Odense Congress Center, den 31. august 2017

# Sprogdesign – Derfor (mis)forstår vi hinanden

Kristian Sørensen, /KL.7 Adfærdsdesign

## Indhold



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- Evolution
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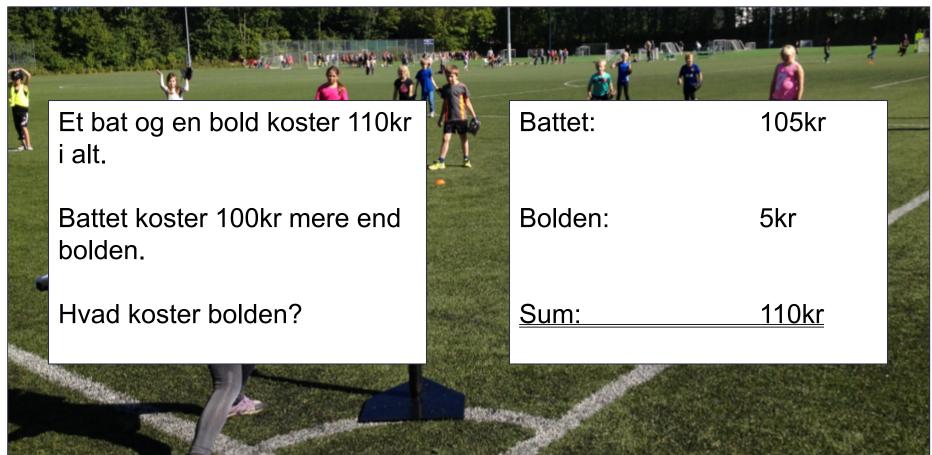






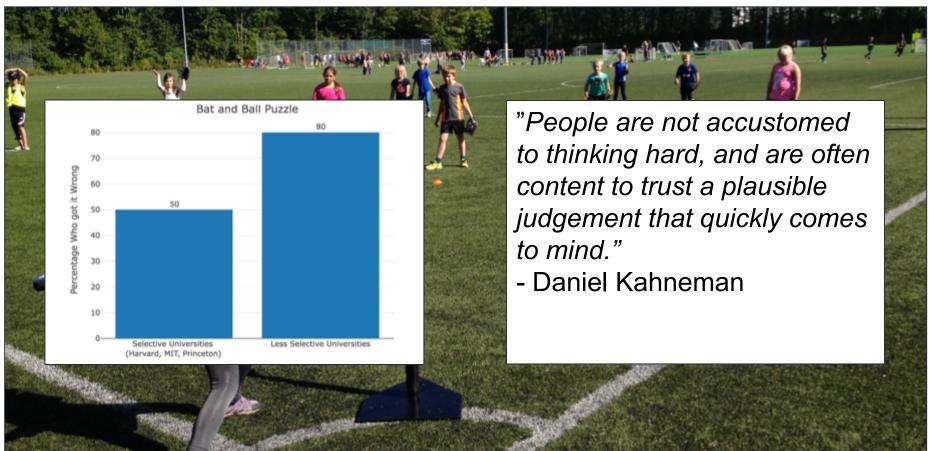
## Hvad koster Bolden?





#### Hvad koster Bolden?









THINKING,

FAST AND SLOW



# DANIEL KAHNEMAN

WINNER OF THE NOBEL PRIZE IN ECONOMICS

"[A] masterpiece... This is one of the greatest and most engaging collections of insights into the human mind I have read." — well as a real also. Financial Fines.





# System 1

Intuitivt

Hurtigt

Automatisk

Billigt i drift

Opfatter mønstre

Online

Varmt



# System 2

Analytisk

Langsomt

Bevidst

Grundigt

Tænker logisk

Offline

Køligt

# Adfærdsøkonomi



# Virkelighed

System 1

Intuitivt

Hurtigt

Automatisk

Opfatter mønstre

2 + 2 = ?

