

# Sutskever+ (2014) × Bahdanau+ (2014)

Two key papers on NMT in 2014:

- Bahdanau et al. (2015) Attention model,
- Sutskever et al. (2014) Seq2seq impressive empirical results:
  - Made researchers believe NMT is the way to go.
  - (Used reversed input.)

Evaluation on WMT14 EN → FR test set:

Model	BLEU score
vanilla SMT	33.0
tuned SMT	37.0
Sutskever et al.: reversed	30.6
–"–: ensemble + beam search	34.8
–"–: vanilla SMT rescoring	36.5
Bahdanau's attention	28.5