



Report on Sustainable Competitiveness of Cities Worldwide

(2015-2016)

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Introduction of GUCR

The Global Urban Competitiveness Report (GUCR) is a cooperative research conducted by the Chinese Academy of Social Sciences (CASS) and UN-Habitat focusing on sustainable urban competitiveness, urban land and urban finance. Led by Prof. Ni Pengfei and Mr. Marco Kamiya, the project is participated by experts from CASS, UN-Habitat and well-known scholars in relevant fields. Through theoretical research and empirical investigation, the report establishes an indicator system to measure the economic competitiveness and sustainable competitiveness of more

than 1,000 cities in the world. Meanwhile, it selects important issues of global urban development as the themes for in-depth studies, aiming to promote the implementation of the UN 2030 agenda through the assessment of urban competitiveness. Currently, five annual reports have been published successively, among which GUCR (2018-2019) was launched at the UN headquarters in New York City during the 74th session of the UN General Assembly, and the GUCR (2019-2020) was released in Abu Dhabi during the 10th World Urban Forum.

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Introduction

In 2013, the global economy continued to recover, and the overall growth rate was 2.654%, up 0.146 percentage point compared with the 2.508% of 2012. The economic gap between economies widened, as the growth rate of high-income countries was only 1.44%, lower than the global average, that of middle-income countries was about 5.1%, and that of low-income countries was 6.075%, both significantly higher than the global average. In 2013, global commodity trade accounted for 49.228% of the world's GDP, lower than the proportion of 2012. The urbanization process continued worldwide in 2013, pushing the overall urbanization rate to 53.005%, up 0.451 percentage point from the rate of 2012. In 2013, the number of non-resident patent applications reached 773,138, an increase of 27,804 compared with the figure of 2012, indicating steady progress in science and technology.

1 Steady improvement in overall sustainable competitiveness of cities worldwide with high-income population density playing a decisive role

1.1 A stable pattern is taking shape in the sustainable competitiveness of cities worldwide

Tokyo, Singapore, New York-Newark, London and Paris are the Top 5 of the world. London is one place higher, while Singapore is one place lower on the list; the other cities all maintained their original position. In the global Top 20, six cities are in North America, nine in Europe, and five in Asia, involving the 12 countries of Japan, Singapore, the United States, the United Kingdom, France, China, Spain, Germany, Russia, Sweden, the

Republic of Korea and Canada. The global pattern of sustainable competitiveness, thus, is gradually taking shape. As for Tier-2 indicators, the world's Top 20 for 2015–2016 generally have more high-income population increment. Singapore, Munich and Hong Kong are the Top 3 by high-income population density, other cities within the world's Top 20 presented a different performance but are all in the top.

Global Top 20 by sustainable competitiveness and changes in their rankings, 2015–2016

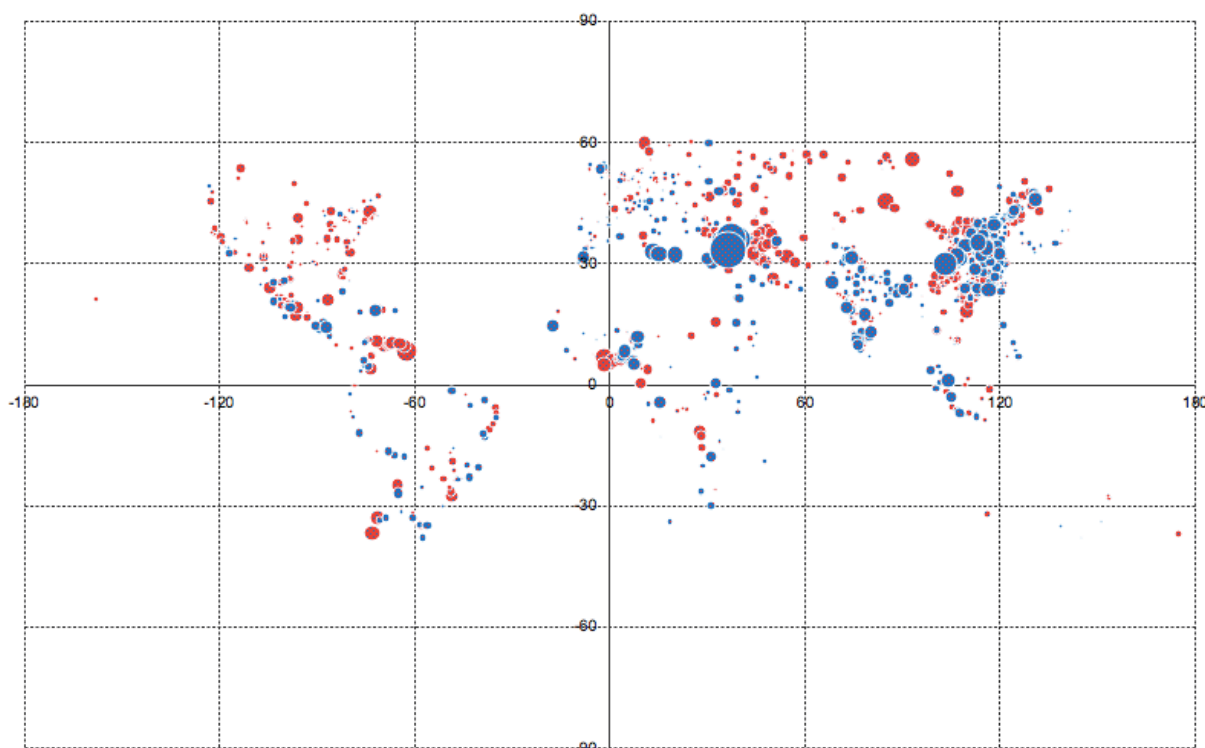
City	Country	Continent	Sustainable competitiveness		High-income population density		High-income population increment	
			Ranking	Change	Ranking	Change	Ranking	Change
Tokyo	Japan	Asia	1	0	9	1	1	0
Singapore	Singapore	Asia	2	0	1	0	12	3
New York-Newark	U.S.A.	N. America	3	0	43	1	2	0
London	U.K.	Europe	4	1	23	0	6	1
Paris	France	Europe	5	-1	40	-1	3	0
Hong Kong	China	Asia	6	0	3	0	23	-1
Osaka	Japan	Asia	7	0	83	1	4	0
San Francisco-Oakland	U.S.A.	N. America	8	2	38	2	10	1
Barcelona	Spain	Europe	9	-1	10	-1	27	0
Munich	Germany	Europe	10	3	2	0	52	9
Chicago	U.S.A.	N. America	11	-2	89	1	7	-1
Stuttgart	Germany	Europe	12	-1	4	0	44	0
Moscow	Russia	Europe	13	-1	20	-1	26	-1
Boston	U.S.A.	N. America	14	0	62	1	13	1
Frankfurt am Main	Germany	Europe	15	2	7	0	49	0
Philadelphia	U.S.A.	N. America	16	2	69	2	14	-1
Madrid	Spain	Europe	17	-2	44	-1	19	0
Stockholm	Sweden	Europe	18	2	21	0	32	4
Seoul	Republic of Korea	Asia	19	-3	72	0	15	-3
Toronto	Canada	N. America	20	-1	56	1	21	0

1.2 Gaps between continents get wider

North America have 64 cities among the Top 200 for 2015–2016 and Asia have 60; Europe, South America, Oceania and Africa follow with lower numbers of cities in the range. In terms of

changes in the rankings, cities in Oceania moved to substantially higher positions in general, up by three places on average; while Asian and European moved down somewhat on the whole.

Figure: Changes in global rankings by sustainable competitiveness, 2015–2016



Note: Red indicates positive change in ranking while blue indicates negative change, and the bigger the dot the greater the change of ranking

Distribution of global Top 200 by continent, 2015–2016

Continent	Number of cities among Top 200 2015–2016	Number of cities among Top 200 2014–2015	Statistics of the changes in their rankings 2015–2016		
			Mean	Standard deviation	Coefficient of variation
Asia	60	60	-2.7500	8.5759	-3.8115
N. America	64	64	2.5938	6.1482	2.3704
S. America	10	9	1.1000	21.8299	19.8454
Oceania	7	7	3.0000	4.7258	1.5753
Europe	58	58	-0.70690	8.2866	-11.7224
Africa	1	2	0	-	-

