Lecture 6: Wrestling with refs

LAND 6911, Spring 2020

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No, not that one, the other...

Referee

- AL-KHODMANY, K. (1999) Combining artistry and technology in participatory community planning. Berkeley Planning Journal. 13, 28-36.
- ARNSTEIN, S.R. (1969). A Ladder of Citizen Participation. Journal of the American Institute of Planners. 35(4), 216-224.
- BERRY, R. & HIGGS, G. (2012) Gauging Levels of Public Acceptance of the use of Visualisation Tools in Promoting Public Participation; a Case Study of Wind Farm Planning in South Wales, UK. Journal of Environmental Planning and Management 55.2 (2012), 229-51.
- BEUNEN, R. & OPDAM, P. (2011) When landscape planning becomes landscape governance, what happens to the science? Landscape and Urban Planning, 100(4), 324-326.
- BISHOP, I. (2011) Landscape planning is not a game: Should it be?, Landscape and Urban Planning. 100(4), 390-392.
- BLYTHE, S., GRABILL, J. T., & RILEY, K. (2008). Action research and wicked environmental problems. Journal of Business and Technical Communication. 22(3), 272-298.
- BROCK, W. A., & DECHERT, W. D. (2008). The polluted ecosystem game. Indian Growth and Development Review. 1(1), 7-31.
- BROWN, R.D. & CORRY, R.C. (2011) Evidence-based landscape architecture: The maturing of a profession. Landscape and Urban Planning, 100(4), 327–329
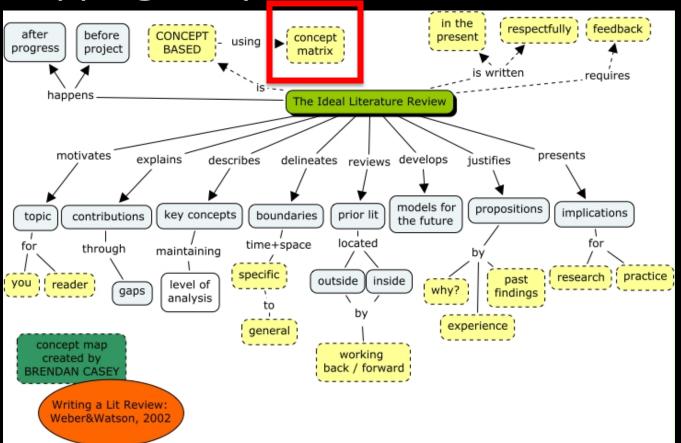
Reference

But you're largely on your own...☺

The matrix method of literature review

- Klopper, Rembrandt, Sam Lubbe, and Hemduth Rugbeer. 2007. "The matrix method of literature review." *Alternation* 14, 1:262-276.

  - In this contribution we document the concept matrix method of literature review that could be used as conceptual scaffolding at the beginning of a problem-based research project when the researcher's knowledge about the subject is finite and her/ his ignorance about it is more or less infinite. The concept matrix provides a means to systematise the process of literature review, thereby ensuring that a literature review does not become a subjective process stitching a patchwork quilt of references, or the unilateral cherry picking of references that supports one's point of view, while ignoring references that present contrary points of view.

Mapping "why do a literature review?"

Webster, Jane, and Richard T. Watson. (2002) "Analyzing the Past to Prepare for the Future: Writing a Literature Review." *MIS Quarterly* 26, (2)

The aims of a literature review

- To give readers a clear idea of the nature/context of one's research.
- To convince the reader of one's knowledge of the field.
- To build a case for doing the study.
- To establish which of the problems relevant to your research have already been solved by other researchers and what they tell you about your topic.
- To establish where there are gaps in knowledge that you hope to address with your investigation.

