1 Survey Tabular Results

	1	2	3	4	5	6	7	8
Letter	Other	Info	Data	Other	Info	Info	Info	Info
Instructions	Info	Know	Know	Info	Info	Know	Info	Info
Short Story	Info	Other	Info	Data	Know	Info	Info	Info
Locations for Parts	Info	Info	Info	Info	Data	Info	Info	Know
Time Chart	Data	Data	Info	Data	Data	Data	Info	Info
Record of Daily Temps	Data	Data	Data	Data	Data	Data	Data	Info
mp3 Music Files	Info	Data	Data	Data	Data	Data	Data	Info
Live Music	Other	Other	Data	Other	Data	Other	Other	Data
Ignore Traffic Sounds	Data	Other	Data	Other	Other	Info	Other	Know
Demand	Info	Other	Info	Data	Data	Info	Info	Info
List of Numbers & Times	Data	Data	Data	Info	Data	Data	Data	Data
Code	Data	Info	Data	Info	Data	Data	Data	Data
Secret Knowey	Know	Know	Data	Know	Data	Know	Info	Know
Planning Program	Info	Data	Info	Info	Know	Info	Info	Info
Statistical Profile	Know	Know	Info	Know	Info	Info	Know	Know
Lecture	Info	Know	Know	Know	Info	Know	Know	Info
Quiz	Info	Data	Data	Info	Info	Info	Info	Info
Reasons	Know	Info	Know	Know	Know	Info	Know	Know
Description of Impression	Other	Data	Info	Info	Info	Info	Info	Info
Empty Word Document	Info	Other	Data	Data	Other	Data	Other	Info
Poetry	Info	Other	Info	Other	Info	Info	Info	Know
Short Quotes	Info	Other	Data	Info	Data	Info	Know	Info
Weather Report	Info	Info	Data	Info	Info	Data	Info	Know
Telling	Info	Other	Info	Info	Info	Info	Info	Info
Selection	Know	Other	Know	Know	Know	Other	Other	Know
Design	Know	Other	Info	Know	Know	Other	Other	Know

	9	10	11	12	13	14	15	16
Letter	Other	Info	Data	Info	Info	Info	Info	Data
Instructions	Info	Know	Data	Info	Info	Know	Know	Data
Short Story	Data	Know	Data	Info	Info	Know	Other	Data
Locations for Parts	Know	Info	Info	Know	Know	Info	Know	Data
Time Chart	Info	Know	Data	Data	Data	Know	Data	Data
Record of Daily Temps	Data	Know	Data	Data	Data	Other	Data	Data
mp3 Music Files	Data	Other	Data	Data	Info	Info	Other	Data
Live Music	Data	Know	Info	Know	Other	Know	Other	Info
Ignore Traffic Sounds	Data	Other	Know	Data	Info	Data	Other	Info
Demand	Info	Info	Data	Info	Info	Data	Info	Info
List of Numbers & Times	Data	Know	Data	Data	Data	Info	Other	Info
Code	Info	Data	Data	Info	Data	Data	Other	Info
Secret Knowey	Info	Info	Data	Info	Info	Other	Know	Info
Planning Program	Info	Info	Info	Other	Info	Info	Other	Info
Statistical Profile		Know	Know	Know	Info	Know	Info	Info
Lecture		Know	Know	Info	Know	Know	Know	Info
Quiz		Know	Know	Data	Data	Data	Data	Info
Reasons		Info	Know	Info	Info	Info	Info	Info
Description of Impression		Info	Info	Know	Info	Info	Data	Info
Empty Word Document		Info	Data	Other	Info	Data	Other	Info
Poetry		Info	Info	Info	Other	Info	Other	Info
Short Quotes		Info	Info	Data	Info	Info	Data	Info
Weather Report		Know	Know	Info	Info	Data	Info	Info
Telling		Info	Know	Info	Info	Info	Info	Info
Selection		Data	Know	Know	Info	Info	Know	Info
Design		Data	Know	Know	Know		Know	Info

1 References

2 Works Consulted

Ackoff, R. L. (1989). From data to wisdom. *Journal of Applied Systems Analysis, 16*(1), 3 – 9.

