

EFTA Research Cafe

Monitoring Interpersonal Patterns

The Synergetic Navigation System (SNS) in

Supervision and Trainig

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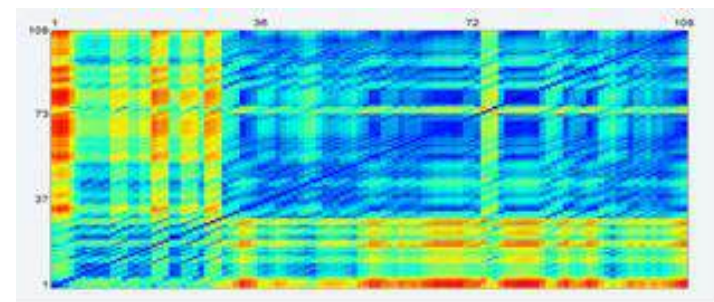
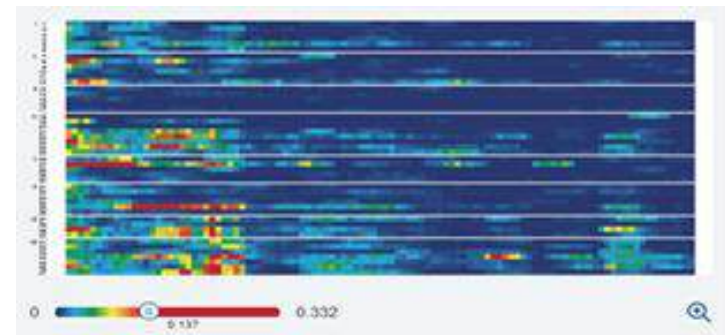
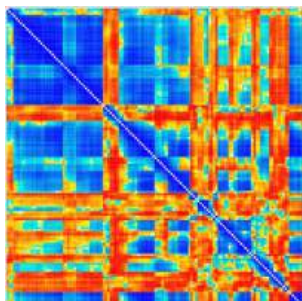
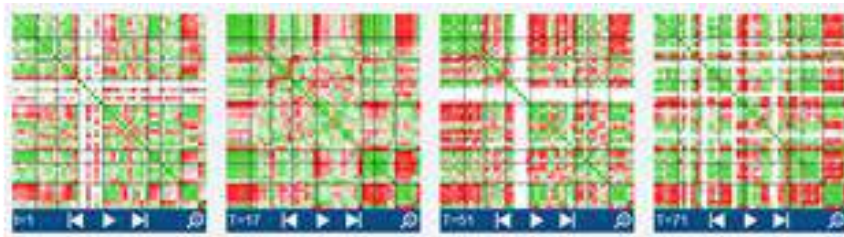
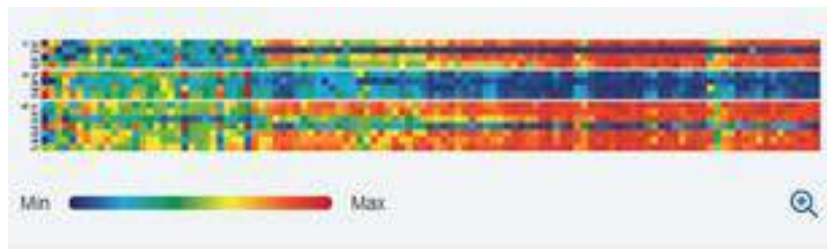


Synergetic Navigation System (SNS)

Interpersonal Systems – Couples, Families, Teams, Organizations, ...

Diagramm-Assistent

1 Diagramm-Typ



Die Erfassung interpersoneller Prozessmuster mit dem Synergetischen Navigationssystem (SNS)

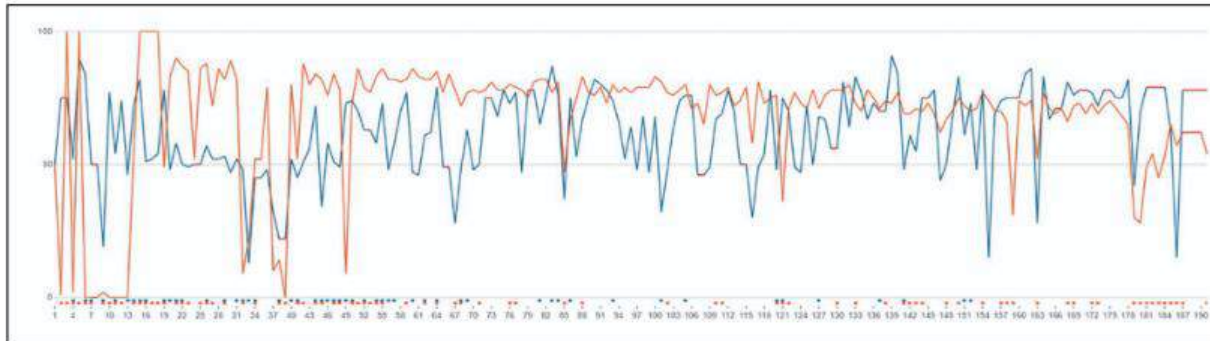


Abb. 1: Übereinander gelegte Zeitreihen der Items »Heute habe ich Verständnis für meinen Mann gehabt« (Einschätzungen von Frau M., blau) und »Heute habe ich Verständnis für meine Frau gehabt« (Einschätzungen von Herrn M., rot).