  – Based on Klopper, Lubbe and Rugbeer, 2007

Emerging competency

- Unconscious incompetence
- Conscious incompetence
- Conscious competence
- Unconscious competence

  – Based on Klopper, Lubbe and Rugbeer, 2007

First steps

Unconscious incompetence

- Don't read, skim
- Read the abstract and conclusion/summary
  - Read more if it gets interesting
  - Make a record of it and move on if it is not interesting

Conscious incompetence

- Start to realize how much you don't know, but need to
  - Ask other people, advisors, what to include, what to leave out
  - Trust them

Next steps

Conscious competence

- Start to figure out what are the important sources, who are the important authors, what the important topics are
  - Ask other people, advisors, what to include, what to leave out
  - Trust them

Unconscious competence

- Your research question becomes a filter that helps you decide what to include, what to exclude
- Refine your original thinking
  - Re-write your objectives and questions
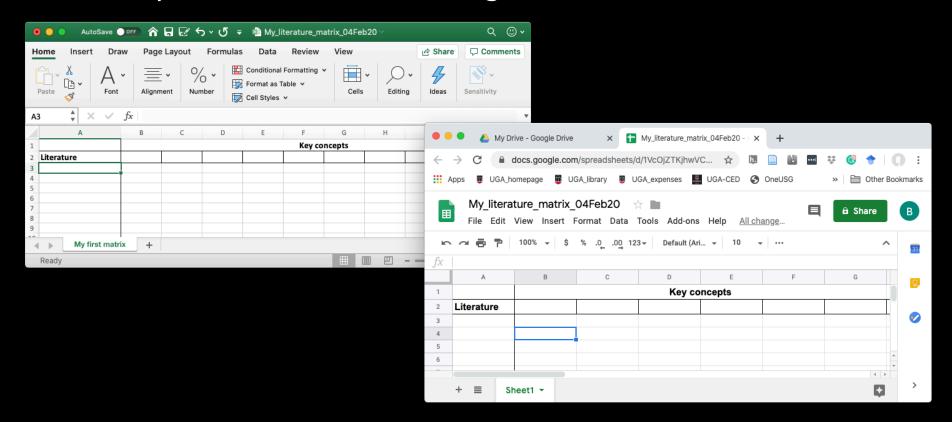 - Don't spend time on things that don't help move your thesis forward

Concept check box

	Opportunities						Challenges						
	Novel concepts of customer interaction	Reach and acquire new customers	Mobile recommendation agents	New ways to track and analyse data	Effective marketing	Increased shopping experience	Blurring self determined processes between channels	Organizational	Strengthened position of customer	Impact of social media	Marketing and services must fit customers' expectations	Permanent in-store internet access	Business model and privacy
Li et al. (2014)			x										
Brynjolfsson et al. (2013)	x	x		x	x		x		x		x		
Blazquez (2014)	x	x				x	x						
Kowatsch and Maass (2010)			x	x									
Lee and Benbasat (2010)			x										
Piotrowicz and Cuthbertson (2014)							x	x		x			
Fulgoni (2014)							x	x			x		
Spaid and Flint (2014)			x	x	x		x		x	x			
Kiba-Janiak (2014)				x					x				
Karaatli et al. (2010)	x			x		x					x		x
Walter et al. (2012)			x										
Kowatsch et al. (2009)			x										x
von Reischach et al. (2009)			x										
Kowatsch et al. (2011)			x										
Zhang et al. (2010)					x			x			x		x
Peltola et al. (2015)							x						
van der Heijden (2006)			x										
Mennecke and Strader (2001)					x								
Groß (2014)					x						x	x	
Verhoef et al. (2015)							x						
Cao (2014)							x						
Shankar et al. (2010)	x							x					x
Pousttchi and Hufenbach (2014)					x						x		
Total	4	2	9	5	6	2	7	5	3	2	6		4

Härtfelder, Jonas and Axel Winkelmann (2016) Opportunities and Challenges for Local Retailing in an Environment Dominated by Mobile Internet Devices. Multikonferenz Wirtschaftsinformatik 2016. Technische Universität Ilmenau

