Special Topics in Social Media Services
社會媒體服務專題

Theories of Media and Information

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Sat. 6,7,8 (13:10-16:00) D502

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http://mail.im.tku.edu.tw/~myday/
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16 100/06/04 Social Network Analysis, Link Mining, Text Mining, Web Mining, and Opinion Mining in Social Media
17 100/06/11 Project Presentation and Discussion
18 100/06/18 期末考試週
Theories used in IS research

84 Theories
84 Theories used in IS research

1. Absorptive capacity theory
2. Actor network theory
3. Adaptive structuration theory
4. Administrative behavior, theory of
5. Agency theory
6. Argumentation theory
7. Behavioral decision theory
8. Boundary object theory
9. Chaos theory
10. Cognitive dissonance theory

Source: http://www.fsc.yorku.ca/york/istheory/wiki/index.php/Main_Page
84 Theories used in IS research

11. Cognitive fit theory
12. Cognitive load theory
13. Competitive strategy (Porter)
14. Complexity theory
15. Contingency theory
16. Critical realism theory
17. Critical social theory
18. Critical success factors, theory of
19. Deferred action, theory of
20. Delone and McLean IS success model

Source: http://www.fsc.yorku.ca/york/istheory/wiki/index.php/Main_Page
84 Theories used in IS research

21. Diffusion of innovations theory
22. Dynamic capabilities
23. Embodied social presence theory
24. Equity theory
25. Evolutionary theory
26. Expectation confirmation theory
27. Feminism theory
28. Fit-Viability theory
29. Flow theory
30. Game theory

Source: http://www.fsc.yorku.ca/york/istheory/wiki/index.php/Main_Page
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31. Garbage can theory
32. General systems theory
33. General deterrence theory
34. Hermeneutics
35. Illusion of control
36. Impression management, theory of
37. Information processing theory
38. Institutional theory
39. International information systems theory
40. Knowledge-based theory of the firm

Source: http://www.fsc.yorku.ca/york/istheory/wiki/index.php/Main_Page
84 Theories used in IS research

41. Language action perspective
42. Lemon Market Theory
43. Management fashion theory
44. Media richness theory
45. Media synchronicity theory
46. Modal aspects, theory of
47. Multi-attribute utility theory
48. Organizational culture theory
49. Organizational information processing theory
50. Organizational knowledge creation

Source: http://www.fsc.yorku.ca/york/istheory/wiki/index.php/Main_Page
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51. Organizational learning theory
52. Portfolio theory
53. Process virtualization theory
54. Prospect theory
55. Punctuated equilibrium theory
56. Real options theory
57. Resource-based view of the firm
58. Resource dependency theory
59. Self-efficacy theory
60. SERVQUAL

Source: http://www.fsc.yorku.ca/york/istheory/wiki/index.php/Main_Page
84 Theories used in IS research

61. Social capital theory
62. Social cognitive theory
63. Social exchange theory
64. Social learning theory
65. Social network theory
66. Social shaping of technology
67. Socio-technical theory
68. Soft systems theory
69. Stakeholder theory
70. Structuration theory

Source: http://www.fsc.yorku.ca/york/istheory/wiki/index.php/Main_Page
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71. Task closure theory
72. Task-technology fit
73. Technological frames of reference
74. Technology acceptance model
75. Technology dominance, theory of
76. Technology-organization-environment framework
77. Theory of planned behavior
78. Theory of reasoned action
79. Transaction cost economics
80. Transactive memory theory

Source: http://www.fsc.yorku.ca/york/istheory/wiki/index.php/Main_Page
84 Theories used in IS research

81. Unified theory of acceptance and use of technology
82. Usage control model
83. Work systems theory
84. Yield shift theory of satisfaction

Source: http://www.fsc.yorku.ca/york/istheory/wiki/index.php/Main_Page
Theories of Media and Information

1. Information Theory
2. Innovation diffusion theory
3. Media System Dependency Theory
4. Knowledge Gap Theory
5. Agenda Setting Theory
6. Elements of Agenda Setting Theory
7. Framing Theory
8. Spiral of Silence Theory
9. New Production Research
10. Media Intrusion Theory
Information Theory
(1949)

Mathematical (Information) Model of Communication
Source: Shannon & Weaver (1949)
Understanding the Media: The Extensions of Man (1964)

The Medium is the Massage: An Inventory of Effects (1967)

- The Medium is the Massage: An Inventory of Effects (1967)
  - by Marshall McLuhan

Tetrad of media effects

• What does the medium enhance?
• What does the medium make obsolete?
• What does the medium retrieve that had been obsolesced earlier?
• What does the medium flip into when pushed to extremes?

