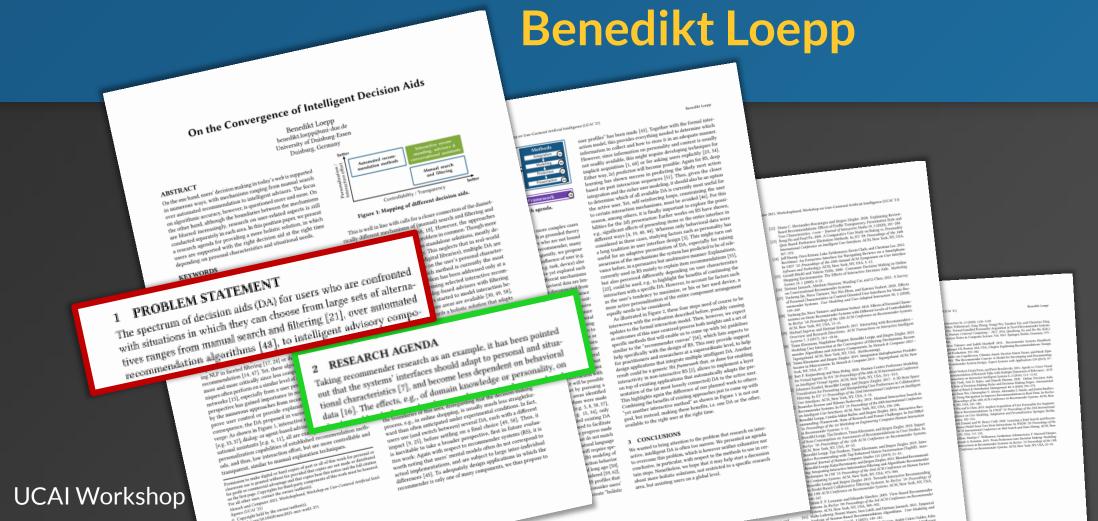
ON THE CONVERGENCE OF INTELLIGENT DECISION AIDS

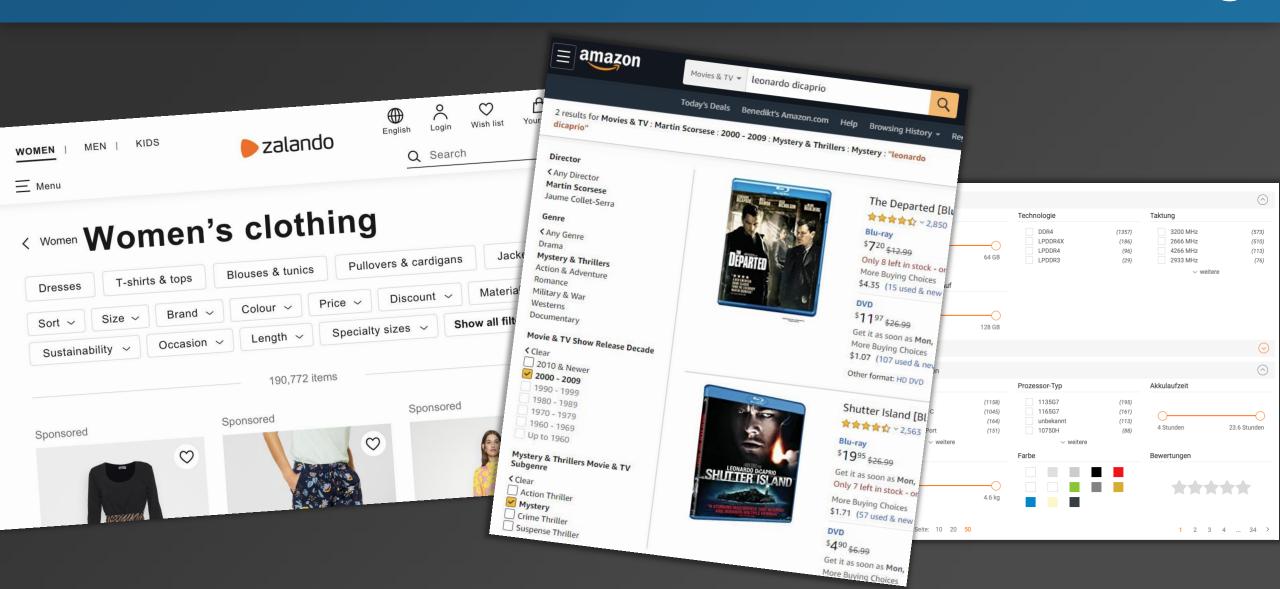
Benedikt Loepp



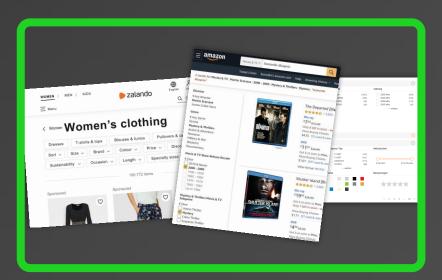
ON THE CONVERGENCE OF INTELLIGENT DECISION AIDS



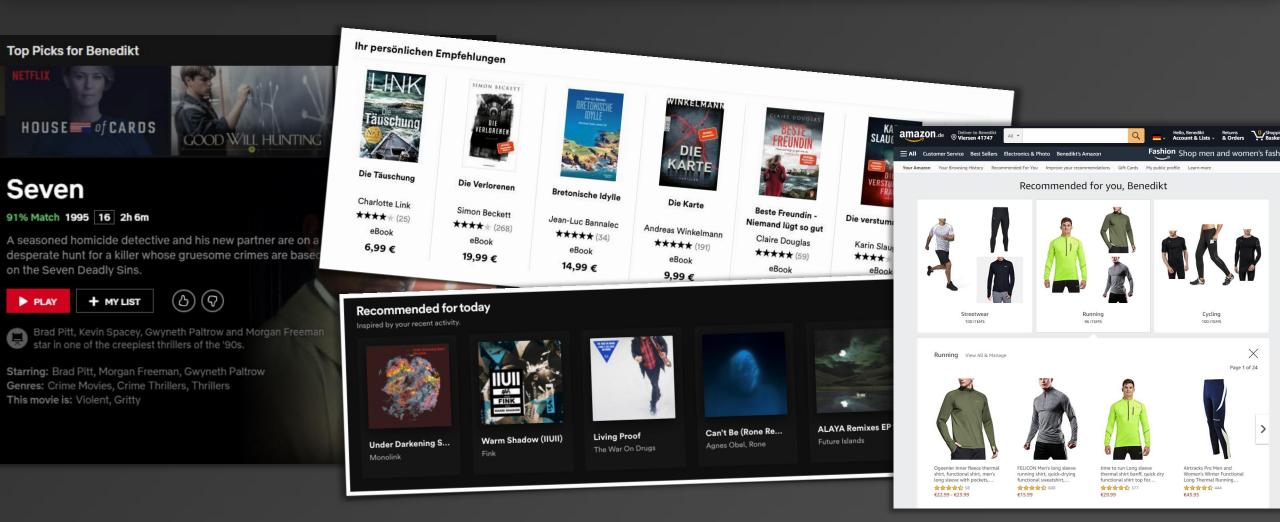
Manual search and filtering



Manual search and filtering



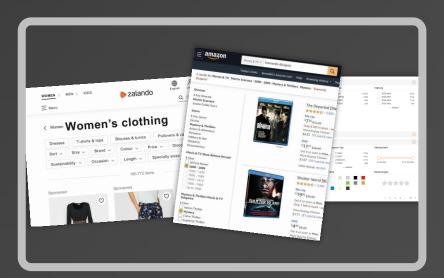
Automated recommendation



Personalization Personalization teraction effort

Automated recommendation





