Business Intelligence I

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Exercise 5: Social Network Mining (4 Points)

Task 5-1: Data Preparation (2 points)

Consider the following relational tables:

Dancers	DID	Name
	D1	Simon
	D2	Maria
	D3	Frank
	D4	Sally
	D5	Bert
	D6	Anna

	DID	CID
	D1	C1
	D2	C3
	D2	C4
	D2	C1
	D3	C4
	D3	C1
	D4	C1
	D4	C2
	D4	C5
	D5	C1
	D5	C2
	D5	C5
	D6	C2
	D6	C5
	D1	C2

Choreography	CID	Name
	C1	Phantom
	C2	Strike1
	C3	Solo
	C4	Duo
	C5	Trio

Figure 1: Data

Prepare the data as
   a) Case matrix
   b) .net file for analysis

Goal: We want to analyze which dancers dance together in choreographies.

Task 5-2: Analysis (2 points)

Analyze the example data from Task 5-1. Determine at least one local and one global measure. Do an interpretation, e.g., who is the "most important" dancer and why?