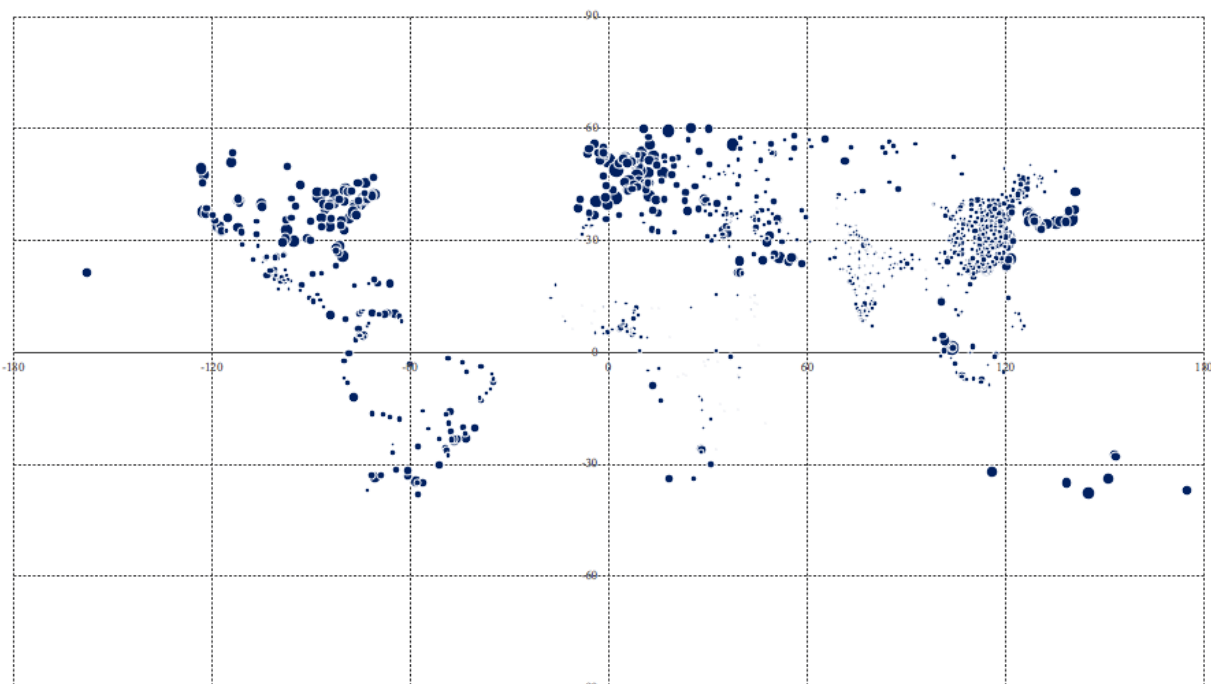
1.3 Sustainable competitiveness of cities worldwide generally improved and gaps between cities widened

For 2015–2016, the overall average score of sustainable competitiveness of cities worldwide is 0.3641, higher than the 2014–2015 value. However, the coefficient of variation for high-income population density and high-income population increment both increased, showing wider gaps between cities.

Statistics of sustainable competitiveness of cities worldwide, 2015–2016

	Indicator	Sample size	Mean	Standard deviation	Coefficient of variation
Sustainable competitiveness 2015–2016	sustainable competitiveness	1,006	0.3641	0.1789	0.4913
	High-income population density	1,006	0.3871	0.1804	0.4660
	High-income population increment	1,006	0.2879	0.1689	0.5868
Sustainable competitiveness 2014–2015	Sustainable competitiveness	1,006	0.3604	0.1723	0.4781
	High-income population density	1,006	0.3942	0.1782	0.4520
	High-income population increment	1,006	0.2756	0.1607	0.5829

Figure: Sustainable competitiveness of cities worldwide, 2015–2016



1.4 High-income population density plays a decisive role

Oceanian cities are in the best balance in terms of their sustainable competitiveness, with a coefficient of variation of only 0.1120. North America is the runner-up. In comparison, Asian and African cities are less competitive and show wider gaps within them. In terms of Tier-2 indicators, the average score for high-income population increment for all continents are lower than their respective averages for high-income population density, indicating that the latter plays a more important role in determining the sustainable competitiveness of cities worldwide.

Statistics of sustainable competitiveness of cities worldwide by continent, 2015–2016

Continent	sustainable competitiveness		High-income population density		High-income population increment	
	Mean	Coefficient of variation	Mean	Coefficient of variation	Mean	Coefficient of variation
Asia	0.3162	0.4805	0.3428	0.4428	0.2433	0.5937
N. America	0.5171	0.3109	0.5056	0.3149	0.4530	0.3773
S. America	0.3947	0.2802	0.4101	0.3025	0.3216	0.3261
Oceania	0.6504	0.1120	0.6152	0.0938	0.5905	0.2069
Europe	0.5001	0.3592	0.5370	0.3967	0.3901	0.3672
Africa	0.2231	0.5364	0.2621	0.5107	0.1515	0.6631

1.5 Cities in G20 countries are more competitive with narrower gaps between them.

In terms of sustainable competitiveness, high-income population density, and high-income population increment, cities in G20 countries significantly outperformed non-G20 cities, and the gaps between G20 cities are also smaller than those between non-G20 cities.

Statistics of sustainable competitiveness of cities worldwide, 2015–2016: G20 vs. Non-G20

	Indicator	Sample size	Mean	Standard deviation	Coefficient of variation
G20	sustainable competitiveness	739	0.3934	0.1763	0.4481
	high-income population density	739	0.4133	0.1785	0.4319
	high-income population increment	739	0.3160	0.1664	0.5264
Non-G20	sustainable competitiveness	267	0.2831	0.1603	0.5664
	high-income population density	267	0.3146	0.1654	0.5257
	high-income population increment	267	0.2101	0.1509	0.7183

2

European and North American cities are in leading positions and regional gaps become wider

2.1 The United States dominated the urban landscape of North America

All of the Top 10 cities of North America but Toronto are in the United States. All of the ten are among the Top 30 of the world. New York-Newark, San Francisco-Oakland and Chicago are the Top three, seating in leading positions of North

America. The high-income population increment of North American cities are generally high but some cities move slightly down the tally by that indicator; while their rankings by high-income population density rose except Miami.

Top 10 cities of North America and changes in their world rankings

Ranking	City	Country	sustainable competitiveness		high-income population density		high-income population increment	
			Ranking	Change	Ranking	Change	Ranking	Change
1	New York-Newark	U.S.A	3	0	43	1	2	0
2	San Francisco-Oakland	U.S.A	8	2	38	2	10	1
3	Chicago	U.S.A	11	-2	89	1	7	-1
4	Boston	U.S.A	14	0	62	1	13	1
5	Philadelphia	U.S.A	16	2	69	2	14	-1
6	Toronto	Canada	20	-1	56	1	21	0
7	Houston	U.S.A	21	2	127	7	9	-1
8	Los Angeles-Long Beach-Santa Ana	U.S.A	27	-1	218	6	5	0
9	Cleveland	U.S.A	28	2	12	0	72	-1
10	Miami	U.S.A	29	-2	67	-3	25	-1

2.2 European cities excelled with four cities among the global Top 10.

The top 10 cities in Europe are London, Paris, Barcelona, Munich, Stuttgart, Moscow, Frankfurt am Main, Madrid, Stockholm, and Berlin, respectively in the United Kingdom, France, Spain, Germany, Russia and Sweden. Four of them are in Germany, two in

Spain and one in each of the remaining countries. As for changes in their rankings, some improved while others fell, yet they all still rank high in the world by high-income population density and high-income population increment.

Top 10 cities of Europe and changes in their world rankings

Ranking	City	Country	sustainable competitiveness		high-income population density		high-income population increment	
			Ranking	Change	Ranking	Change	Ranking	Change
1	London	U.K.	4	1	23	0	6	1
2	Paris	France	5	-1	40	-1	3	0
3	Barcelona	Spain	9	-1	10	-1	27	0
4	Munich	Germany	10	3	2	0	52	9
5	Stuttgart	Germany	12	-1	4	0	44	0
6	Moscow	Russia	13	-1	20	-1	26	-1
7	Frankfurt am Main	Germany	15	2	7	0	49	0
8	Madrid	Spain	17	-2	44	-1	19	0
9	Stockholm	Sweden	18	2	21	0	32	4
10	Berlin	Germany	22	-1	15	-1	47	-2

2.3 Tokyo ranks first in the world and Japan leads Asia.

The top 10 cities in Asia are Tokyo, Singapore, Hong Kong, Osaka, Seoul, Shenzhen, Taipei, Doha, Nagoya and Hiroshima, four in Japan, three in China, and one in Singapore, the Republic of Korea and Qatar each. On the whole, the Top 10 cities in Asia rank high in

the world. Tokyo, in particular rank first and the other nine cities are all within the Top 50 of the world. In addition, the high-income population increment of leading Asian cities are also laudable with all of them ranking within Top 100 globally.

Top 10 cities of Asia and changes in their world rankings

Ranking	City	Country	sustainable competitiveness		high-income population density		high-income population increment	
			Ranking	Change	Ranking	Change	Ranking	Change
1	Tokyo	Japan	1	0	9	1	1	0
2	Singapore	Singapore	2	0	1	0	12	3
3	Hong Kong	China	6	0	3	0	23	-1
4	Osaka	Japan	7	0	83	1	4	0
5	Seoul	Republic of Korea	19	-3	72	0	15	-3
6	Shenzhen	China	23	6	13	3	50	13
7	Taipei	China	24	-2	18	0	42	1
8	Doha	Qatar	26	7	172	1	8	2
9	Nagoya	Japan	35	-10	36	-8	48	-7
10	Hiroshima	Japan	41	-4	22	0	85	-11

2.4 Sustainable competitiveness of South American cities are declining.

The Top 10 cities in South America are Buenos Aires, Sao Paulo, Santiago, Barcelona-Puerto La Cruz, Rio de Janeiro, Bogota, Valencia, Lima, Caracas and Montevideo, involving the seven countries of Argentina, Brazil, Chile, Venezuela, Colombia, Peru and Uruguay. Among the Top 10 cities, all but Barcelona-Puerto La Cruz, Valencia and Caracas, all moved down the global rankings by sustainable competitiveness.