# Forestilling

System 2

Langsomt

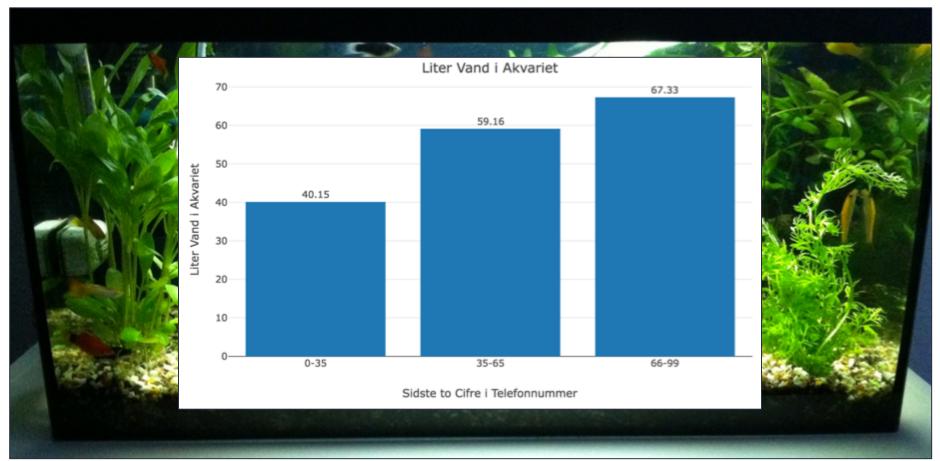
Bevidst

Rationelt

17 x 24 = ?







