Appendix: The ACUMEN Portfolio

In preparation to filling out the portfolio have a full publication list and CV beside you, find out how many of your publications are included in Google Scholar, Web of Science and/or Scopus. Note how they are cited. Note your h index, the average number of authors per paper and the amount of publications on which you are the first author.

If parts of the portfolio are not relevant to you, please grey them out rather than leaving them blank or deleting them.

Name: Kayvan Kousha   **Email address: k.kousha@wlv.ac.uk**   **Date of portfolio: 19/01/2014**

Part 1: Narrative and academic age calculation

Part 1a: Narrative

I have conducted high quality research during two previous *Post Doctoral Research Fellow* positions at the University of Wolverhampton (2011-2014). I also worked as assistant professor at the Department of Information Science/Scientometrics, University of Tehran for about four years which is the top ranked university in Iran.

My research includes Web citation analysis and online scholarly impact assessment using Web-based quantitative and qualitative research methods. I have tested different Web citation extraction methods and proposed the **Integrated Online Impact** indicator (IOI, currently part of the field of *Altmetrics*) to capture impact indictors from different types of Web documents for research evaluation. For this purpose, I used ***Google (Web/URL citations)**, **Google Scholar**, **Google Books*** citations as well as automatic analyses of ***online syllabuses*** (education/teaching impact) and ***PowerPoint presentation*** files as source of evidence for research impact. Moreover, for the first time we used **Image Identification Technology** (IIT) to assess the intellectual impact or value of scholarly pictures in astronomy, bioscience and art (how images are used for research). More recently, I have focused on the impact of **Social Networking Sites (SNS)** in research communication and found some evidence based on the role of ***YouTube*** videos and emerging academic social tools such as ***Academia*** **and** ***ResearchGate*** in research communication. I have tested methods and developed and applications with colleagues in the Statistical Cybermetrics Research Group at the University of Wolverhampton to extract and filter citations from digitized books indexed by Google Books and mention of publications in the academic course syllabus (teaching value of publications) which can be used for research assessment of academics and in particular in book-based and teaching-oriented fields (see details here and application here).

Part 1b: Academic age calculation	Information [delete this and/or replace with extra academic age explanations]
Start date of PhD: 01 /10/2001 *Date of PhD defence: 10 /05/2007* *Number of children raised after PhD defence: 0.5* *Special allowances (describe below): 0* **Academic Age** *= Number of full-time years worked (count % of full time for part-time years) since PhD defence – Number of children raised – special allowances =* **6** *years (min. 1 year)* Justification for special allowances (if any): NB. You **can** include in your Portfolio things that you did before your PhD defence.	The academic age calculation helps the evaluator to mentally adjust their expectations based upon someone's academic age. The minimum permitted Academic Age is 1 in all cases, even for those without a PhD. Part-time work means being employed on a fractional post in academia and either working outside academia in parallel or not having another job. Working as a project administrator, web designer, teacher or any other semi-academic task as part of a full-time academic contract counts as *full-time* academic working, for example. Part-time work should not be claimed for periods in which the child-raising allowance below is counted. *Number of children raised*: Count each child for which you were the single main responsible person during the year from their birth, and who were born after your PhD defence. This allowance can be shared between carers (e.g., 0.5 years per child), if agreed by both. *Special allowances*: Additional special allowances can be subtracted for disability, illness-related time off work (> 6 months), carer responsibilities, non-academic jobs (e.g., military service) or other unusual cases. These must be explicitly justified by the portfolio owner. Claims are at the discretion of the portfolio owner and should be within the spirit of supporting equal opportunities. See related UK discussions: http://www.ecu.ac.uk/documents/ref-materials. No allowances are made for teaching or for management at the department level or below.

