Background

* Statistical learning and linguistic abilities are related:
  + Speech perception in noise (Conway et al, 2010)
  + Syntactic priming (Kidd, 2012)
  + Syntax comprehension (Kidd & Arciuli, 2012; Misyak & Christiansen, 2012)
* See also Daltrozzo et al. (2017)

Goals

* Multiple language tasks targeting sentence processing skills
* Statistical learning tasks modeling the acquisition of word chunks and grammatical rules; online and offline tasks
* Controlling for various background processing abilities
* Is artificial grammar learning more strongly associated with sentence processing skills than word segmentation?

Participants

Statistical learning tasks

Language tasks

Results and Discussion