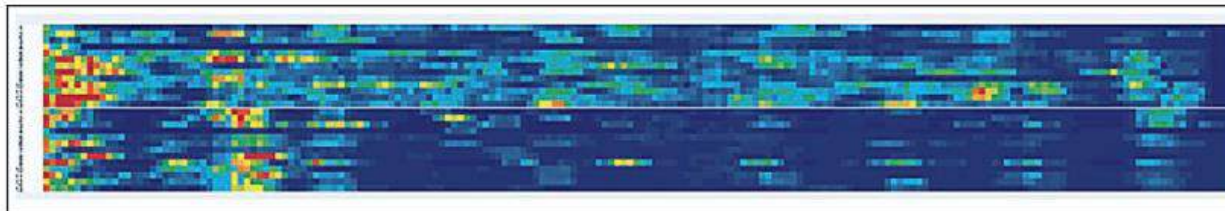


Abb. 3: Komplexitäts-Resonanzdiagramm eines Paares. Oben: Frau A., unten Herr A. Das Diagramm zeigt jeweils 13 Items eines personalisierten Paar-Prozessbogens mit Fragen zu Themen und Zielen der Paartherapie, wobei es zentral um manisch-depressive Zustände der Frau und um gegenseitiges Vertrauen ging. Die Farben geben die Ausprägung der dynamischen Komplexität wieder. Blautöne: niedrige Komplexität, Gelb- Orange-Rottöne: hohe Komplexität.

Die Erfassung interpersoneller Prozessmuster mit dem Synergetischen Navigationssystem (SNS)

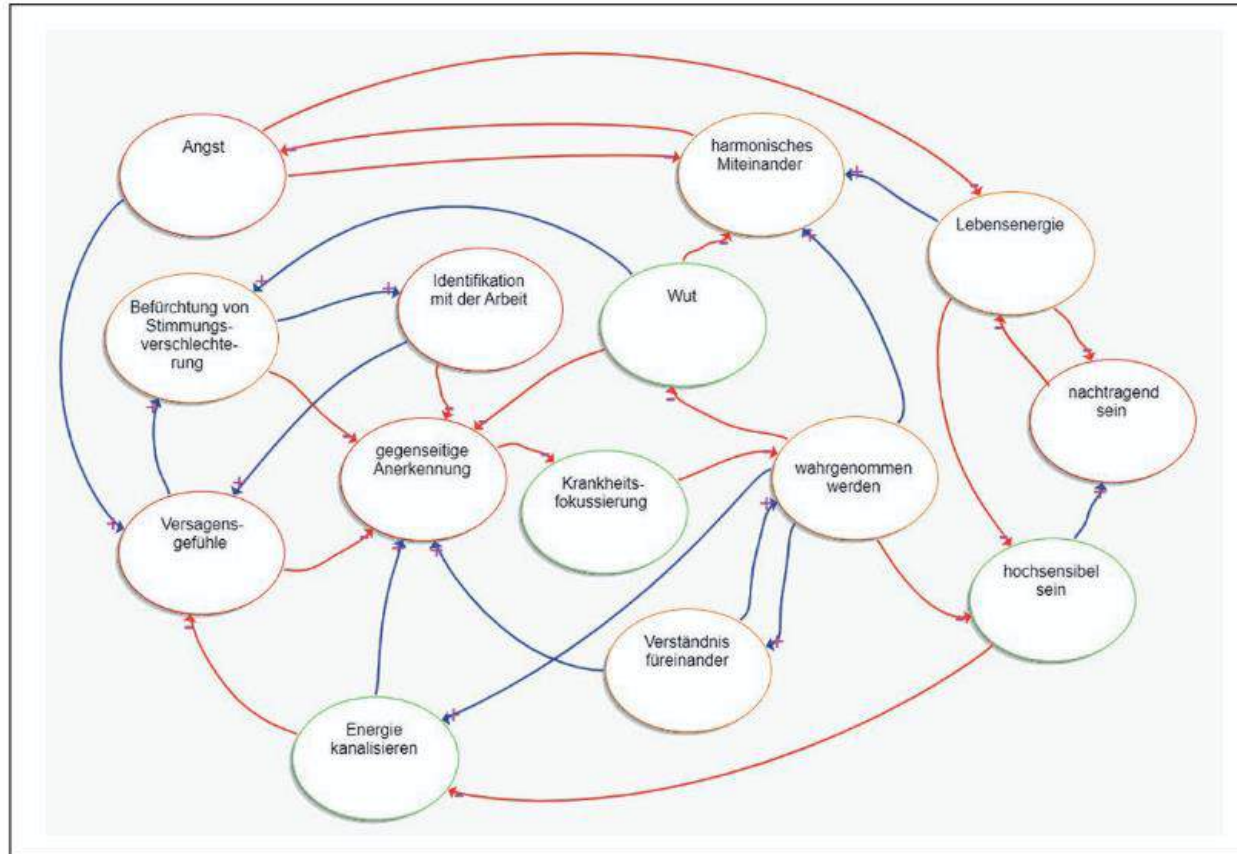


Abb. 6: Systemmodell einer Paarbeziehung (blau: aktivierende Effekte [die Zunahme von Variable A führt zur Zunahme von Variable B]; rot: dämpfende Effekte [die Zunahme von Variable A führt zur Abnahme von Variable B]).

Die Erfassung interpersoneller Prozessmuster mit dem Synergetischen Navigationssystem (SNS)

