guarulhos	Brazil	0.020	0.110	0.250	0.434	0.597	0.134	0.1480	407
Duque de Caxias	Brazil	0.087	0.113	0.225	0.421	0.625	0.062	0.1459	408
São Bernardo do Campo	Brazil	0.088	0.132	0.200	0.390	0.703	0.000	0.1450	409
Sarajevo	Bosnia and Herzegovina	0.116	0.082	0.128	0.243	0.699	0.219	0.1450	410
Surabaya	Indonesia	0.077	0.160	0.275	0.258	0.467	0.308	0.1445	411
Ufa	Russian Federation	0.156	0.368	0.233	0.447	0.274	0.171	0.1438	412
Tyumen	Russian Federation	0.171	0.343	0.195	0.442	0.376	0.090	0.1422	413
Shiraz	Iran	0.136	0.104	0.227	0.251	0.638	0.130	0.1405	414
Tula	Russian Federation	0.056	0.407	0.184	0.483	0.360	0.129	0.1399	415
Kursk	Russian Federation	0.084	0.273	0.173	0.452	0.533	0.041	0.1392	416
Trivandrum	India	0.206	0.119	0.173	0.381	0.504	0.143	0.1382	417
Yekaterinburg	Russian Federation	0.051	0.293	0.256	0.507	0.332	0.159	0.1381	418
Madurai	India	0.096	0.267	0.178	0.366	0.472	0.170	0.1380	419
Yaounde	Comoros	0.011	0.035	0.212	0.158	0.860	0.122	0.1379	420
Gaborone	Botswana	0.048	0.024	0.089	0.603	0.643	0.091	0.1378	421
Yaroslavl	Russian Federation	0.143	0.332	0.204	0.484	0.380	0.054	0.1378	422
Faridabad	India	0.070	0.282	0.219	0.378	0.385	0.233	0.1375	423
Kaluga	Russian Federation	0.062	0.332	0.150	0.446	0.537	0.027	0.1374	424
Khabarovsk	Russian Federation	0.008	0.263	0.183	0.434	0.567	0.073	0.1369	425
Agra	India	0.083	0.298	0.209	0.373	0.415	0.176	0.1351	426
Dhaka	Bangladesh	0.129	0.160	0.310	0.424	0.284	0.251	0.1339	427
Acapulco	Mexico	0.073	0.301	0.201	0.251	0.509	0.171	0.1326	428
Manaus	Brazil	0.181	0.145	0.276	0.302	0.505	0.084	0.1321	429
Harare	Zimbabwe	0.154	0.048	0.211	0.080	0.661	0.254	0.1315	430
Krasnodar	Russian Federation	0.074	0.266	0.205	0.440	0.430	0.120	0.1313	431
Amritsar	India	0.124	0.299	0.187	0.381	0.402	0.148	0.1307	432
Baku	Azerbaijan	0.151	0.376	0.249	0.371	0.306	0.121	0.1304	433
Chinchwad	India	0.110	0.093	0.230	0.377	0.596	0.051	0.1297	434
Ivanovo	Russian Federation	0.090	0.202	0.175	0.451	0.537	0.041	0.1294	435

Cebu	Philippines	0. 167	0. 100	0. 179	0. 255	0. 546	0. 208	0. 1294	436
Meerut	India	0. 109	0. 143	0. 205	0. 371	0. 464	0. 196	0. 1289	437
Lipetsk	Russian Federation	0. 077	0. 256	0. 188	0. 446	0. 526	0. 010	0. 1286	438
Chelyabinsk	Russian Federation	0. 077	0. 436	0. 243	0. 441	0. 283	0. 103	0. 1282	439
Djibouti	Djibouti	0. 125	0. 001	0. 142	0. 116	0. 681	0. 317	0. 1279	440
Tashkent	Uzbekistan	0. 063	0. 110	0. 239	0. 261	0. 583	0. 173	0. 1263	441
Yangon	Myanmar	0. 174	0. 116	0. 276	0. 000	0. 682	0. 134	0. 1259	442
Vladimir	Russian Federation	0. 031	0. 202	0. 165	0. 446	0. 403	0. 252	0. 1255	443
Voronezh	Russian Federation	0. 126	0. 106	0. 220	0. 454	0. 544	0. 009	0. 1248	444
Volgograd	Russian Federation	0. 088	0. 344	0. 238	0. 479	0. 303	0. 092	0. 1233	445
Nairobi	Kenya	0. 193	0. 121	0. 256	0. 184	0. 365	0. 341	0. 1231	446
Port au Prince	Haiti	0. 106	0. 023	0. 184	0. 203	0. 637	0. 230	0. 1230	447
Srinagar	India	0. 092	0. 092	0. 203	0. 369	0. 566	0. 107	0. 1227	448
Maputo	Mozambique	0. 045	0. 015	0. 217	0. 176	0. 825	0. 057	0. 1225	449
Dar Es Salam	Tanzania	0. 091	0. 065	0. 249	0. 173	0. 585	0. 230	0. 1224	450
Arkhangelsk	Russian Federation	0. 096	0. 292	0. 159	0. 441	0. 487	0. 014	0. 1221	451
Murmansk	Russian Federation	0. 036	0. 227	0. 156	0. 453	0. 522	0. 068	0. 1209	452
Kanpur	India	0. 118	0. 281	0. 247	0. 360	0. 348	0. 143	0. 1204	453
Dushanbe	Tajikistan	0. 011	0. 294	0. 150	0. 316	0. 629	0. 027	0. 1193	454
Indore	India	0. 103	0. 175	0. 216	0. 361	0. 404	0. 197	0. 1182	455
