**Title page**

*Title*

Self-Perception of Understanding and the Division of Linguistic Labor

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*Abstract*

In this paper we set out to determine how self-perception of understanding of a word is affected by the Division of Linguistic Labor (DLL). We developed a between-subjects experiment in which participants were required to draw distinctions between two pairs of highly confusable dog breeds. In the treatment group, participants were grouped into dyads and received complementary training (so that each participant became an expert at identifying the two confusable breeds of only one kind of dog) and were allowed to interact with each other by means of the labels of these four dog breeds. We succeeded in capturing several aspects of DLL found in the broader social world. The results of the experiment show that people’s self-perceived understanding was influenced not only by their accuracy at recognizing a word's reference, but also by their perceived knowledge relative to others.

*Keywords*

Community of knowledge; semantic externalism, extended cognition, epistemic dependence, experimental philosophy.

*Declarations*

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Conflicts of interest: The authors manifest that they do not have any conflicting interests in this research.

Availability of data and material: Both data and material are freely available at <https://github.com/EAndrade-Lotero/SPUoDLL> for the data and <https://github.com/Slendercoder/DLL_Eng> for the material.

Code availability: The material is a two-player task implemented in the nodeGame platform and is freely accessible at <https://github.com/Slendercoder/DLL_Eng>

Author’s contributions: EAL contributed with the conception and design of the work, the creation of new software, acquisition, analysis and interpretation of data, and draft of the paper. RG contributed with the conception and design of the work, analysis and interpretation of data, and draft of the paper. JOD contributed with the analysis and interpretation of data and draft of the paper. AVG contributed with the creation of new software, acquisition, analysis and interpretation of data, and draft of the paper. All authors read and approved the final manuscript.

Ethics approval: The research was carried out with the approval of the Ethics Committee (social science room) of the Universidad del Rosario.

Consent to participate: All participants were asked to sign an informed consent document elaborated by the Rosario Experimental and Behavioral Economics Lab and was approved by the Ethics Committee of the Universidad del Rosario.

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