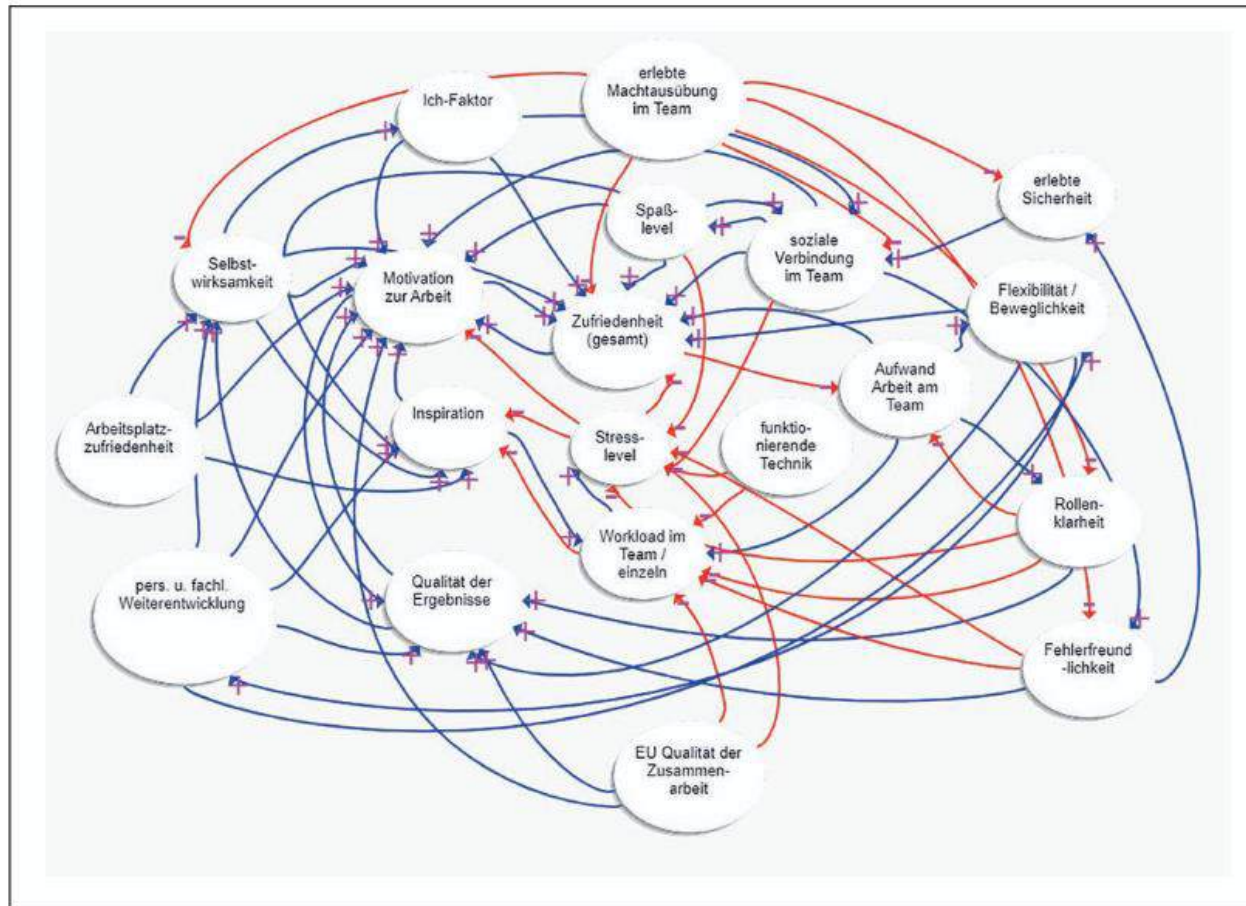
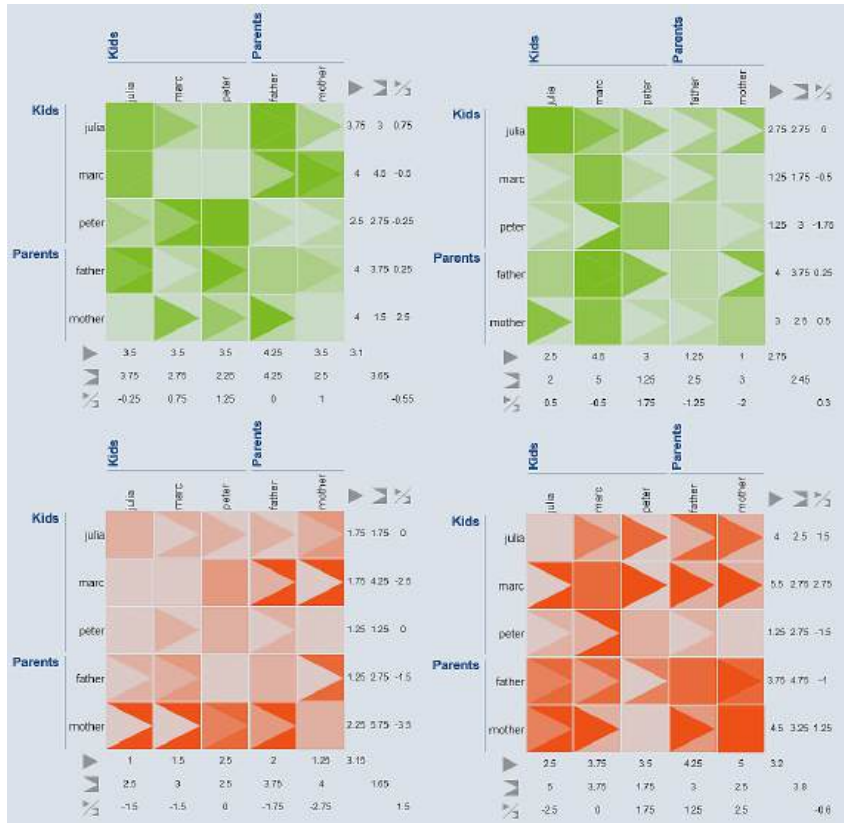