Ackoff, R. L., Addison, H. J. and Bibb, S. (2007). *Management F-Laws*. Triarchy Press.

Alexander, J. and Weinberg, J. M. (2007). Analytic epistemology and experimental philosophy. *Philosophy Compass, 2*(1), 56–80.

Anonymous (2011). datum, n.. In *Oxford English Dictonary Online* .

Atkin, A. (2011). Peirce's theory of signs. In Zalta, E. N., editor, *The Stanford Encyclopedia of Philosophy*. Winter 2011 edition.

Ballsun-Stanton, B. (2010). Exploring the philosophy of data. Technical Report BlueScope Steel.

Ballsun-Stanton, B. and Bunker, D. (2009). Philosophy of data (pod) and its importance to the discipline of information systems. In *Americas Conference on Information Systems (AMCIS) 2009* .

Barnes, J. (1983). Graph theory in network analysis. *Social Networks, 5*(2), 235–244.

Baudrillard, J. (1994). *Simulacra and Simulation*, volume 50 of *The Body, in theory*. University of Michigan Press.

Berger, P. L. and Luckmann, T. (1967). *The social construction of reality: A treatise in the sociology of knowledge*. Harmondsworth, Middlese: Penguin Books.

Bernstein, J. H., Jacob, E. K. and Kwasnik, B. (2009). The data-information-knowledge-wisdom hierarchy and its antithesis. *Journal of Information Science*, pp. 68–75.

Borgman, C. L. (1986). The user's mental model of an information retrieval system: an experiment on a prototype online catalog. *International Journal of Man-Machine Studies, 24*(1), 47–64.

Boulos, M. N. K., Hetherington, L. and Wheeler, S. (2007). Second life: an overview of the potential of 3-d virtual worlds in medical and health education.. *Health information and libraries journal, 24*(4), 233–45.

Boyd, D. (2010). Social steganography: Learning to hide in plain sight. In *apophenia* .

Brown, J. S. and Adler, R. P. (2008). Minds on fire: Open education, the long tail, and learning 2.0. *Educause review, 43*(1), 16–32.

Bruffee, K. A. (1986). Social construction, language, and the authority of knowledge: A bibliographical essay. *College English, 48*(8), 773.

Burge, J. E. (1998). Knowledge elicitation tool classification. .

Carmel, E., Whitaker, R. D. and George, J. F. (1993). Pd and joint application design: a transatlantic comparison. *Communications of the ACM, 36*(6), 40–48.

Chandler, D. (2002). *Semiotics for Beginners: Strengths*. 1st edition London: Routledge.

Chesterton, G. K. (1996). *Heretics*. Online edition Project Gutenberg.

Choi, N., Song, I.-Y. and Han, H. (2006). A survey on ontology mapping. *ACM Sigmod Record, 35*(3).

Chrisman, N. C. (1999). Trading zones or boundary objects: Understanding incomplete translations of technical expertise. In *Social Studies of Science Annual Meeeting*, pages 28–31.

Codd, E. F. (1990). *The relational model for database management: version 2*. Boston: Addison-Wesley Longman Publishing Co., Inc..

Cohen, M. and Bacdayan, P. (1994). Organizational routines are stored as procedural memory: Evidence from a laboratory study. *Organization Science*, pp. 554–568.

Collins, H., Evans, R. and Gorman, M. (2007). Trading zones and interactional expertise. *Studies In History and Philosophy of Science Part A, 38*(4), 657–666.

Cossette, P. and Audet, M. (1992). Mapping of an idiosyncratic schema. *Journal of Management Studies, 29*(3), 325–347.

Cunningham, D. J. (1992). Beyond educational psychology: Steps toward an educational semiotic. *Educational Psychology Review, 4*(2), 165–194.

Czarniawska, B. and Mazza, C. (2003). Consulting as a liminal space. *Human Relations, 56*(3), 267–290.

