

Beyond Process Model Complexity: A Multi-Granular Investigation Across Time and Space Based on Eye-tracking

Appendix: Tasks

Assertions

| Type | |
|-------------|---|
| Order | In every execution of this process, there is an occurrence of activity XX before any occurrence of activity YY. |
| Choice | In this process, if activity XX is executed, activity YY never occurs, and conversely. |
| Repetition | This process has an execution where activity XX occurs several times while activity YY occurs only once. |
| Concurrency | In this process, activity XX is executed in parallel with activity YY. |

Tasks

| Complexity | Model | Type | Assertion |
|--------------------------|----------|-------------|---|
| Fam., "Dummy" | model_g1 | Repetition | This process has an execution where activity AL occurs several times while activity AI occurs only once. |
| Ess. Complex. | model_g2 | Choice | In this process, if activity BA is executed, activity AZ never occurs, and conversely. |
| | model_g2 | Repetition | This process has an execution where activity BC occurs several times while activity AK occurs only once. |
| Simple | model_g3 | Choice | In this process, if activity AL is executed, activity AC never occurs, and conversely. |
| | model_g3 | Repetition | This process has an execution where activity AK occurs several times while activity AA occurs only once. |
| Ess. Complex. Composed | | | |
| targets the simple part | model_g4 | Order | In every execution of this process, there is an occurrence of activity BL before any occurrence of activity AT. |
| targets the simple part | model_g4 | Choice | In this process, if activity AP is executed, activity BN never occurs, and conversely. |
| targets the complex part | model_g4 | Order | In every execution of this process, there is an occurrence of activity AZ before any occurrence of activity BG. |
| targets the complex part | model_g4 | Choice | In this process, if activity AL is executed, activity AR never occurs, and conversely. |
| Acc. Complex. | model_g5 | Choice | In this process, if activity AA is executed, activity AL never occurs, and conversely. |
| | model_g5 | Repetition | This process has an execution where activity AE occurs several times while activity AD occurs only once. |
| Acc. Complex. Composed | | | |
| targets the simple part | model_g6 | Order | In every execution of this process, there is an occurrence of activity BC before any occurrence of activity AN. |
| targets the simple part | model_g6 | Concurrency | In this process, activity BU is executed in parallel with activity AS. |
| targets the complex part | model_g6 | Order | In every execution of this process, there is an occurrence of activity AA before any occurrence of activity AQ. |
| targets the complex part | model_g6 | Concurrency | In this process, activity AF is executed in parallel with activity AY. |

Abbreviations:

Fam., "Dummy": Familiarization, "Dummy" Task

Ess. Complex.: Essential Complexity

Acc. Complex.: Accidental Complexity

Activity names are randomized for each participant.