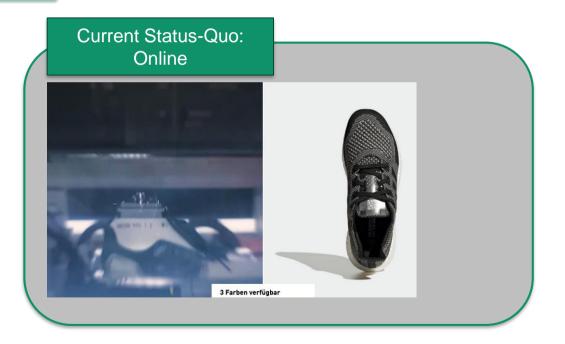


ABOUT THIS (ON-GOING) STUDY



Scenario





1 MOTIVATION (1/2)





Consumers report to buy sustainable products





Sustainable products are **actually** bought substantially **less often** than consumer reports suggest

Intention-Behavior Gap

(Carrington et al. 2014)



One of the main reasons identified by literature: lack of information

(Davies et al. 2012, 45; McNeill und Moore 2015, 219; Wiederhold und Martinez 2018, 424)

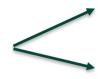
However: is it really a lack of information or just how information is presented (i.e., the format of providing information; see Goodarzi et al. 2021)?



RQ1: To what extend do sustainability information provided by *QR-codes* improve the *product evaluation* of clothing compared with conventional information on the product label?

RQ2: To what extend do sustainability information provided by *QR-codes* increase the *purchase intention* of clothing compared with conventional information on the product label?

Between-subjects experimental design



Control group: Sustainability information on *conventional product labels*

Experimental group: Sustainability information *obtained via QR-code*

Procedure:



- **Sampling:** Student sample from a mid-sized city (in Germany)
- Product: generic, white basic t-shirt
 - High generalizability
 - Including price tag → Increasing closeness to reality + based on the mean price of the largest clothing retailers
 - Without brand → Preventing bias + scenario: within favorite shop (→ offers preferred brands)

3 METHOD

SCENARIO AND LABORATORY EXPERIMENT



You are currently considering to potentially buy a **white basic t-shirt** once again.

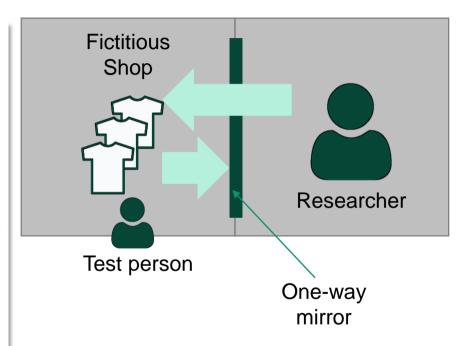
Searching for this t-shirt, you are visiting your local favorite apparel store.

Please imagine that the room in front of you is a department in **your favorite apparel store**, in which the t-shirts are exhibited.

I would like to ask you to inform yourself about the exhibited t-shirts to that extent that you can decide in favor for or against a purchase.

You can also make use of the changing room in the corner on the left.

After having made the decision, please leave the room.



3 METHOD STIMULUS

BIOTEXFUTURE

Größe: S 100% Biobaumwolle

Nachhaltigkeitsinformationen

- Unterstützung von Kleinbauern bei der Einführung regenerativer Anbaumethoden.
- Reduzierung von gesundheitsschädlichen Chemikalien,
 Pestiziden und reglementierten
 Schadstoffen. Sowie Wiederverwendung oder Aufbereitung von kontrollierter
 Chemie.
- Reduzierung von Wasser und Emissionen sowie der Erhöhung der Wiederverwendung.
- GOTS-Zertifizierung zur Gewährleistung von ökologischen und sozialen Mindeststandards entlang der gesamten Lieferkette.

10,30€



10,30€

Source: Own illustration

- → Size
- Material
- → Sustainability information:
 - Supporting manufacturers in introducing regenerative methods of cultivation.
 - Reducing harmful chemicals, pesticides, and pollutants, as well as re-using and processing of controlled chemical products.
 - Reducing the water use and emissions, as well as increasing the amount of re-usage.
 - GOTS certification for ensuring minimum levels of ecological and social standards along the entire value chain.



4 RESULTS



n=122 test persons → Data cleansing: n=114 (n=8 did not scan the QR-code)

	Group			
	Control	Experimental		
	group	group		
	M_{rank}	M_{rank}	U, p-value	Effect size
	(n=61)	(n=51)		
Product	46.08	70.64	U=920;	r=.29
evaluation	40.00	70.04	p=.001	1=.23
Purchase			U=1017;	
intention	47.68	68.80	p<.001	r=.32

Findings

The sustainable t-shirt is evaluated more positive by the experimental group than by the control group.

The purchase intention for the sustainable t-shirt is increased for the experimental group compared with the control group.

5 EXECUTIVE SUMMARY





RESULTS

Consumers
evaluate
sustainable textiles
significantly better
if sustainability
information is
provided by a video
instead of textual
information.



Consumer willingly scan QR codes to uncover additional sustainability information about textiles (87%).



Consumers express an increased purchase intentions if sustainability information are provided by a video instead of textual information.



Improved product evaluation and increased purchase intention both for male and female consumers (however, slightly weaker effects).



Improved product evaluation and increased purchase intention both for more and less innovative consumers.

IMPLICATIONS

Implement QR codes linking to (product) videos for textiles, which explain the sustainability information in a more appropriate format. To enable the potential of digitalized information (like in online shops) in physical stores, QR codes should be attached to all textiles (and sustainable articles in particular). This way, videos and additional information can be provided to consumers.

To increase sales of sustainable textile, sustainability information should be provided by videos (related to QR codes).

Implement QR codes for sustainability information both **for men and women** apparel.

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