Daniels, K., de Chernatony, L. and Johnson, G. (1995). Validating a method for mapping managers' mental models of competitive industry structures. *Human Relations, 48*(9), 975–991.

Dreyfus, H. L. (2004). *A companion to Heidegger*. Oxford: Blackwell.

Dubois, A. and Gadde, L.-E. (2002). Systematic combining: an abductive approach to case research. *Journal of Business Research, 55*(7), 553–560.

Eden, C. (1992). On the nature of cognitive maps. *Journal of management studies, 29*(3), 261–265.

Ehn, P. (1993). Scandinavian design: On participation and skill. In Schuler, D. and Namioka, A., editors, *Participatory design: principles and practices*, pages 319. Hillsdale, NJ.

Festinger, L. (1957). *A theory of cognitive dissonance*. Stanford: Stanford University Press.

Floridi, L. (1995). From data to semantic information. *Entropy, 5*(2), 125–145.

Floridi, L. (2002). On the intrinsic value of information objects and the infosphere. *Ethics and Information Technology, 4*(4), 287–304.

Floridi, L. (2004). Outline of a theory of strongly semantic information. *Minds and Machines, 14*(2), 197–221.

Floridi, L. (2005). Is semantic information meaningful data?. *Philosophy and Phenomenological Research, 70*(2), 351–370.

Frodeman, R. and Rowland, J. (2009). De-disciplining the humanities. *ALIF, 29*(Spring), 62–74.

Galison, P. (1997). *Image and logic: A material culture of microphysics*. Chicago: University of Chicago Press.

Garfield, E. (1980). Is information retrieval in the arts and humanities inherently different from that in science? the effect that isi's citation index for the arts and humanities is expected to have on future scholarship. *The Library Quarterly, 50*(1), 40 – 57.

Gorman, M. E. (2002). Levels of expertise and trading zones: A framework for multidisciplinary collaboration. *Social Studies of Science, 32*(5-6), 933–938.

Gray, R. L. (2003). Brief historical review of the development of the distinction between data and information. In Ross, J. and Galletta, D., editors, *Proceedings of the 9th Americas Conference on Information Systems*, pages 2843–2849. Tampa, Florida.

Greene, J. C. (1987). Stakeholder participation in evaluation design: Is it worth the effort?. *Evaluation and Program Planning, 10*(4), 379–394.

Harper, D. (2011). Data. In *Online Etymology Dictionary* .

Howard, C. (2011). Philosophy and the development of a biologically derived artificial intelligence:an examination of cognitive and neurological methodology. Master's thesis, University of New South Wales.

Hu, W. and Feng, J. (2005). Data and information quality: an information-theoretic perspective. *Computing and Information Systems, 9*(3), 32–47.

Hurley, S. E., Saunders, T. M., Nivas, R., Hertz, A. and Reynolds, P. (2003). Post office box addresses: a challenge for geographic information system-based studies.. *Epidemiology (Cambridge, Mass.), 14*(4), 386–91.

James, W. (2007). *Pragmatism: A New Name for Some Old Ways of Thinking*. Minneapolis: Filiquarian Publishing, LLC..

Jelinek, M. and Litterer, J. (1994). Toward a cognitive theory of organizations. *Advances in managerial cognition and organizational information processing, 5*, 3–41.

Jones, C. (2007). Rediscovering communication. In *UX matters* .

Jones, R. (2006). *Internet Slang Dictionary*. Lulu.com.

Kelly, G. (1955). *The psychology of personal constructs*. New York: Norton.

Kipping, M. and Armbruster, T. (2002). The burden of otheress: Limits of consultancy intervention in historical case studies. In *Management consulting: emergence and dynamics of a knowledge industry*, pages 267. Oxford.

Knobe, J. (2007). Experimental philosophy. *Philosophy Compass, 2*(1), 81–92.

Lakoff, G. and Johnson, M. (1981). *Metaphors we live by*. Chicago: The University of Chicago Press.