Part 2: Expertise sub-portfolio

Expertise	Sub-factor	Claim and evidence [delete the help text in most cases and replace it with your text]

Scientific/ scholarly expertise	Theoretical	N/A
	Subject	I have a PhD in information science/Webometrics and nearly all my publications are related to the developing web-based impact metrics for assessing academic activities and in particular publications outside traditional citation metrics (e.g., Web of Science and Scopus citations).
	Methodological	I mainly focused on methodological research to extract web impact metrics. In a review book chapter below we explained the methods used for this reason such as methods for extracting citations/mentions of publications in digitised books indexed by Google Books, presentation files (PowerPoints), course syllabi, blogs, Google Web URL citations and assessing the valuve of scientific images through counting copies on the Internet. Kousha, K. & Thelwall, M. (in press). Web Impact Metrics for Research Assessment. In: B. Cronin & C.R. Sugimoto, (Eds), Next Generation Metrics: Harnessing Multidimensional Indicators of Scholarly Performance, MIT Press.
	Originality / independence	I have been partly independent on most of research in terms of initiating the main research problem. I was also responsible for proposing and testing new metrics also known as Altmetrics for the EU-founded project, ACUMEN (http://research-acumen.eu/) which needed high level of originally and independency and we could produce innovative research in top set of information science journals.
Knowledge transfer	Reviewing	a) the total number of conference papers reviewed: over 20 b) the total number of journal papers reviewed: over 100 (This includes about 50 papers for Persian journals) c) Example for top three journals: • American Sociological Review • Journal of the American Society for Information Science and Technology • Scientometrics

	Entrepreneurship	Lunch meetings for future possible projects.
Educational expertise	Courses taught or developed	(a) Approximate number of hours spent lecturing to a class (not including preparation or 1-1 supervision): **over 500 hours** (b) Description of the types of courses prepared and taught excluding online courses and MOOCs (these are listed as outputs): • Webometrics (University of Teheran, Masters of Scientometrics) • Research policy (University of Teheran, Masters of Scientometrics) • Searching/using databases and web tools for Scientometric and Webometric research (WoS; Scopus; Google Scholar and Google Books and Webometric Analyst). (University of Teheran, Masters of Scientometrics)
	Other educational expertise	2014 Summer Institute on Web Science and the Mind - 7 to 18 July 2014- Montreal, Canada. http://www.summer14.isc.uqam.ca/page/renseignement.php
Technological expertise	Methods	I commonly use software for data mining from the web for impact calculation. Hence, I have used Webometric software in many research and in particular for EU-founded project ACUMEN—Academic Careers Understood through Measurement and Norms (http://research-acumen.eu/). See also below publications: Kousha, K. & Thelwall, M. (in press). An automatic method for extracting citations from Google Books.*Journal of the American Society for Information Science and Technology*. Kousha, K. & Thelwall, M. (in press, 2013). Disseminating Research with Web CV Hyperlinks. *Journal of the American Society for Information Science and Technology.* Kousha, K., Thelwall. M & Abdoli, M. (2012). The role of online videos in research communication: A content analysis of YouTube videos cited in academic publications, *Journal of the American Society of Information Science and Technology*, 63(9), 1710–1727.

	Tools + lab equipment	N/A
	Software	• I partly got involved in development of software (methodological aspects) for automatic citation extraction from Google Books in Webometric Analyst (Main programmer and software developer Pro. Mike Thelwall). See also: Kousha, K. & Thelwall, M. (in press). An automatic method for extracting citations from Google Books.*Journal of the American Society for Information Science and Technology*. • I also partially got involved in development of an application (methodological aspects) to automatically search and filter mentions of research in academic course syllabus (teaching impact of research) in Webometric Analyst (Main programmer and software developer Pro. Mike Thelwall)
	Data management or data curation	N/A
Communication expertise	Languages	Persian (mother language) English (fluent) Arabic (level 1)
	Presentations	N/A
	Writing	• Iran's highly cited paper awards in social sciences and art and humanities from the Ministry of Science and Technology (2008) for article "Kousha, K. & Thelwall. M. (2007). Google Scholar Citations and Google Web/URL Citations: A Multi-Discipline Exploratory Analysis. Journal of the