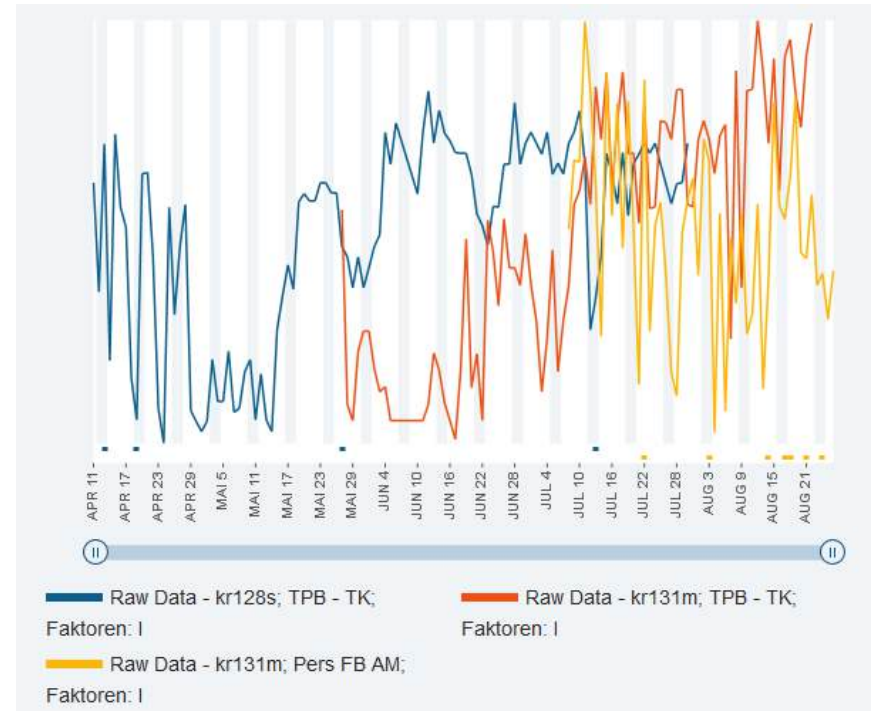
Abb. 7: Ein Systemmodell, das relevante Bedingungen für die Teamarbeit und ihre Wechselwirkungen enthält (blau: aktivierende Effekte [die Zunahme von Variable A führt zur Zunahme von Variable B]; rot: dämpfende Effekte [die Zunahme von Variable A führt zur Abnahme von Variable B]).

Synergetic Navigation System (SNS)

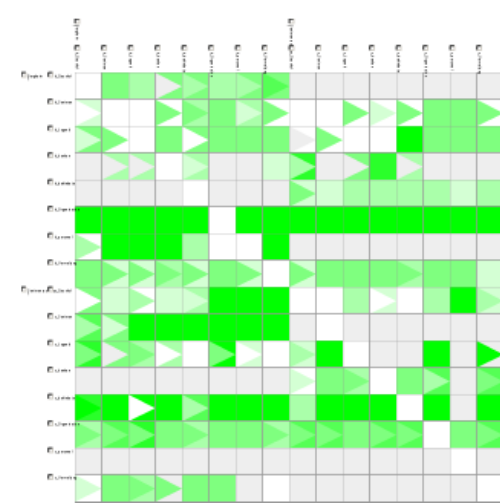
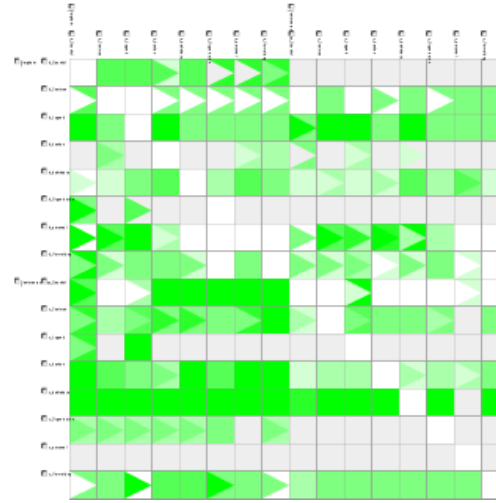
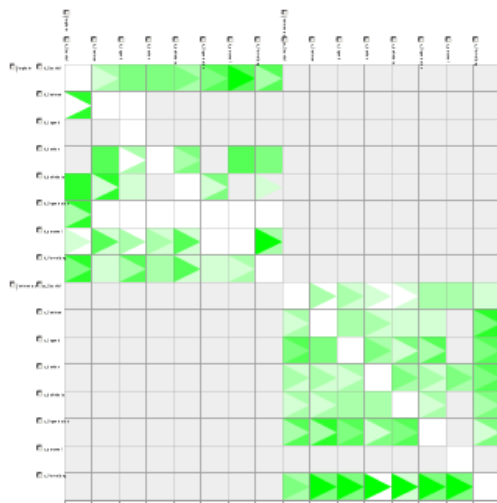
Interaction Matrix



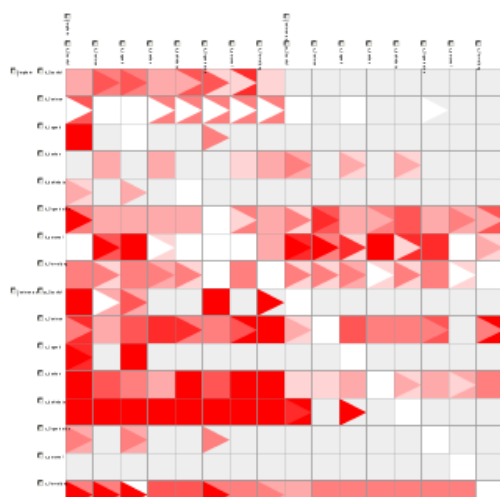
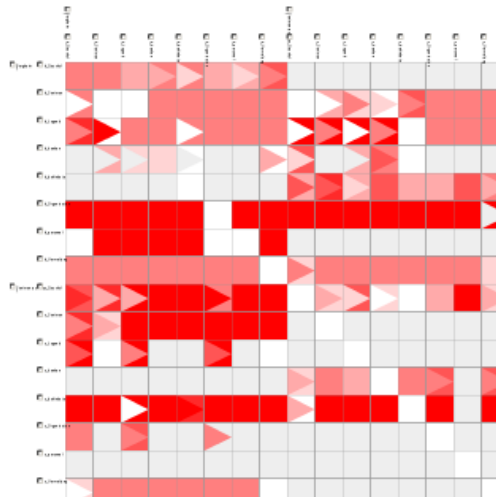
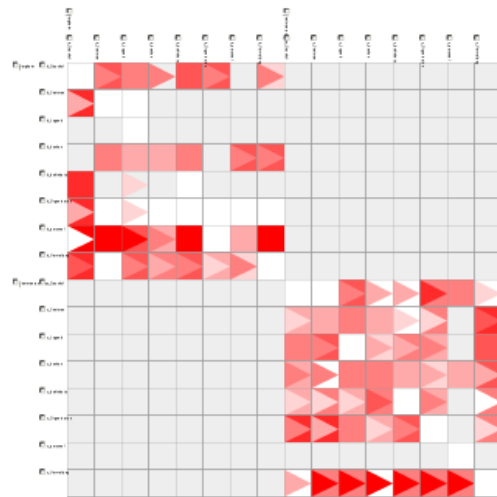
Superposition of time series of different persons even if only partially overlapping