Interactive recommending

John's music →



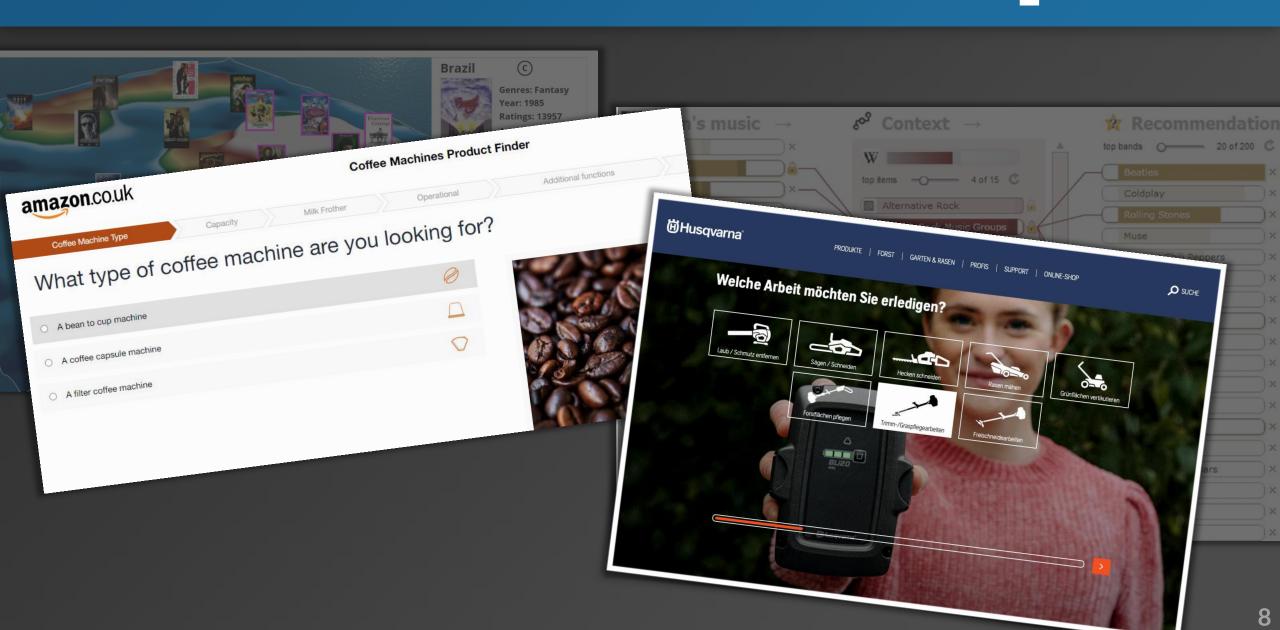
top bands O 20 of 200 C Coldplay Alternative Rock Rolling Stones English Rock Music Groups Prodigy Muse Guitar Velvet Underground Red Hot Chili Peppers Grammy Award Winners Johnny Cash Nirvana Andrea Bocelli Daft Punk Green Day Radiohead Tom Waits Metallica Phily O Donovan Thin Lizzy Michael Jackson John Kilbride Orbital Lenny Kravitz Corrado Carta Kraftwerk Foo Fighters Nicola Hunt Killers Oasis Doors (d) Nine Inch