Top 10 cities of South America and changes in their world rankings

Ranking	City	Country	sustainable competitiveness		high-income population density		high-income population increment	
			Ranking	Change	Ranking	Change	Ranking	Change
1	Buenos Aires	Argentina	55	-9	96	-3	39	-5
2	Sao Paulo	Brazil	79	-7	150	-5	41	-3
3	Santiago	Chile	122	-10	199	0	75	-8
4	Barcelona-Puerto La Cruz	Venezuela	131	30	112	32	142	36
5	Rio de Janeiro	Brazil	149	-14	213	-10	103	-15
6	Bogota	Colombia	150	-13	195	-7	113	-14
7	Valencia	Venezuela	156	36	129	38	174	30
8	Lima	Peru	163	-18	207	-10	121	-20
9	Caracas	Venezuela	170	31	203	31	138	9
10	Montevideo	Uruguay	191	-15	122	-1	239	-9



2.5 African cities are generally weak in sustainable competitiveness and on the decline

The Top 10 cities in Africa are Pretoria, Johannesburg, Luanda, Tripoli, Cape Town, Oran, Algiers, Lagos, Durban and Abuja, whose rankings in the world are between the 100th and 400th places. Overall, African cities are weak in sustainable competitiveness, with Pretoria, No. 1 among them, ranking 138th globally. Similarly, their rankings by high-income population density and high-income population increment are also relatively low.

Top 10 cities of Africa and changes in their world rankings

Ranking	City	Country	sustainable competitiveness		high-income population density		high-income population increment	
			Ranking	Change	Ranking	Change	Ranking	Change
1	Pretoria	South Africa	138	0	105	-1	170	4
2	Johannesburg	South Africa	219	-10	212	-7	222	-10
3	Luanda	Angola	227	7	216	13	234	1
4	Tripoli	Libya	251	-61	198	-61	321	-83
5	Cape Town	South Africa	260	-8	261	-2	260	-13
6	Oran	Algeria	269	-4	224	-11	319	16
7	Algiers	Algeria	303	-17	281	-19	354	-23
8	Lagos	Nigeria	314	-12	304	-20	333	1
9	Durban	South Africa	347	-16	328	-5	385	-29
10	Abuja	Nigeria	364	-5	447	-22	305	0

3

Echelon of competition between developed countries and emerging economies has taken shape

3.1 Indian cities are generally weak in sustainable competitiveness and show a downward trend in their world rankings

The Top 3 cities of India are Delhi, Bangalore and Mumbai, all of which are science & technology centers and national central cities. However, in the global rankings, Indian cities are still mostly in the lower range, with Delhi, its most competitive city, ranking 333rd, which is only the upper middle range.

The other seven of India's Top 10 cities are all out of the Top 500 of the world, and nine out of the 10 cities moved down. In addition, Indian cities have higher rankings by high-income population density than by high-income population increment, and Delhi is at the 185th place in the world for the former of the two.

Top 10 Indian cities by sustainable competitiveness, 2015–2016

Ranking	City	Sustainable competitiveness		High-income population density		High-income population increment	
		Global ranking	Change	Global ranking	Change	Global ranking	Change
1	Delhi	333	-16	185	-15	655	-26
2	Bangalore	401	-20	254	-15	694	2
3	Mumbai	430	-35	295	-23	698	-34
4	Chennai	544	-41	341	-19	794	-5
5	Kochi	572	-29	330	-12	841	-1
6	Pune	578	-27	434	-29	756	-5
7	Coimbatore	598	-21	359	-12	827	2
8	Hyderabad	658	-39	520	-21	788	-10
9	Kozhikode	663	-23	437	-25	862	1
10	Dehra Dun	664	5	497	0	810	6

3.2 Chinese cities entered the forefront of the world, with eight among the global Top 100

Specifically, Hong Kong, Shenzhen, Taipei, Shanghai, Beijing, Guangzhou, Macao and Suzhou are the Top 8 cities of China, all within the Top 100 cities in the world; while the remaining two also rank

relatively high in the world. Besides, the high-income population density and high-income population increment of Chinese cities are also high in comparison with most other cities.

Top 10 Chinese cities by sustainable competitiveness, 2015–2016

Ranking	City	Sustainable competitiveness		High-income population density		High-income population increment	
		Global ranking	Change	Global ranking	Change	Global ranking	Change
1	Hong Kong	6	0	3	0	23	-1
2	Shenzhen	23	6	13	3	50	13
3	Taipei	24	-2	18	0	42	1
4	Shanghai	58	-3	66	2	61	-4
5	Beijing	83	3	117	10	51	5
6	Guangzhou	86	-2	91	3	87	-5
7	Macao	94	10	16	1	329	45
8	Suzhou	96	14	123	13	83	11
9	Nanjing	118	15	116	19	114	10
10	Taichung	129	-4	118	-1	126	-5



3.3 Nigerian cities have poor performance and moved down in general

The Top 10 cities in Nigeria generally rank low in the world: The highest-ranking of them, Lagos, is at the 314th place, while all other cities in the Top 10, except Abuja and Ikorodu, rank below 400th. Eight of the top 10 cities have declined in ranking especially Ikorodu and Port Harcourt. In addition, their rankings by high-income population increment and high-income population density are also low, while the trend for the former is upward, what that for the latter is downward.

Top 10 Nigerian cities by sustainable competitiveness, 2015–2016

Ranking	City	Sustainable competitiveness		High-income population density		High-income population increment	
		Global ranking	Change	Global ranking	Change	Global ranking	Change
1	Lagos	314	-12	304	-20	333	1
2	Abuja	364	-5	447	-22	305	0
3	Ikorodu	379	49	376	-10	388	135
4	Port Harcourt	492	1	511	-10	505	15
5	Kano	516	-38	431	-55	663	-14
6	Benin City	581	-20	448	-25	746	12
7	Enugu	614	-19	473	-41	771	15
8	Akure	634	-19	498	-22	773	26
9	Aba	643	-33	499	-19	786	1
10	Ibadan	646	-28	633	-27	689	-17

3.4 Brazilian cities rank relatively high in the world but the overall trend is downward

The overall sustainable competitiveness of the Top 10 cities of Brazil are generally in the upper middle range of the world rankings, but most of them are going down. As for the Tier-2, the general trend for them is also a decline.

Top 10 Brazilian cities in sustainable competitiveness, 2015–2016

Ranking	City	Sustainable competitiveness		High-income population density		High-income population increment	
		Global ranking	Change	Global ranking	Change	Global ranking	Change
1	Sao Paulo	79	-7	150	-5	41	-3
2	Rio de Janeiro	149	-14	213	-10	103	-15
3	Brasília	205	-2	294	-4	136	-13
4	Porto Alegre	213	-2	169	5	280	-19
5	Greater Vitória	243	-14	262	-6	214	-20
6	Campinas	258	-5	289	-2	217	-3
7	Ribeirão Preto	284	4	215	-5	383	7
8	Sao Jose dos Campos	289	2	237	-2	359	7
9	Belo Horizonte	310	-11	405	-9	209	-26
10	Jundiaí	319	6	220	-4	476	57



3.5 U.S. cities show outstanding sustainable competitiveness and lead the world

The Top 10 cities of the United States are all within the Top 40 of the world, with two in the global Top 10, taking the lead in the world. Their rankings are steadily on the rise, with New York- Newark and Boston staying at their original positions, Chicago, Los Angeles-Long Beach-Santa Ana and Miami moving down a bit, and the remaining cities all moving up. Their world rankings by high-income population increment are also in the forefront of the world, with clear leading edges.

Top 10 U.S. cities by sustainable competitiveness, 2015–2016

Ranking	City	Sustainable competitiveness		High-income population density		High-income population increment	
		Global ranking	Change	Global ranking	Change	Global ranking	Change
1	New York-Newark	3	0	43	1	2	0
2	San Francisco-Oakland	8	2	38	2	10	1
3	Chicago	11	-2	89	1	7	-1
4	Boston	14	0	62	1	13	1
5	Philadelphia	16	2	69	2	14	-1
6	Houston	21	2	127	7	9	-1
7	Los Angeles-Long Beach-Santa Ana	27	-1	218	6	5	0
8	Cleveland	28	2	12	0	72	-1
9	Miami	29	-2	67	-3	25	-1
10	Baltimore	33	1	29	1	55	0

3.6 German cities fell slightly in overall rankings but maintained significant advantages in high-income population density.