Drei Erhebungszeitpunkte mit der Interaktionsmatrix in einem Systemspiel - Fusionsszenario zweier Non-Profit-Organisationen



Informationsaustausch



Unterstützung



Supervision Project SFU Ljubljana

Tatjana Rosic, Nusa Kovacevic Tojnko, Fred Hasselman, Günter Schiepek

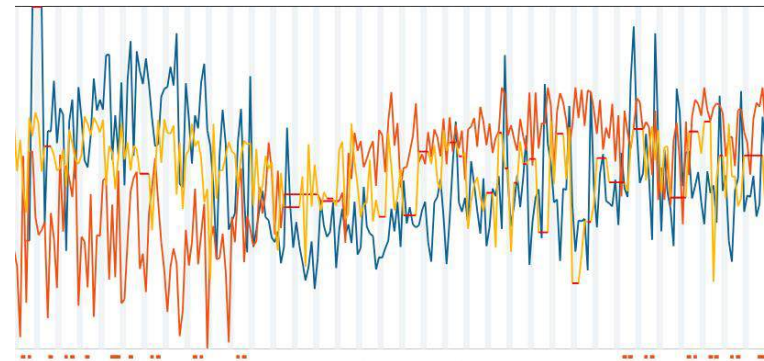
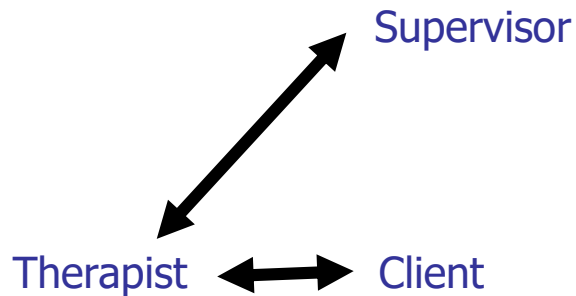
Research question: How supervision is working?

Is there a transmission from the supervisor or the supervisor – therapist interaction to the client?

Is there a causal relation between the components of the supervisor-therapist-client triad (system) ?

Even if there is no physical contact between supervisor and client?

How we can do multiple time series research?



Supervision Project SFU Ljubljana

Tatjana Rosic, Nusa Kovacevic Tojnko, Fred Hasselman, Günter Schiepek

Factors of the process questionnaire for supervisor and therapist

OR Personal growth

NPU Learning therapeutic competencies

SK Social climate

ČUS Emotions

Factors of the Therapy Process Questionnaire Outpatient Client

WPE Well-being and positive emotions

EPB Emotional stress and problem severity

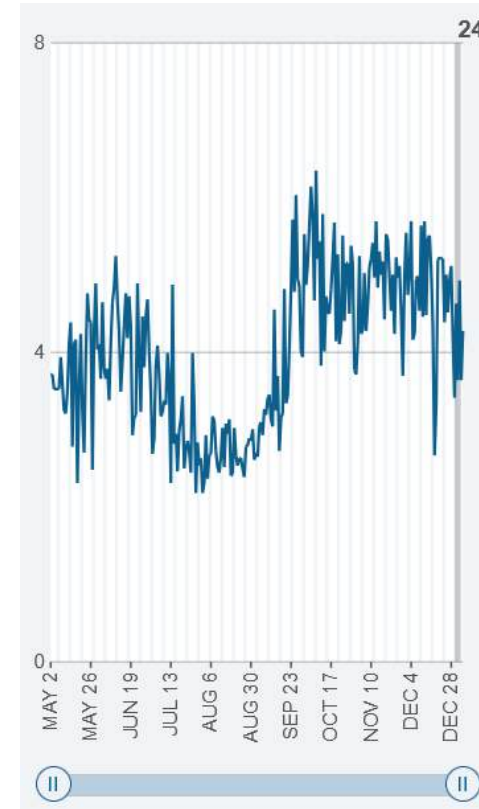
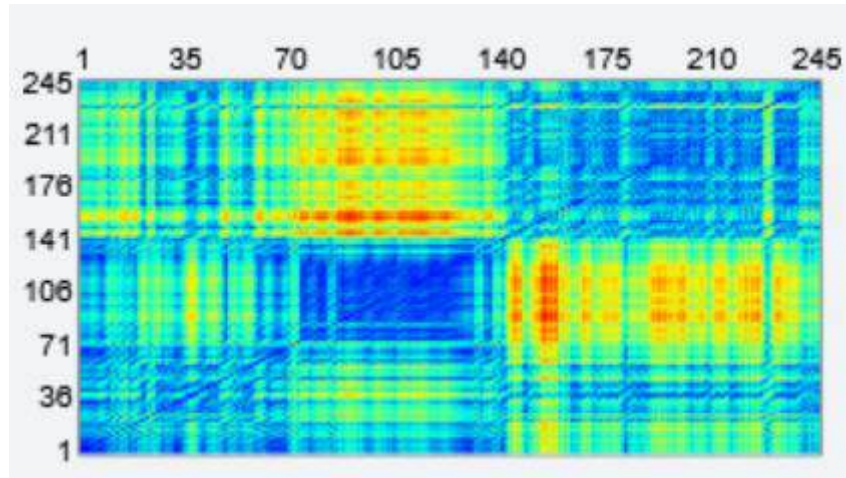
VZF Understanding, confidence, therapeutic progress

