

OPEN Author Correction: Group size effects and critical mass in public goods games

María Pereda 1,2, Valerio Capraro & Angel Sánchez 2,4,5,6

Correction to: Scientific Reports https://doi.org/10.1038/s41598-019-41988-3, published online 02 April 2019

This Article contains an error in Reference 41.

Peña, J. Group size effects in social evolution. J. Theor. Biol. 457, 211-220 (2018).

should read:

Peña, J. & Nöldeke, G. Group size effects in social evolution. J. Theor. Biol. 457, 211-220 (2018).

As a result, in the Introduction section,

"Thus, Peña considered evolutionary models, finding that the outcome of general nonlinear public goods games depends not only on the average group size but also on the variance of the group-size distribution in case groups are heterogeneous⁴⁰; also, he showed that larger group sizes can have negative effects (by reducing the amount of cooperation in some cases) and positive effects (by enlarging the basin of attraction of more cooperative outcomes) on the evolution of cooperation⁴¹.

should read:

"Thus, Peña considered evolutionary models, finding that the outcome of general nonlinear public goods games depends not only on the average group size but also on the variance of the group-size distribution in case groups are heterogeneous⁴⁰; also, he and Nöldeke showed that larger group sizes can have negative effects (by reducing the amount of cooperation in some cases) and positive effects (by enlarging the basin of attraction of more cooperative outcomes) on the evolution of cooperation⁴¹."

Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons license, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons license and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this license, visit http://creativecommons.org/licenses/by/4.0/.

© The Author(s) 2019

¹Universidad Politécnica de Madrid, Departamento Ingeniería de Organización, Administración de empresas y Estadística, Madrid, Spain. ²Unidad Mixta Interdisciplinar de Comportamiento y Complejidad Social (UMICC S), UC3M-UV-UZ, Leganés, Madrid, Spain. ³Economics Department, Middlesex University London, Business School, The Burroughs, London, NW4 4BT, United Kingdom. 4Grupo Interdisciplinar de Sistemas Complejos, Departamento de Matemáticas, Universidad Carlos III de Madrid, 28911, Leganés, Madrid, Spain. ⁵Institute for Biocomputation and Physics of Complex Systems (BIFI), University of Zaragoza, 50018, Zaragoza, Spain. 6Institute UC3M-BS for Financial Big Data (IBiDat), Universidad Carlos III de Madrid, 28903, Getafe, Madrid, Spain. Correspondence and requests for materials should be addressed to V.C. (email: v.capraro@mdx.ac.uk)

Published online: 03 September 2019