Representation learning with linguistic structure
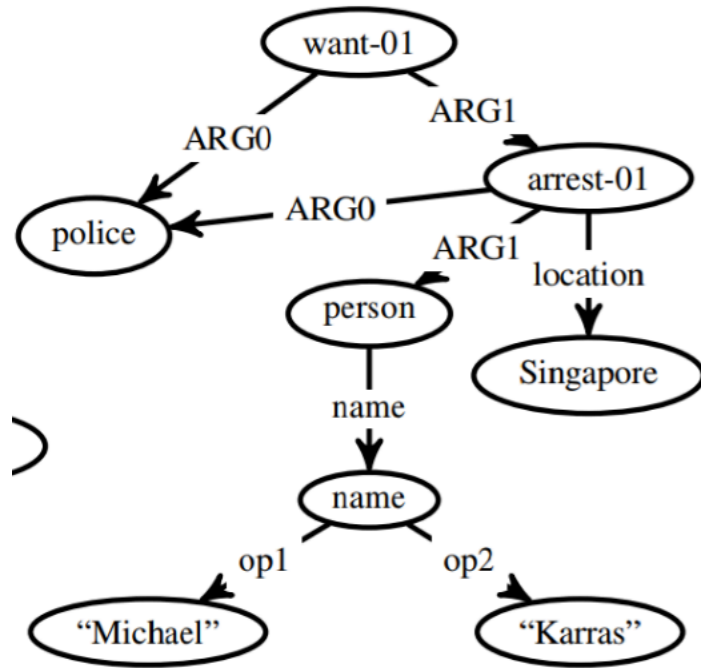
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Representation learning with linguistic structure

Broad-coverage semantics

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Representation learning with linguistic structure

Broad-coverage semantics

all are expected to reopen soon
expect.01   reopen.01
A1   C-A1   AM-TMP
A1
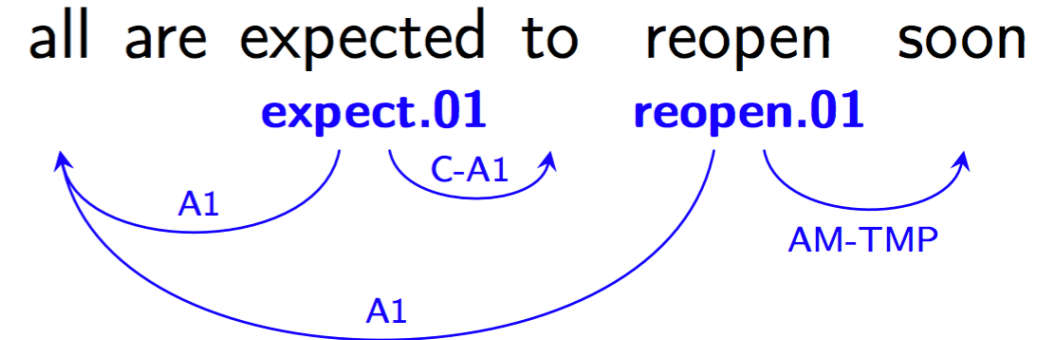
After encouraging them , he told them goodbye and left for Macedonia .
after.PREP   encourage.V   tell.V   leave.V
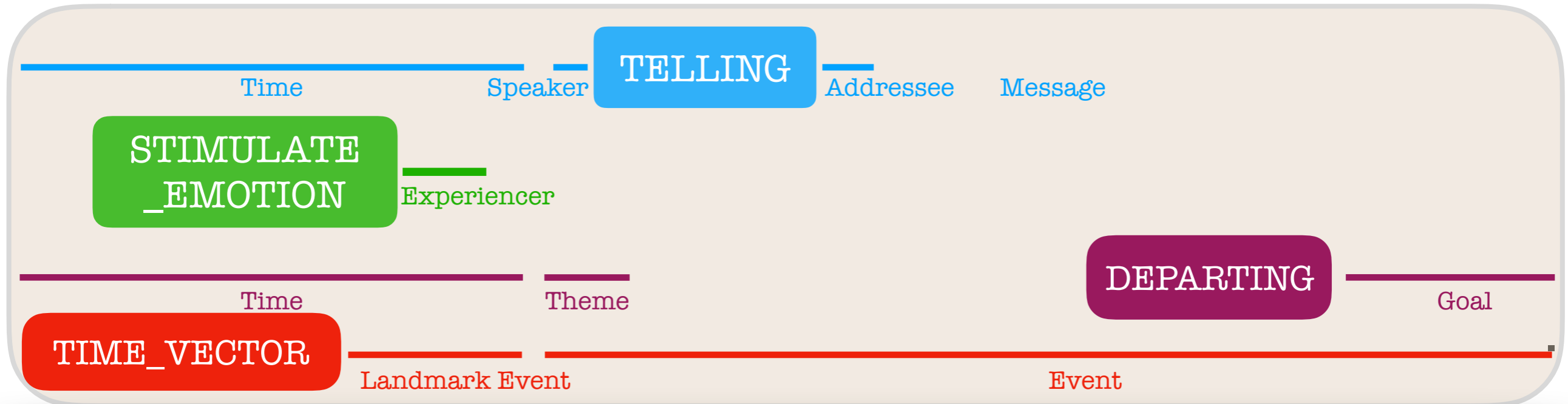
TELLING
Time   Speaker   Addressee   Message

