

Week	Date	Topic	Reading	Presenter
W1	1/25	Introduction		
Introduction to argument structure				
W2	1/30	Formal background: Argument vs. adjunct	Williams 2015 (pp.47-53, 62-64, 67-74)	
	2/1	Argument structure in acquisition	Viau & Bunger 2016 (pp.1-11, 12-15) Levin & Rappaport Hovav 2005 (pp.1-4)	
Event representations in infancy				
W3	2/6	Representing events: Agency & Causality	Shipley & Zacks 2008 (pp.80-85) Carey 2009 (Ch5, pp.157-173)	
	2/8	Representing events: Instruments	Sommerville & Woodward 2005 Hernik & Csibra 2015 Adibpour & Hochmann 2023 Stavans & Baillargeon 2018	
Introduction to bootstrapping				
W4	2/13	Lab 1: CHILDES		
	2/15	Word categories in infancy	Dye et al. 2019	
W5	2/20	Intro to bootstrapping	Höhle 2009 (pp.359-376)	
	2/22	Semantic bootstrapping	Pinker 1984 (Ch2, pp.37-47)	Sara
W6	2/27	Syntactic bootstrapping	Gleitman 1990 Fisher et al. 2020	Takuya
	2/29	Bootstrapping: Argument number	Yuan et al. 2012 Gertner & Fisher 2012 (Opt: Pozzan et al. 2015)	Rob
W7	3/5	Bootstrapping: Thematic roles	Gordon 2003 Scott & Fisher 2009 Perkins et al. 2022	Eli
	3/7	Lab 2: PCIBex		
Learning dependencies				
W8	3/12	Dependencies in infancy	Friederici et al. 2011 Shi et al. 2020	
	3/14	Dependencies in infancy	Santelmann & Jusczyk 1998 Höhle et al 2006	
3/17-3/24 (Spring break)				
W9	3/26	Recap + Prelude to questions	Geffen & Mintz 2017 Seidl et al 2003	Sara
	3/28	Comprehending wh-questions	Gagliardi et al. 2016 Perkins & Lidz 2019	Eli
W10	4/2	Project brainstorming		
	4/4	Probing filler-gap dependencies	Perkins & Lidz 2021	

Towards an adult-like grammar				
W11	4/9	Incremental processing in infancy	Lidz et al. 2017 Hirzel et al. 2020 (pp. 87-103)	
	4/11	Argument vs. adjuncts in adulthood	Speer & Clifton 1998 Boland 2005	
W12	4/16	Natural production: Wh-questions	Stromswold 1995 Pozzan & Valian 2016	
	4/18	Elicited production: Wh-questions	Crain & Nakayama 1987 Liter et al. 2022	
W13	4/23	Learnability of dependencies: Wh-islands	Pearl & Sprouse 2013	Rob
	4/25	Cross-linguistic picture	Omaki et al. 2014	Takuya
W14	4/30	Recap & remaining issues		
	5/2	Roundtable: Is distribution enough for learning dependencies?		
W15	5/7	Project polishing		
	5/9	Project presentations		

References

- Adibpour, P., & Hochmann, J.-R. (2023). Infants' understanding of the causal power of agents and tools. *PNAS*, 120(50), 1-7.
- Boland, J. E. (2005). Visual arguments. *Cognition*, 95, 237-274.
- Carey, S. (2009). *The origin of concepts*. Oxford University Press.
- Crain, S., & Nakayama, M. (1987). Structure dependence in grammar formation. *Language*, 63(3), 522-543.
- Dye, C., Kedar, Y., & Lust, B. (2019). From lexical to functional categories: New foundations for the study of language development. *First Language*, 39(1), 9-32.
- Fisher, C., Jin, K.-s., Scott, R. M. (2020). The developmental origins of syntactic bootstrapping. *Topics in Cognitive Science*, 12(1), 48-77.
- Friederici, A. D., Mueller, J. L., & Oberecker, R. (2011). Precursors to natural language learning: Preliminary evidence from 4-month-old infants. *PLoS ONE*, 6(3): e17920. <https://doi.org/10.1371/journal.pone.0017920>
- Gagliardi, A., Mease, T. M., & Lidz, J. (2016). Discontinuous development in the acquisition of filler-gap dependencies: Evidence from 15- and 20-month-olds. *Language Acquisition*, 23(3), 234-260.
- Geffen, S., & Mintz, T. H. (2017). Prosodic differences between declarative and interrogatives in infant-directed speech. *Journal of Child Language*, 44(4), 968-994.
- Gertner, Y., & Fisher, C. (2012). Predicted errors in children's early sentence comprehension. *Cognition*, 124(1), 85-94.
- Gleitman, L. (1990). The structural sources of verb meanings. *Language Acquisition*, 1(1), 3-55.
- Gordon, P. (2003). The origin of argument structure in infant event representations. *Proceedings of the 28th Annual Boston University Conference on Language Development* (Vol. 1, pp. 189-198). Cascadilla Press.
- Hernik, M., & Csibra, G. (2015). Infants learn enduring functions of novel tools from action demonstrations. *Journal of Experimental Child Psychology*, 130, 176-192.
- Hirzel, M. (2020). *Island constraints: What is there for children to learn* [Unpublished doctoral dissertation]? University of Maryland, College Park.