MOT Motivation for change

AKB Mindfulness, body experience, needs

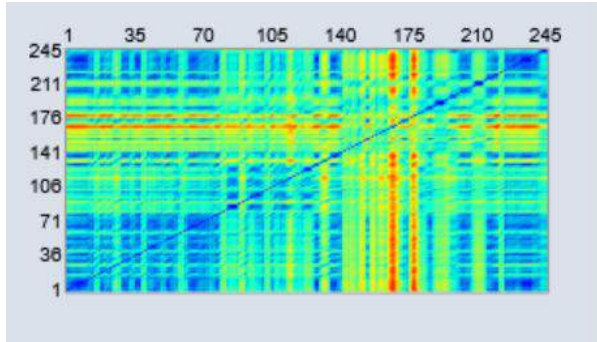
Recurrence plot and time series (250 days)

Factor „Mindfulness and body experience“

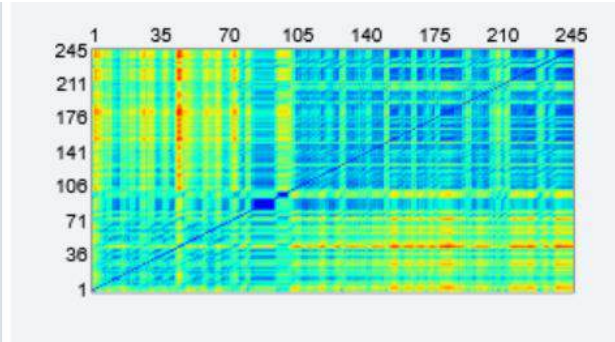


Cross Recurrence Plots

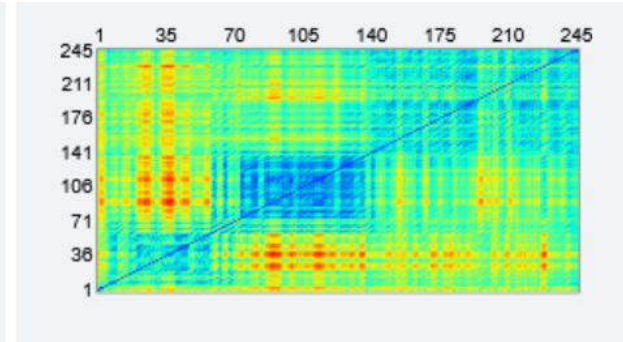
Personal time series



Supervisor



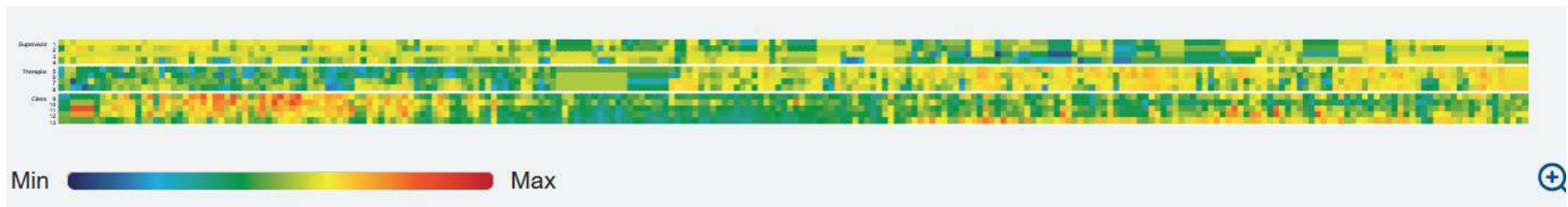
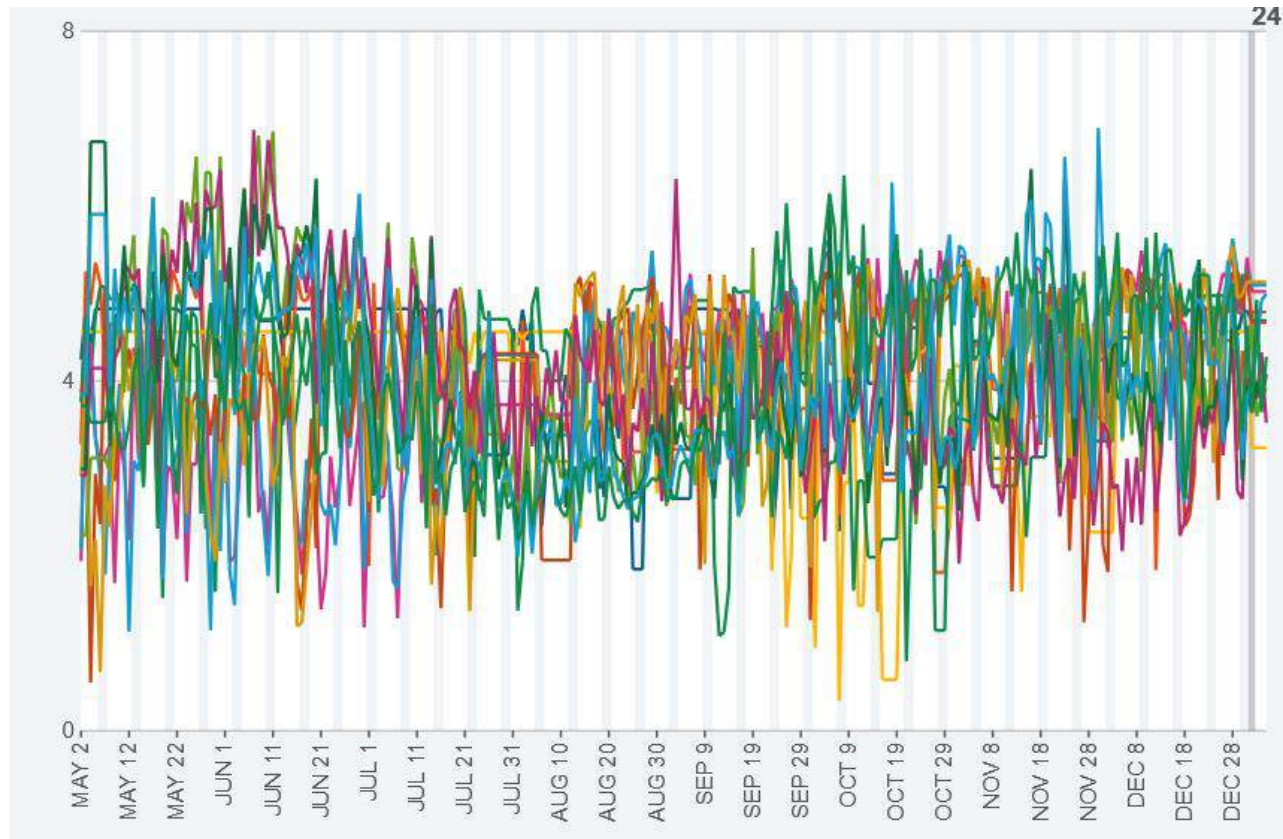
Therapist