		American Society of Information Science and Technology, 58(7), 1055-1065.
	Public engagement (media interview and other)	Beyond Impact http://vimeo.com/22981828
Organisational expertise	Management	• Head of University Ranking and Scientometrics, University of Tehran (2010-2011) • Head of University Academic Recourses, University of Tehran (2010) • Head of Research Division, Information Services, Iran's Ministry of Agriculture (2004-2006)
	Advising	N/A
	Project leadership	N/A
	Collaboration	Webometrics/Scientometric researcher for an EU-founded project, ACUMEN—Academic Careers Understood through Measurement and Norms (http://research-acumen.eu/, at University of Wolverhampton. This is a large international FP7 EU funded project; 1.2 million Euros). The project is cooperation among nine European research institutes.
	Administration and committee work	• International committee for upcoming 2014 Science and Technology Indicators & European Network of Indicator Designers conference, Leiden University, The Netherland • ASIS&T (American Society for Information Science &Technology) SIGMET meeting, Montreal, Canada (2013) • International committee for International Conference Society of Scientometrics and Informetrics (2009) • International committee for Conference on Webometrics, Informetrics and Scientometrics (WIS) (2007-2009)

Other		• Journalist for a prominent news agency (2001-2005)

Part 3: Output sub-portfolio

Output	Sub-factor	Claim and evidence
Scholarly outputs	Books	• Kousha, K. (2003). Internet Search Tools: Skills for Searching in WWW. Ketabdar Publication,Tehran, 250p. (Including CD-ROM).
	Book chapters	• Kousha, K. & Thelwall, M. (2014). Web Impact Metrics for Research Assessment. In: B. Cronin & C.R. Sugimoto, (Eds), Next Generation Metrics: Harnessing Multidimensional Indicators of Scholarly Performance, MIT Press. • Thelwall, M., Kousha, K., Weller, K., & Puschmann, C. (2012). Assessing the impact of online academic videos. In: G. Widen Wulff & K. Holmberg, (Eds), Social Information Research, Bradford: Emerald Group Publishing Limited. (pp. 195-213).
	Reviews	Two (in Persian)
	Editorials	N/A
	Journal articles	Number of refereed English journal articles: 25 (In addition to over 20 refereed Persian journal articles) • Kousha, K. & Thelwall. M. (2007). Google Scholar Citations and Google Web/URL Citations: A Multi-Discipline Exploratory Analysis. *Journal of the American Society of Information Science and Technology*, 58(7), 1055-1065. • Kousha, K. & Thelwall. M. (2009). Google Book Search: Citation Analysis for Social Science and the Humanities, *Journal of the American Society of Information Science and Technology*, 60(8), 1537-1549.

		• Kousha, K. & Thelwall. M. (2008). <u>Assessing the Impact of Research on Teaching: An Automatic Analysis of Online Syllabuses in Science and Social Sciences</u>, *Journal of the American Society of Information Science and Technology*, 59(13), 2060–2069.
	Conference papers	Number of conference abstracts, panel discussions or posters published: 18 • Kousha, K. and et al., (Poster, 2013). Impact of brain drain on science production: A case study of Iranian educated migrants in the context of science production in Canada. 14th International Conference Society of Scientometrics and Informetrics Conference 2011, 15-19 July, 2013 Vienna, Austria. • Kousha, K. & Thelwall. M. (Abreact, 2011). Motivations for Citing Youtube Videos in the Academic Publications: A Contextual Analysis. 17th International Conference on Science and Technology Indicators (STI), 5-8 September, 2012 in Montreal, Quebec, Canada. • Kousha, K. & Abdoli, M. (Abreact, 2012). Using social networking sites, blogs and document sharing sites in the agriculture research: A citation analysis, 78th World Library and Information Congress, 11-17 August 2012, Helsinki, Finland.
Communication to the general public	Press stories	Number of magazine or newspaper articles published (written by you, not about you): 0 List of magazine or newspaper articles published (by you, not about you) (list top 3) :
	Encyclopedia articles	Number of encyclopedia articles published (excludes Wikipedia and similar): 12 List of encyclopedia articles published (list top 3) • Kousha, K. (2006). Webometrics. In: Horri, A. (Ed.) Persian Encyclopedia of Library and Information Science, National Library of Iran Press, Vol. 2, p.p.1864-1869. • Kousha, K. (2006). Expert Systems and Artificial Intelligence. In: Horri, A. (Ed.) Persian Encyclopedia of Library and Information Science, National Library of Iran Press, Vol. 2, pp. 1812-1823. • Kousha, K. (2006). Digital Libraries. In: Horri, A. (Ed.) Persian Encyclopedia of Library and Information Science, National Library of Iran Press, Vol. 2, pp. 1481-1491.

