











Out theoretical objective is not dependent on the assumptions fitting exactly. It is a familiar strategem of science, when faced with a body of data too complex to be mastered as a whole, to select some limited domain of experiences, some simple situations, and to undertake to construct a model to fit these at least approximately. Having set up such a model, the next step is to seek a thorough understanding of the model itself. S. C. Kleene, *Representation of Events in Nerve Nets and Finite Automata*, 1956

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Lecture 8: Language

Computer Science











**Replacement Grammars**  $Left \rightarrow Right$ Anything that matches the left side can be replaced by what is on the right side. Left and Right can be any sequence of variables (nonterminals) and symbols (terminals) Computer Science cture 8: Language 13









































