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Inspirational Intuition – A new controlling approach to moderate the intuitive imagination of knowledge

Extended Abstract

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Abstract

This extended abstract shows the importance of human intuition in the context of creating new knowledge. In particular, inspirational intuition plays an important role. In contrast to Daniel Kahneman's fast, intuitive and routine decision making in terms of a System 1 (Kahneman 2011, pp. 19 ff.), inspirational intuition is shown to be a slow, incubational and illuminative force. As a System 3, it forms an important core human capability to enable unprecedented knowledge with the help of original intuitions. The scientific paper shows the development of a questionnaire to quantify inspirational intuition. With the help of a principal component analysis, central influencing factors of intuitive competence are elaborated and made more accessible for companies. Inspirational intuition supports the controller in his new role as Change Agent and Crea Scout. The design of forward-looking innovation processes is becoming a decisive factor for success. Intuitive knowledge generation retains its unique significance, especially in the age of artificial intelligence.

1 Introduction

Intuition opens up an inexhaustible additional reservoir for us, and only by developing our logic and intuition equally. In the age of artificial intelligence and machine learning, logic and algorithms seem to count above all. Human intuition as an effective gateway to new knowledge could be lost more and more.

The aim of this extended abstract is to demonstrate the importance of inspirational intuition for the generation of new knowledge. The identification and use of inspirational intuition will be supported by a designed Inspirational Knowledge Imagination-Inventory (IKII-10).

2 Material and Methods

Qualitative research should be used to extract central determinants of intuition that help to concretize and evaluate intuitive competencies. Objective data can be collected by means of a questionnaire and a validated self-assessment test procedure (see figure 1).

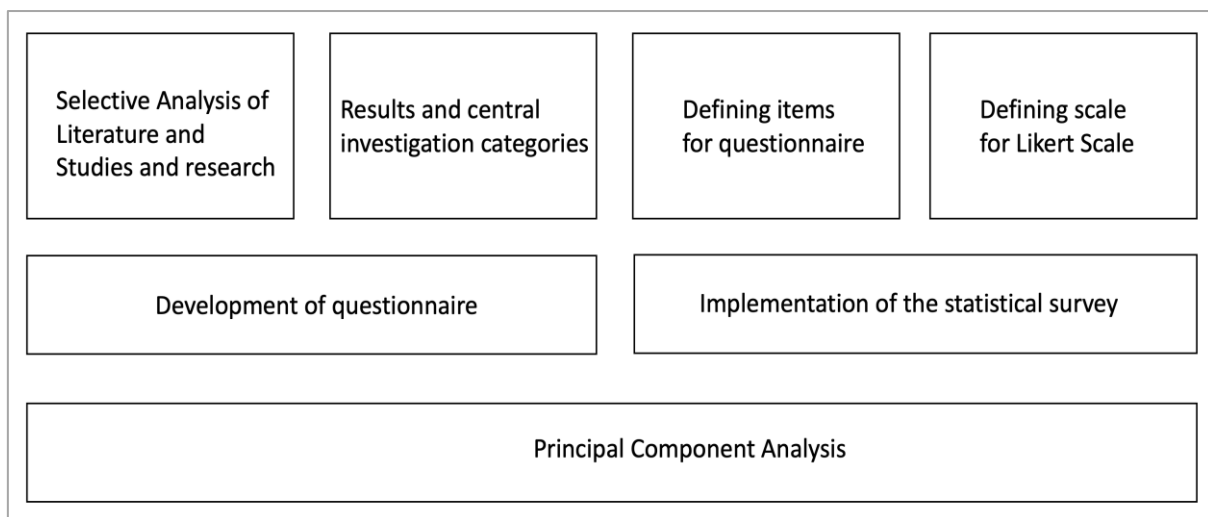


Figure 1: Investigation Design

The realization that new knowledge arises in a process with several changes between conscious and unconscious phases also proved to be central. Wallas formulated his Systematic Theory of Creative Thinking and divided the entire process into the phases of preparation, incubation, illumination and realization (Wallas 1926, p. 10).

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Holistically-affective items of intuition:

I listen carefully to my deepest feelings. (Betsch 2005, part III, p. 61 (No. 2)).

I believe in trusting my hunches. (Epstein / Pacini / Denes-Raj / Heier 1996, p. 399).

I trust my initial feelings about people. (Epstein / Pacini / Denes-Raj / Heier 1996, p. 399).