Nine of the top 10 cities of Germany are within the Top 100 of the world, but most of them dropped slightly on the global list. By Tier-2 indicators, some are up while other are down for high-income population increment, but they generally have clear advantages in high-income population density.

Top 10 German cities in sustainable competitiveness, 2015–2016

Ranking	City	Sustainable competitiveness		High-income population density		High-income population increment	
		Global ranking	Change	Global ranking	Change	Global ranking	Change
1	Munich	10	3	2	0	52	9
2	Stuttgart	12	-1	4	0	44	0
3	Frankfurt am Main	15	2	7	0	49	0
4	Berlin	22	-1	15	-1	47	-2
5	Hamburg	31	1	19	1	73	-3
6	Hannover	37	-2	8	0	135	-2
7	Cologne	67	-3	25	2	134	-7
8	Dortmund	81	-2	11	0	289	8
9	Essen	95	-2	14	-1	342	10
10	Dusseldorf	102	7	32	1	264	17

4 Conclusions

1. Under the background of a slow recovery of global economy in 2013, the sustainable competitiveness of cities worldwide improved on the whole, especially for Oceanian cities. Compared with the high-income population increment, high-income population density played a more important role in determining the sustainable competitiveness of cities worldwide.
2. Regional gaps widened and European and North American cities are in the lead. Tokyo rank first in the world and Japan has the best performers of Asia, Europe had three cities in the world's Top 10, and U.S. cities are in dominance in North America.
3. On the national level, an echelon structure and competition have taken shape between developed countries and emerging economies. U.S. and German cities and cities in other developed countries are in the lead, while cities in emerging economies moved down the global rankings on the whole, leaving considerable room for further improvement.

Appendix

Sustainable Competitiveness Rankings of Cities Worldwide, 2015–2016

City	Country	Score	Ranking	City	Country	Score	Ranking
Tokyo	Japan	1.0000	1	Melbourne	Australia	0.7644	25
Singapore	Singapore	0.9675	2	Doha	Qatar	0.7615	26
New York-Newark	U.S.A.	0.9346	3	Los Angeles-Long Beach-Santa Ana	U.S.A.	0.7594	27
London	U.K.	0.8922	4	Cleveland	U.S.A.	0.7583	28
Paris	France	0.8856	5	Miami	U.S.A.	0.7564	29
Hong Kong	China	0.8844	6	Rome	Italy	0.7530	30
Osaka	Japan	0.8416	7	Hamburg	Germany	0.7427	31
San Francisco-Oakland	U.S.A.	0.8388	8	Manchester	U.K.	0.7406	32
Barcelona	Spain	0.8333	9	Baltimore	U.S.A.	0.7379	33
Munich	Germany	0.8253	10	San Jose	U.S.A.	0.7373	34
Chicago	U.S.A.	0.8249	11	Nagoya	Japan	0.7334	35
Stuttgart	Germany	0.8236	12	Seattle	U.S.A.	0.7311	36
Moscow	Russia	0.8149	13	Hannover	Germany	0.7299	37
Boston	U.S.A.	0.8047	14	Zurich	Switzerland	0.7269	38
Frankfurt am Main	Germany	0.8016	15	Atlanta	U.S.A.	0.7250	39
Philadelphia	U.S.A.	0.7992	16	Milan	Italy	0.7219	40
Madrid	Spain	0.7991	17	Hiroshima	Japan	0.7219	41
Stockholm	Sweden	0.7960	18	Birmingham	U.K.	0.7203	42
Seoul	Republic of Korea	0.7897	19	Montreal	Canada	0.7202	43
Toronto	Canada	0.7814	20	Vienna	Austria	0.7188	44
Houston	U.S.A.	0.7768	21	Amsterdam	Netherlands	0.7147	45
Berlin	Germany	0.7753	22	Dallas-Fort Worth	U.S.A.	0.7126	46
Shenzhen	China	0.7752	23	Salt Lake City	U.S.A.	0.7111	47
Taipei	China	0.7735	24	Copenhagen	Denmark	0.7087	48

Denver-Aurora	U.S.A.	0.7048	49	Riyadh	Saudi Arabia	0.6377	89
Raleigh	U.S.A.	0.7044	50	Adelaide	Australia	0.6336	90
Sydney	Australia	0.7011	51	Glasgow	U.K.	0.6333	91
Kitakyushu-Fukuoka	Japan	0.7008	52	Phoenix-Mesa	U.S.A.	0.6316	92
Geneva	Switzerland	0.6980	53	Istanbul	Turkey	0.6313	93
Perth	Australia	0.6968	54	Macao	China	0.6304	94
Buenos Aires	Argentina	0.6965	55	Essen	Germany	0.6302	95
Tel Aviv-Yafo	Israel	0.6936	56	Suzhou	China	0.6257	96
Bridgeport-Stamford	U.S.A.	0.6935	57	Gwangju	Republic of Korea	0.6226	97
Shanghai	China	0.6934	58	Malaga	Spain	0.6209	98
Dubai	United Arab Emirates	0.6933	59	New Haven	U.S.A.	0.6199	99
Vancouver	Canada	0.6931	60	Las Vegas	U.S.A.	0.6189	100
Orlando	U.S.A.	0.6929	61	Medina	Saudi Arabia	0.6176	101
San Diego	U.S.A.	0.6903	62	Dusseldorf	Germany	0.6156	102
Richmond	U.S.A.	0.6869	63	San Jose	Costa Rica	0.6154	103
Jerusalem	Israel	0.6869	64	Lille	France	0.6150	104
Washington, D.C.	U.S.A.	0.6860	65	Busan	Republic of Korea	0.6119	105
Hartford	U.S.A.	0.6849	66	Daegu	Republic of Korea	0.6104	106
Cologne	Germany	0.6831	67	Dresden	Germany	0.6103	107
West Yorkshire	U.K.	0.6830	68	Naples	Italy	0.6085	108
Detroit	U.S.A.	0.6804	69	Lyon	France	0.6075	109
Brussels	Belgium	0.6795	70	Athens	Greece	0.6073	110
Incheon	Republic of Korea	0.6772	71	Virginia Beach	U.S.A.	0.6073	111
Milwaukee	U.S.A.	0.6736	72	Worcester	U.S.A.	0.6062	112
Ulsan	Republic of Korea	0.6670	73	Nashville-Davidson	U.S.A.	0.6030	113
Valencia	Spain	0.6665	74	Hamilton	Canada	0.6028	114
Helsinki	Finland	0.6650	75	Tampa-St. Petersburg	U.S.A.	0.6019	115
Austin	U.S.A.	0.6624	76	Brisbane	Australia	0.6017	116
Kuala Lumpur	Malaysia	0.6614	77	Hague	Netherlands	0.6008	117
Daejeon	Republic of Korea	0.6571	78	Nanjing	China	0.6003	118
Sao Paulo	Brazil	0.6553	79	Baton Rouge	U.S.A.	0.5994	119
Sapporo	Japan	0.6546	80	Zaragoza	Spain	0.5994	120
Dortmund	Germany	0.6541	81	Auckland	New Zealand	0.5990	121
Columbus	U.S.A.	0.6539	82	Santiago de Chile	Chile	0.5984	122
Beijing	China	0.6528	83	Mexico City	Mexico	0.5970	123
Haifa	Israel	0.6508	84	Rotterdam	Netherlands	0.5955	124
Calgary	Canada	0.6495	85	Jedda	Saudi Arabia	0.5953	125
Guangzhou	China	0.6474	86	Leipzig	Germany	0.5947	126
Louisville	U.S.A.	0.6404	87	Colorado Springs	U.S.A.	0.5937	127
Antwerp	Belgium	0.6382	88	Belfast	U.K.	0.5929	128

Taichung	China	0.5911	129
Charlotte	U.S.A.	0.5899	130
Barcelona-Puerto La Cruz	Venezuela	0.5885	131
Saint Petersburg	Russia	0.5865	132
Qingdao	China	0.5861	133
Minneapolis-Saint Paul	U.S.A.	0.5858	134
Buffalo	U.S.A.	0.5853	135
Tianjin	China	0.5820	136
Sharjah	United Arab Emirates	0.5818	137
Pretoria	South Africa	0.5782	138
Xiamen	China	0.5770	139
Sendai	Japan	0.5762	140
Abu Dhabi	United Arab Emirates	0.5742	141
Liege	Belgium	0.5737	142
Provo-Orem	U.S.A.	0.5733	143
Torino	Italy	0.5716	144
San Juan	Puerto Rico	0.5703	145
Kaohsiung	China	0.5685	146
New Orleans	U.S.A.	0.5662	147
Ottawa-Gatineau	Canada	0.5661	148
Rio de Janeiro	Brazil	0.5659	149
Bogota	Colombia	0.5656	150
Providence	U.S.A.	0.5654	151
Pittsburgh	U.S.A.	0.5653	152
Shizuoka-Hamamatsu M.M.A.	Japan	0.5644	153
San Antonio	U.S.A.	0.5643	154
Indianapolis	U.S.A.	0.5637	155
Valencia	Venezuela	0.5631	156
Kuwait City	Kuwait	0.5628	157
Oslo	Norway	0.5621	158
Foshan	China	0.5608	159
Leicester	U.K.	0.5596	160
Dublin	Ireland	0.5593	161
Honolulu	U.S.A.	0.5592	162
Lima	Peru	0.5589	163
Wuxi	China	0.5584	164
Venice	Italy	0.5584	165
Gold Coast	Australia	0.5564	166
Verona	Italy	0.5551	167
Marseille-Aix-en-Provence	France	0.5547	168

