Research Questions
Deep syntax/semantics & Deep Learning

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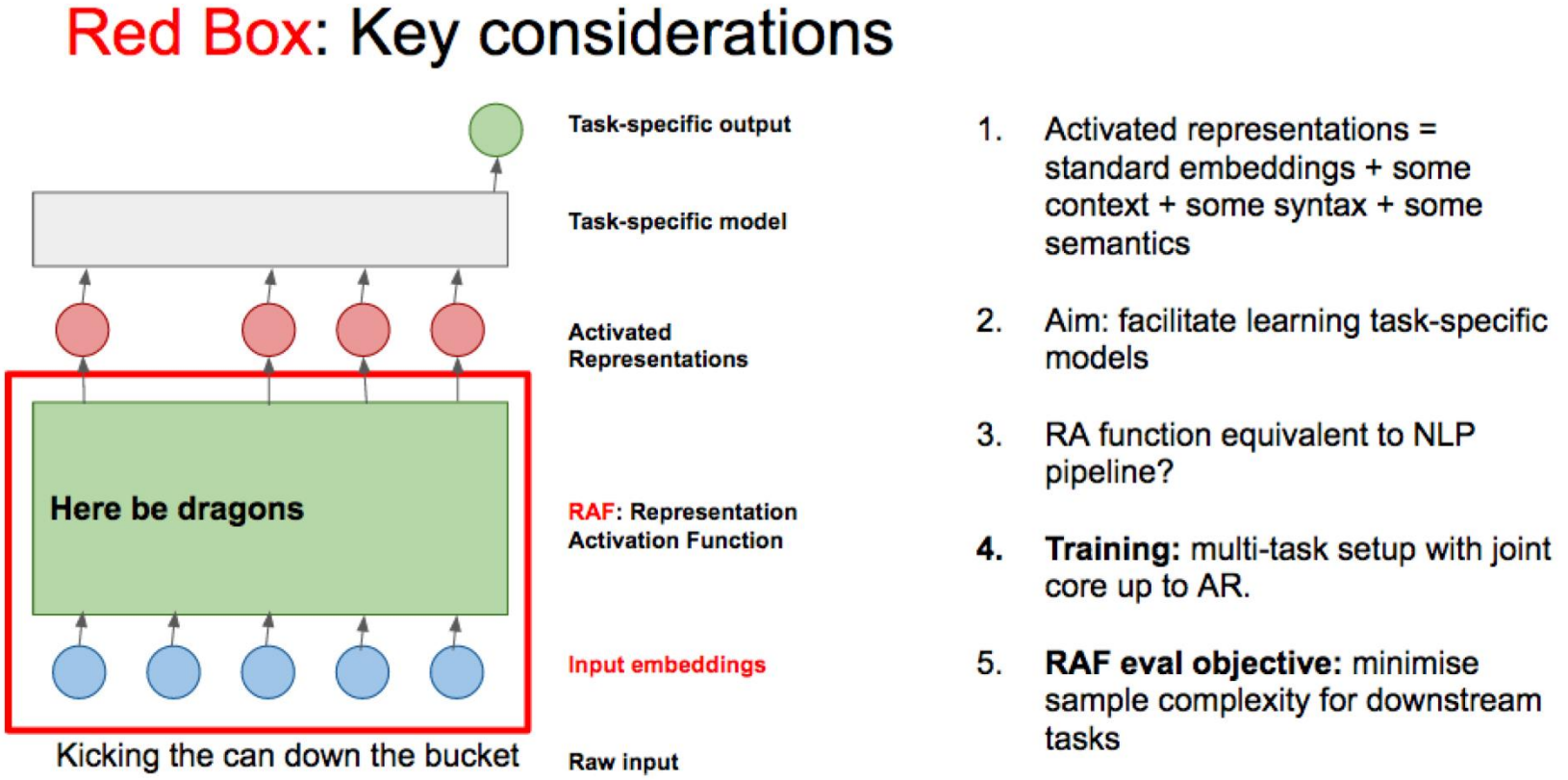
Is there a place for linguistics in Deep Learning?