Create an empty matrix

- Choose your favorite table-making medium

Start creating your matrix

- Based on your initial thinking about thesis, and on reading some abstracts
  - Name some key concepts that will be important to pursuing your thesis
    - Planting strategies for exposed arid sites
    - Sense of place for transient populations
    - Elements of perceived playability for golfers
    - Making nature more tidy
    - Limits to absorptive capacity of soils
  - See if they break into opportunities and challenges, but it doesn't matter if they don't
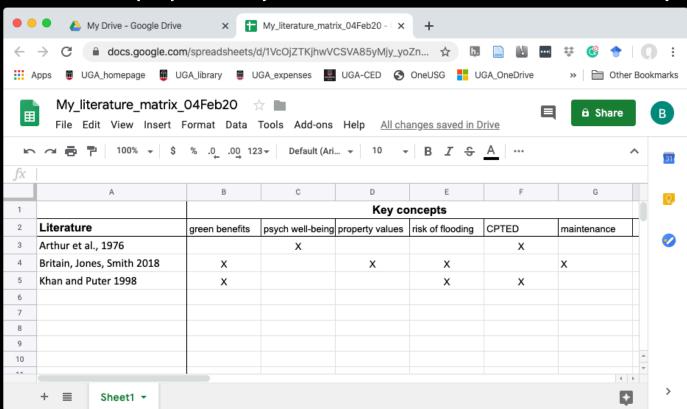- Use them to label the columns in your matrix

Concept check box

	Opportunities						Challenges						
	Novel concepts of customer interaction	Reach and acquire new customers	Mobile recommendation agents	New ways to track and analyse data	Effective marketing	Increased shopping experience	Blurring self determined processes between channels	Organizational	Strengthened position of customer	Impact of social media	Marketing and services must fit customers' expectations	Permanent in-store internet access	Business model and privacy
Li et al. (2014)			x										
Brynjolfsson et al. (2013)	x	x		x	x		x		x		x		
Blazquez (2014)	x	x				x	x						
Kowatsch and Maass (2010)			x	x									
Lee and Benbasat (2010)			x										
Piotrowicz and Cuthbertson (2014)							x	x		x			
Fulgoni (2014)							x	x			x		
Spaid and Flint (2014)			x	x	x		x	x		x			
Kiba-Janiak (2014)				x				x					
Karaatli et al. (2010)	x			x		x					x		x
Walter et al. (2012)			x										
Kowatsch et al. (2009)			x										x
von Reischach et al. (2009)			x										
Kowatsch et al. (2011)			x										
Zhang et al. (2010)					x			x			x		x
Peltola et al. (2015)							x						
van der Heijden (2006)			x										
Mennecke and Strader (2001)					x								
Groß (2014)					x						x	x	
Verhoef et al. (2015)							x						
Cao (2014)							x						
Shankar et al. (2010)	x							x					x
Pousttchi and Hufenbach (2014)					x						x		
Total	4	2	9	5	6	2	7	5	3	2	6		4

Härtfelder, Jonas and Axel Winkelmann (2016) Opportunities and Challenges for Local Retailing in an Environment Dominated by Mobile Internet Devices. Multikonferenz Wirtschaftsinformatik 2016. Technische Universität Ilmenau
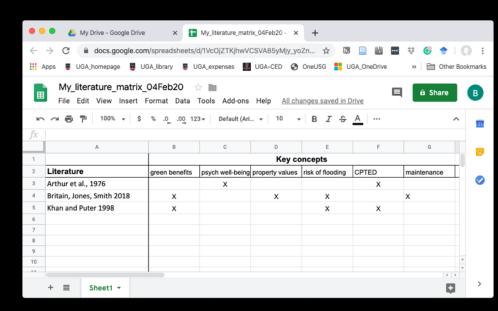
Experiment