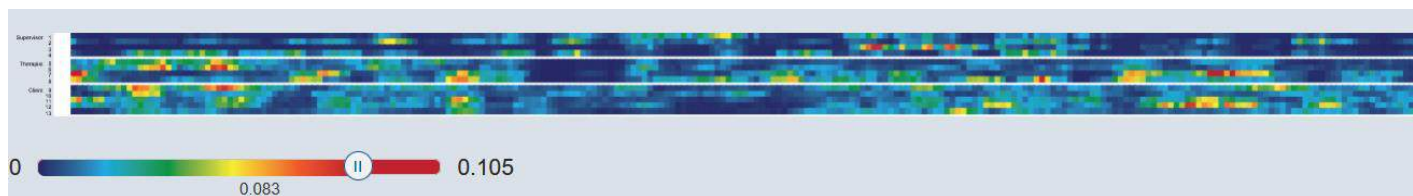
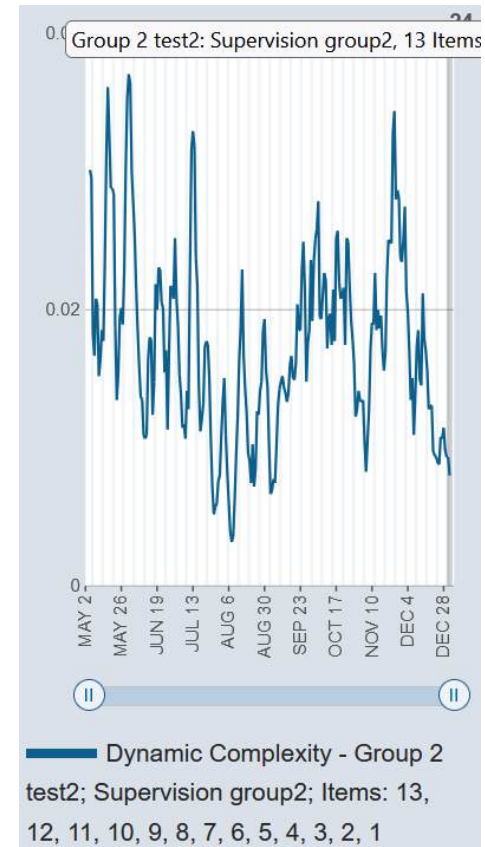
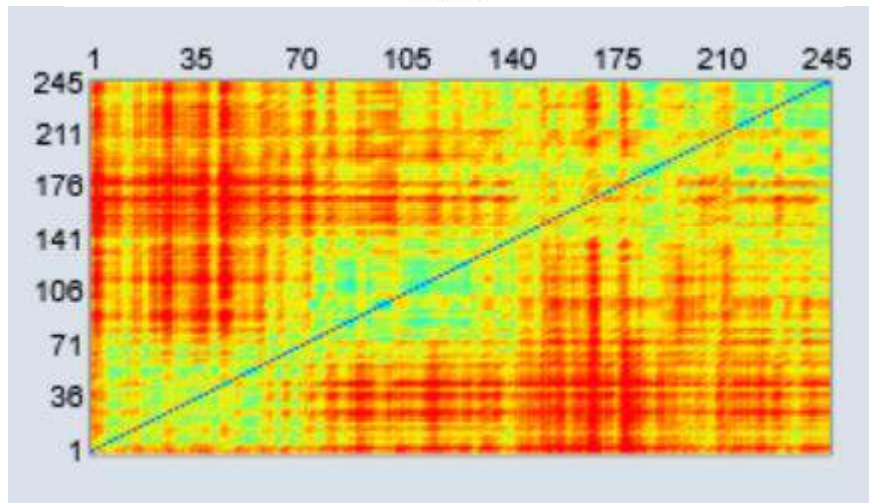
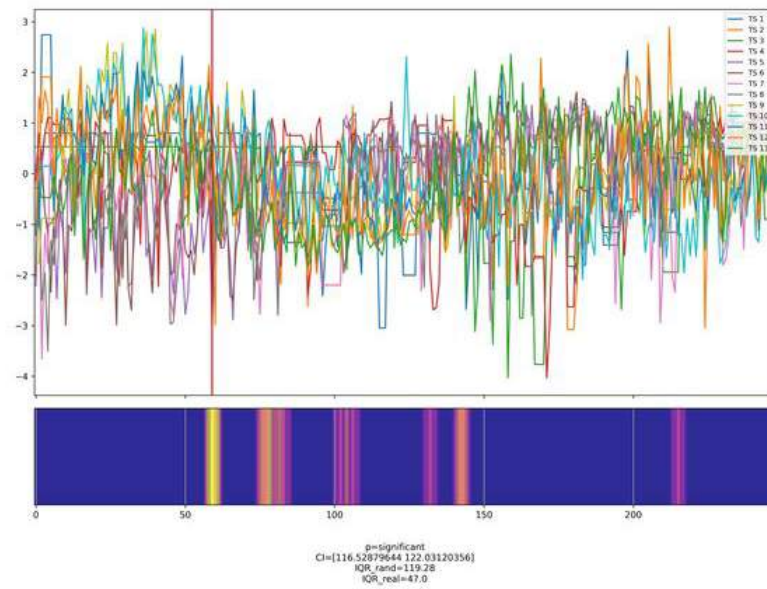