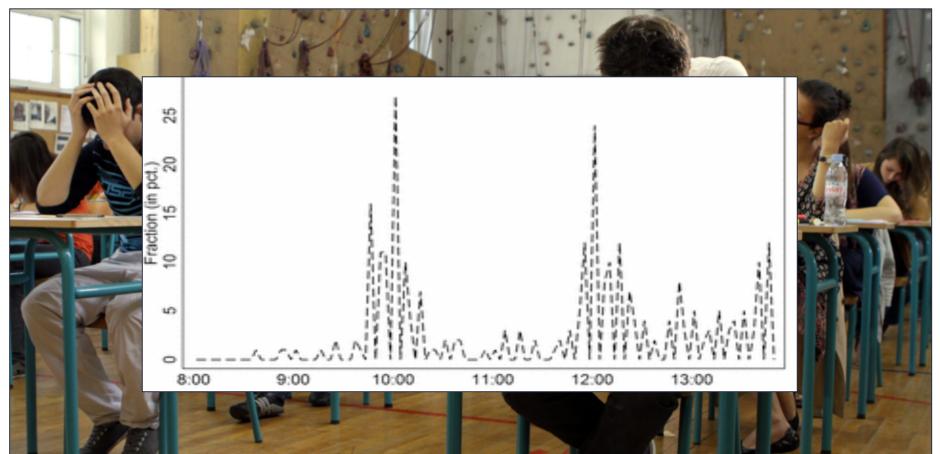
# Mennesker er Energioptimerende



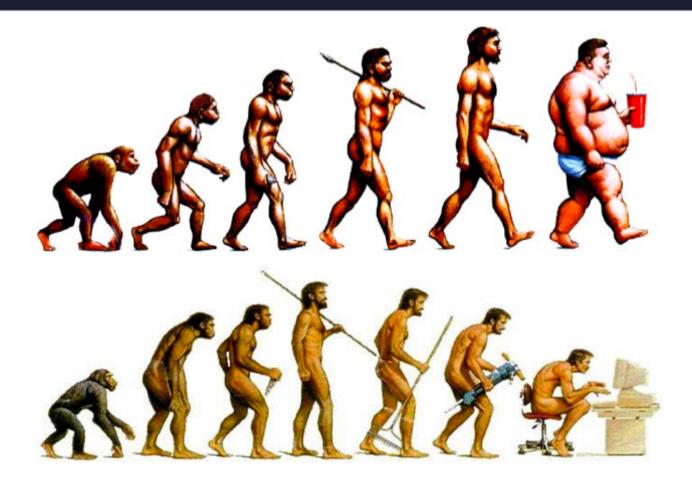


# Mennesker er Energioptimerende

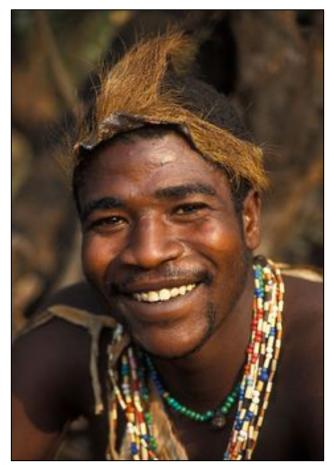






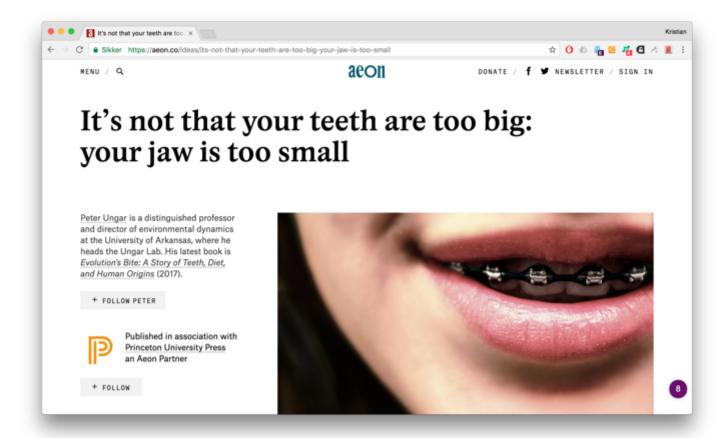




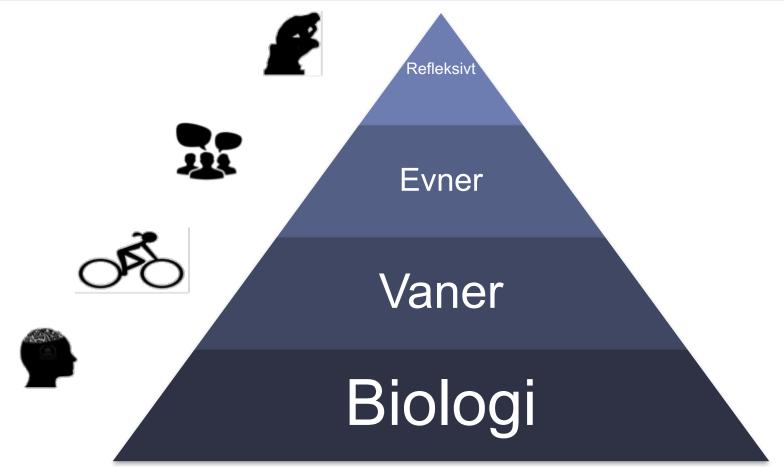






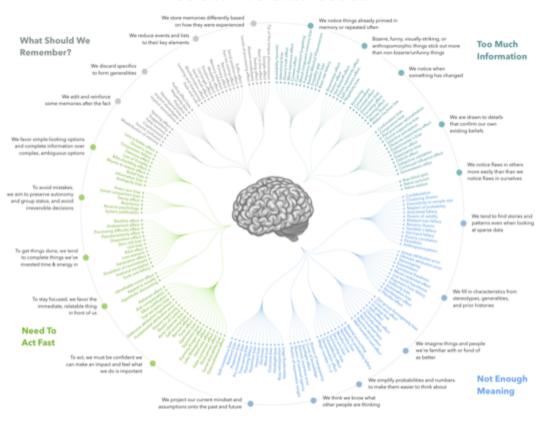






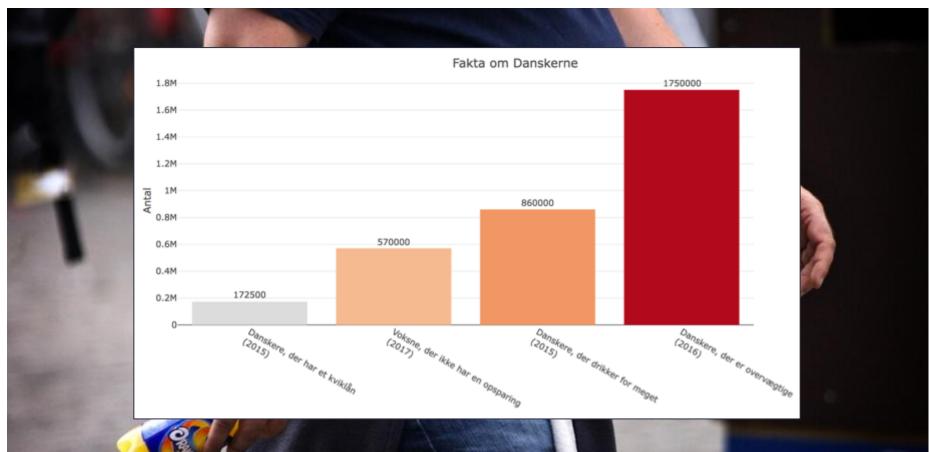


#### COGNITIVE BIAS CODEX



# Danskernes Dårlige Valg



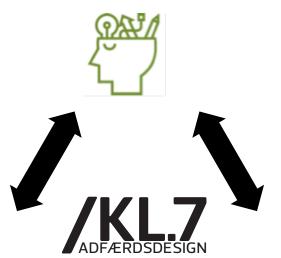








# Adfærdsvidenskab







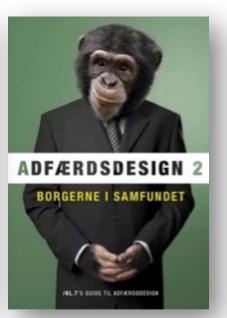


Designmetoder

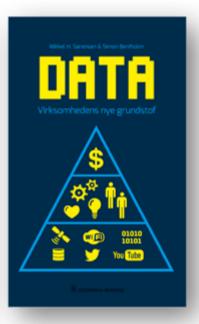
Data











http://kl7.dk/om-kl.7.html#publikationer

# Sprogdesign



A)

Crime is a wild beast preying on the city of Addison. The crime rate in the once peaceful city has steadily increased over the past three years. In fact, these days it seems that crime is lurking in every neighborhood. In 2004, 46,177 crimes were reported compared to more than 55,000 reported in 2007. The rise in violent crime is particularly alarming. In 2004, there were 330 murders in the city. In 2007, there were over 500.

B)

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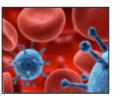
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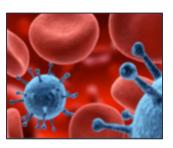
Ustyrlig

Bekæmpes

Stor

Styrke

"Den stærkeste overlever"



Ustyrlig

Bekæmpes

Lille

Forebyggelse

"Den smarteste overlever"



A)

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Underline those passages that had the greatest impact on your decision.



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Har du et lån, hvor renten skal tilpasses 1. april? Den 30-årige rente er helt nede på 2%, så det er måske nu, du skal slå til og omlægge til fast rente?

Hvis du vælger et lån med lidt længere løbetid, kan du sidde med en uændret ydelse – og samtidigt få sikkerheden med en fast rente. Kontakt os og hør om dine muligheder.





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Sætter du også vinterdæk på bilen? Eller går til tandlægen, når visdomstanden dunker? De fleste af os husker alt det praktiske, vi skal have styr på i løbet af et år.

Men husker du, at din pension også bør få et servicetjek? Det tager kun én time – og det giver dig tryghed resten af livet.