- Höhle, B., Schmitz, M., Santelmann, L. M., & Weissenborn, J. (2006). The recognition of discontinuous verbal dependencies by German 19-month-olds: Evidence for lexical and structural influences on children's early processing capacities. *Language Learning and Development*, 2(4), 277-300.
- Höhle, B. (2009). Bootstrapping mechanisms in first language acquisition. *Linguistics*, 47(2), 359-382.
- Levin, B., & Rappaport Hovav, M. (2005). *Argument realization*. Cambridge University Press.
- Lidz, J., White, A. S., & Baier, R. (2017). The role of incremental parsing in syntactically conditioned word learning. *Cognitive Psychology*, 97, 62-78.
- Liter, A., Grolla, E., & Lidz, J. (2022). Cognitive inhibition explains children's production of medial wh-phrases. *Language Acquisition*, 29(3), 327-359.
- Omaki, A., White, D., Goro, T., Lidz, J., & Phillips, C. (2014). No fear of commitment: Children's incremental interpretation in English and Japanese wh-questions. *Language Learning and Development*, 10(3), 206-233.
- Pearl, L., & Sprouse, J. (2013). Syntactic islands and learning biases: Combining experimental syntax and computational modeling to investigate the language acquisition problem. *Language Acquisition*, 20(1), 23-68.
- Perkins, L., & Lidz, J. (2019). Filler-gap dependency comprehension at 15 months: The role of vocabulary. *Language Acquisition*, 27(1), 98-115.
- Perkins, L., & Lidz, J. (2021). Eighteen-month-old infants represent nonlocal syntactic dependencies. *PNAS*, 118(41), e2026469118.
- Perkins, L., Knowlton, T., Williams, A., & Lidz, J. (2022). Thematic content, not number matching, drives syntactic bootstrapping.
- Pinker, S. (1984). *Language learnability and language development*. Harvard University Press.
- Pozzan, L., Gleitman, L. R., & Trueswell, J. C. (2015). Semantic ambiguity and syntactic bootstrapping: The case of conjoined-subject intransitive sentences. *Language Learning and Development*, 12(1), 14-41.
- Pozzan, L., & Valian, V. (2016). Asking questions in child English: Evidence for early abstract representations. *Language Acquisition*, 24(3), 209-233.
- Santelmann, L. M., & Jusczyk, P. W. (1998). Sensitivity to discontinuous dependencies in language learners: Evidence for limitations in processing space. *Cognition*, 69(2), 105-134.
- Scott, R. M., & Fisher, C. (2009). Two-year-olds use distributional cues to interpret transitivity-alternating verbs. *Language and Cognitive Processes*, 24(6), 777-803.
- Seidl, A., Hollich, G., & Jusczyk, P. W. (2003). Early understanding of subject and object wh-questions. *Infancy*, 4(3), 423-436.
- Shi, R., Emond, E., & Badri, S. (2020). Hierarchical structure dependence in infants at the early stage of syntactic acquisition. *Proceedings of the 44th Annual Boston University Conference on Language Development* (pp. 572-585). Cascadilla Press.
- Shipley, T. F., & Zacks, J. M. (Eds.) (2008). *Understanding events: From perception to action* (Vol. 4). Oxford University Press.
- Sommerville, J. A., & Woodward, A. L. (2005). Pulling out the intentional structure of action: The relation between processing and action production in infancy. *Cognition*, 95(1), 1-30.
- Speer, S. R., & Clifton, C. (1998). Plausibility and argument structure in sentence comprehension. *Memory & Cognition*, 26(5), 965-978.
- Stavans, M., & Baillargeon, R. (2018). Four-month-old infants individuate and track simple tools following functional demonstrations. *Developmental Science*, 21(1), e12500.
- Stromswold, K. (1995). The acquisition of subject and object wh-questions. *Language Acquisition*, 4(1-2), 5-48.
- Viau, J., & Bunger, A. (2016). Argument structure. In J. Lidz, W. Snyder, & J. Pater (Eds.), *The oxford handbook of developmental linguistics* (pp. 157-178). Oxford University Press.
- Williams, A. (2015). *Arguments in syntax and semantics*. Cambridge University Press.
- Yuan, S., Fisher, C., & Snedeker, J. (2012). Counting the nouns: Simple structural cues to verb meaning. *Child Development*, 83(4), 1382-1399.