Grounded Theory Essentials November 2013

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Description

Grounded theory (GT) s a useful framework for guiding a particularly effective qualitative approach to exploratory research. In the domain of IS research, the addition of new technologies to our collective portfolio triggers the frequent invention and discovery of new and interesting arenas for study. Recent GT studies have examined diverse topics including the nature of participation in virtual worlds, the responses of IS departments to business mergers and acquisitions, to the organization of labor and communications in outsourced projects, and many more. A recent special issue of the *European Journal of Information Systems* was devoted to papers regarding the method and displaying its use in exploratory IS studies.

This presentation will examine the background, philosophy, and basic components of grounded theory. Even those scholars who do not directly perform research using this method, will find themselves evaluating such work in reviewing studies and potentially using findings as support, background, or motivation for their studies in their own topical domain.

GT related readings

Bryant, A. (2002). Re-Grounding Grounded Theory. Journal of Information Technology Theory and Application, 4(1), 25-42.

Corbin, Juliet, and Strauss, Anselm. 1990. "Grounded Theory Research: Procedures, Canons, and Evaluative Criteria," Qualitative Sociology (13:1), pp. 3–21.

Eisenhardt, K. M. 1989. "Building Theories from Case Study Research," Academy of Management Review (14:4), pp. 532–550.

Glaser, B. G. 1992. Emergence vs. Forcing: Basics of Grounded Theory Analysis, Mill Valley, CA: Sociology Press.

Glaser, B. G., and Strauss, A. 1967. The Discovery of Grounded Theory: Strategies of Qualitative Research, Chicago, IL: Aldine.

Gregor, S. 2006. "The Nature of Theory in Information Systems," MIS Quarterly (30:3), pp. 611–642.

Lee, A. S., and Hubona, G. S. 2009. "A Scientific Basis for Rigor and Relevance in Information Systems Research," MIS Quarterly (33:2), pp. 237–262.

Locke, K. (2000). Grounded Theory in Management Research (SAGE Series in Management Research), Sage Publications Limited, Newberry Park, CA,

Strauss, A., and Corbin, J. 1998. Basics of Qualitative Research: Grounded Theory Procedures and Techniques, (Second), Newbury Park, CA: Sage Publications.

Strauss, Anselm. 1987. Qualitative Analysis for Social Scientists, Cambridge: Cambridge University Press.

Suddaby, R. (2006). From the Editors: What Grounded Theory is Not. Academy of Management Journal, 49(4), 633-642.

Urquhart, C., Lehmann, H., and Myers, M. D. 2010. "Putting the 'theory' back into grounded theory: guidelines for grounded theory studies in information systems," Information Systems Journal (20), pp. 357–381.

Webster, J., & Watson, R. T. (2002). Analyzing the Past to Prepare for the Future: Writing a Literature Review. MIS Quarterly, 26(2), xiii-xxiii.

GT Example readings

Calloway, L. J., & Ariav, G. (1995). Designing with dialogue charts: a qualitative content analysis of end-user designers' experiences with a software engineering design tool. Information Systems Journal, 5(2), 75-103.

Day, J. M., Junglas, I., & Silva, L. (2009). Information Flow Impediments in Disaster Relief Supply Chains. [Article]. Journal of the Association for Information Systems, 10(8), 637-660.

de Vreede, G.-J., Jones, N., & Mgaya, R. J. (1998). Exploring the Application and Acceptance of Group Support Systems in Africa. [Article]. Journal of Management Information Systems, 15(3), 197-234.

DeLuca, D., Gallivan, M. J., & Kock, N. (2008). Furthering Information Systems Action Research: A Post-Positivist Synthesis of Four Dialectics. [Article]. Journal of the Association for Information Systems, 9(2), 48-71.

Feller, J., Finnegan, P., Fitzgerald, B., & Hayes, J. (2008). From Peer Production to Productization: A Study of Socially Enabled Business Exchanges in Open Source Service Networks. Information Systems Research, 19(4), 475-493. doi: 10.1287/isre.1080.0207

Galal, G. H. (2001). From contexts to constructs: the use of grounded theory in operationalising contingent process models. European Journal of Information Systems, 10(1), 2-14.

Goulielmos, M. (2004). Systems development approach: transcending methodology. Information Systems Journal, 14(4), 363-386.

Hunter, M. G., & Beck, J. E. (2000). Using Repertory Grids to Conduct Cross-Cultural Information Systems Research. Information Systems Research, 11(1), 93-101. doi: 10.1287/isre.11.1.93.11786

Irani, Z., Love, P. E. D., & Jones, S. (2008). Learning lessons from evaluating eGovernment: Reflective case experiences that support transformational government. [doi: DOI: 10.1016/j.jsis.2007.12.005]. The Journal of Strategic Information Systems, 17(2), 155-164.