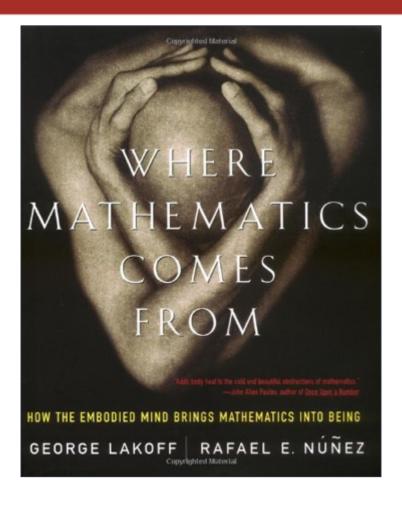


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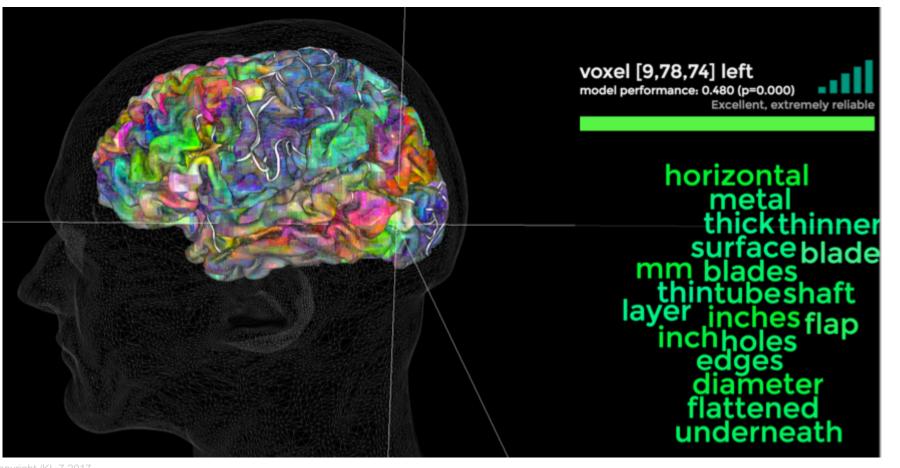
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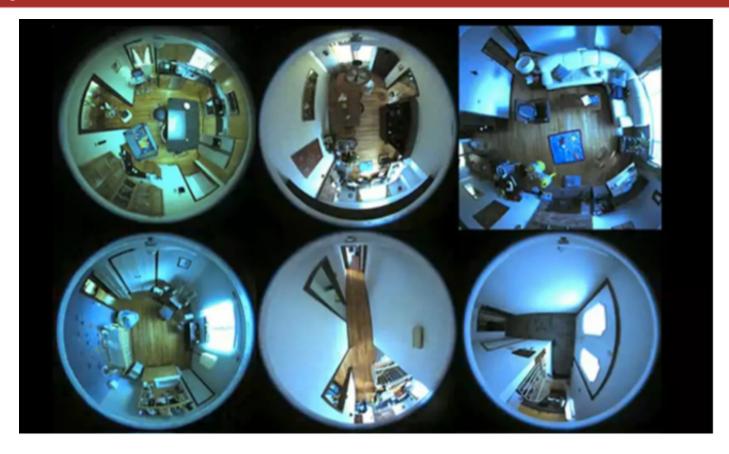