- Start to populate your matrix with the literature you've found
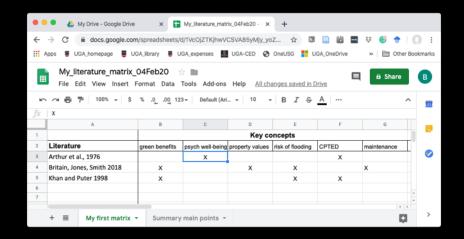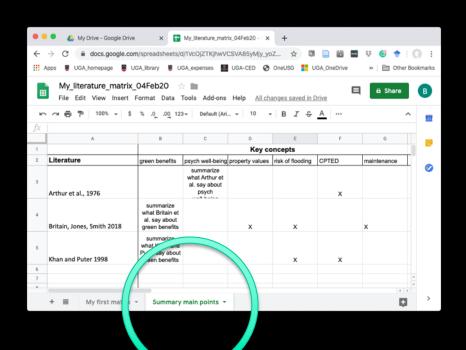
Experiment

- Look for what's missing
- Look for what is there in excess
- Consider the concepts
  - Do some need bundling together?
  - Do some need sub-dividing?
- Reconsider empty columns
  - Is that concept really irrelevant, or just missing in what you have found?
- Reconsider empty cells
  - Go search some more

Getting very tricky

Summary descriptions

Table 1 Review of Literature

Author/ Date	Theoretical/ Conceptual Framework	Research Question(s)/ Hypotheses	Methodology	Analysis & Results	Conclusions	Implications for Future research	Implications For practice
Maisto Pollock Lynch Martin Ammerman (2001)	Coping factors in relationship to decreasing substance abuse with adolescents one year post drug treatment	What factors contribute to the variability in adolescent functioning regarding substance abuse one-year post treatment?	Quasi-experimental design involving 166 subjects in Pittsburgh adolescent research center. Initial baseline assessment and 1 year later. Pre and posttest measures included ACQ, ISE, CTI, LEQA, SCQ, and DUSI.	First set of analysis involved one-way ANOVA. Four independent t-tests conducted to determine specific group differences. The final set utilized ANOVA with repeated measures 1 year later. 36% of subjects discontinued alcohol use.	All clinical groups demonstrated improvement at one year.	Stress and coping model useful for examining clinical course of alcohol use disorders in adolescents.	Differences between participants at baseline regarding coping factors indicate significance of acquisition of such skills as part of treatment intervention.
De Anda Bradley (1997)	Stress, stressors, and coping strategies among middle school adolescents	Adolescents' perceptions of their stress use of coping strategies and the adolescents' evaluation of degree of success regarding	54 middle school students 12-14 years old completed ASCM and STAI.	A four point Likert scale was used for analysis. Internal consistency was .95. Results indicated female students report increased degree of stress.	School related stressors rated highest thus schools are a good place for intervention/prevention. Gender differences need to be considered.	Gender and developmental differences in coping need to be examined.	Adolescents might be amenable to treatment which teaches positive coping strategies, schools can help with this process

Seeking out common themes

ECOTOURISM PRINCIPLES	International ... Tourism Society (TIES), 1991	... Conservation Union), 1996	Global ... (GSTC), 2010	Ralf Buckley	World ... (WWF), 2001	Martha Honey	... Organization	...	Graburn	Hetzer	Hector Ceballos - Lascurain	Boo	Butler		RANKING
Conservation															8
Natural areas															6
Appreciate host culture															6
Education and interpretation															5.5
Low visitor impact															5
Community empowerment															4.5
Sustainable development strategies															4
Appreciate nature															4
Ecotourism Programming															3.5
Evaluation															2.5
Meeting visitors' need															2
Interlink nature and culture															2
Health & wellness															1

What are the key principles of ecotourism?

