An Introduction to Grammar Engineering Using HPSG

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Outline: What We Are About to Do (and Why)

Course Outline

- familiarize with computational grammar development environment;
- learn how to formalize grammars in typed feature structures;
- adapt and develop sequence of trivial HPSG grammars in LKB;
- solve daily excercises: immediate gratification (risk of late hours).

Why Computational Grammars

- **research** formalize linguistic theories with complex interactions of language phenomena; identify cross-language generalizations;
- **education** teach frameworks or analyses in formal morphology, syntax, and semantics; support student experimentation;
- **applications** embed grammar-based natural language analysis in research prototypes and commercial applications.