Larsen, P. G., Plat, N. and Toetenel, H. (1994). A formal semantics of data flow diagrams. *Formal aspects of Computing, 3*(1).

Latour, B. (2005). *Reassembling the social: an introduction to actor-network-theory*. Oxford: Oxford University Press.

Leary, M. R. and Tangney, J. P. (2005). *Handbook of self and identity*. New York: Guilford Press.

Levin-Rozalis, M. (2008). Searching for the unknowable: A process of detection—abductive research generated by projective techniques. *International Journal of Qualitative ..., 3*(2).

Maier, N. R. F. (1970). *Problem Solving and Creativity in Individuals and Groups*. Brooks/Cole Pub. Co..

Markus, H. (1977). Self-schemata and processing information about the self.. *Journal of Personality and Social Psychology; Journal of Personality and Social Psychology, 35*(2), 63.

Marshall, P., Price, S. and Rogers, Y. (2003). Proceeding of the 2003 conference on interaction design and children - idc '03. In , pages 101.

McNab, F. and Klingberg, T. (2008). Prefrontal cortex and basal ganglia control access to working memory.. *Nature neuroscience, 11*(1), 103–7.

Medin, D. L. and Wattenmaker, W. D. (1989). Concepts and conceptual development: ecological and intellectual factors in .... In *Concepts and conceptual development: ecological and intellectual factors in ...*, pages 317.

Nejdl, W., Tochtermann, K., Klamma, R., Spaniol, M. and Cao, Y. et al. (2006). *Innovative Approaches for Learning and Knowledge Sharing*, volume 4227 of *Lecture Notes in Computer Science*. Berlin, Heidelberg: Springer Berlin Heidelberg.

Norman, D. A. (1999). Affordance, conventions, and design. *interactions, 6*(3), 38–43.

Norman, D. A. (2002). *The design of everyday things*. New York: Basic Books New York.

Norman, D. A. (2005). Human-centered design considered harmful. *interactions, 12*(4), 14.

Noy, N. F. (2004). Semantic integration. *ACM SIGMOD Record, 33*(4), 65.

Orlikowski, W. and Gash, D. (1994). Technological frames: making sense of information technology in organizations. *ACM Transactions on Information Systems (TOIS), 12*(2), 174–207.

Orlikowski, W. J. and Robey, D. (1991). Information technology and the structuring of organizations. *Information Systems Research, 2*(2), 143–169.

Owen, W., Landry, J. P. and Mckinney, D. (2000). Introducing information technology students to a new major : The role of an introductory course sequence. In *The Proceedings of the Information Systems Education Conference 2000*, pages §117. Philadelphia.

Pesce, M. (2011). The new toolkit. In *Blackwell Companion to New Media Dynamics* .

Phillips, J. (2011). Experimental philosophy. In .

Pondy, L. R. (1967). Organizational conflict: Concepts and models. *Administrative Science Quarterly, 12*(2), 296–320.

Popper, K. R. (1959). *The logic of scientific discovery*. Hutchinson & Co.

Pratchett, T., Stewart, I. and Cohen, J. S. (2002). *The science of Discworld*. Ebury.

Rasmussen, J. (1987). Cognitive control and human error mechanisms. *New technology and human error*, pp. 53–61.

Reffay, C. and Chanier, T. (2002). Social network analysis used for modelling collaboration in distance learning groups. In *Intelligent Tutoring Systems*, pages 31–40.

Roy, D. (2008). A mechanistic model of three facets of meaning. In Vega, Glenberg and Graesser, editors, *Symbols, Embodiment, and Meaning* .

Schuler, D. and Namioka, A. (1993). *Participatory design: principles and practices*. Routledge.

Scott, J. (1988). Social network analysis. *Sociology, 22*(1), 109–127.

Shannon, C. E. and Weaver, W. (1949). *The mathematical theory of communication*. The University of Illinois Press.

Shortis, T. (2001). *The language of ICT: information and communication technology*. Routledge.