Innovation diffusion theory (1983)

Rogers, Everett M, (1962; 1983), Diffusion of Innovations

Media System Dependency Theory (1976)

- Media System
- Social System
- Stakeholder
Media System Dependency Theory (1976)

• The dependency model of media effects is presented as a theoretical alternative in which the nature of the tripartite audience-media-society relationship is assumed to most directly determine many of the effects that the media have on people and society.

• Audience dependency on media information resources as a key interactive condition for alteration of audience beliefs, behavior, or feelings as a result of mass communicated in formation.
Knowledge Gap Theory

Agenda Setting Theory (1972)

- In choosing and displaying news, editors, newsroom staff, and broadcasters play an important part in shaping political reality.
- Readers learn not only about a given issue, but also how much importance to attach to that issue from the amount of information in a news story and its position.
- In reflecting what candidates are saying during a campaign, the mass media may well determine the important issues—that is, the media may set the "agenda" of the campaign.

Information Systems Theories

- Theory of Reasoned Action (TRA)
- Technology Acceptance Model (TAM)
- Theory of Planned Behavior (TPB)
- Unified Theory of Acceptance and Use of Technology (UTAUT)
- Integration of User Satisfaction and Technology Acceptance (IUSTA)
TRA (1989)

Fig. 1.2 Schematic presentation of conceptual framework for the prediction of specific intentions and behaviors.

FigURE 1. Theory of Reasoned Action (TRA).

TPB (1985)

Fig. 2.1. Schematic presentation of the theory of planned behavior

TPB (1989)

FIG. 10.2. Theory of planned behavior.

TPB (1991)

FIG. 1. Theory of planned behavior

Icek Aizen (Ajzen)

Professor of Psychology
University of Massachusetts

Theory of Planned Behavior

Last modified: April 13, 2005

http://www.people.umass.edu/aizen/index.html
UTAUT (2003)

Unified Theory of Acceptance and Use of Technology (UTAUT)

Unified Theory of Acceptance and Use of Technology (UTAUT) (Venkatesh et al. 2003)

Theory of Reasoned Action (TRA) (Fishbein and Ajzen 1975)

Technology Acceptance Model (TAM) (Davis 1989)

Combined TAM and TPB (C-TAM-TPB) (Taylor and Todd 1995)

Motivation Model (MM) (Davis et al. 1992)

Social Cognitive Theory (SCT) (Compeau and Higgins 1995)

Innovation Diffusion Theory (IDT) (Moore and Benbasat 1991)

Model of PC Utilization (MPCU) (Tompson et al. 1991)

Theory of Planned Behavior (TPB) (Ajzen 1991)

Theory of Reasoned Action (TRA) (Fishbein and Ajzen 1975)

Technology Acceptance Model (TAM) (Davis 1989)

Motivation Model (MM) (Davis et al. 1992)

Social Cognitive Theory (SCT) (Compeau and Higgins 1995)

Innovation Diffusion Theory (IDT) (Moore and Benbasat 1991)

Model of PC Utilization (MPCU) (Tompson et al. 1991)
IUSTA (integration of user satisfaction and technology acceptance)


*Thick lines indicate new relationships proposed in TAM3.*
The Beginning of Media Theory

• Web 2.0, Social Network, Social Media
• iPhone/iPAD/Blackberry/Android
• Virtual Reality
• Artificial Intelligence
• Cognitive Neuroscience
• Globalization
References

- Ball-Rokeach, S. J., & DeFleur, M. L. (1976), A dependency model of mass-media effects, Communication Research, 3, pp. 3-21.