

Universities from South Korea in the 2015 edition of the Shanghai ranking

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Abstract The emergence of international academic rankings is one of the most interesting phenomena in the field of comparative analysis of higher education. Once we have found a way to accurately replicate the results of the ranking, we are in a position to shed light into the performance of whole University systems. This report presents the results of 100 universities from South Korea in ARWU 2005. Comparisons with the results presented in our previous 2013 report are also shown.

Keywords Academic rankings · Shanghai · arwu · world class universities · Korean universities · Korea · Korean Higher Education System

1 Introduction

The Academic Ranking of World Universities (ARWU) a.k.a the Shanghai Ranking, evaluates the research performance of academic institutions on the basis of numerical measures related to individual outstanding achievements and institutional research throughput. A first hand account of the Shanghai ranking indicators can be found in Liu and Cheng (2005), and is summarized in Docampo (2013). A reliable account of the ranking procedures can be found in Docampo and Cram (2014). For a guided tour into the computation of the ranking scores (2015 edition of ARWU) the reader is referred to Docampo and Cram (2015). This report analyzes the performance of 100 universities from South Korea in ARWU 2015. To collect the necessary data for the computation of the ARWU raw scores, we have checked the electronic sources shown in Section 2. Results are present in Section 4.

2 Electronic sources

Data were gathered from the following Electronic Sources:

- ARWU data from <http://www.arwu.org>

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- Nobel Prize Laureates available at <http://nobelprize.org/>
 - Data on Field Medalists available at http://en.wikipedia.org/wiki/Fields_Medal
 - Data on Highly Cited Authors available at <http://highlycited.com/>
 - Data on scientific production available at <http://www.webofknowledge.com>.

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https://www.researchgate.net/profile/Domingo_Docampo/contributions/

3 Affiliation names

Names and estimated Full Time Academic Staff figures are shown in Table 1. Some disambiguation problems with affiliations may still persist, so we warmly invite comments on any apparent errors or uncertainties in the list of institutional name variants that comprise the WOK OG names. We are sure that some mistakes have likely been made when estimating FTE figures, so we would again warmly welcome any suggestion that could help in arriving at the appropriate FTE counting for each institution.

4 Results

We show in this report results corresponding to 100 Higher Education institutions from South Korea in the 2015 edition of ARWU. It is worth mentioning that the entrance score in the 500 universities was close to 9.6. We have reproduced the results of the ARWU webpage in the case of the universities ranked below 500. The rest of the scores have been computed using the procedures documented in Docampo and Cram (2015). In the 2015 edition we have added 40 more institutions and have also included information on the global standing of universities from South Korea. We now show the ranking of the universities both within the local Higher Education System (columns 9 and 10 in the tables that follow) and the global ARWU position as well (final column), among 3500 universities worldwide. The number of universities from Korea in ARWU 500 has gone up from 11 to 12, with two universities climbing up one tier. As far as ARWU is concerned, the Korean university system is better off than it was in 2013. Table 2 shows the complete ARWU results for universities clasified up to 1000 in ARWU 2015. Table 3 shows ARWU results for the remaining universities.