- Related questions
  - Where does “language system” ends and the “real world” starts?
  - What is the shared among languages?
    - Representation (> grammars / grammar formalisms)
- Reverse question:
  - Can Deep Learning help us to understand how language works?
    - Discovering features, categories, representations

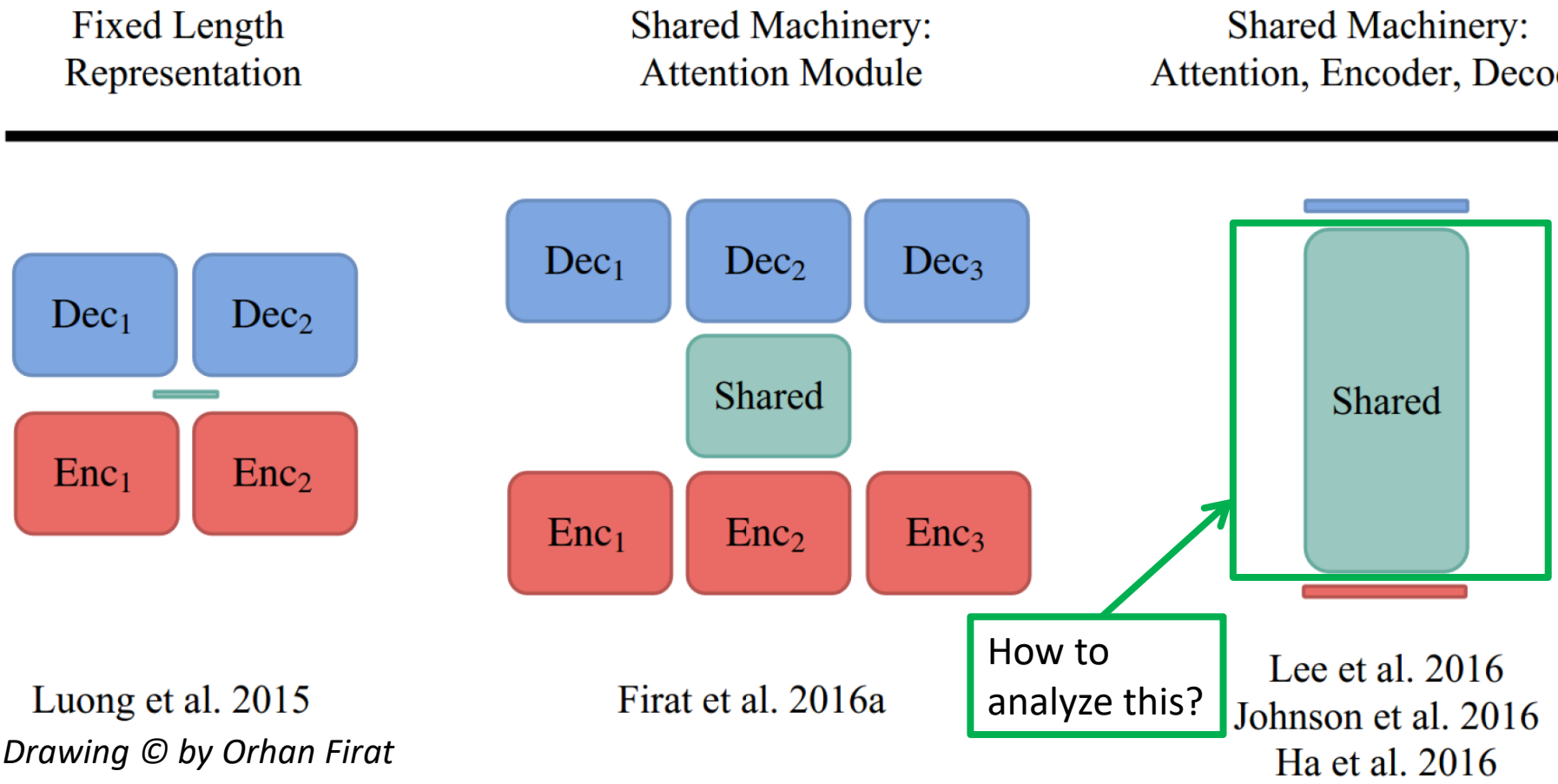
The “Red Box” (TM by H. Schütze et al.)

- Dagstuhl Jan. 2017 representation WG:



The reverse question

- Shared representation as the “neural interlingua”



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