King, S. F. (1996). CASE tools and organizational action. Information Systems Journal, 6(3), 173-194.

Kirsch, L. J. (2004). Deploying Common Systems Globally: The Dynamics of Control. Information Systems Research, 15(4), 374-395. doi: 10.1287/isre.1040.0036

Lederer, A. L., & Mendelow, A. L. (1990). The Impact of the Environment on the Management of Information Systems. [Article]. Information Systems Research, 1(2), 205-222.

Levina, N., & Vaast, E. (2008). Innovating or Doing As Told? Status Differences and Overlapping Boundaries In Offshore Collaboration. MIS Quarterly, 32(2), 307-332.

Lundell, B., & Lings, B. (2003). The 2G method for doubly grounding evaluation frameworks. Information Systems Journal, 13(4), 375-398.

Orlikowski, W. J. (1993). CASE Tools as Organizational Change: Investigating Incremental and Radical Changes in Systems Development. [Article]. MIS Quarterly, 17(3), 309-340.

Ovaska, P., Rossi, M., & Smolander, K. (2005). Filtering, Negotiating and Shifting in the Understanding of Information System Requirements. Scandinavian Journal of Information Systems, 17(1).

Palka, W., Pousttchi, K., & Wiedemann, D. G. (2009). Mobile word-of-mouth A grounded theory of mobile viral marketing. Journal of Information Technology, 24(2), 172-185.

Pauleen, D. J. (2003). An Inductively Derived Model of Leader-Initiated Relationship Building with Virtual Team Members. [Article]. Journal of Management Information Systems, 20(3), 227-256.

Petrini, M., & Pozzebon, M. (2009). Managing sustainability with the support of business intelligence: Integrating socio-environmental indicators and organisational context. [doi: DOI: 10.1016/j.jsis.2009.06.001]. The Journal of Strategic Information Systems, 18(4), 178-191.

Ransbotham, S., & Mitra, S. (2009). Choice and Chance: A Conceptual Model of Paths to Information Security Compromise. Information Systems Research, 20(1), 121-139. doi: 10.1287/isre.1080.0174

Ribes, D., & Finholt, T. A. (2009). The Long Now of Technology Infrastructure: Articulating Tensions in Development. [Article]. Journal of the Association for Information Systems, 10(5), 375-398.

Scott, J. E. (2000). Facilitating Interorganizational Learning with Information Technology. [Article]. Journal of Management Information Systems, 17(2), 81-113.

Seeley, M. E., & Targett, D. (1997). A senior executive end-user framework. Information Systems Journal, 7(4), 289-308.

Siau, K., Tan, X., & Sheng, H. (2007). Important characteristics of software development team members: an empirical investigation using Repertory Grid. Information Systems Journal, 20(6), 563-580.

Tingling, P., & Parent, M. (2004). An exploration of enterprise technology selection and evaluation. [doi: DOI: 10.1016/j.jsis.2004.11.003]. The Journal of Strategic Information Systems, 13(4), 329-354.

Volkoff, O., Strong, D. M., & Elmes, M. B. (2005). Understanding enterprise systems-enabled integration. [doi:10.1057/palgrave.ejis.3000528]. European Journal of Information Systems, 14(2), 110-120.

Wales, R. C., Shalin, V. L., & Bass, D. S. (2007). Requesting Distant Robotic Action: An Ontology for Naming and Action Identification for Planning on the Mars Exploration Rover Mission. Journal of the Association for Information Systems, 8(2), 75-104.

Walls, J. G., Widmeyer, G. R., & El Sawy, O. A. (1992). Bulding an Information System Design Theory for Vigilant EIS. Information Systems Research, 3(1), 36-59.

Webb, B., & Gallagher, S. (2009). Action in context and context in action: Modeling complexity in multimedia systems development. [doi:10.1057/jit.2008.27]. Journal of Information Technology, 24(1), 126-138.

Webb, B., & Mallon, B. (2007). A Method to Bridge the Gap between Breadth and Depth in IS Narrative Analysis. [Article]. Journal of the Association for Information Systems, 8(7), 368-381.

Weick, K. E. (1989). Theory construction as disciplined imagination. Academy of Management Review, 14(4), 516-531.

Weick, K. E. (1992). Agenda Setting in Organizational Behavior: A Theory-Focused Approach. Journal of Management Inquiry, 1(3), 171-182. doi: 10.1177/105649269213001

Work, B. (2002). Patterns of software quality management in TickIT certified firms. European Journal of Information Systems, 11(1), 61-73.

Zahedi, F., Van Pelt, W. V., & Srite, M. (2006). Web Documents' Cultural Masculinity and Femininity. Journal of Management Information Systems, 23(1), 87-128.