

Current Exploration



GANs based sequence generation

SeqGANs⁵

- The generator loss is modelled to maximise a reward function judged on complete sequence.
- It is trained using policy gradient (REINFORCE)

MaskGANs⁶

- Introduced missing context in input (Masked out text).
- A new formulation for generator loss which is trained using actor critic variant of REINFORCE



[5] Lantao et.al. SeqGAN: Sequence GANs with Policy Gradient, 2017

[6] Fedus et al. MaskGAN: Better generalization via filling blanks CS, 2018

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Conclusion and Future Work

Working to explore better generative models
for code-switched text

Planning to submit our work as a conference paper at
EMNLP '18