STIMULATE_EMOTION
Experiencer

DEPARTING
Goal

TIME_VECTOR
Time   Theme
Landmark Event   Event

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Representation learning with linguistic structure

Broad-coverage semantics

Deep multitask learning
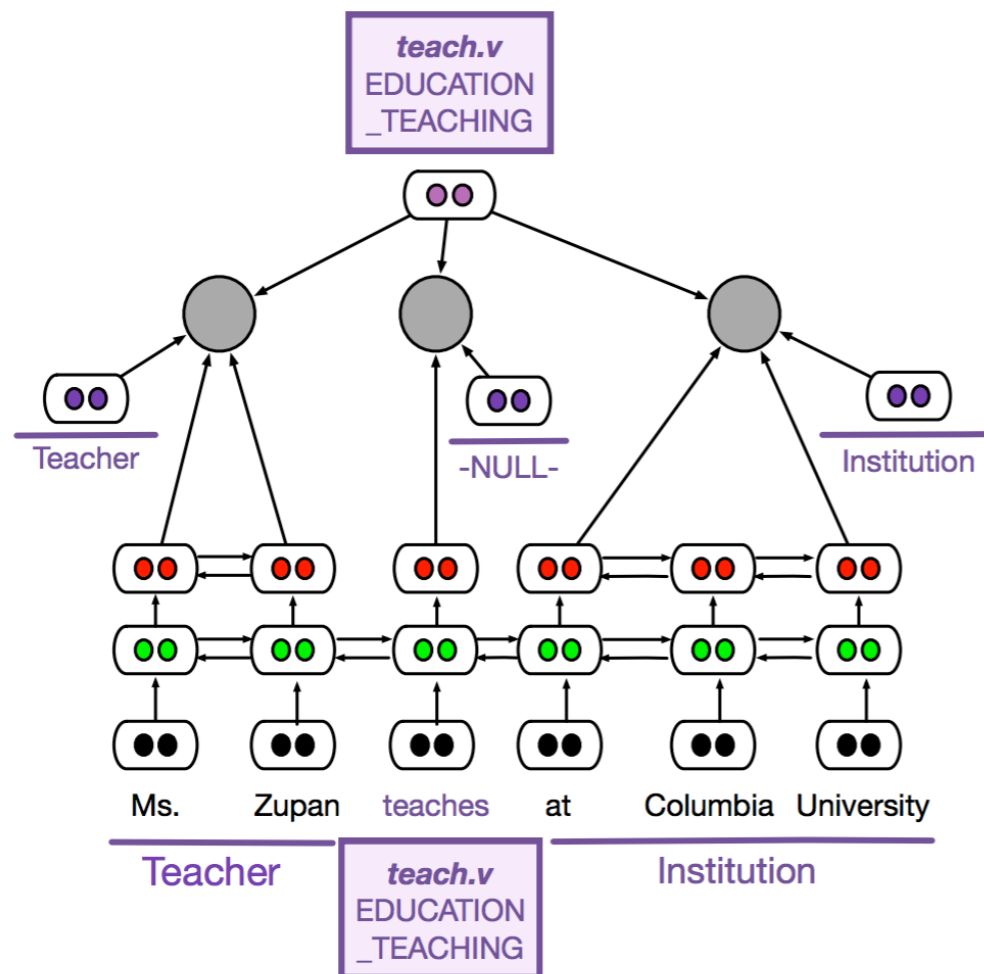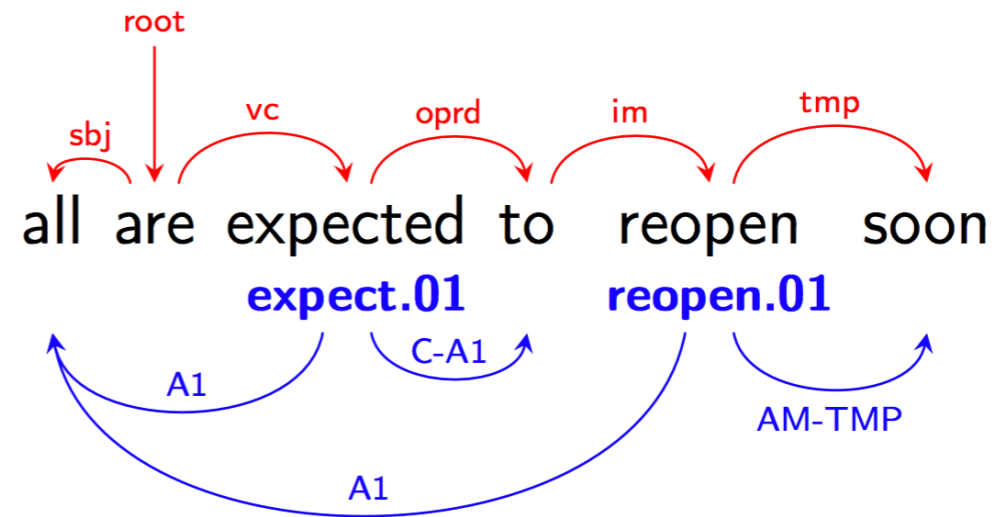
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Deep multitask learning