References

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Affiliation Name	WOK og name	FTE
Ajou University	ajou university	1191
Andong National University	andong national university	258
Catholic University of Korea	catholic university of korea	154
Catholic University of Pusan	catholic university pusan	170
Cha University	pochon cha university	169
Changwon National University	changwon national university	212
Cheongju University	cheongju university	230
Chonbuk National University	chonbuk national university	664
Chonnam National University	chonnam national university	1056
Chosun University	chosun university	734
Chung Ang University	chung ang university	961
Chungbuk National University	chungbuk national university	529
Chungnam National University	chungnam national university	569
Daegu Gyeongbuk Inst Science and Technology	daegu gyeongbuk institute of science technology	163
Daegu Haany University	daegu haany univ	300
Daegu University	daegu university	547
Daejeon University	daejeon university	126
Dankook University	dankook university	911
Dong A University	dong a university	448
Dong Eui University	dong eui university	408
Dongduk Women's University	dongduk womens univ	202
Dongguk University	dongguk university	547
Dongseo University	dongseo univ	350
Duksung Womens University	duksung womens university	229
Eulji University	eulji university	243
Ewha Womans University	ewha womans university	738
Gachon University	gachon univ	796
GangneungWonju National University	kangnung wonju national university	412
Gwangju institute of Science Technology	gwangju institute of science technology	136
Gyeongnam Natl Univ of Science and Technology	gyeongnam natl univ sci technol	220
Gyeongsang National University	gyeongsang national university	360
Hallym University	hallym university	647
Hanbat National University	hanbat national university	280
Hankuk University of Foreign Studies	hankuk univ foreign studies	325
Hankyong National University	hankyong natl univ	155
Hannam University	hannam univ	393
Hanseo University	hanseo univ	250
Hanyang University	hanyang university	758
Hongik University	hongik university	510
Hoseo University	hoseo univ	450
Incheon National University	incheon natl univ	370
inha University	inha university	922
Inje University	inje university	869
Jeju National University	jeju national university	984
Jeonju University	jeonju univ	346
Kangwon National University	kangwon national university	1711
Keimyung University	keimyung university	647
Kongju National University	kongju national university	526
Konkuk University	konkuk university	1293
Konyang University	konyang univ	338

Affiliation Name	WOK og name	FTE
Kookmin University	kookmin university	385
KAIST	korea advanced institute of science technology kaist	452
Korea Aerospace University	korea aerospace university	156
Korea Maritime and Ocean University	korea maritime ocean university	139
Korea Natl University of Transportation	korea national university of transportation	280
Korea University	korea university	1199
Korea Univ of Science & Technology	korea univ sci technol	649
Korea Univ of Technology and Education	korea university of technology education	190
Kosin University	kosin univ	247
Kunsan National University	kunsan natl univ	323
Kwandong University	kwandong univ	650
Kwangwoon University	kwangwoon university	321
Kyonggi University	kyonggi univ	500
Kyung Hee University	kyung hee university	1023
Kyungil University	kyungil univ	323
Kyungnam University	kyungnam univ	300
Kyungpook National University	kyungpook national university	896
Kyungsung University	kyungsung univ	145
Mokpo National University	mokpo natl univ	475
Mokwon University	mokwon univ	230
Myongji University	myongji university	440
Namseoul University	namseoul univ	165
Postech	pohang university of science technology postech	221
Pukyong National University	pukyong national university	352
Pusan National University	pusan national university	1045
Sahmyook University	sahmyook university	298
Sangji University	sangji univ	222
Sangmyung University	sang myung university	570
Sejong University	sejong university	547
Semyung University	semyung university	170
Seoul National University	seoul national university	1895
Seoul Natl Univ Science and Technology	seoul natl univ sci technol	815
Seoul Womens University	seoul women s university	250
Seowon University	seowon univ	220
Silla University	silla univ	297
Sogang University	sogang university	650
Sookmyung Women's University	sookmyung women s university	369
Soonchunhyang University	soonchunhyang university	526
Soongsil University	soongsil university	1232
Sun Moon University	sun moon univ	200
Sunchon National University	sunchon national university	259
Sungkyunkwan University	sungkyunkwan university	1067
Sungshin Womens University	sungshin women s university	175
Sunmoon University	sunmoon univ	234
University of Seoul	university of seoul	361
University of Suwon	univ suwon	368
University of Ulsan	university of ulsan	1404
Woosuk University	woosuk univ	143
Yeungnam University	yeungnam university	950
Yonsei University	yonsei university	1287

Table 1: Universities from South Korea: affiliation name, Thomson Reuters organizations enhanced name, Full Time Academic Staff for the computation of the PCP indicator