Personal items of intuition:

I am curious about many different things. (John 1991, p. 70, (No. 10)).

I like emotional situations, discussions, and movies. (Betsch 2005, part III, p. 61, (No. 19)).

Inspirational-imaginary items of intuition:

I perceive my inner plurality, my inner voices and role models. Especially my intuitive inspirations.

In the inner silence I feel the unity with all people, with all creation and with universal spirituality. (Grün 2017).

Creativity is a process. I know about the enormous importance of unconscious incubation and the trust in intuition.

I think holistically and love systemic harmony

I think in pictures and have a strong imagination.

The following figure summarizes the Inspirational Knowledge Imagination Inventory (IKII) consisting of a statement part with 10 items and the corresponding evaluation using a five-step Likert scaling (see figure 2).

Questionnaire Inspirational Knowledge Imagination-Inventory (IKII10)		Disagree strongly	Disagree a little	Neither agree nor not agree	Agree a little	Agree strongly
No.		1	2	3	4	5
1	I listen carefully to my deepest feelings.					
2	I believe in trusting my hunches.					
3	I trust my initial feelings about people.					
4	I am curious about many different things.					
5	I like emotional situations, discussions, and movies.					
6	I perceive my inner plurality, my inner voices and role models. Especially my intuitive inspirations.					
7	In the inner silence I feel the unity with all people, with all creation and with universal spirituality.					
8	Creativity is a process. I know about the enormous importance of unconscious incubation and the trust in intuition.					
9	I think holistically and love systemic harmony					
10	I think in pictures and have a strong imagination.					
<p>Instructions: Please answer the above questions regarding to your intuitive competence. Your answer should correspond to your ability to develop an inspirational knowledge imagination.</p> <p>1 means that you strongly disagree; 5 means that you are strongly agree.</p>						
Version 1-2020						

Figure 2: Inspirational Knowledge Imagination-Inventory (IKII-10)

A sample of 318 items was taken to determine the statistical core statements regarding the Inspirational Knowledge Imagination inventory.

3 Main Results – System 3 our inspirational nucleus

As a result of the selective analysis, on the one hand, the essential definitional characteristics of intuition as well as central individual styles of perception and processing information became apparent. It became clear that beyond the 2-system thinking according to Kahneman, hypothetically a third system seems necessary to do justice to the inspirational-imaginary side of intuition (see figure 3).