Kansas City	U.S.A.	0.5516	169
Caracas	Venezuela	0.5511	170
Oklahoma City	U.S.A.	0.5507	171
Toulouse	France	0.5504	172
Chengdu	China	0.5489	173
Lisbon	Portugal	0.5486	174
Tehran	Iran	0.5475	175
Charleston-North Charleston	U.S.A.	0.5460	176
Mecca	Saudi Arabia	0.5458	177
Bologna	Italy	0.5455	178
Dongguan	China	0.5452	179
Changsha	China	0.5429	180
Hangzhou	China	0.5428	181
Memphis	U.S.A.	0.5423	182
Wuhan	China	0.5422	183
Florence	Italy	0.5415	184
Astana	Kazakhstan	0.5415	185
Dalian	China	0.5414	186
Ahvaz	Iran	0.5412	187
Karaj	Iran	0.5400	188
Bristol	U.K.	0.5398	189
Zhongshan	China	0.5397	190
Montevideo	Uruguay	0.5393	191
Ogden	U.S.A.	0.5392	192
Columbia	U.S.A.	0.5390	193
Rochester	U.S.A.	0.5383	194
Ningbo	China	0.5369	195
Niigata	Japan	0.5352	196
Tainan	China	0.5347	197
Dayton	U.S.A.	0.5345	198
Budapest	Hungary	0.5313	199
Liverpool	U.K.	0.5297	200
Cincinnati	U.S.A.	0.5282	201
Hefei	China	0.5256	202
Porto	Portugal	0.5172	203
Changzhou	China	0.5168	204
Brasilia	Brazil	0.5155	205
Edmonton	Canada	0.5154	206
Maracaibo	Venezuela	0.5152	207
Knoxville	U.S.A.	0.5150	208

Birmingham	U.S.A.	0.5147	209	Grand Rapids	U.S.A.	0.4849	249
Minsk	Belarus	0.5137	210	Zhenjiang	China	0.4849	250
Dammam	Saudi Arabia	0.5131	211	Tripoli	Libya	0.4838	251
Catania	Italy	0.5129	212	Ankara	Turkey	0.4835	252
Porto Alegre	Brazil	0.5100	213	Gothenburg	Sweden	0.4832	253
Changwon	Republic of Korea	0.5097	214	Zibo	China	0.4822	254
Yantai	China	0.5090	215	Xi' an	China	0.4816	255
Prague	Czech Republic	0.5087	216	Changchun	China	0.4802	256
Maracay	Venezuela	0.5082	217	Samut Prakan	Thailand	0.4793	257
Kumamoto	Japan	0.5079	218	Campinas	Brazil	0.4776	258
Johannesburg	South Africa	0.5078	219	Nantong	China	0.4754	259
Nottingham	U.K.	0.5073	220	Cape Town	South Africa	0.4745	260
Sofia	Bulgaria	0.5071	221	Bursa	Turkey	0.4731	261
Rosario	Argentina	0.5070	222	Toulon	France	0.4729	262
Riverside-San Bernardino	U.S.A.	0.5058	223	Izmir	Turkey	0.4725	263
Akron	U.S.A.	0.5054	224	Seville	Spain	0.4725	264
Muscat	Oman	0.5026	225	Nanchang	China	0.4720	265
Bangkok	Thailand	0.5025	226	Poznan	Poland	0.4719	266
Luanda	Angola	0.5020	227	Shaoxing	China	0.4712	267
Quebec	Canada	0.5013	228	Xuzhou	China	0.4710	268
Jinan	China	0.5012	229	Oran	Algeria	0.4709	269
Shenyang	China	0.5008	230	Cordoba	Argentina	0.4683	270
Cape Coral	U.S.A.	0.4999	231	Bucuresti	Romania	0.4675	271
Amman	Jordan	0.4982	232	Baku	Azerbaijan	0.4668	272
Sheffield	U.K.	0.4978	233	Jining	China	0.4661	273
Leon	Mexico	0.4976	234	Hsinchu	China	0.4640	274
Portland	U.S.A.	0.4972	235	Monterrey	Mexico	0.4629	275
Bordeaux	France	0.4968	236	Fuzhou (FJ)	China	0.4602	276
Zhengzhou	China	0.4966	237	Tyumen	Russia	0.4591	277
Newcastle upon Tyne	U.K.	0.4944	238	Jakarta	Indonesia	0.4590	278
Nantes	France	0.4935	239	Padova	Italy	0.4589	279
Zhuhai	China	0.4932	240	Daqing	China	0.4586	280
Mendoza	Argentina	0.4902	241	Omaha	U.S.A.	0.4582	281
Genoa	Italy	0.4900	242	Bakersfield	U.S.A.	0.4581	282
Greater Vitória	Brazil	0.4884	243	Yangzhou	China	0.4575	283
Johor Bahru	Malaysia	0.4880	244	Ribeirao Preto	Brazil	0.4572	284
Allentown	U.S.A.	0.4879	245	Palermo	Italy	0.4563	285
Bari	Italy	0.4867	246	Havana	Cuba	0.4560	286
Winnipeg	Canada	0.4859	247	Medellin	Colombia	0.4557	287
Santo Domingo	Dominican Republic	0.4851	248	El Paso	U.S.A.	0.4557	288

Sao Jose dos Campos	Brazil	0.4555	289	San Luis Potosi	Mexico	0.4191	329
Thessaloniki	Greece	0.4530	290	Juarez	Mexico	0.4186	330
Nice	France	0.4525	291	Sarasota-Bradenton	U.S.A.	0.4184	331
Sacramento	U.S.A.	0.4520	292	Weifang	China	0.4184	332
Quanzhou	China	0.4518	293	Delhi	India	0.4183	333
Panama City	Panama	0.4514	294	Zagreb	Croatia	0.4178	334
Dongying	China	0.4501	295	Surabaya	Indonesia	0.4177	335
Tijuana	Mexico	0.4486	296	Xiangtan	China	0.4172	336
Gebze	Turkey	0.4475	297	Curitiba	Brazil	0.4149	337
Jiaxing	China	0.4462	298	Nanning	China	0.4146	338
Ufa	Russia	0.4439	299	Zhoushan	China	0.4146	339
Be'er Sheva	Israel	0.4426	300	Bremen	Germany	0.4144	340
Weihai	China	0.4422	301	Lodz	Poland	0.4122	341
Tulsa	U.S.A.	0.4415	302	Wuhu	China	0.4115	342
Algiers	Algeria	0.4402	303	Fresno	U.S.A.	0.4114	343
Tangshan	China	0.4389	304	Rizhao	China	0.4107	344
Taiyuan	China	0.4383	305	Kiev	Ukraine	0.4102	345
Huizhou	China	0.4382	306	Merida	Mexico	0.4100	346
Shijiazhuang	China	0.4378	307	Durban	South Africa	0.4098	347
Quito	Ecuador	0.4373	308	Samara	Russia	0.4091	348
Tucson	U.S.A.	0.4363	309	Recife	Brazil	0.4084	349
Belo Horizonte	Brazil	0.4363	310	Manaus	Brazil	0.4080	350
Santa Fe	Argentina	0.4360	311	Handan	China	0.4075	351
Guadalajara	Mexico	0.4354	312	Valparaiso	Chile	0.4072	352
Warsaw	Poland	0.4352	313	Villahermosa	Mexico	0.4069	353
Lagos	Nigeria	0.4346	314	Zhuzhou	China	0.4069	354
Ipoh	Malaysia	0.4345	315	Santa Cruz	Bolivia	0.4068	355
Santiago de Los Caballeros	Dominican Republic	0.4344	316	Anshan	China	0.4067	356
Taizhou (JS)	China	0.4338	317	Albuquerque	U.S.A.	0.4063	357
Batam	Indonesia	0.4332	318	Sorocaba	Brazil	0.4034	358
Jundiai	Brazil	0.4332	319	Mar Del Plata	Argentina	0.4025	359
Chongqing	China	0.4329	320	Perm	Russia	0.4013	360
Adana	Turkey	0.4314	321	Erbil	Iraq	0.4004	361
Baoding	China	0.4307	322	McAllen	U.S.A.	0.4000	362
Taizhou (ZJ)	China	0.4303	323	Albany	U.S.A.	0.3987	363
Krakow	Poland	0.4298	324	Abuja	Nigeria	0.3979	364
Baghdad	Iraq	0.4277	325	Jilin	China	0.3975	365
Harbin	China	0.4225	326	Belgrade	Serbia	0.3973	366
Asuncion	Paraguay	0.4206	327	Almaty	Kazakhstan	0.3973	367
Kunming	China	0.4203	328	Hohhot	China	0.3973	368

