**WP12: Distributional learning and the development of word class categories in English, German and Dutch (Julian Pine, Daniel Freudenthal & Fernand Gobet)**

This work package is a modelling project, which uses existing publicly available corpora of naturalistic speech to test different hypotheses about the way children build word class categories across languages. Since no behavioural data were collected, there are no spreadsheets of behavioural data to upload. However, where possible, we provide relevant scripts and output and analysis files for the 5 studies that make up the work package.

These files are organised into three folders as follows:

1. Defaulting Paper contains files relating to a study of the effect of adding a defaulting mechanism to MOSAIC – a computational model of the cross-linguistic pattern of verb-marking error. A paper reporting this study can be found at the following link: <https://mindmodeling.org/cogsci2015/papers/0136/paper0136.pdf>

2. Case Paper contains files relating to a study investigating how the pattern of Case Marking error in early child German can be understood in terms of the interaction between a relatively simple learning mechanism and the distributional patterning of German child-directed-speech. A paper reporting this study can be found at the following link:

<https://mindmodeling.org/cogsci2018/papers/0325/0325.pdf>

3. Noun Richness Papers contains files relating to a series of studies in which a developmentally realistic model of word class acquisition is used to simulate developmental changes in the noun-richness of children’s early language across English, Dutch and German. Three papers reporting these studies can be found at the following links:

<https://mindmodeling.org/cogsci2016/cogsci16_proceedings.pdf>

<https://pdfs.semanticscholar.org/32d6/58f371d5b59e7710428ba02c740dbbdcf672.pdf>

<https://mindmodeling.org/cogsci2019/papers/0314/0314.pdf>