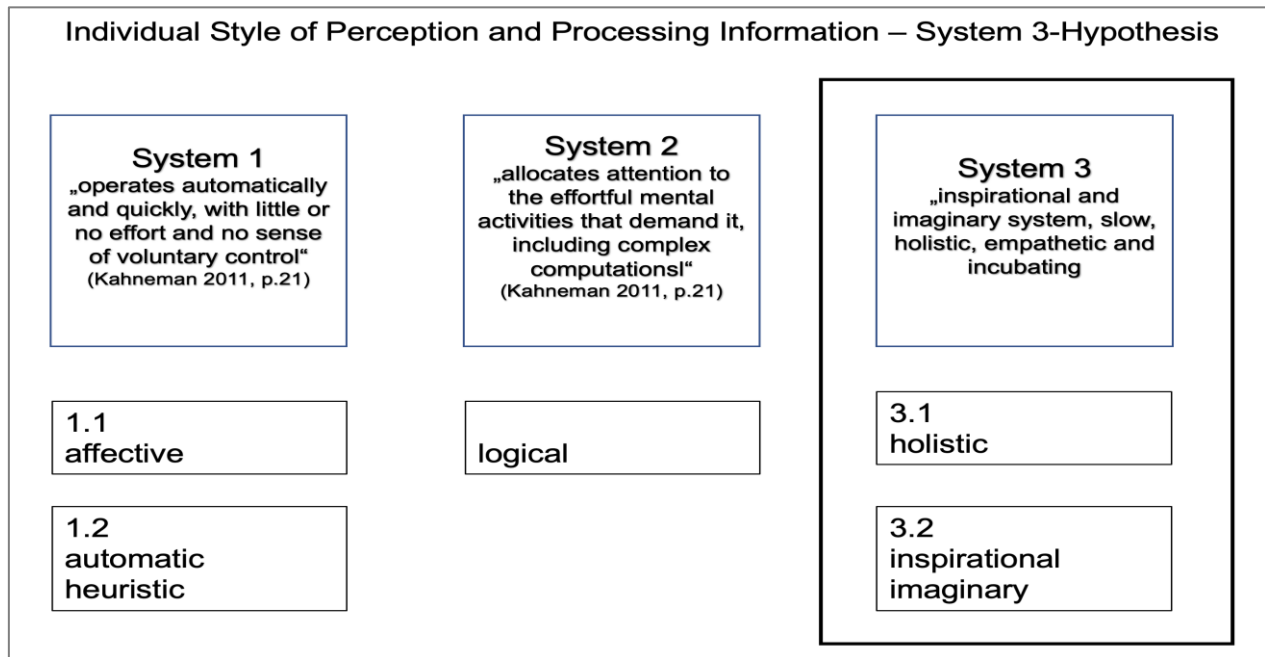


Figure 3: System3-Hypothesis – inspirational and imaginary system

System 3, as an inspirational, imaginary intuition that works slowly, holistically, empathetically and incubational. It manages to create something really new and detached from previous knowledge, to create new knowledge. In contrast to Kahneman's System 1, which acts quickly and affective, the effect of System 3 unfolds gradually and over time. The mental models System 1 and System 2 primarily serve to acquire, apply and change existing knowledge, whereas System 3 aims at the inspirational creation of completely new knowledge.

With the developed questionnaire, ten questions were asked to determine the intuitive competence, which is hypothetically assumed to be relevant for an inspirational knowledge imagination. With the three clusters, the assignment between variables and main components can be derived (see figure 4).

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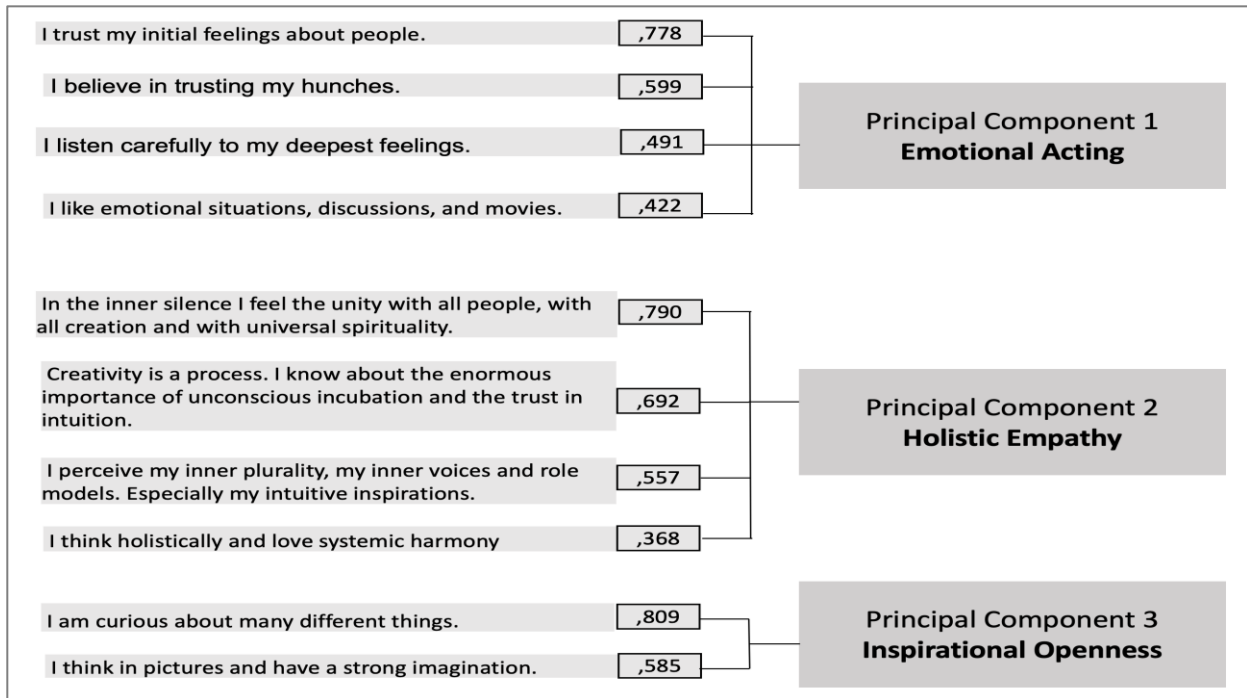