INSTITUTION	ARWU INDICATORS AND FINAL SCORE							Local RKG		ARWU RKG
	Alu	Awd	HICI	N&S	PUB	PCP	score	2015	2013	2015
Seoul Natl Univ	0.0	0.0	12.3	17.9	67.1	23.5	22.3	1	1	101-150
Korea Univ	0.0	0.0	8.7	8.7	50.7	22.1	16.2	2	5	201-300
Yonsei Univ	0.0	0.0	8.6	4.9	52.1	21.4	15.6	3	2	201-300
KAIST	0.0	0.0	8.3	14.1	38.8	28.7	15.5	4	3	201-300
Sungkyunkwan Univ	0.0	0.0	0.0	11.1	47.0	21.4	14.1	5	4	201-300
POSTECH	0.0	0.0	7.1	9.1	29.9	31.9	12.7	6	6	301-400
Hanyang Univ	0.0	0.0	0.0	6.9	40.5	21.6	11.9	7	7	301-400
Kyung Hee Univ	0.0	0.0	5.0	4.4	38.9	18.0	11.7	8	8	301-400
Ewha Womans Univ	0.0	0.0	5.0	8.6	27.7	15.9	10.1	9	13	401-500
Catholic Univ Korea	0.0	0.0	0.0	1.5	29.8	34.8	10.0	10	10	401-500
Pusan Natl Univ	0.0	0.0	0.0	4.3	35.7	16.1	9.8	11	9	401-500
Kyungpook Natl Univ	0.0	0.0	0.0	3.3	35.0	17.0	9.6	12	10	401-500
Gyeongsang Natl Univ	0.0	0.0	7.1	2.5	23.8	19.8	8.9	13	20	501-600
Chonnam Natl Univ	0.0	0.0	0.0	2.9	32.7	14.6	8.8	14	16	501-600
Chung Ang Univ	0.0	0.0	0.0	5.1	30.3	14.3	8.7	15	19	501-600
Univ Ulsan	0.0	0.0	0.0	2.1	33.5	13.0	8.6	16	18	501-600
Konkuk Univ	0.0	0.0	0.0	4.9	30.6	12.5	8.5	17	17	501-600
Chonbuk Natl Univ	0.0	0.0	0.0	2.1	30.2	17.0	8.4	18	13	501-600
Chungnam Natl Univ	0.0	0.0	0.0	2.1	28.4	17.3	8.0	19	12	601-700
inha Univ	0.0	0.0	0.0	2.1	28.1	13.4	7.6	20	20	601-700
Chungbuk Natl Univ	0.0	0.0	0.0	4.6	22.5	14.4	7.0	21	20	701-800
Gwangju Inst Sci Technol	0.0	0.0	0.0	3.3	19.0	23.9	7.0	21	15	701-800
Pukyong Natl Univ	0.0	0.0	5.0	0.0	20.1	16.4	6.8	23	28	701-800
Yeungnam Univ	0.0	0.0	0.0	0.0	26.7	12.5	6.8	23	25	701-800
Ajou Univ	0.0	0.0	0.0	2.5	24.8	10.5	6.7	25	26	701-800
Kangwon Natl Univ	0.0	0.0	0.0	2.5	24.7	8.7	6.5	26	27	701-800
Dongguk Univ	0.0	0.0	0.0	0.0	23.7	14.7	6.4	27	34	701-800
Inje Univ	0.0	0.0	0.0	0.0	24.2	11.9	6.2	28	29	801-900
Sogang Univ	0.0	0.0	0.0	4.9	19.4	11.4	6.1	29	23	801-900
Dankook Univ	0.0	0.0	0.0	1.5	22.6	10.9	6.0	30	30	801-900
Hallym Univ	0.0	0.0	0.0	1.5	21.7	12.4	6.0	30	34	801-900
Gachon Univ	0.0	0.0	0.0	0.0	22.7	11.6	5.8	32	32	801-900
Sejong Univ	0.0	0.0	0.0	1.5	18.9	11.7	5.4	33	24	901-1000