Multiple
semantic sources
as well as syntax,
deep or shallow
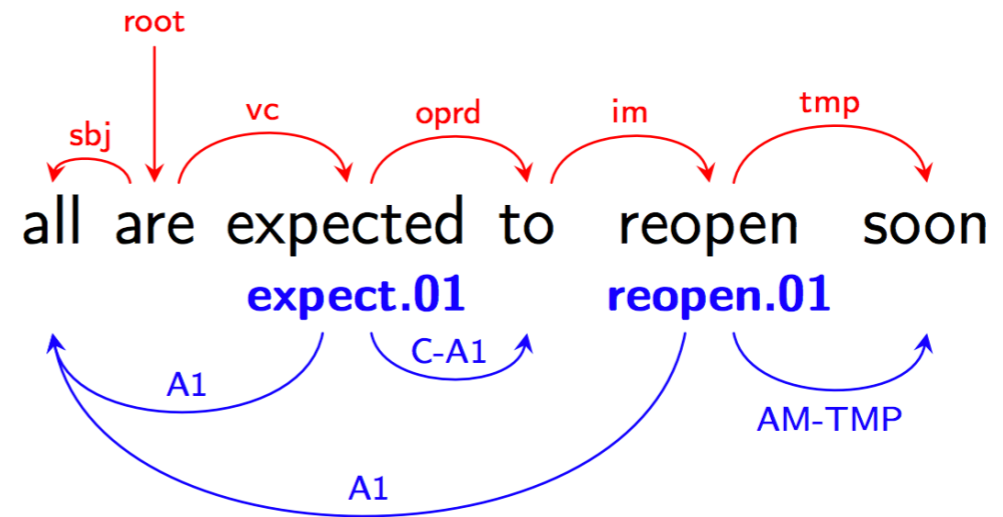
Deep multitask learning

Multiple
semantic sources
as well as syntax,
deep or shallow

Structure
predictors based
on deep neural
nets

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Looking forward:
Utilizing broad-coverage semantics

- Can we use token and higher level representations to build semantically-aware

  - Text classifiers?

  - Question-answering systems?

  - Language generators?