Shiraz	Iran	0.3973	369
Torreon	Mexico	0.3967	370
Buraydah	Saudi Arabia	0.3960	371
Xuchang	China	0.3957	372
Luoyang	China	0.3953	373
Guiyang	China	0.3929	374
Kazan	Russia	0.3923	375
Panjin	China	0.3921	376
Lanzhou	China	0.3909	377
Cartagena	Colombia	0.3897	378
Ikorodu	Nigeria	0.3895	379
Maturín	Venezuela	0.3888	380
Jinhua	China	0.3873	381
Samarinda	Indonesia	0.3873	382
Dezhou	China	0.3865	383
Zhangzhou	China	0.3863	384
Pekanbaru	Indonesia	0.3859	385
Zhaoqing	China	0.3854	386
Fortaleza	Brazil	0.3851	387
Liuzhou	China	0.3851	388
Maanshan	China	0.3845	389
Queretaro	Mexico	0.3844	390
Wenzhou	China	0.3840	391
Haikou	China	0.3836	392
Taian	China	0.3830	393
Antalya	Turkey	0.3819	394
Yancheng	China	0.3818	395
Urumqi	China	0.3818	396
Huzhou	China	0.3816	397
Baotou	China	0.3815	398
Misratah	Libya	0.3814	399
Yichang	China	0.3790	400
Bangalore	India	0.3786	401
Jiangmen	China	0.3785	402
Joinville	Brazil	0.3781	403
Lianyungang	China	0.3776	404
Guatemala City	Guatemala	0.3773	405
Saratov	Russia	0.3773	406
Binzhou	China	0.3766	407
Puebla	Mexico	0.3744	408

Maoming	China	0.3738	409
Goiania	Brazil	0.3738	410
Anyang	China	0.3732	411
Matamoros	Mexico	0.3730	412
Puyang	China	0.3722	413
Deyang	China	0.3721	414
Qinhuangdao	China	0.3716	415
Huangshi	China	0.3715	416
Salvador	Brazil	0.3711	417
Beirut	Lebanon	0.3690	418
Jinzhou	China	0.3688	419
Belem	Brazil	0.3687	420
Aguascalientes	Mexico	0.3678	421
Guayaquil	Ecuador	0.3676	422
Toluca	Mexico	0.3673	423
Uberlandia	Brazil	0.3673	424
Shantou	China	0.3664	425
Tabriz	Iran	0.3656	426
Riga	Latvia	0.3656	427
Cali	Colombia	0.3650	428
Mashhad	Iran	0.3637	429
Mumbai	India	0.3635	430
Xiangyang	China	0.3630	431
Beihai	China	0.3621	432
Ganzhou	China	0.3619	433
Putian	China	0.3613	434
Yaroslavl	Russia	0.3607	435
Zaozhuang	China	0.3605	436
Shiyan	China	0.3599	437
Bengbu	China	0.3597	438
San Salvador	El Salvador	0.3594	439
Londrina	Brazil	0.3589	440
Yinchuan	China	0.3589	441
Liaoyang	China	0.3589	442
Kuching	Malaysia	0.3581	443
Arequipa	Peru	0.3577	444
Yuxi	China	0.3574	445
Ashgabat	Turkmenistan	0.3565	446
Manila	Philippines	0.3565	447
Saltillo	Mexico	0.3563	448

Nanyang	China	0.3555	449
Kaifeng	China	0.3534	450
Xining	China	0.3519	451
Tomsk	Russia	0.3515	452
Ezhou	China	0.3512	453
Benghazi	Libya	0.3512	454
Jingdezhen	China	0.3511	455
Pingdingshan	China	0.3503	456
Songyuan	China	0.3500	457
Mianyang	China	0.3497	458
Langfang	China	0.3496	459
Jieyang	China	0.3490	460
Gaziantep	Turkey	0.3486	461
Huaian	China	0.3480	462
Culiacan	Mexico	0.3478	463
Cochabamba	Bolivia	0.3478	464
HuaiBei	China	0.3464	465
Port Elizabeth	South Africa	0.3459	466
Nairobi	Kenya	0.3455	467
Barnaul	Russia	0.3451	468
Liaocheng	China	0.3449	469
Tieling	China	0.3447	470
Grande Sao Luis	Brazil	0.3439	471
Xinyu	China	0.3438	472
Chenzhou	China	0.3437	473
Hermosillo	Mexico	0.3435	474
Zigong	China	0.3434	475
Bandung	Indonesia	0.3429	476
Pingxiang	China	0.3419	477
Baoji	China	0.3396	478
Trujillo	Peru	0.3395	479
Juiz De Fora	Brazil	0.3378	480
Novosibirsk	Russia	0.3375	481
Yingkou	China	0.3364	482
Reynosa	Mexico	0.3362	483
Huambo	Angola	0.3360	484
Samsun	Turkey	0.3360	485
La Plata	Argentina	0.3356	486
Hebi	China	0.3352	487
Pereira	Colombia	0.3340	488

Cancun	Mexico	0.3338	489
Hengshui	China	0.3334	490
San Miguel de Tucuman	Argentina	0.3334	491
Port Harcourt	Nigeria	0.3328	492
Jiaozuo	China	0.3328	493
Balikpapan	Indonesia	0.3325	494
Cangzhou	China	0.3324	495
Suqian	China	0.3320	496
Fushun	China	0.3317	497
Jingmen	China	0.3317	498
Wroclaw	Poland	0.3313	499
Tunis	Tunisia	0.3310	500
Luzhou	China	0.3310	501
Wuhai	China	0.3307	502
Guilin	China	0.3303	503
Longyan	China	0.3295	504
Luohe	China	0.3289	505
Joao Pessoa	Brazil	0.3283	506
Shuozhou	China	0.3282	507
Ordos	China	0.3282	508
Jingzhou	China	0.3280	509
Chaozhou	China	0.3279	510
Wuzhou	China	0.3274	511
Tolyatti	Russia	0.3269	512
Yueyang	China	0.3267	513
Shangrao	China	0.3255	514
Yangjiang	China	0.3250	515
Kano	Nigeria	0.3230	516
Accra	Ghana	0.3227	517
Ryazan	Russia	0.3223	518
Yingtian	China	0.3223	519
Sanya	China	0.3221	520
Barranquilla	Colombia	0.3220	521
Irkutsk	Russia	0.3219	522
Yulin (SX)	China	0.3215	523
Siping	China	0.3210	524
Campo Grande	Brazil	0.3203	525
Tongling	China	0.3203	526
Barquisimeto	Venezuela	0.3199	527
Linyi	China	0.3195	528

Pachuca de Soto	Mexico	0.3195	529	Zhanjiang	China	0.3032	569
Sanming	China	0.3192	530	Cuiaba	Brazil	0.3031	570
Heze	China	0.3191	531	Sulaymaniyah	Iraq	0.3023	571
Yibin	China	0.3178	532	Kochi	India	0.3017	572
Teresina	Brazil	0.3176	533	Hufuf-Mubarraz	Saudi Arabia	0.3016	573
Malang	Indonesia	0.3174	534	Hamadan	Iran	0.3005	574
Krasnodar	Russia	0.3174	535	Sanmenxia	China	0.3001	575
Tonghua	China	0.3171	536	Kingston	Jamaica	0.3001	576
Astrakhan	Russia	0.3167	537	Huaihua	China	0.2999	577
Liaoyuan	China	0.3164	538	Pune	India	0.2994	578
Panzhuhua	China	0.3162	539	Ningde	China	0.2990	579
Xingtai	China	0.3161	540	Hengyang	China	0.2983	580
Ta' if	Saudi Arabia	0.3160	541	Benin City	Nigeria	0.2982	581
Palembang	Indonesia	0.3159	542	Qinzhou	China	0.2980	582
Kemerovo	Russia	0.3151	543	Jincheng	China	0.2979	583
Chennai	India	0.3148	544	La Paz	Bolivia	0.2972	584
Ziyang	China	0.3142	545	Yunfu	China	0.2969	585
Zhumadian	China	0.3137	546	Yiyang	China	0.2967	586
Tbilisi	Georgia	0.3132	547	Semarang	Indonesia	0.2961	587
Liupanshui	China	0.3128	548	Xianning	China	0.2960	588
Dhaka	Bangladesh	0.3124	549	Mexicali	Mexico	0.2959	589
Xinxiang	China	0.3124	550	Padang	Indonesia	0.2959	590
Chihuahua	Mexico	0.3121	551	Mersin	Turkey	0.2956	591
Feira De Santana	Brazil	0.3120	552	Zhoukou	China	0.2955	592
Datong	China	0.3114	553	Alexandria	Egypt	0.2951	593
Cairo	Egypt	0.3111	554	Lishui	China	0.2943	594
Changzhi	China	0.3099	555	Esfahan	Iran	0.2935	595
Yulin (GX)	China	0.3096	556	Kirkuk	Iraq	0.2931	596
Benxi	China	0.3092	557	Meishan	China	0.2927	597
Leshan	China	0.3088	558	Coimbatore	India	0.2922	598
Changde	China	0.3086	559	Casablanca	Morocco	0.2922	599
Quzhou	China	0.3082	560	Makassar	Indonesia	0.2919	600
Qingyuan	China	0.3082	561	Chelyabinsk	Russia	0.2903	601
Xiayang	China	0.3080	562	Rostov-on-Don	Russia	0.2901	602
Shaoguan	China	0.3071	563	Medan	Indonesia	0.2900	603
Yangquan	China	0.3069	564	Fangchenggang	China	0.2886	604
Huainan	China	0.3065	565	Tongliao	China	0.2882	605
Tegucigalpa	Honduras	0.3059	566	Orumiyeh	Iran	0.2872	606
Karamay	China	0.3049	567	Dazhou	China	0.2870	607
Orenburg	Russia	0.3036	568	Huludao	China	0.2858	608

