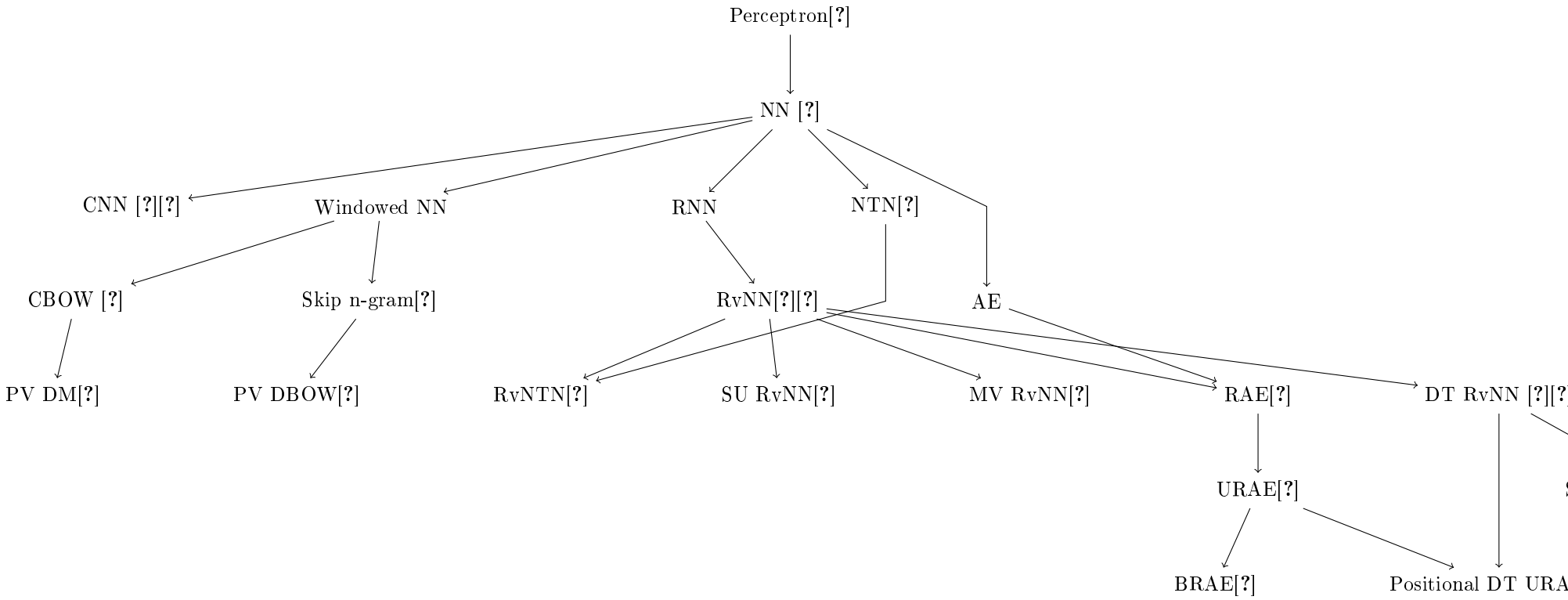
Year	Author	Method	Evaluation Task	Data	Performance
2011	Socher et. al.[?]	RvNN	Parsing	Wall Street Journal sections of Penn Treebank	F1: 90.29%
2011	Socher et. al.[?]	Semi-supervised RAE	Sentiment Analysis: Categorical	Experience Project Dataset	Acc: 50.1%
2011	Socher et. al.[?]	Semi-supervised RAE	Sentiment Analysis: Polarity	Movie Reviews[?]	Acc: 77.7%
2011	Socher et. al.[?]	Semi-supervised RAE	Sentiment Analysis: Polarity	Opinions[1]	Acc: 86.4%
2011	Socher et. al.[?]	U-RAE + Dynamic Pooling	Paraphrase Detection	Gigaword (Pretraining), Microsoft Research Paraphrase Corpus	Acc: 76.8
2011	Socher et. al.[?]	U-RAE + Dynamic Pooling	Paraphrase Detection	Gigaword (Pretraining), Microsoft Research Paraphrase Corpus	F1: 83.6%
2013	Socher et. al. [?]	Neural Tensor Network (NTN)	Knowledge Base Completion	WordNet	Acc: 86.2%
2013	Socher et. al. [?]	Neural Tensor Network (NTN)	Knowledge Base Completion	FreeBase	Acc: 90.0%
2013	Sorcher et. al. [?]	Recursive NTN	Sentiment Analysis: Polarity	Stanford Sentiment Treebank	Acc: 87.6%
2013	Sorcher et. al. [?]	Recursive NTN	Sentiment Analysis: Exact Score	Stanford Sentiment Treebank	Acc: 80.7%
2013	Socher et. al.[?]	CVG on RvNN	Parsing	Wall Street Journal sections of Penn Treebank	Acc: 85.0%
2013	Socher et. al.[?]	CVG on SU-RvNN	Parsing	Wall Street Journal sections of Penn Treebank	Acc: 90.4%
2014	Iyyer et. al.[?]	Positional Dependency Tree U-RAE	Resynthesis	Wikipedia and Quiz Bowl Trivia Database	Not Measured
2014	Le and Mikolov[?]	PV-DBOW + PV-DM	Sentiment Analysis: Polarity	Stanford Sentiment Treebank	Acc: 87.8%
2014	Le and Mikolov[?]	PV-DBOW + PV-DM	Sentiment Analysis: Exact Score	Stanford Sentiment Treebank	Acc: 48.7%
2014	Le and Mikolov[?]	PV-DBOW + PV-DM	Sentiment Analysis: Polarity	IMDB Dataset	Acc: 92.58%
2014	Le and Mikolov[?]	PV-DBOW + PV-DM	Information Retrieval	Custom Dataset of triples of search engine summaries, 2 matching, 1 not.	Acc: 96.18%
2014	Kalchbrenner et. al.[?]	Dynamic CNN	Sentiment Analysis: Polarity	Stanford Sentiment Treebank	Acc: 86.8%
