Needs as reference points:

When marginal gains to the poor do not matter

Arne R. Weiss* Alexander M. Bauer[†] Stefan Traub[‡]

Imagine that only the state can meet the need for housing but decides not to do so. Unsurprisingly, participants in a vignette experiment deem this scenario unjust. Hence, justice ratings increase when the living situation improves. To a lesser extent, this also holds beyond the need threshold, understood as the minimum amount necessary for a decent life. Surprisingly, however, the justice evaluation function is highly convex below this point. The resulting S-shaped curve is akin to the value function in prospect theory, with the need threshold providing the point of reference and inflection. A control treatment without needsinformation supports this interpretation. Needs-information furthermore compresses the perceived injustice of arbitrary inequality. As in prospect theory, such reference dependency suggests biases in judgment and decision making. A consequence may be that the lot of the poorest in society does not receive the attention it would otherwise get.

Keywords: Needs, Justice, Vignette experiment, Reference dependency

Acknowledgments: We are indebted to the support and input throughout all project phases by Jan Romann, Nils Springhorn and Mark Siebel. We also thank James Konow, Jakob Koscholke, Michael Schippers, Thomas Schramme, and Kai Spiekermann, as well as participants at DFG research group 2104 meetings, the Philosophical colloquium in Oldenburg, the CEREB colloquium in Erfurt, IMEBESS 2017 in Barcelona as well as the ESA World Meeting 2017 in San Diego for helpful discussions. Funding by the German Science Foundation (DFG Grant SI 1731/2-1) is gratefully acknowledged.

^{*}DFG Research Group 2104, Carl von Ossietzky University of Oldenburg, Institute of Philosophy, Ammerländer Heerstraße 136, D-26129 Oldenburg, Germany; Correspondance to arne.weiss@uni-oldenburg.de

[†]Department of Economics, Helmut Schmidt University, Hamburg & DFG Research Group 2104, Carl von Ossietzky University University of Oldenburg, Institute of Philosophy

 $^{^{\}ddagger}$ Department of Economics, Helmut Schmidt University, Hamburg & DFG Research Group 2104