Table 2: Universities from South Korea in ARWU (1-1000) 2015

INSTITUTION	ARWU INDICATORS AND FINAL SCORE							Local RKG		ARWU RKG
	Alu	Awd	HICI	N&S	PUB	PCP	score	2015	2013	2015
Dong A Univ	0.0	0.0	0.0	0.0	18.1	12.4	5.0	34	36	1001-1250
Univ Seoul	0.0	0.0	0.0	2.1	16.1	12.4	5.0	34	36	1001-1250
Chosun Univ	0.0	0.0	0.0	0.0	18.7	10.0	4.9	36	32	1001-1250
Jeju Natl Univ	0.0	0.0	0.0	1.5	18.2	8.4	4.9	36	38	1001-1250
Soonchunhyang Univ	0.0	0.0	0.0	0.0	18.2	11.5	4.9	36	38	1001-1250
Keimyung Univ	0.0	0.0	0.0	1.5	17.1	9.8	4.8	39	42	1001-1250
Cha Univ	0.0	0.0	0.0	1.5	13.5	15.1	4.6	40	-	1001-1250
Soongsil Univ	0.0	0.0	0.0	4.6	14.6	6.3	4.6	40	41	1001-1250
Eulji Univ	0.0	0.0	0.0	0.0	14.6	13.6	4.4	42	-	1001-1250
Kwangwoon Univ	0.0	0.0	0.0	0.0	15.2	12.3	4.4	42	40	1001-1250
Daegu Gyeongbuk Inst Sci Tech	0.0	0.0	0.0	0.0	12.9	14.6	4.1	44	60	1251-1500
Kookmin Univ	0.0	0.0	0.0	0.0	14.5	10.7	4.1	44	43	1251-1500
Hongik Univ	0.0	0.0	0.0	0.0	14.7	9.4	4.0	46	46	1251-1500
Kongju Natl Univ	0.0	0.0	0.0	0.0	14.5	9.1	3.9	47	44	1251-1500
Seoul Natl Univ Sci Tech	0.0	0.0	0.0	0.0	14.7	7.5	3.8	48	46	1251-1500
Hanbat Natl Univ	0.0	0.0	0.0	1.5	11.4	9.9	3.7	49	49	1251-1500
Myongji Univ	0.0	0.0	0.0	0.0	13.4	9.2	3.7	49	49	1251-1500
Sunchon Natl Univ	0.0	0.0	0.0	0.0	12.6	11.3	3.7	49	46	1251-1500
Changwon Natl Univ	0.0	0.0	0.0	0.0	11.6	11.5	3.6	52	45	1501-2000
Incheon Natl Univ	0.0	0.0	0.0	0.0	12.6	9.5	3.6	52	54	1501-2000
Sookmyung Women's Univ	0.0	0.0	0.0	1.5	11.6	8.8	3.6	52	53	1501-2000
Hankuk Univ Foreign Studies	0.0	0.0	0.0	0.0	11.8	9.5	3.4	55	-	1501-2000
Daegu Univ	0.0	0.0	0.0	0.0	12.1	7.5	3.2	56	49	1501-2000
Kyonggi Univ	0.0	0.0	0.0	0.0	11.7	7.6	3.2	56	-	1501-2000
GangneungWonju Natl Univ	0.0	0.0	0.0	0.0	10.7	7.6	3.0	58	54	1501-2000
Hoseo Univ	0.0	0.0	0.0	0.0	11.1	7.6	3.0	58	-	1501-2000
Andong Natl Univ	0.0	0.0	0.0	0.0	9.6	8.6	2.9	60	-	1501-2000
Dongduk Women's Univ	0.0	0.0	5.0	0.0	4.8	8.7	2.9	60	-	1501-2000
Korea Aerospace Univ	0.0	0.0	0.0	0.0	9.0	10.4	2.9	60	-	1501-2000
Korea Mar Ocean Univ	0.0	0.0	0.0	0.0	8.7	10.7	2.9	60	54	1501-2000
Korea Natl Univ Transp	0.0	0.0	0.0	0.0	10.0	8.6	2.9	60	-	1501-2000