Penza	Russian Federation	0. 125	0. 342	0. 188	0. 457	0. 344	0. 050	0. 1168	456
Ryazan	Russian Federation	0. 085	0. 362	0. 188	0. 453	0. 388	0. 021	0. 1165	457
Belgorod	Russian Federation	0. 159	0. 301	0. 164	0. 441	0. 350	0. 066	0. 1131	458
Luanda	Angola	0. 064	0. 039	0. 293	0. 191	0. 530	0. 237	0. 1121	459
Torreon	Mexico	0. 026	0. 235	0. 240	0. 328	0. 491	0. 092	0. 1119	460
Kinshasa	Democratic Republic of the Congo	0. 094	0. 049	0. 308	0. 072	0. 642	0. 151	0. 1116	461
Urumqi	China	0. 117	0. 280	0. 263	0. 513	0. 204	0. 123	0. 1104	462
Izhevsk	Russian Federation	0. 141	0. 301	0. 204	0. 446	0. 336	0. 040	0. 1100	463
Howrah	India	0. 056	0. 099	0. 209	0. 377	0. 557	0. 060	0. 1065	464
Blantyre	Malawi	0. 017	0. 055	0. 154	0. 371	0. 675	0. 049	0. 1062	465
Barnaul	Russian Federation	0. 003	0. 263	0. 200	0. 442	0. 427	0. 078	0. 1054	466
Addis Ababa	Ethiopia	0. 162	0. 020	0. 247	0. 002	0. 647	0. 194	0. 1040	467
Ulan Bator	Mongolia	0. 043	0. 219	0. 202	0. 591	0. 354	0. 022	0. 1031	468
Orenburg	Russian Federation	0. 004	0. 337	0. 189	0. 442	0. 388	0. 063	0. 1030	469
Ulyanovsk	Russian Federation	0. 100	0. 264	0. 202	0. 447	0. 371	0. 034	0. 1026	470
Abidjan	Cote d'Ivoire	0. 004	0. 130	0. 269	0. 083	0. 597	0. 189	0. 0975	471
Stavropol	Russian Federation	0. 034	0. 297	0. 160	0. 455	0. 398	0. 046	0. 0970	472
Saltillo	Mexico	0. 150	0. 202	0. 216	0. 293	0. 383	0. 118	0. 0969	473
Cochin	India	0. 169	0. 069	0. 146	0. 380	0. 518	0. 037	0. 0960	474
Allahabad	India	0. 026	0. 222	0. 191	0. 377	0. 420	0. 117	0. 0951	475
Petrozavodsk	Russian Federation	0. 029	0. 262	0. 140	0. 440	0. 462	0. 027	0. 0949	476

Tegucigalpa	Honduras	0.125	0.010	0.190	0.221	0.553	0.168	0.0938	477
Omsk	Russian Federation	0.099	0.253	0.242	0.449	0.229	0.122	0.0913	478
Bryansk	Russian Federation	0.042	0.289	0.171	0.448	0.387	0.020	0.0894	479
Freetown	Sierra Leone	0.087	0.052	0.161	0.192	0.598	0.139	0.0870	480
Smolensk	Russian Federation	0.068	0.204	0.156	0.450	0.412	0.036	0.0867	481
Tambov	Russian Federation	0.125	0.263	0.140	0.452	0.350	0.020	0.0863	482
Isfahan	Iran	0.147	0.056	0.242	0.255	0.487	0.074	0.0862	483
Phnom Penh	Cambodia	0.122	0.099	0.208	0.046	0.522	0.236	0.0862	484
Jabalpur	India	0.071	0.204	0.202	0.374	0.388	0.075	0.0854	485
Lome	Togo	0.142	0.032	0.203	0.109	0.614	0.098	0.0831	486
Saratov	Russian Federation	0.140	0.326	0.216	0.453	0.159	0.094	0.0830	487
Ludhiana	India	0.073	0.168	0.191	0.364	0.358	0.141	0.0819	488
Rostov	Russian Federation	0.038	0.329	0.244	0.453	0.214	0.062	0.0764	489
Patna	India	0.125	0.142	0.244	0.373	0.255	0.153	0.0764	490
Ciudad Juarez	Mexico	0.026	0.272	0.246	0.013	0.555	0.080	0.0741	491
Orel	Russian Federation	0.097	0.163	0.157	0.479	0.374	0.002	0.0738	492
Algiers	Algeria	0.144	0.085	0.274	0.179	0.404	0.108	0.0688	493
Kampala	Uganda	0.048	0.038	0.215	0.184	0.547	0.114	0.0679	494
Kemerovo	Russian Federation	0.058	0.229	0.192	0.429	0.292	0.041	0.0627	495
Ranchi	India	0.129	0.170	0.195	0.369	0.268	0.092	0.0607	496
Conakry	Guinea	0.114	0.035	0.206	0.052	0.602	0.077	0.0601	497
Brazzaville	Congo	0.063	0.000	0.212	0.074	0.570	0.132	0.0524	498
Kish	Iran	0.090	0.042	0.000	0.225	0.629	0.048	0.0453	499
Astrakhan	Russian Federation	0.017	0.163	0.189	0.445	0.315	0.008	0.0436	500
Mashhad	Iran	0.117	0.101	0.271	0.221	0.311	0.070	0.0412	501
Makhachkala	Russian Federation	0.073	0.012	0.178	0.445	0.314	0.080	0.0412	502
Grozny	Russian Federation	0.086	0.047	0.137	0.452	0.314	0.035	0.0324	503
Ghazi Abad	India	0.042	0.282	0.202	0.375	0.000	0.148	0.0076	504
Tabriz	Iran	0.100	0.086	0.228	0.222	0.233	0.046	0.0000	505