Voronezh	Russia	0.2853	609	San Pedro Sula	Honduras	0.2697	649
Zhangjiakou	China	0.2851	610	Chifeng	China	0.2696	650
Bogor	Indonesia	0.2851	611	Marrakech	Morocco	0.2695	651
Cuernavaca	Mexico	0.2846	612	Chengde	China	0.2691	652
Kayseri	Turkey	0.2842	613	Dandong	China	0.2688	653
Enugu	Nigeria	0.2842	614	Loudi	China	0.2684	654
Weinan	China	0.2840	615	Jiamusi	China	0.2680	655
Shizuishan	China	0.2833	616	Gaza	State of Palestine	0.2671	656
Nanchong	China	0.2827	617	Maceio	Brazil	0.2668	657
Ulan Bator	Mongolia	0.2823	618	Hyderabad	India	0.2665	658
Xinyang	China	0.2817	619	Guang' an	China	0.2658	659
Tampico	Mexico	0.2802	620	Zaria	Nigeria	0.2658	660
Ibague	Colombia	0.2800	621	Jos	Nigeria	0.2652	661
Omsk	Russia	0.2795	622	Chittagong	Bangladesh	0.2647	662
Morelia	Mexico	0.2792	623	Kozhikode	India	0.2646	663
Concepcion	Chile	0.2789	624	Dehra Dun	India	0.2645	664
Vereeniging	South Africa	0.2786	625	Bhiwandi	India	0.2644	665
Chaoyang	China	0.2780	626	Ciudad Guayana	Venezuela	0.2640	666
Yuncheng	China	0.2779	627	Yekaterinburg	Russia	0.2636	667
Nanping	China	0.2778	628	Anqing	China	0.2636	668
Libreville	Gabon	0.2778	629	Aracaju	Brazil	0.2635	669
Jinzhong	China	0.2773	630	Jiayuguan	China	0.2632	670
Veracruz	Mexico	0.2771	631	Acapulco	Mexico	0.2630	671
Novokuznetsk	Russia	0.2769	632	Sanliurfa	Turkey	0.2629	672
Fuxin	China	0.2767	633	Florianopolis	Brazil	0.2618	673
Akure	Nigeria	0.2767	634	Khabarovsk	Russia	0.2606	674
Jiujiang	China	0.2766	635	Linfen	China	0.2600	675
Natal	Brazil	0.2758	636	Suining	China	0.2600	676
Krasnoyarsk	Russia	0.2757	637	Lahore	Pakistan	0.2596	677
Krivoi Rog	Ukraine	0.2756	638	Kolkata	India	0.2588	678
Ji' an	China	0.2748	639	Nizhny Novgorod	Russia	0.2586	679
Huangshan	China	0.2744	640	Kampala	Uganda	0.2586	680
Rasht	Iran	0.2743	641	Warri	Nigeria	0.2585	681
Eskisehir	Turkey	0.2739	642	Izhevsk	Russia	0.2584	682
Aba	Nigeria	0.2735	643	Bucaramanga	Colombia	0.2583	683
Celaya	Mexico	0.2727	644	Kannur	India	0.2580	684
Xiaogan	China	0.2723	645	Cebu	Philippines	0.2577	685
Ibadan	Nigeria	0.2711	646	Neijiang	China	0.2570	686
Shymkent	Kazakhstan	0.2706	647	Rajshahi	Bangladesh	0.2570	687
Phnom Penh	Cambodia	0.2703	648	Qingyang	China	0.2564	688

Yan' an	China	0.2559	689	Khartoum	Sudan	0.2385	729
Hanzhong	China	0.2556	690	Oshogbo	Nigeria	0.2383	730
Colombo	Sri Lanka	0.2556	691	Safaqis	Tunisia	0.2378	731
Denizli	Turkey	0.2554	692	Puducherry	India	0.2376	732
Chiclayo	Peru	0.2550	693	Port Said	Egypt	0.2374	733
Port-au-Prince	Haiti	0.2544	694	Mudanjiang	China	0.2364	734
Karachi	Pakistan	0.2540	695	Huanggang	China	0.2361	735
Managua	Nicaragua	0.2528	696	Ahmedabad	India	0.2355	736
Oaxaca	Mexico	0.2509	697	Jinchang	China	0.2353	737
Harare	Zimbabwe	0.2509	698	Guwahati	India	0.2352	738
Basra	Iraq	0.2506	699	Can Tho	Vietnam	0.2337	739
Douala	Cameroon	0.2503	700	Kollam	India	0.2337	740
Baishan	China	0.2496	701	Mangalore	India	0.2333	741
Qujing	China	0.2494	702	Karbala	Iraq	0.2333	742
Abidjan	Cote d' Ivoire	0.2490	703	Volgograd	Russia	0.2333	743
Chuzhou	China	0.2487	704	Kota	India	0.2328	744
Guigang	China	0.2486	705	Chisinau	Republic of Moldova	0.2321	745
Tuxtla Gutierrez	Mexico	0.2484	706	Yongzhou	China	0.2321	746
Yichun (JX)	China	0.2484	707	Suihua	China	0.2310	747
Fuyang	China	0.2476	708	Kitwe	Zambia	0.2307	748
Fuzhou (JX)	China	0.2475	709	Rabat	Morocco	0.2306	749
Lvliang	China	0.2475	710	Kermanshah	Iran	0.2301	750
Shanwei	China	0.2472	711	Thiruvananthapuram	India	0.2299	751
Shangqiu	China	0.2471	712	Bozhou	China	0.2291	752
Chizhou	China	0.2469	713	Baicheng	China	0.2290	753
Poza Rica	Mexico	0.2463	714	Haiphong	Vietnam	0.2289	754
Zunyi	China	0.2460	715	Davao	Philippines	0.2277	755
Diyarbakir	Turkey	0.2458	716	Ulanqab	China	0.2276	756
Uyo	Nigeria	0.2448	717	Guangyuan	China	0.2270	757
Owerri	Nigeria	0.2446	718	Suizhou	China	0.2269	758
Tasikmalaya	Indonesia	0.2443	719	Ilorin	Nigeria	0.2266	759
Qom	Iran	0.2441	720	Suzhou (AH)	China	0.2262	760
Kerman	Iran	0.2437	721	Lu' an	China	0.2261	761
Cucuta	Colombia	0.2416	722	Heyuan	China	0.2258	762
Malappuram	India	0.2410	723	Vladivostok	Russia	0.2257	763
Meknes	Morocco	0.2407	724	Onitsha	Nigeria	0.2253	764
Chongzuo	China	0.2405	725	Tlaxcala	Mexico	0.2253	765
Durg-Bhilai Nagar	India	0.2400	726	Kumasi	Ghana	0.2250	766
Xalapa	Mexico	0.2398	727	Santa Marta	Colombia	0.2249	767
Xuancheng	China	0.2393	728	Makhachkala	Russia	0.2249	768