Dong Eui Univ	0.0	0.0	0.0	0.0	10.2	7.3	2.8	65	52	1501-2000
Hannam Univ	0.0	0.0	0.0	0.0	10.0	7.3	2.8	65	57	1501-2000
Kunsan Natl Univ	0.0	0.0	0.0	0.0	9.6	7.7	2.8	65	-	1501-2000
Mokpo Natl Univ	0.0	0.0	0.0	0.0	10.2	6.8	2.8	65	59	1501-2000
Daejeon Univ	0.0	0.0	0.0	0.0	7.9	10.2	2.7	69	-	2001-2500
Hankyong Natl Univ	0.0	0.0	0.0	0.0	8.4	9.8	2.7	69	-	2001-2500
Konyang Univ	0.0	0.0	0.0	0.0	9.4	7.4	2.7	69	-	2001-2500
UST	0.0	0.0	0.0	2.1	8.7	5.1	2.7	69	-	2001-2500
Korea Univ Tech Educ	0.0	0.0	0.0	0.0	8.6	9.0	2.7	69	-	2001-2500
Sangmyung Univ	0.0	0.0	0.0	0.0	10.3	6.2	2.7	69	-	2001-2500
Kosin Univ	0.0	0.0	0.0	0.0	8.7	8.0	2.6	75	58	2001-2500
Sahmyook Univ	0.0	0.0	0.0	0.0	8.5	7.1	2.5	76	-	2001-2500
Daegu Haany Univ	0.0	0.0	0.0	0.0	8.2	6.9	2.4	77	-	2001-2500
Hanseo Univ	0.0	0.0	0.0	0.0	7.9	7.2	2.4	77	-	2001-2500
Cheongju Univ	0.0	0.0	0.0	0.0	7.5	7.2	2.3	79	-	2001-2500
Duksung Womens Univ	0.0	0.0	0.0	1.5	6.6	6.5	2.3	79	-	2001-2500
Kwandong Univ	0.0	0.0	0.0	0.0	8.9	5.1	2.3	79	-	2001-2500
Sangji Univ	0.0	0.0	0.0	0.0	7.4	7.2	2.3	79	-	2001-2500
Kyungnam Univ	0.0	0.0	0.0	0.0	7.6	6.3	2.2	83	-	2001-2500
Kyongsung Univ	0.0	0.0	0.0	0.0	6.7	8.1	2.2	83	-	2001-2500
Sungshin Womens Univ	0.0	0.0	0.0	1.5	5.8	6.6	2.2	83	-	2001-2500
Gyeongnam Natl Univ Sci Tech	0.0	0.0	0.0	0.0	6.9	6.7	2.1	86	-	2001-2500
Seoul Womens Univ	0.0	0.0	0.0	0.0	7.2	6.6	2.1	86	-	2001-2500
Silla Univ	0.0	0.0	0.0	0.0	7.3	6.1	2.1	86	-	2001-2500
Sun Moon Univ	0.0	0.0	0.0	0.0	6.8	7.0	2.1	86	-	2001-2500
Dongseo Univ	0.0	0.0	0.0	0.0	6.9	5.3	2.0	90	-	2501-3000
Jeonju Univ	0.0	0.0	0.0	0.0	6.9	5.4	2.0	90	-	2501-3000
Kyungil Univ	0.0	0.0	0.0	0.0	6.5	5.2	1.9	92	-	2501-3000
Namseoul Univ	0.0	0.0	0.0	0.0	5.8	6.5	1.9	92	-	2501-3000
Sunmoon Univ	0.0	0.0	0.0	0.0	6.4	6.1	1.9	92	-	2501-3000
Univ Suwon	0.0	0.0	0.0	0.0	6.7	5.1	1.9	92	-	2501-3000
Catholic Univ Pusan	0.0	0.0	0.0	0.0	5.7	6.3	1.8	96	-	2501-3000
Mokwon Univ	0.0	0.0	0.0	0.0	6.1	5.8	1.8	96	-	2501-3000
Semyung Univ	0.0	0.0	0.0	0.0	5.8	6.4	1.8	96	-	2501-3000
Seowon Univ	0.0	0.0	0.0	0.0	5.9	5.8	1.8	96	-	2501-3000
Woosuk Univ	0.0	0.0	0.0	0.0	5.3	6.4	1.7	100	-	2501-3000

Table 3: Universities from South Korea in ARWU (1001-3500) 2015