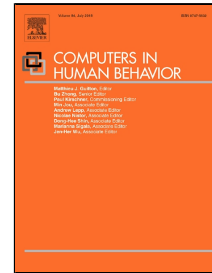


Accepted Manuscript

When cognitive fit outweighs cognitive load: Redundant data labels in charts increase accuracy and speed of information extraction

Tobias Kopp, Matthias Riekert, Sonja Utz



PII: S0747-5632(18)30201-2
DOI: 10.1016/j.chb.2018.04.037
Reference: CHB 5492
To appear in: *Computers in Human Behavior*
Received Date: 16 December 2017
Revised Date: 24 March 2018
Accepted Date: 17 April 2018

Please cite this article as: Tobias Kopp, Matthias Riekert, Sonja Utz, When cognitive fit outweighs cognitive load: Redundant data labels in charts increase accuracy and speed of information extraction, *Computers in Human Behavior* (2018), doi: 10.1016/j.chb.2018.04.037

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

When cognitive fit outweighs cognitive load:

Redundant data labels in charts increase accuracy and speed of information extraction

Tobias Kopp

Institute for Learning and Innovation in Networks (ILIN)

Matthias Riekert

Leibniz-Institut für Wissensmedien, Tübingen

Sonja Utz^{1,2}

¹ Leibniz-Institut für Wissensmedien, Tübingen

² University of Tübingen

Running head: When cognitive fit outweighs cognitive load

Author Note:

Tobias Kopp, Institute for Learning and Innovation in Networks (ILIN), Moltkestr. 30,
76133 Karlsruhe, Germany; Email: tobias.kopp@hs-karlsruhe.de, Tel: +49-721 925-2913

Matthias Riekert, Leibniz-Institut für Wissensmedien, Social Media, Schleichstr. 6,
72076 Tübingen, Germany; Email: m.riekert@iwm-tuebingen.de, Tel: +49-7071 979-369

Sonja Utz, Leibniz-Institut für Wissensmedien, Social Media, Schleichstr. 6, 72076
Tübingen, Germany; Email: s.utz@iwm-tuebingen.de, Tel: +49-7071 979-308

Download English Version:

<https://daneshyari.com/en/article/6835880>

Download Persian Version:

<https://daneshyari.com/article/6835880>

[Daneshyari.com](https://daneshyari.com)