Nails Gary Jules 30 Seconds To Mars Cranberries Arctic Monkeys \times (c) Kings Of Leon @ckrechting Beatsteaks Vampire Weekend X @Heroine Bob Ok Go

6 Context →

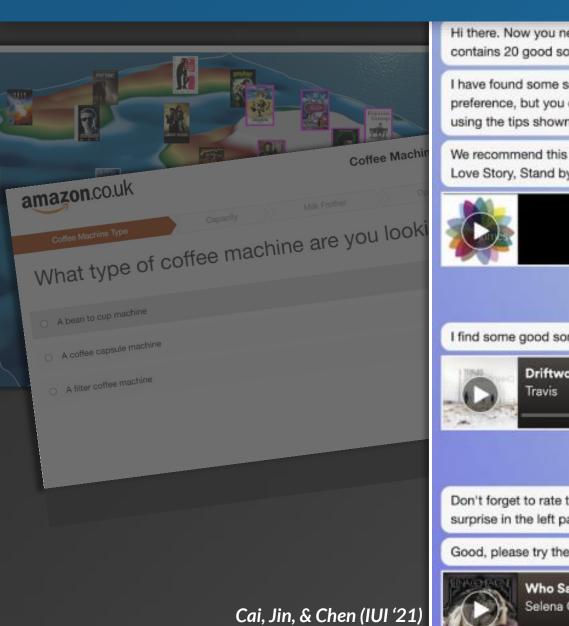
Bostandjiev & O'Donovan, & Höllerer (RecSys '12)

Recommendation

... and other recent developments



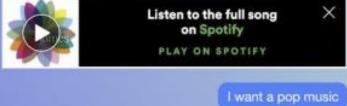
... and other recent developments



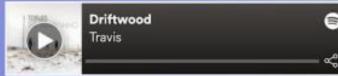
Hi there. Now you need to create a playlist that contains 20 good songs.