Literature sources

Principles/themes	The International Ecotourism Society (TIES), 1991	IUCN (nOw World Conservation Union), 1996	Global Sustainable Tourism Council (GSTC), 2010	Ralf Buckley	World Wide Fund for Nature (WWF), 2001	Martha Honey	World Organ
Conservation	🟥	🟥				🟥	🟥
Natural areas	🟥	🟥	🟥			🟥	
Appreciate host culture		🟥				🟥	🟥
Education and interpretation	🟧			🟥			
Low visitor impact		🟥				🟥	
Community empowerment						🟥	

BOOKS/ORGANIZATIONS

Count of instances = score >

Tourism ization	Fennel	Graburn	Hetzer	Hector Ceballos - Lascurain	Boo	Butler		RANKING
								8
								6
								6
								5.5
								5
								4.5

Score your themes

- Take the top three/five/seven/nine…
- Take the ones above a natural break

- Create a composite statement for each theme, based on the ways various authors described them

- These might be evaluation criteria
- They might be design guidelines
- They might be alternative strategies

Ecotourism vs. ecological urbanism principles

ECOTOURISM PRINCIPLES	ECOLOGICAL URBANISM PRINCIPLES												RANKING
	Resilience	Adaptive capacity	Traditional ecosystem services	Ecosystem stewardship	Cities as ecosystem	Celebrate natural processes in cities	Designed experiments	Mutiscalar and multipurpose	Interdisciplinary	Community engagement	Human ecosystem services	Social challenges and interactions	
Conservation			■	■		■							11
Appreciate host culture										■	■	■	9
Natural areas					■	■							8
Education and interpretation							■				■		7.5
Community empowerment										■	■	■	7.5
Low visitor impact	■	■											7
Sustainable development strategies	■	■											6
Interlink nature and culture					■								5
Ecotourism Programming													5.5
Appreciate nature													5
Evaluation													2.5
Meeting visitors' need													2
Health & wellness											■		2

Where do ecotourism principles meet ecological urbanism?

Match key concepts from different domains

		ECOLOGICAL UR					
		Resilience	**Adaptive capacity**	**Traditional ecosystem services**	**Ecosystem stewardship**	**Cities as ecosystem**	**Celebrate natura processes in cities**
PLES	**Conservation**			███████	███████		███████
	Appreciate host culture						
	Natural areas					███████	███████
	Education and interpretation						
	Community empowerment						
	Low visitor impact	███████	███████				

Matches in either direction indicate agreement

	ECOLOGICAL URBANISM PRINCIPLES												
ECOTOURISM PRINCIPLES	Resilience	Adaptive capacity	Traditional ecosystem services	Ecosystem stewardship	Cities as ecosystem	Celebrate natural processes in cities	Designed experiments	Mutiscalar and multipurpose	Interdisciplinary	Community engagement	Human ecosystem services	Social challenges and interactions	RANKING
Conservation			X	X		X							11
Appreciate host culture										X	X	X	9
Natural areas					X	X							8
Education and interpretation							X				X		7.5
Community empowerment										X	X	X	7.5
Low visitor impact	X	X											7
Sustainable development strategies	X	X											6
Interlink nature and culture					X						X	X	5
Ecotourism Programming								X	X				5.5
Appreciate nature						X							5
Evaluation													2.5
Meeting visitors' need													2
Health & wellness											X		2

Assignment 4c – start your matrix

- For Thursday, February 13, create a matrix
  - I suggest you use a spreadsheet
  - Excel or Google Sheet
- Add it to your storyboard.

- Re-post your storyboard to eLC Storyboard dropbox before 10:30am on Thursday, February 13
- Explain your work in class

Synthesis Matrix

- Webster, Jane, and Richard T. Watson. "Analyzing the Past to Prepare for the Future: Writing a Literature Review." *MIS Quarterly* 26, no. 2 (2002): Xiii-xiii.

- Torraco, Richard J. "Writing integrative literature reviews: Guidelines and examples." *Human resource development review* 4, no. 3 (2005): 356-367.

- Torraco, Richard J. "Writing Integrative Literature Reviews: Using the Past and Present to Explore the Future." *Human Resource Development Review* 15, no. 4 (December 2016): 404–28. doi:10.1177/1534484316671606.