Autocomplete communication with latent segmentation

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Autocomplete communication

- Sentence → keywords → sentence
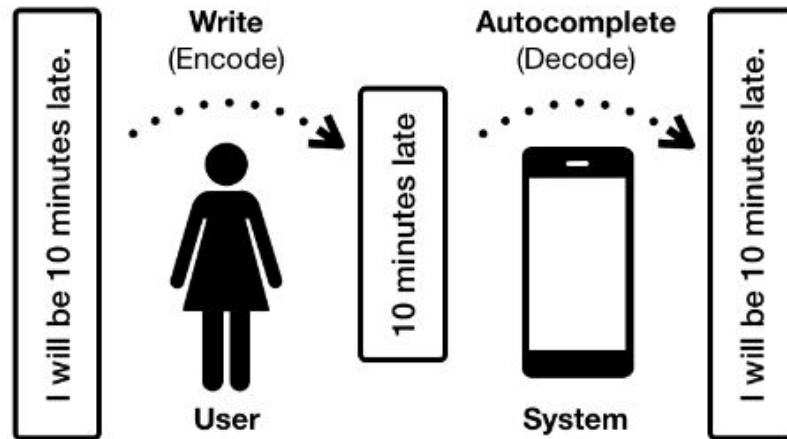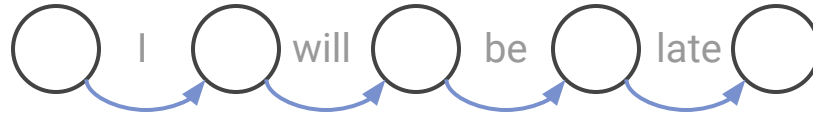
- Encoder-decoder model

Figure from Lee et al. (2019)

Segmentation model

- What is a segmentation model?

- Why do we want to use it?
  - Structured

Segmentation model

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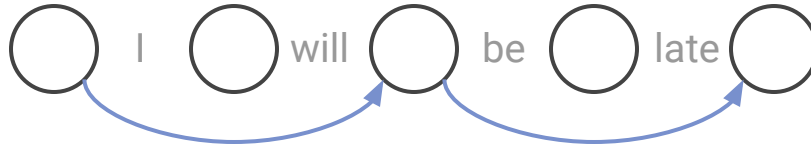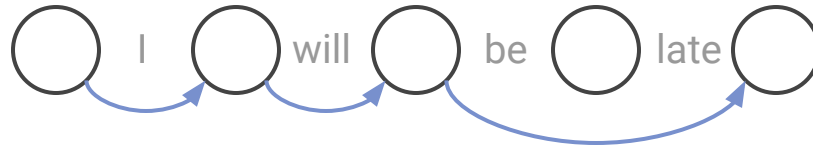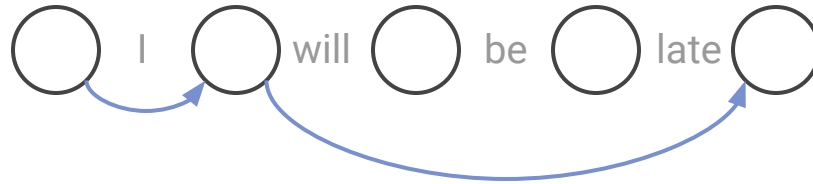 - Structured

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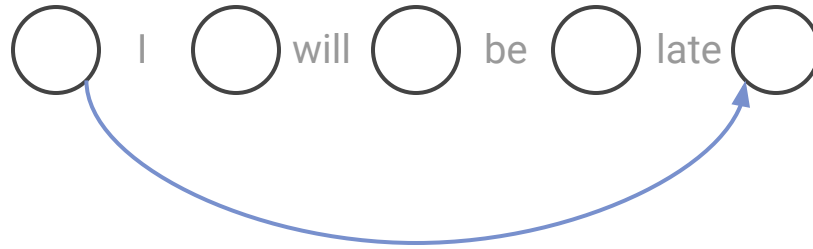# Segmentation model