I have found some songs for you based on your preference, but you can also search for other songs by using the tips shown on the right side.

We recommend this song because you like the songs Love Story, Stand by Me.



I find some good songs related to pop

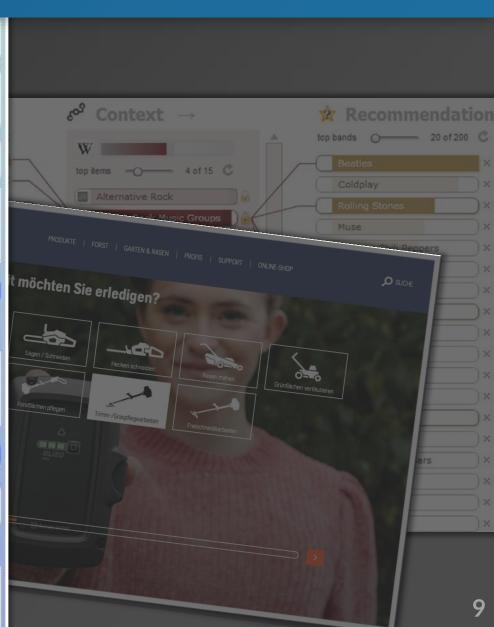


l like this song.

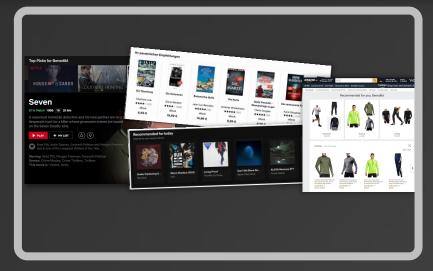
Don't forget to rate the song in terms of pleasant surprise in the left panel.

Good, please try the next song.

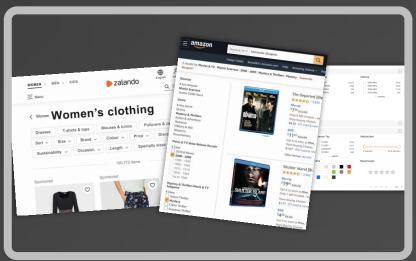




Personalization effort ... and other recent developments







What is the problem?

2010 & Newer





Shutter Island ★★★★☆ ~ 2,

Blu-ray

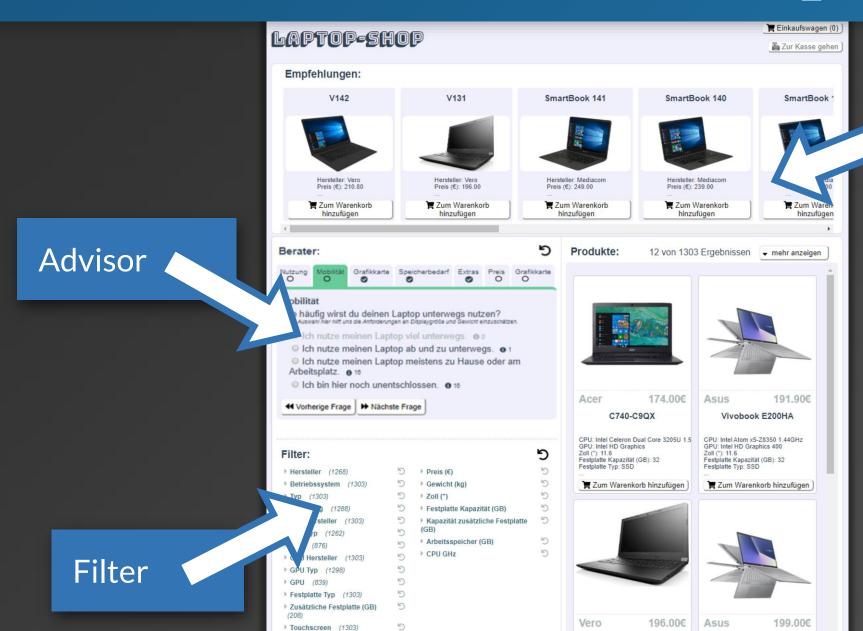
\$1995 \$26.99 Get it as soon as M

Women's Win

Long Thermal Ru

会会会会会 444

User perspective?