	Popular books / articles	Number of popular books or articles published: 0 List of popular books or articles published (list top 3).
Teaching	Books	Number of textbooks published (exclude self-published): 1 List of textbooks published (list top 3):
	Online courses	List of online courses created (includes MOOCs), including creation date, type of materials generated and number of students per year: 0 (list top 3):
	Students completed	Undergraduate students supervised as main supervisor that have now graduated: 0 students Master's students supervised as main supervisor that have now graduated: 10 students PhD students supervised as main supervisor that now have their doctorate: 0 students
Web and social media academic communication	Online presence	List your online presence: accounts in social media used for academic purposes, academic network accounts, digital repository accounts, websites that you created or use to create output. If it applies, mention per site how active you are in posts per year or month (e.g., twitter, blogs, ResearchGate, SlideShare) (list top 3) Web CV: www.koosha.tripod.com/ - Active each month ResearchGate: www.researchgate.net/profile/Kayvan_Kousha/ Active each month Academia.edu: wlv.academia.edu/KayvanKousha Active each month
	Online contributions	N/A
Datasets, software, tools, instruments	Datasets	N/A

	Software, tools, instruments	N/A
Registered intellectual or industrial rights	Patents	N/A
	Discoveries	N/A
Funding & Grants	Funding	N/A
Other		One Translation of a textbook: Liwen Vaughan. Statistical Methods for Information Professionals: a Practical, Painless Approach to Understanding Using and Interpreting Statistics, Information Today, 2000. Translated into Farsi by K. Kousha and M. Ghaneh, Chapar Publication, Tehran, 2005.

Part 4: Influence sub-portfolio

Influence	Sub-factor	Claim and evidence [delete the help text and replace it with your text]
Influence on science	Total and average citations	Total citations received to all publications, as listed in Google Scholar: **661** and average number of citations per paper: **20.6** Total citations received to all publications, as listed in Web of Science or Scopus: **290** and average number of citations per paper: **17.1**

	Article citations	Total citations to one of your top 3 articles, as listed in Google Scholar: **169**, and as listed in Scopus or Web of Science: **86**. Article title: **Google scholar citations and Google Web/URL citations: A multi-discipline exploratory analysis** Publication year: **2007** Authors (in order): **Kousha, K. & Thelwall, M.**
		Total citations to another of your top 3 articles, as listed in Google Scholar: **102**, and as listed in Scopus or Web of Science: **54**. Article title: **Sources of Google Scholar citations outside the Science Citation Index: A comparison between four science disciplines** Publication year: **2008** Authors (in order): **Kousha, K. & Thelwall, M**
		Total citations to another of your top 3 articles, as listed in Google Scholar: **55**, and as listed in Scopus or Web of Science: **31**. Article title: **Motivations for URL citations to open access library and information science articles** Publication year: **2006** Authors (in order): **Kousha, K. & Thelwall, M**
	h-index	h-index, as listed in Google Scholar: **15**
		h-index, as listed in Web of Science or Scopus: **10**
		[The h-index is the largest number *h* such that at least *h* articles have received at least h citations.]
	Book citations	N/A
		[To find Google Books citations to a book, search Google Books for the book title and manually scan the results for genuine citations to the work.]
	Age-corrected h-index	m-quotient for Google Scholar: **2.5**
		m-quotient for Web of Science or Scopus: **1.7**
		[For this portfolio, the m-quotient is the h-index divided by academic age.]