2014	Kalchbrenner et. al.[?]	Dynamic CNN	Sentiment Analysis: Exact Score	Stanford Sentiment Treebank	Acc: 48.5%
2015	Zhang and LeCun[?]	Temporal CNN on characters	Topic Classification	DBpedia	Acc: 98.4-%
2015	Zhang and LeCun[?]	Temporal CNN on characters	Topic Classification	Yahoo! Answers	Acc: 71.10%
2015	Zhang and LeCun[?]	Temporal CNN on characters	Topic Classification	AG's News Corpus (English)	Acc: 87.18%
2015	Zhang and LeCun[?]	Temporal CNN on characters	Topic Classification	Sogou News Corpora (Chinese)	Acc: 95.12%
2015	Zhang and LeCun[?]	Temporal CNN on characters	Sentiment Analysis: Exact Score	Amazon Reviews	Acc: 59.57%
2015	Zhang and LeCun[?]	Temporal CNN on characters	Sentiment Analysis: Polarity	Amazon Reviews	Acc: 95.07%
2014	Zhang et. al.[?]	BRAE	Cross-lingual Semantic Similarity for Phrase Table Pruning	Several LDC Chinese English Bilingual datasets.	72% reduction for -0.06 BLEU
2014	Zhang et. al.[?]	BRAE	Hypothesis selection for phrasal Statistical Machine Translation	Several LDC Chinese English Bilingual datasets.	BLEU 35.03
2014	Iyyer et. al. [?]	DT-RNN	Multichoice Question Answering	Quiz Bowl Trivia Database	Acc: 69.1%
2014	Socher et. al [?]	DT-RNN	Sentence Similarity To Image	Labeled Image Dataset[?]	Mean Rank: 11.1

Note that the table list the tasks by which the methods were evaluated on in the paper in which they were first published. Almost all methods in the table can be applied to all tasks in the table, and in the referenced papers generally a large subset of the method were applied to the tasks. Unsurprisingly, in all cases the new method outperforms the earlier methods.


Perceptron[?]
NN [?]
CNN [?][?]
Windowed NN
RNN
NTN[?]
CBOW [?]
Skip n-gram[?]
RvNN[?][?]
AE
PV DM[?]
PV DBOW[?]
RvNTN[?]
SU RvNN[?]
MV RvNN[?]
RAE[?]
DT RvNN [?][?
URAE[?]
BRAE[?]
Positional DT URA

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References

[2]Dr Fei Liu will be moving to the University of Central Florida in the very near future. Her future contact details are thus expected to change.