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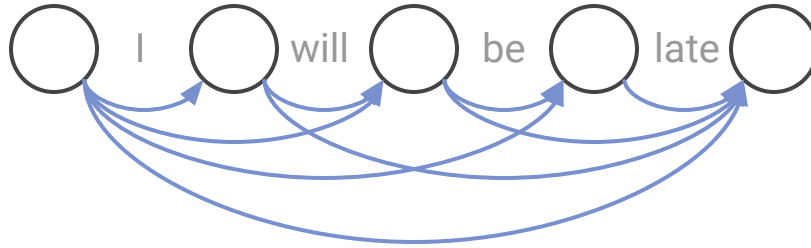# Segmentation model
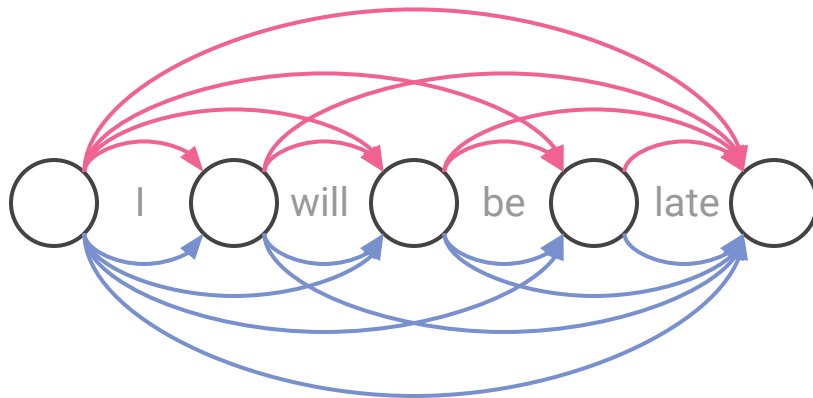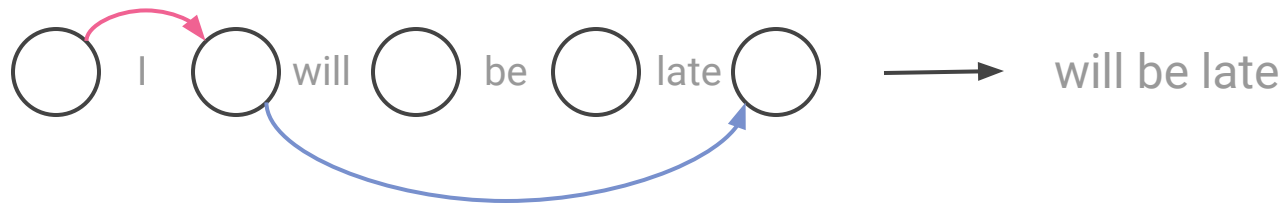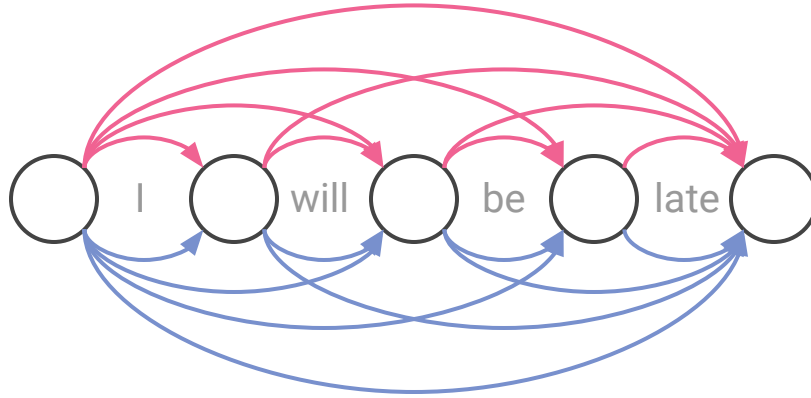
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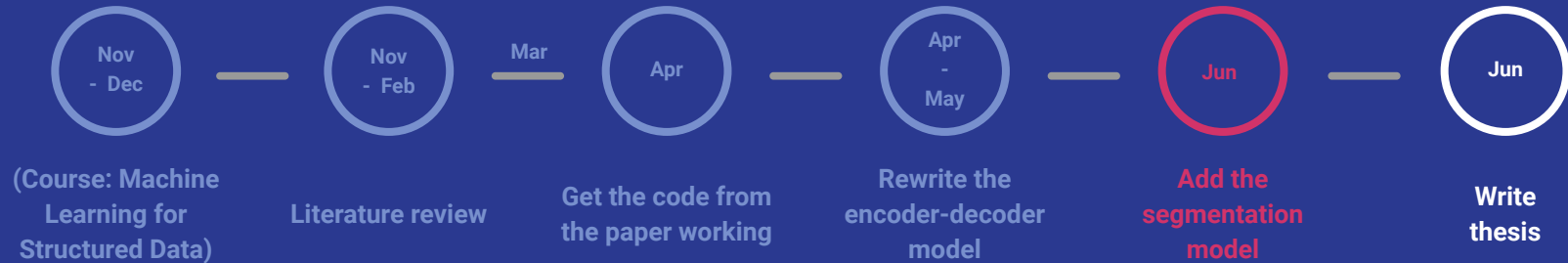 - Structured

Segmentation model

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To what extent can a segmentation model help by selecting keywords for an autocomplete communication game?

Planning

- **Nov - Dec** — (Course: Machine Learning for Structured Data)
- **Nov - Feb** — Literature review
- **Mar / Apr** — Get the code from the paper working
- **Apr - May** — Rewrite the encoder-decoder model
- **Jun** — Add the segmentation model
- **Jun** — Write thesis

Questions?

Questions from me and Andrea to Sander:
- Is this plan feasible?
- (At what progress percentage do you think I am currently?)

References

Lee, M., Hashimoto, T. B., & Liang, P. (2019). Learning autocomplete systems as a communication game.