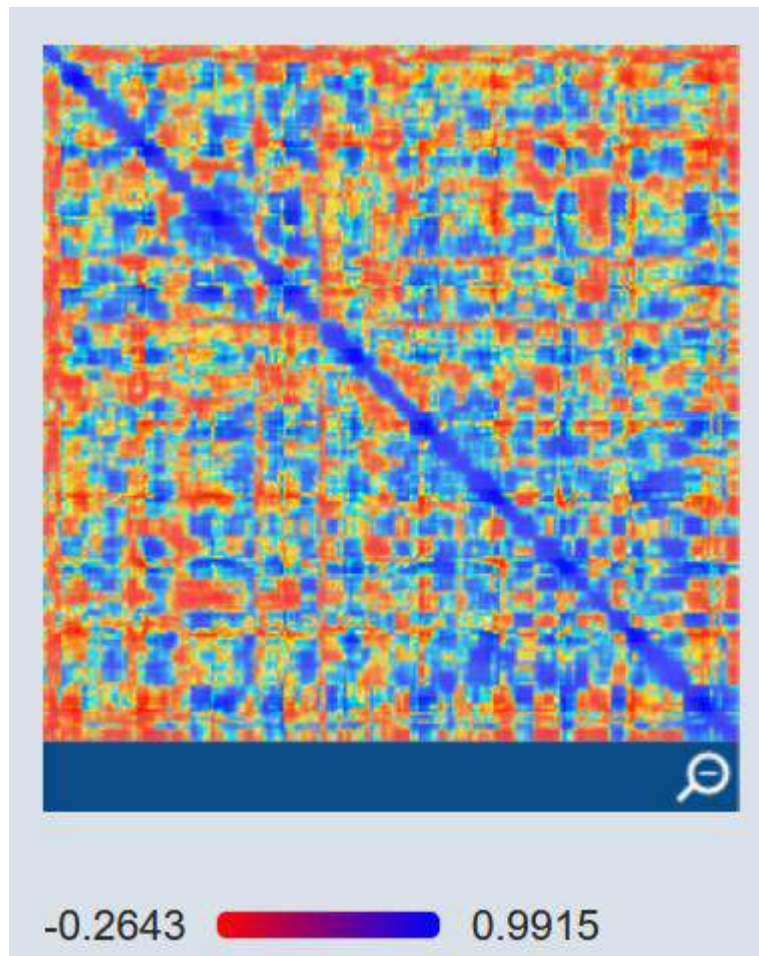
Client

Superposition of the 13 time series

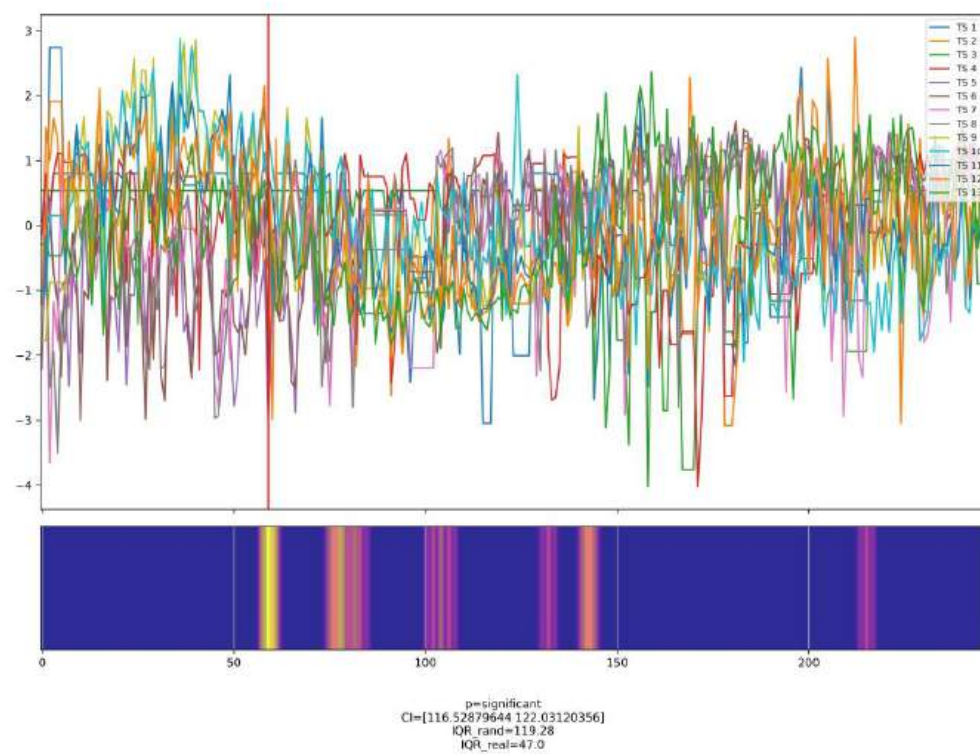
Time series diagram and raw data resonance diagram







All time series (TP @ Pos.59)



Decision Support Tool

Entwicklung im Rahmen der 4. Technologiegeneration des SNS

Vorhersage auf Basis der Theorie und von ML / AI / NLP

Lernprozess durch Abgleich der Vorhersage mit dem empirischen Verlauf

Therapist pre: What this session should produce for the client

Therapist post: What I could realize in this session

Client post: How the client experienced the session