	Multi-authorship compensation	To compensate for multi-authorship, either report (a) or (b) below, which the evaluator will take into account when assessing your citations. a) Average number of authors on your publications listed in Google Scholar (including yourself):___ b) Proportion of publications listed in Google Scholar for which you were the first author: **27/33** If monographs, Web of Science publications or Scopus publications are more important to you than Google Scholar publications, you can report for these instead, but please state it clearly.
	Scholarly prizes	• Award of the Eugene Garfield Doctoral Scholarship from International Society of Scientometrics and Informetrics for PhD Proposal: Motivations for Linking to Open Access Scholarly E-Journals: A Comparison of the Characteristics of Web Citations in Six Science and Social Science Disciplines. • Highly cited paper awards in social sciences and art and humanities from the Ministry of Science and Technology of Iran (2008) for article "Kousha, K. & Thelwall. M. (2007). Google Scholar Citations and Google Web/URL Citations: A Multi-Discipline Exploratory Analysis. Journal of the American Society of Information Science and Technology, 58(7), 1055-1065. • 3. Distinguished Researcher Award in Social Sciences (in, 2009, 2010), University of Tehran.
	Editing and reviewing	Your main reviewer, editor or editorial board member tasks (list top 3): • Member of the editorial board of Scientometrics (2009-) • Elsevier's Scopus Content Selection & Advisory Board (2009-2011) • Reviewer for Journal of the American Society for Information Science and Technology
	Committees	• International committee for upcoming 2014 Science and Technology Indicators & European Network of Indicator Designers conference, Leiden University, The Netherlands • ASIS&T (American Society for Information Science &Technology) SIGMET meeting, Montreal, Canada (2013) • International committee for International Conference Society of Scientometrics and Informetrics (2009)

	Online discussions - social web followers	Number of followers, if substantial, in your web presences (e.g., Academia, Blogs, Twitter) (list top 3)**:** • Social website name **Researchgate.net** Number of followers: 32 • Social website name **Academia.edu** Number of followers: 7 • Social website name **mendeley.com** Number of followers: 5 Also, report up to 3 interesting web mentions of you or your work that are not already elsewhere in the portfolio:
	Downloads	• Article name **The role of online videos in research communication: A content analysis of YouTube videos cited in academic publications** Number of downloads: **122 (ResearchGate)** • Article name **Disseminating Research with Web CV Hyperlinks** Number of downloads: **62 (ResearchGate)** • Article name **Google Scholar Citations and Google Web/URL Citations: A Multi-Discipline Exploratory Analysis** Number of downloads: **39 (ResearchGate)** (top 3 downloaded only) [Downloads can sometimes be found in publisher websites; Put N/A if not available for your articles; Can also report downloads for electronic reports or other resources instead.]
	Mendeley readers	• Article name **Google Scholar citations and Google Web/URL citations: A multi-discipline exploratory analysis** Number of Mendeley readers: **87** • Article name **Sources of Google Scholar citations outside the Science Citation Index: A comparison between four science disciplines** Number of Mendeley readers**: 59** • Article name **The Web impact of open access social science research** Number of Mendeley readers: 41
	Invited talks	Number of invited keynote talks at conferences outside your country: 0 Number of invited keynote talks at conferences inside your country: 0 Number of invited talks at universities outside your country: 0

