

A Correspondence Analysis Framework for Workflow-supported Performer-Activity Affiliation Networks

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Abstract—The workflow-supported affiliation network is a special type of the workflow-supported social network, and represents affiliated relationships between two different entity types in workflow models. In this paper, we propose a theoretical framework for particularly analyzing the performer-activity correspondence measurements on a workflow-supported affiliation network. The proposed framework formalizes a series of theoretical steps from discovering a workflow-supported performer-activity affiliation network to analyzing the performer-activity association on the discovered affiliation network using correspondence analysis. As an operational example, we apply a typical example of the information control net workflow model to the steps of the procedural framework and show its results of the performer-activity correspondence analysis.

Keyword—workflow-supported affiliation network, correspondence analysis, workflow intelligence, ICN-based workflow model, organizational knowledge



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