Week 2: Research Lifecycle

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# Research Lifecycle

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|  | Risks During Cloud Migration | Mgmt Experiences with Cloud | Personal decision factors of IT execs |
| Author | Kilgore, N (2020) | Effiong, A (2020) | Smith, M (2016) |
| Research Problem | * What process risk exists during a cloud migration? * *How do enterprise businesses manage the risks they encounter during the migration of cloud computing* (page 4) | * Small to midized sized organiations are adopting cloud slower than large enterprises * What misperseptions cause these delays |  |
| Purpose | * Qualitative study of how are businesses handling these challenges * Many businesses are failing their migration strategies | * Explore the lived experiences to understand their perceptions * Produce targeted evidence those concerns are accounted for in cloud models |  |
| Methodology | * Decision Theory * Interview questions * Purely qualitative (no hard numbers available) | * Watson’s concept of resistance to change * User acceptance theory |  |
| Design of Study | 1. Select participants from    1. Mid-sized enterprises    2. Migrated last 5-years    3. Materially involved 2. Limit to 7 orgs randomly selected 3. Structured Interview 4. Theme extraction | 1. Select participants    1. North east US    2. Businesses less than 100    3. 12 male + 4 female managers 2. Arranged face-to-face interviews |  |
| Instruments | * Structured interview from credible sources * Three sets of questions   + Demographic (closed)   + Eligibility (open)   + Research Topic (semi-structured) * *The interviewer is the true instrument* (page 73) | * Structured interviews * Two sets of questions   + Demographics (closed)   + General cloud perception (open) * Use NVivo 12 to perform trend analysis on the interview transcripts * *The researcher is the primary instrument* (page 65) |  |
| Analysis | * Anonymize data * Aggregation and theme extraction | * Create targeted open ended questions * Review the relevance with a test panel * Interview leaders until data saturation occurs * Feed transcripts into NVIO |  |
| Findings | * Businesses did not manage migration risk * Focus on less complicated risks * Use of external vendors for risk management * Completion time was vital to plan * No formal risk documentation | * Actualized experiences were generally positive * Perception is risks of   + Training   + Flexibility   + Efficiency   + Costing   + Ease of use   + Security * Reviewing business processes can highlight these risks already exist in private data centers |  |