TABLE 14. 5: Using SciVal for Ranking Asian Universities Compared to THE and SIR

SciVal Field Weighted Citation (FWCI); THE Minimum of 1000 articles over 5 year period; SIR Top 100 by score excluding Middle East, Australia and NZ

University key: All four impact ranks; three impact ranks; two impact ranks; unique to its column See key for column headings and abbreviations below

1 University	2 FWCI Data	3 Output Rank Asia	4 FWCI Top 100 Asia	5 Top 100 Output Rank Asia	6 THE Asia Top 100 Impact	7 THE Asia Top 100 Composite	8 SIR Top 100 Impact
SMU	1.91	600s	NUS	9	Pohang	11	NTU
NTU SG	1.9	19	HKUST	90	Panjab	38	NUS
NUS	1.77	11	City U HK	70	NTU SG	10	Chinese U
HKUST	1.77	90	Chinese U HK	44	Wuhan Tach	60	HK Poly
U Tun Hussein Onn MY	1.7	400s	U Hong Kong	37	King Mongkut's U of Tech	55	City U HK
City U HK	1.67	70	HK Poly 1.61	52	University of Tokyo	1	U HK
Chinese U HK	1.63	44	KAIST 1.52	47	U Sci Tech CN	26	Pohang
Tokyo Met U	1.62	227	U Sci Tech CN 1.38	32	HKUST	7	KAIST
U Hong Kong	1.61	37	SKKU 1.38	41	KAIST	8	Nankai U
	SUTD SMU NTU SG NUS HKUST U Tun Hussein Onn MY City U HK Chinese U HK Tokyo Met U	University FWCI Data SUTD 1.94 SMU 1.91 NTU SG 1.9 NUS 1.77 HKUST 1.77 U Tun Hussein Onn MY 1.7 City U HK 1.67 Chinese U HK 1.63 Tokyo Met U 1.62	University FWCI Data Output Rank Asia SUTD 1.94 600s SMU 1.91 600s NTU SG 1.9 19 NUS 1.77 11 HKUST 1.77 90 U Tun Hussein Onn MY 1.7 400s City U HK 1.67 70 Chinese U HK 1.63 44 Tokyo Met U 1.62 227	UniversityFWCI DataOutput Rank AsiaFWCI Top 100 AsiaSUTD1.94600sNTU SGSMU1.91600sNUSNTU SG1.919HKUSTNUS1.7711City U HKHKUST1.7790Chinese U HKU Tun Hussein Onn MY1.6770HK Poly 1.61Chinese U HK1.6344KAIST 1.52Tokyo Met U1.62227U Sci Tech CN 1.38U Hong Kong1.6137SKKU	University FWCI Data Output Rank Asia FWCI Top 100 Asia Top 100 Output Rank Asia SUTD 1.94 600s NTU SG 19 SMU 1.91 600s NUS 9 NTU SG 1.9 19 HKUST 90 NUS 1.77 11 City U HK 70 HKUST 1.77 90 Chinese U HK 44 U Tun Hussein Onn MY 1.67 70 HK Poly 1.61 52 Chinese U HK 1.63 44 KAIST 1.38 47 U Hong Kong 1.61 37 32	UniversityFWCI DataOutput Rank AsiaFWCI Top 100 AsiaTop 100 Output Rank AsiaTop 100 ImpactTHE Asia Top 100 ImpactSUTD1.94600sNTU SG19Tokyo Met USMU1.91600sNUS9PohangNTU SG1.919HKUST90PanjabNUS1.7711City U HK70NTU SGHKUST1.7790Chinese U HK44Wuhan TachU Tun Hussein Onn MY1.7400sU Hong Kong37King Mongkut's U of TechCity U HK1.6344KAIST 1.5247U Sci Tech CNTokyo Met U1.62227U Sci Tech CN 1.3832HKUSTU Hong Kong1.6137SKKU41KAIST	UniversityFWCI DataOutput Rank AsiaFWCI Top 100 AsiaTop 100 Output Rank AsiaTHE Asia Top 100 ImpactTHE Asia Top 100 ImpactSUTD1.94600sNTU SG19Tokyo Met U33SMU1.91600sNUS9Pohang11NTU SG1.919HKUST90Panjab38NUS1.7711City U HK70NTU SG10HKUST9.0Chinese U HK44Wuhan Tach60U Tun Hussein Onn MY1.7400sU Hong Kong 1.6137King Mongkut's U of Tech55City U HK1.6344KAIST 1.5247U Sci Tech CN26Tokyo Met U1.62227U Sci Tech CN32HKUST7U Hong Kong1.6137SKKU41KAIST8

Column 1: University names abbreviated. SUTD –Singapore University of Technology and Design; SMU – Singapore Management University; NTU-SG – Nanyang Technological University; NUS: National University of Singapore; HKUST: Hong Kong University of Science and Technology; Universiti Tun Hussein Onn Malaysia; City University, Hong Kong; Chinese University, Hong Kong; Tokyo Metropolitan University; University of Hong Kong

Column 2: Universities is Asia with highest Field Weighted Citation Impact, excluding Middle East and Australian institutions and institutions which were not universities

Column 3: Rank based on output; **Note** that the two highest ranked institutions have the least output and are also newer institutions Column 4: FWCI Rank for Asian top 100 (see exclusions above) based on output with FWCI data for universities not in column 2; University Abbreviations: HK Poly, Hong Kong Polytechnic University; KAIST, Korean Advanced institute of Science & Technology; U Sci Tech CN, University of Science & Technology China; SKKU Sungkyunkwan Korea

Column 5 Rank based on output; **Note** only one institution in the top ten in output and no Japanese institutions in SciVal Impact Column 6: Times Higher Education uses an impact rank (based on 2014-2015) on Thomson-Reuters data

University Abbreviations: Wuhan University of Technology; King Mongkut's University of Technology

Column 7: Times Higher Education composite rank

Column 8: SIR Scimago Institutions Rankings: SIR Research Rankings are only available for ID and Password since June 2015; they kindly gave me access to the dataset for research purposes. SIR uses Scopus data