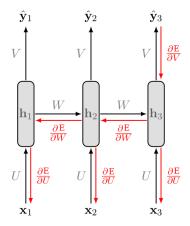
Scalable Machine Learning and Deep Learning - Review Questions 4

Deadline: November 29, 2019

- 1. 1 point. What's the vanishing problem in RNN?
- 2. 1 point. Explain the impact of different gates in LSTM.
- 3. 1 point. Assume the error of the following network is $E = E^{(1)} + E^{(2)}$, then compute the $\frac{\partial E}{\partial n}$.



- 4. 1 point. Explain how to use a seq-to-seq model for language translation.
- 5. 1 point. Briefly explain the attention and self-attention mechanisms.