Shultz, T. R. and Lepper, M. R. (1996). Cognitive dissonance reduction as constraint satisfaction.. *Psychological Review, 103*(2), 219–240.

Smith, Y. (2011). Mers exposed ii: General counsel tells whoppers in testimony before virginia house. In *Naked Capitalism* .

Snow, C. P. (1993). *The two cultures*. Cambridge University Press.

Sosa, E. (2006). Experimental philosophy and philosophical intuition. *Philosophical Studies, 132*(1), 99–107.

Sperber, D. and Wilson, D. (1995). *Relevance: communication and cognition*. Wiley-Blackwell.

Spolsky, J. (2008). my style of servant leadership. In *Inc.* .

Stake, R. E. (1995). *The art of case study research*. SAGE.

Star, S. L. and Griesemer, J. R. (1989). Institutional ecology, `translations' and boundary objects: Amateurs and professionals in berkeley's museum of vertebrate zoology, 1907-39. *Social Studies of Science, 19*(3), 387–420.

Stone, C. A. (1998). The metaphor of scaffolding: Its utility for the field of learning disabilities. *Journal of Learning Disabilities, 31*(4), 344–364.

Storey, M. A., Fracchia, F. D. and Müller, H. A. (1999). Cognitive design elements to support the construction of a mental model during software exploration. *Journal of Systems and Software, 44*(3), 171–185.

Sun, S. X., Zhao, J. L., Nunamaker, J. F. and Sheng, O. R. L. (2006). Formulating the data-flow perspective for business process management. *Information Systems Research, 17*(4), 374–391.

Tan, F. and Hunter, M. (2002). The repertory grid technique: A method for the study of cognition in information systems. *MIS Quarterly*, pp. 39–57.

Thagard, P. (2004). Computing in the philosophy of science. In Floridi, L., editor, *The Blackwell guide to the philosophy of computing ...*, pages 371.

Tuomi, I. (1999). Proceedings of the 32nd annual hawaii international conference on systems sciences. 1999. hicss-32. abstracts and cd-rom of full papers. In , pages 12.

Voloshinov, V. N. (1929). *Marxism and the Philosophy of Language*. Harvard Univerity Press.

Voloshinov, V. N. (1994). Language and ideology. In *Language and literacy in social practice: a reader*, pages 271.

Voss, J. (2011). Revealing digital documents. concealed structures in data.

Wand, Y. and Weber, R. (2002). Research commentary: Information systems and conceptual modeling?a research agenda. *Information Systems Research, 13*(4), 363–376.

Weick, K. (2000). *Making sense of the organization*, volume 1. JOHN WILEY PROFESSIO.

Wetherbe, J. C. (1991). Executive information requirements: Getting it right. *MIS Quarterly, 15*(1), 51.

Wiener, N. (1950). Cybernetics. *Bulletin of the American Academy of Arts and Sciences, 3*(7), 2.

Wilson, G. and Herndl, C. G. (2007). Boundary objects as rhetorical exigence: Knowledge mapping and interdisciplinary cooperation at the los alamos national laboratory. *Journal of Business and Technical Communication, 21*(2), 129–154.

Wilson, J. and Rutherford, A. (1989). Mental models: Theory and application in human factors. *Human Factors: The Journal of the Human Factors and Ergonomics Society, 31*(6), 617–634.

Yudkowsky, E. (2011). A day of very low probability. In *Harry Potter and the Methods of Rationality* .

Zins, C. (2007b). Classification schemes of information science: Twenty-eight scholars map the field. *Journal of the American Society for Information Science and Technology, 58*(5), 645–672.

Zins, C. (2007d). Conceptions of information science. *Journal of the American Society for Information Science and Technology, 58*(3), 335–350.

Zins, C. (2007c). Conceptual approaches for defining data, information, and knowledge. *Journal of the American Society for Information Science and Technology, 58*(4), 479–493.

Zins, C. (2007a). Knowledge map of information science. *Journal of the American Society for Information Science and Technology, 58*(4), 526–535.