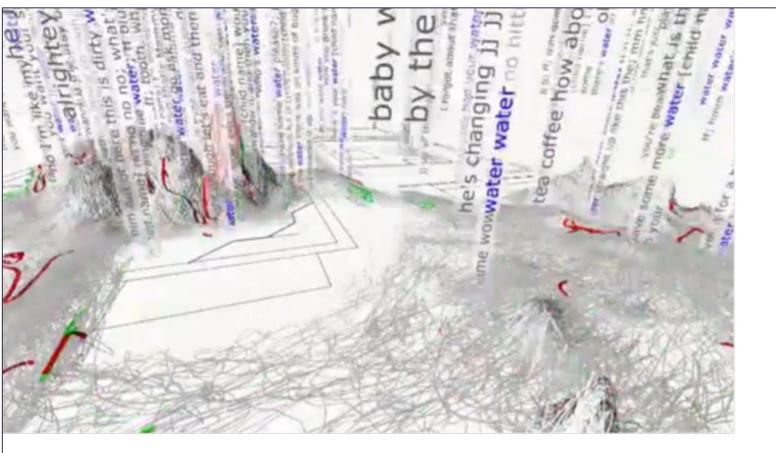












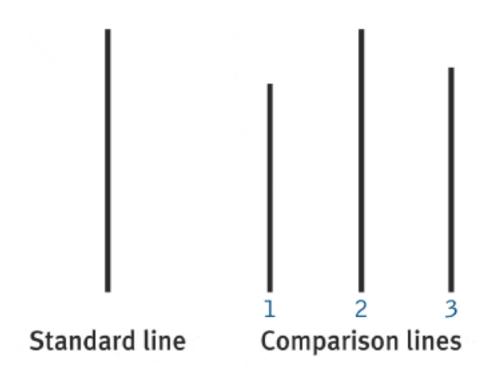




Deb Roy: The birth of a word

# Samarbejde og Misforståelser



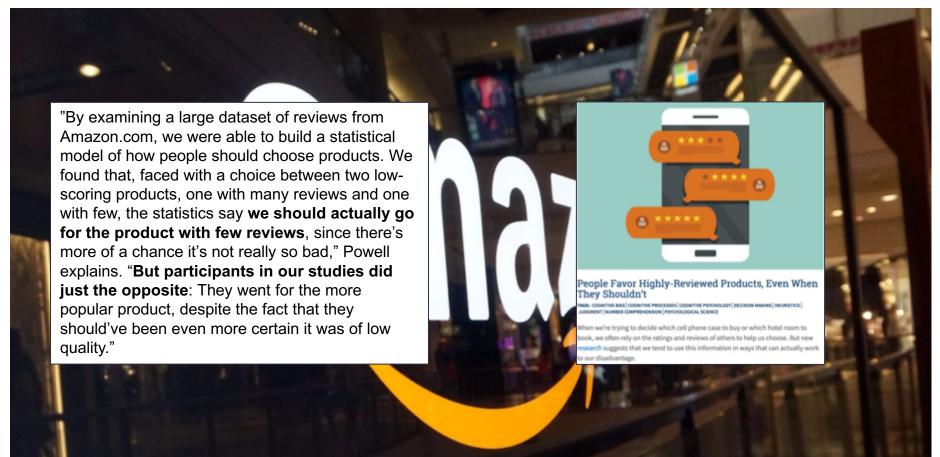


### Sociale Normer













Be careful when you blindly follow the Masses... sometimes the 'M' is silent.

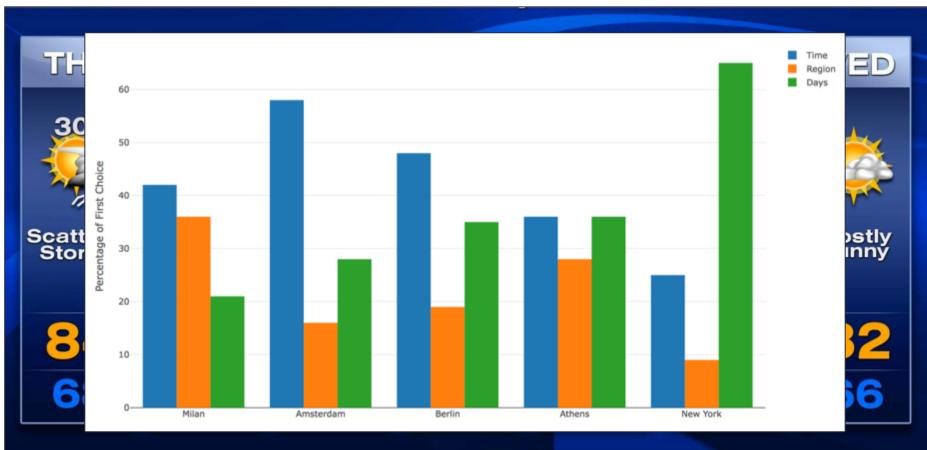












## Sprog og Samarbejde



#### Agreeing is not enough

The constructive role of miscommunication

Johanne Stege Bjørndahl<sup>1,2</sup>, Riccardo Fusaroli<sup>1,2</sup>, Svend Østergaard<sup>1</sup> & Kristian Tylén<sup>1,2</sup>

<sup>1</sup>Center for Semiotics, Department for Aesthetics and Communication, Aarhus University / 2The Interacting Minds Centre, Department of Culture and Society, Aarhus University, Denmark

Collaborative interaction pervades many everyday practices: work meetings, innovation and product design, education and arts. Previous studies have pointed to the central role of acknowledgement and acceptance for the success of joint action, by creating affiliation and signaling understanding. We argue that various forms of explicit miscommunication are just as critical to challenge, negotiate and integrate individual contributions in collaborative creative activities. Through qualitative microanalysis of spontaneous coordination in collective creative LEGO constructions, we individuate three interactional styles: inclusive, characterized by acknowledgment and praise; instructional, characterized by self-repair; and integrative, characterized by widespread self- and other-repair. We then investigate how different interaction styles leave distinct material traces in the resulting LEGO models. The inclusive interaction style generally results in concatenations of individual contributions with little coherence and core narrative. The instructional style produces coherent, but largely individually driven models. Finally, the integrative style generates more innovative models, synthesizing individual contributions in shared narratives or schemas.