Recommendations

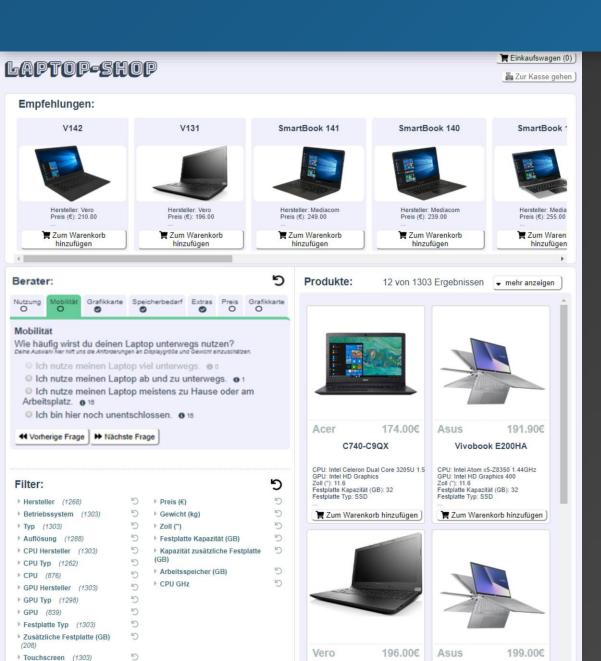
User perspective?