Da Nang	Vietnam	0.2246	769	Yazd	Iran	0.2039	809
Salem	India	0.2232	770	Pingliang	China	0.2037	810
Laibin	China	0.2232	771	Yerevan	Armenia	0.2027	811
Hulunbair	China	0.2228	772	Damascus	Syria	0.2020	812
Ludhiana	India	0.2225	773	Baise	China	0.2016	813
Kharkov	Ukraine	0.2218	774	Kinshasa	Democratic Republic of the Congo	0.2015	814
Tangier	Morocco	0.2211	775	Jodhpur	India	0.2013	815
Qiqihar	China	0.2210	776	Surat	India	0.2011	816
Tabuk	Saudi Arabia	0.2207	777	Wuzhong	China	0.2011	817
Bahawalpur	Pakistan	0.2192	778	Mosul	Iraq	0.1999	818
Lome	Togo	0.2188	779	Shaoyang	China	0.1998	819
Xinzhou	China	0.2187	780	Ulyanovsk	Russia	0.1995	820
Hanoi	Vietnam	0.2177	781	Sialkot	Pakistan	0.1991	821
Nasiriyah	Iraq	0.2174	782	Villavicencio	Colombia	0.1989	822
Ho Chi Minh City	Vietnam	0.2174	783	Shangluo	China	0.1988	823
Anshun	China	0.2171	784	Lincang	China	0.1988	824
Pointe-Noire	Republic of the Congo	0.2169	785	Visakhapatnam	India	0.1988	825
Lusaka	Zambia	0.2168	786	Jalandhar	India	0.1985	826
Cagayan de Oro	Philippines	0.2162	787	Bhubaneswar	India	0.1985	827
Hyderabad	Pakistan	0.2159	788	Bandar Lampung	Indonesia	0.1981	828
Yaan	China	0.2154	789	Asmara	Eritrea	0.1981	829
Denpasar	Indonesia	0.2149	790	Amritsar	India	0.1974	830
Konya	Turkey	0.2145	791	Kathmandu	Nepal	0.1969	831
Meizhou	China	0.2133	792	Thrissur	India	0.1968	832
Tongchuan	China	0.2132	793	Donetsk	Ukraine	0.1966	833
Nagpur	India	0.2131	794	Zaporizhzhya	Ukraine	0.1964	834
Mombasa	Kenya	0.2123	795	Aurangabad	India	0.1951	835
Ardabil	Iran	0.2118	796	Faisalabad	Pakistan	0.1947	836
Baoshan	China	0.2117	797	Sylhet	Bangladesh	0.1943	837
Shuangyashan	China	0.2114	798	Asansol	India	0.1942	838
Fes	Morocco	0.2097	799	Jixi	China	0.1922	839
Qitaihe	China	0.2084	800	Durango	Mexico	0.1914	840
Islamabad	Pakistan	0.2080	801	Tirupati	India	0.1914	841
Zhongwei	China	0.2078	802	Sokoto	Nigeria	0.1912	842
Nouakchott	Mauritania	0.2078	803	Erode	India	0.1911	843
Bayannur	China	0.2070	804	Odessa	Ukraine	0.1905	844
Brazzaville	Republic of the Congo	0.2063	805	Hegang	China	0.1899	845
Ankang	China	0.2061	806	Dakar	Senegal	0.1899	846
General Santos City	Philippines	0.2059	807	Baiyin	China	0.1895	847
Hezhou	China	0.2047	808	Kolhapur	India	0.1894	848

Khulna	Bangladesh	0.1891	849	Siliguri	India	0.1652	889
Mysore	India	0.1889	850	Srinagar	India	0.1650	890
Dnipropetrovsk	Ukraine	0.1879	851	Sukkur	Pakistan	0.1636	891
Tashkent	Uzbekistan	0.1872	852	Hechi	China	0.1618	892
Kaduna	Nigeria	0.1866	853	Longnan	China	0.1614	893
Zahedan	Iran	0.1856	854	Bokaro Steel City	India	0.1607	894
Wuwei	China	0.1849	855	Sekondi	Ghana	0.1603	895
Patna	India	0.1849	856	Guyuan	China	0.1601	896
Dar es Salaam	Tanzania	0.1848	857	Dingxi	China	0.1601	897
Vellore	India	0.1841	858	Lubumbashi	Democratic Republic of the Congo	0.1595	898
Pontianak	Indonesia	0.1841	859	Hamah	Syria	0.1584	899
Jambi	Indonesia	0.1836	860	Guntur	India	0.1582	900
Yaounde	Cameroon	0.1833	861	Gwalior	India	0.1581	901
Tiruchirappalli	India	0.1831	862	Bazhong	China	0.1580	902
Jaipur	India	0.1818	863	Cuttack	India	0.1577	903
Lucknow	India	0.1812	864	Lijiang	China	0.1574	904
Rawalpindi	Pakistan	0.1803	865	Peshawar	Pakistan	0.1570	905
Lvov	Ukraine	0.1785	866	Vadodara	India	0.1567	906
Tiruppur	India	0.1781	867	Sangali	India	0.1567	907
Madurai	India	0.1775	868	Gujranwala	Pakistan	0.1562	908
Banjarmasin	Indonesia	0.1775	869	Agadir	Morocco	0.1557	909
Tianshui	China	0.1766	870	Yichun (HLJ)	China	0.1555	910
Jamshedpur	India	0.1756	871	Hubli-Dharwad	India	0.1550	911
Kurnool	India	0.1749	872	Raurkela	India	0.1550	912
Bacolod	Philippines	0.1745	873	Latakia	Syria	0.1547	913
Najaf	Iraq	0.1739	874	Vijayawada	India	0.1545	914
Jammu	India	0.1727	875	Aligarh	India	0.1545	915
Meerut	India	0.1724	876	Saharanpur	India	0.1544	916
Zhangye	China	0.1697	877	Chandigarh	India	0.1540	917
Varanasi	India	0.1694	878	Jiuquan	China	0.1537	918
Salta	Argentina	0.1689	879	Zhangjiajie	China	0.1537	919
Kabul	Afghanistan	0.1684	880	Indore	India	0.1535	920
Nashik	India	0.1681	881	Puer	China	0.1527	921
Rajkot	India	0.1680	882	Freetown	Sierra Leone	0.1523	922
Ranchi	India	0.1676	883	Bien Hoa	Vietnam	0.1518	923
Zhaotong	China	0.1668	884	Allahabad	India	0.1507	924
Jamnagar	India	0.1667	885	Suez	Egypt	0.1505	925
Namangan	Uzbekistan	0.1665	886	Heihe	China	0.1500	926
Zamboanga	Philippines	0.1662	887	Muzaffarnagar	India	0.1495	927
Cherthala	India	0.1657	888	Bhopal	India	0.1481	928

Vientiane	Laos	0.1467	929	Firozabad	India	0.1157	968
Kanpur	India	0.1443	930	Quetta	Pakistan	0.1154	969
Dhanbad	India	0.1437	931	Malegaon	India	0.1152	970
Bulawayo	Zimbabwe	0.1433	932	Warangal	India	0.1150	971
Bareilly	India	0.1429	933	Sana' a'	Yemen	0.1148	972
Zanzibar	Tanzania	0.1426	934	Addis Ababa	Ethiopia	0.1146	973
Rangoon	Myanmar	0.1421	935	Sargodha	Pakistan	0.1144	974
Kigali	Rwanda	0.1413	936	Gorakhpur	India	0.1100	975
Bogra	Bangladesh	0.1402	937	Nay Pyi Taw	Myanmar	0.1097	976
Aleppo	Syria	0.1399	938	Bishkek	Kyrgyzstan	0.1096	977
Agra	India	0.1385	939	Bikaner	India	0.1095	978
Belgaum	India	0.1381	940	Homs	Syria	0.1083	979
Cotonou	Benin	0.1376	941	Bamako	Mali	0.1015	980
Multan	Pakistan	0.1375	942	Blantyre-Limbe	Malawi	0.1008	981
Amravati	India	0.1369	943	Raipur	India	0.0984	982
Moradabad	India	0.1348	944	Bouake	Cote d' Ivoire	0.0979	983
Solapur	India	0.1346	945	Ouagadougou	Burkina Faso	0.0965	984
Bhavnagar	India	0.1346	946	Aden	Yemen	0.0921	985
Monrovia	Liberia	0.1343	947	Matola	Mozambique	0.0917	986
Gulbarga	India	0.1334	948	Conakry	Guinea	0.0907	987
Ajmer	India	0.1324	949	Tshikapa	Democratic Republic of the Congo	0.0869	988
Durgapur	India	0.1312	950	Mandalay	Myanmar	0.0831	989
Nyala	Sudan	0.1307	951	Maputo	Mozambique	0.0794	990
Imphal	India	0.1306	952	Antananarivo	Madagascar	0.0788	991
Al-Raqqa	Syria	0.1302	953	Bujumbura	Burundi	0.0784	992
Niamey	Niger	0.1283	954	Mbuji-Mayi	Democratic Republic of the Congo	0.0756	993
Jabalpur	India	0.1273	955	Bobo Dioulasso	Burkina Faso	0.0743	994
Maiduguri	Nigeria	0.1272	956	Lilongwe	Malawi	0.0702	995
Tirunelveli	India	0.1256	957	Dushanbe	Tajikistan	0.0698	996
Nanded Waghala	India	0.1249	958	Kananga	Democratic Republic of the Congo	0.0651	997
Mwanza	Tanzania	0.1238	959	Hargeysa	Somalia	0.0651	998
Mathura	India	0.1218	960	Bukavu	Democratic Republic of the Congo	0.0626	999
Kayamkulam	India	0.1217	961	Mogadishu	Somalia	0.0623	1000
Ujjain	India	0.1208	962	Hodeidah	Yemen	0.0486	1001
Abomey-Calavi	Benin	0.1207	963	Nampula	Mozambique	0.0473	1002
Nnewi	Nigeria	0.1198	964	N' Djamena	Chad	0.0270	1003
Jhansi	India	0.1197	965	Taiz	Yemen	0.0222	1004
Djibouti	Djibouti	0.1175	966	Bangui	Central African Republic	0.0198	1005
Nellore	India	0.1166	967	Kisangani	Democratic Republic of the Congo	- .000	1006

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