Keywords: distributed Cognition; miscommunication; collaboration; creativity

#### 1. Introduction

Many organizations, corporations and professions rely on the abilities of groups to collaborate on creative problem solving and these activities are regarded as central and valuable in the construction or design of new concepts, processes and products (Hargadon & Bechky, 2006; Nijstad & De Dreu, 2002; Sutton & Hargadon, 1996). However such activities can have a wide variety of outcomes. Sometimes

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#### Psychological Science OnlineFirst, published on July 17, 2012 as doi:10.1177/0956797612436816



Research Article

#### Coming to Terms: Quantifying the **Benefits of Linguistic Coordination**

Psychological Science XX(X) 1-9 Reprints and permission: sagepub.com/journalsPermissions.nav DOI: 10.1177/0956797612436816 http://pss.sagepub.com \$SAGE

Riccardo Fusaroli<sup>1,2</sup>, Bahador Bahrami<sup>2,3,4</sup>, Karsten Olsen<sup>2</sup>, Andreas Roepstorff<sup>2</sup>, Geraint Rees<sup>3,4</sup>, Chris Frith<sup>2,4</sup>, and Kristian Tylén<sup>1,2</sup>

<sup>1</sup>Center for Semiotics, Institute of Aesthetics and Communication, Aarhus University; <sup>2</sup>The Interacting Minds Project. Center for Functionally Integrative Neuroscience, Aarhus University: 3Institute of Cognitive Neuroscience, University College London; and Wellcome Trust Centre for Neuroimaging, Institute of Neurology, University College London

#### Abstract

Sharing a public language facilitates particularly efficient forms of joint perception and action by giving interlocutors refined tools for directing attention and aligning conceptual models and action. We hypothesized that interlocutors who flexibly align their linguistic practices and converge on a shared language will improve their cooperative performance on joint tasks. To test this prediction, we employed a novel experimental design, in which pairs of participants cooperated linguistically to solve a perceptual task. We found that dyad members generally showed a high propensity to adapt to each other's linguistic practices. However, although general linguistic alignment did not have a positive effect on performance, the alignment of particular task-relevant vocabularies strongly correlated with collective performance. In other words, the more dyad members selectively aligned linguistic tools fit for the task, the better they performed. Our work thus uncovers the interplay between social dynamics and sensitivity to task affordances in successful cooperation.

language, social interaction, problem solving, cooperation, psycholinguistics

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involved in many aspects of human social interaction, such allowed for a quantification of linguistic alignment as well as its as coordination and learning, cultural evolution, and group effects on social coordination, which made it possible to test cohesion (Chartrand & van Baaren, 2009; Mesoudi, 2009; hypotheses related to the dynamics of linguistic alignment and Tomasello, 1999). Likewise, mimicry is a characteristic of social coordination. human language: Interlocutors have been found to mutually adapt to each other's linguistic behaviors (Fusaroli & Tylén, 2012; Pickering & Garrod, 2004). Such linguistic alignment has been shown to facilitate the development and stabilization Previous studies have indicated that linguistic alignment

However, although previous research has emphasized the existence of linguistic alignment (Gries, 2005; Pickering & Ferreira, 2008) and its general role in social coordination (Pickering & Garrod, 2004), a more detailed understanding and articulation of the interplay of linguistic alignment and coordination mechanisms is still to be elaborated. In the experiment E-mail: kristian@cfin.dk

It has been argued that, as a distinctive human trait, mimicry is reported here, we presented an experimental paradigm that

#### General Versus Selective Alignment

of linguistic vocabularies employed to achieve joint problem is motivated by structural priming, that is, the automated repsolving and coordination (Garrod & Anderson, 1987; Garrod etition of linguistic forms across interlocutors (Pickering & & Doherty, 1994; Garrod & Pickering, 2009; Healey & Mills, Ferreira, 2008). Listening to a linguistic form is thought to 2006). Thus, it can be considered one of the mechanisms activate the structures necessary to produce it. Thus, interlocuthrough which language comes to act as a device for social tors engage in reciprocal and continuous priming that leads coordination (Clark, 1996; Tylén, Weed, Wallentin, Roepstorff, them to not only mirror each other's speech locally but gradually converge on a shared set of linguistic expressions, a common language (Pickering & Garrod, 2004). It has been

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# Afrunding

## Afrunding



### Mennesker er:

- sjældent rationelle
- altid energioptimerende

## **Metaforer og erfaringsrammer**:

 bestemmer, hvordan vi tænker og får mening ud af ord

## Succesfuldt samarbejde opstår, når:

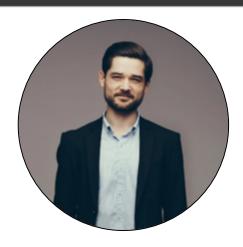
- der bliver stillet spørgsmålstegn ved de mest basale antagelser
- der bliver givet eksplicit udtryk for misforståelser





# Kontaktoplysninger





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