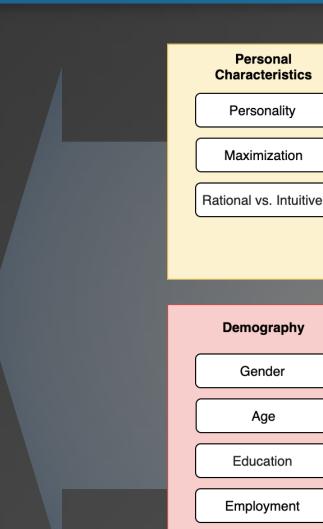
Personal

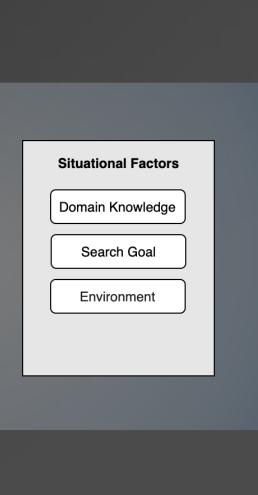
Gender

Age

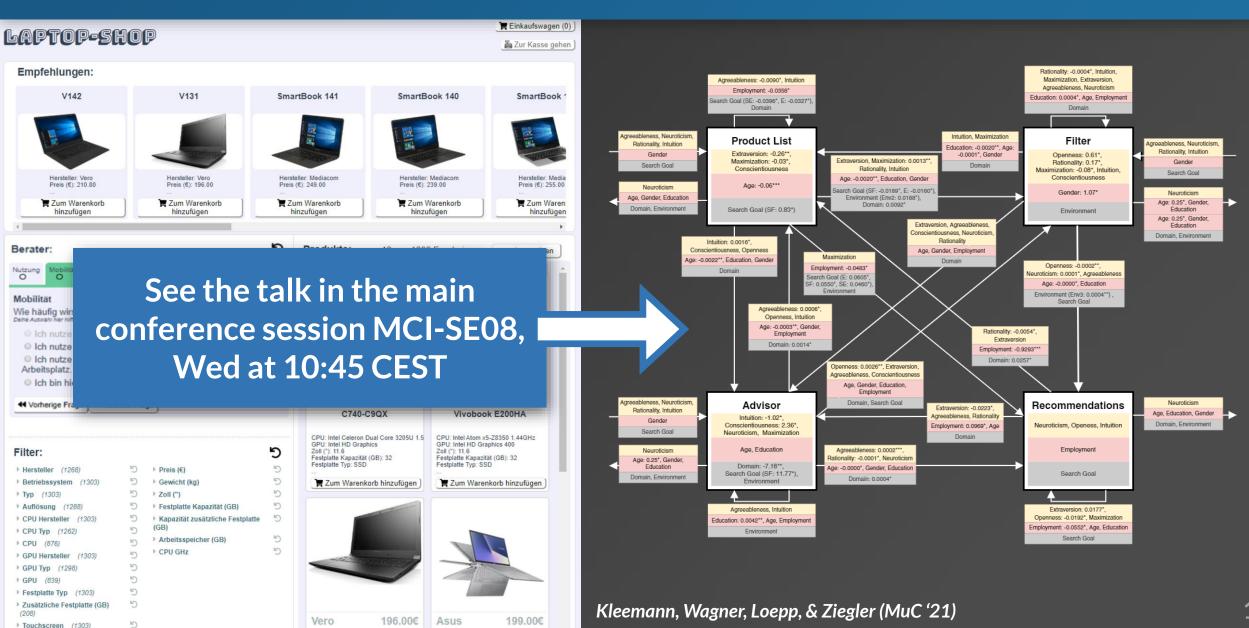
Education



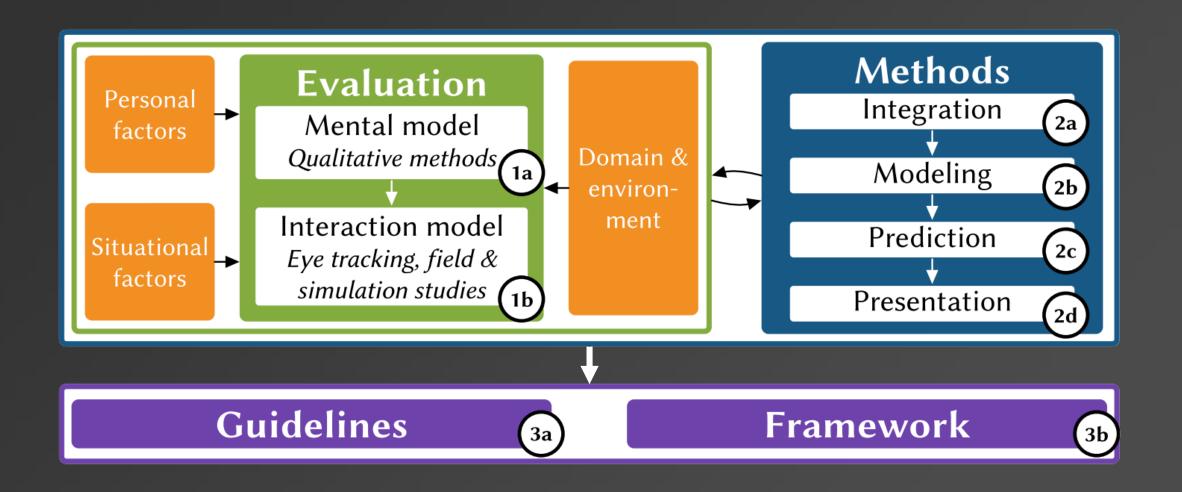




User perspective?

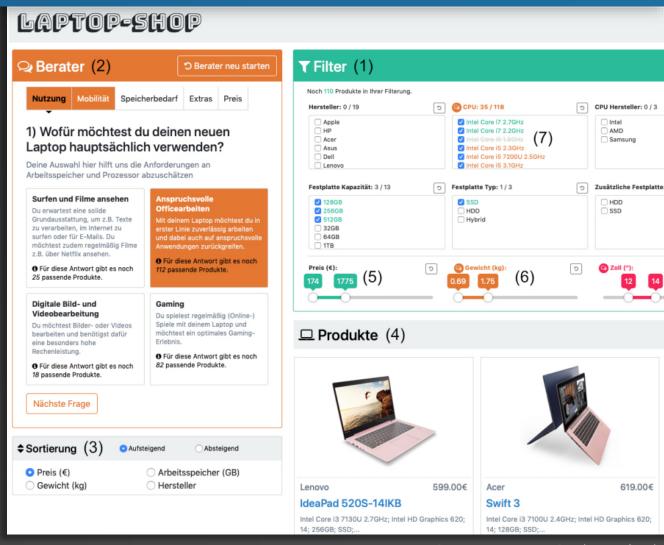


Research agenda





Combinations?



Kleemann & Ziegler (MuC '19)

Research agenda