		Number of invited talks at other universities inside your country: 0
		List of invited talks of all kinds [include name and venue] (list top 3):
Influence on society	General public	Number of magazine or newspaper articles published (written about your research, not by you): 0 Examples of magazine or newspaper articles published (about your research, not by you) (list top 3): Examples of web pages published (about your research, not by you) (list top 3, including title and who wrote them):
	Tweets or blog posts about publications.	Article name **The role of online videos in research communication: A content analysis of YouTube videos cited in academic publications?** Number of Tweets of it: 12 tweeters (one article only) Tweets can only be monitored in real time but can report them if they are reported in the publisher website or by the Altmetric Bookmarklet, available free at: http://www.altmetric.com/bookmarklet.php. Article name **The citation impact of Open Access agricultural research: A comparison between OA and non-OA publications** Number of Blog posts about: **2 Science blogs** (one article only) [Blog posts can be identified via Google by searching for the publication name in Google Blog Search (the main Google, but select Blogs from the More link). There may be many false matches, so the results need to be checked and filtered.]
	Advice	Number of times asked for specialist evidence outside academic, economic and educational contexts, including membership of non-academic, non-educational committees: 0 Examples of giving specialist evidence outside academic, economic and educational contests, including committee memberships (list top 3):
	Professional practice	N/A Examples of professional practice using your subject expertise (e.g., working as a lawyer, nurse) (list top 3):

	Laws, regulations, guidelines	N/A or Not known Laws, regulations, guidelines and so forth that have been initiated, developed or amended, at least partly based on your research. Briefly explain how and refer to projects, papers and other evidence of this influence (list top 3):
Influence on economy	Income	N/A Total 3rd stream income (money generated for commercial activities): _____
	Consultancies	Number of consultancy or advisory positions for companies: 1 Elsevier's Scopus Content Selection & Advisory Board (2009-2011)
	Citations from patents	Number of citations to your work from patents: 0 Names of patents citing your work (list top 3): [Citations from patents, if any, may be listed in the Google Scholar citations to a paper.]
	Citations to patents	Number of citations to your patents (if any) from scholarly documents: 0 [Citations to your patents, if any, can be found by searching Google Scholar for the patent.]
	Spin-offs	Number of spin off companies created: 0
Influence on teaching	Awards	Teaching awards, including both within and outside the host institution (list top 3): 0

	Online views	Number of views of your top 3 SlideShare or YouTube presentations, if substantial.
		Presentation URL: (video talk about Beyond Impact) http://vimeo.com/22981828 views: 51
		Presentation URL: _____ views: _____
		Presentation URL: _____ views: _____
		[Could also report any similar view counts for other sites, such as Vimeo, or online learning environments.]
	Syllabus mentions:	Number of online syllabuses or course notes pages listing the academic's works (list top 3).
		Publication: **Google Scholar citations and Google Web/URL citations: A multi-discipline exploratory analysis** Syllabuses mentioning: **2**
		Publication: The **role of online videos in research communication: A content analysis of YouTube videos cited in academic publications** Syllabuses mentioning: **1**
		Publication: **Sources of Google Scholar citations outside the Science Syllabuses** mentioning: **1**
		[Note: Syllabuses can be identified via Google by searching for: `syllabus "[publication name]"` *or* `"reading list" "[publication name]"` where [publication name] is a key publication. Can also try different language versions of "reading list". This is very time consuming to check so please only include it if educational uptake is important for your work.]
	Textbook sales	Total sales of your textbooks: N/A copies.
		[Can also report Amazon sales ranks in comparison to similar books instead, if sales figures unavailable (list top 3). To do this, search for your book by title or ISBN in Amazon.com and find "Amazon Best Sellers Rank" in the Product Details section and report this number.]
	Invited lectures	Number of invited lectures to undergraduates at other universities: 2

	Dataset or software downloads	Number of downloads of datasets or applications created by the portfolio owner (list top 3). N/A Name of software/dataset: _____ Number of downloads _____ Name of software/dataset: _____ Number of downloads _____ Name of software/dataset: _____ Number of downloads _____ [can also report citations to the software or datasets from Google Scholar, if any]
Other		Other types of relevant influence not covered above (list top 3, explaining each one):