Figure 4: Assignment of variables and extracted components IIKI-10

4 Discussion and Conclusion

Intuition is an important and unique human competence (Müller / Rippel (2011), pp. 117-125). This ability has a high significance in the context of human judgment and decision making. Intuition is also a key success factor in the field of inspirational intuitive knowledge imagination. The system 1 described by Kahneman, as fast intuitive feeling and thinking, only partially describes the broad facet of human intuition. Rather, we also possess an inspirational intuitive system 3. This system 3 embodies our slow, creative intuition that works incubational and illuminatively in secret. Future options for the companies open up from the intuitive power and imagination. The controller as change agent and crea scout strengthens the inspirational intuition of the employees and supports and moderates the generation of new knowledge. This reveals a new and important future task for controlling. Inventions spring from the intuitive power of the company as the basis for innovations. This power must be developed and controlled. (see figure 5).

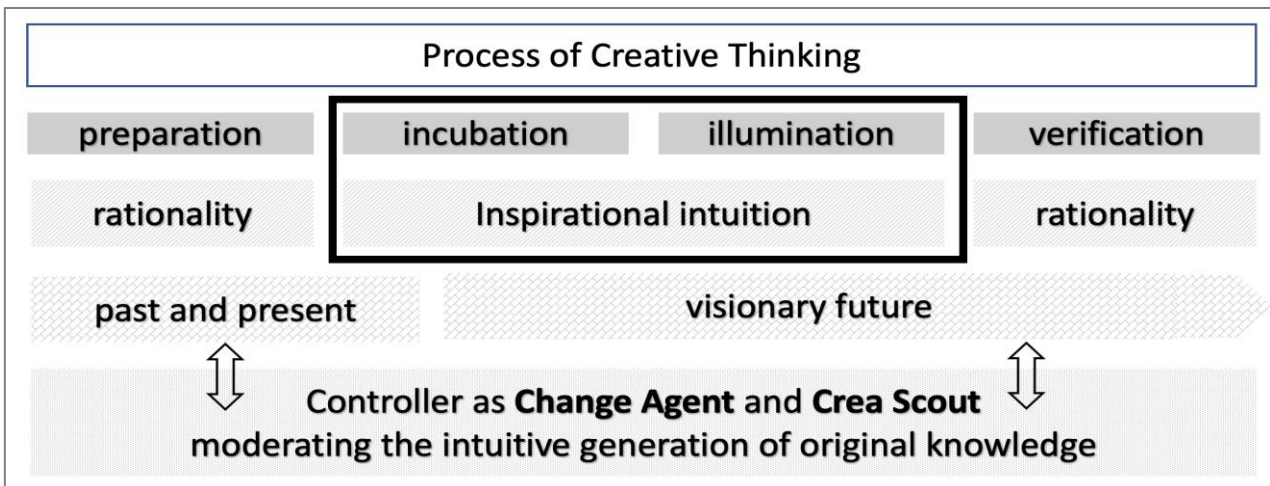


Figure 5: New and important role of the controller as Change Agent and Crea-Scout

Finalizing find the central research questions and core statements of the article presented below:

How is intuition differentiated in terms of definition and terms of content?

- A variety of definitional approaches exist.
- Central characteristics of intuition are: unconscious processes, affective concomitants, creativity, heuristics, quick judgment and decision making.
- Known approach of Kahneman: System 1 / quick thinking.
- A definitional and scientific gap appeared as a research approach in the field of inspirational intuition.

Which central determining variables characterize intuitive competence?

- Traditional intuitive research areas revealed: unconscious processes, personality traits, judgment and decision making, heuristics, affective action.
- New central content: role of intuition for Inspirational Knowledge Imagination; important role of inspirational intuition for slow knowledge generation (System 3).
- Three central components of inspirational intuition: Emotional Acting, Holistic Empathy, Inspirational Openness.
- New and important role of the controller as change agent and crea scout.

Is the developed questionnaire a reliable instrument to measure intuitive competence for inspirational knowledge imagination?

- The result is a reliable and valid inventory that captures individual differences in the capacity for inspirational knowledge imagination.
- Long version: IKII-10 with 10 questions (4 questions regarding Principal Component 1: Emotional Acting / 4 questions regarding Principal Component 2: Holistic Empathy / 2 questions regarding Principal Component 3: Inspirational Openness).
- Inspirational intuition promotes the emergence of inventions and innovations.

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