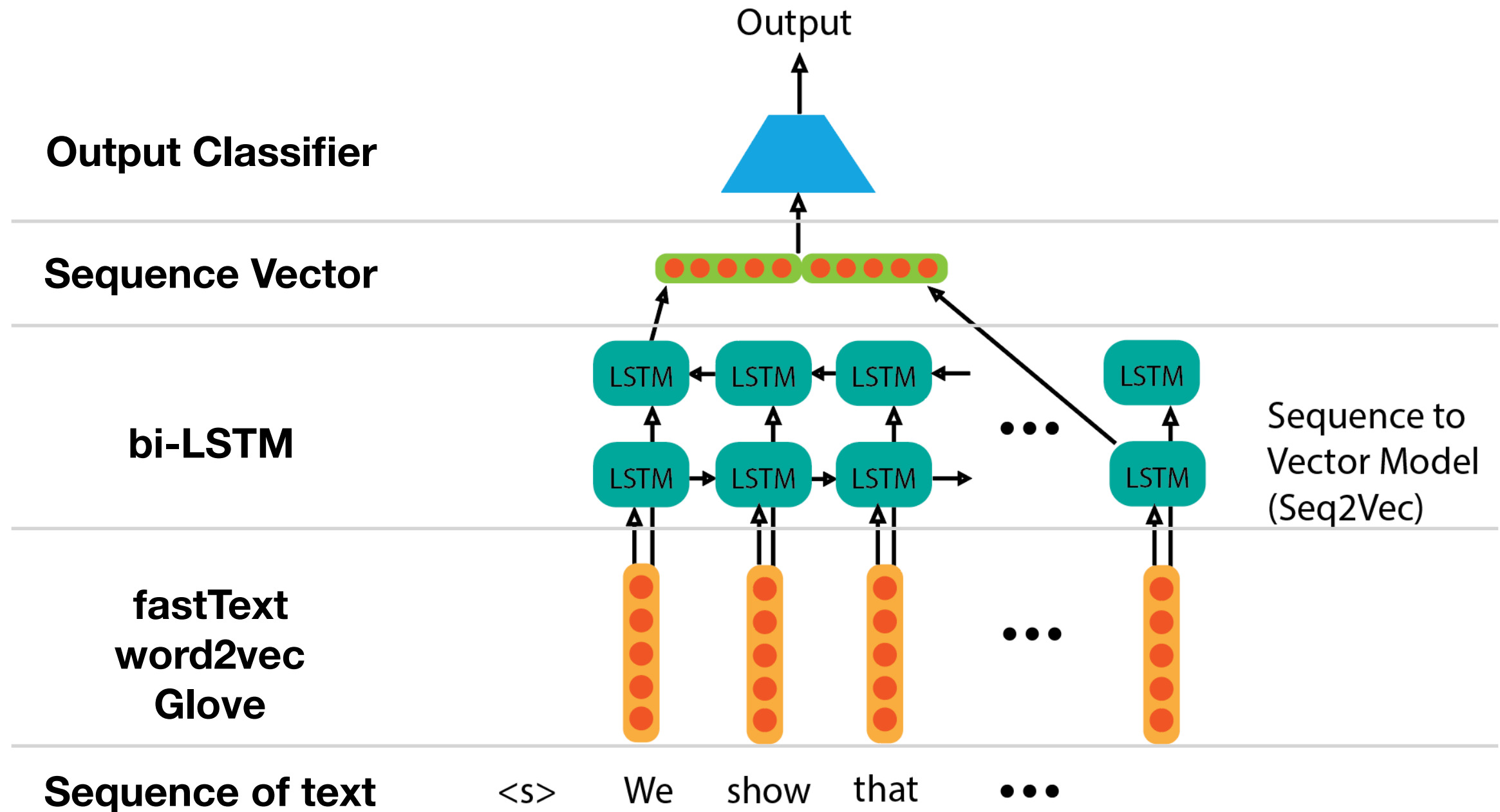


Introduction to AllenNLP

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NLP prediction with Deep Learning



NLP prediction with Deep Learning

Output Classifier

Feed forward network

Sequence Vector

Concatenation

bi-LSTM

Write LSTM (backward/forward)

**fastText
word2vec
Glove**

Embedding Layer

Sequence of text

Build dictionary, dataset generator,
padding, batching, ...

Introduction to AllenNLP

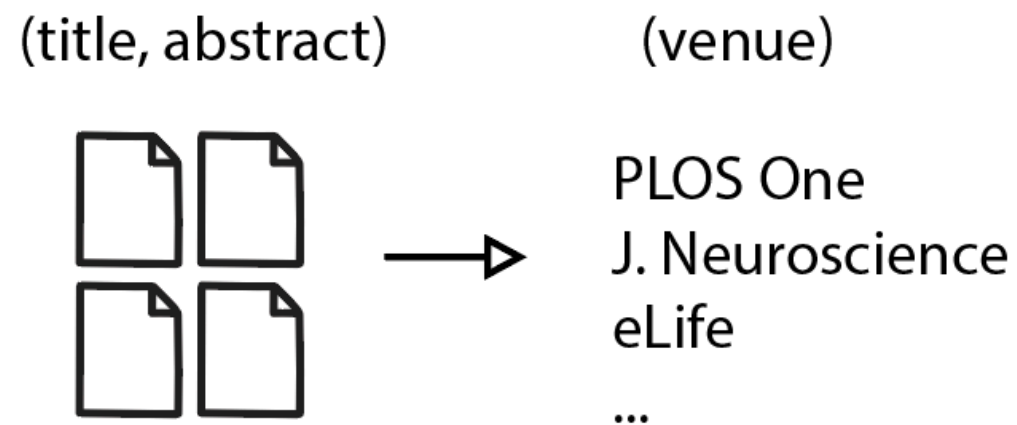
- An open-source NLP research library, built on PyTorch (Python ≥ 3.6)
- Easy to design and evaluate new deep learning models
- Remove a lot of hassle for Deep Learning NLP pipeline
- Check out demo: <http://demo.allennlp.org/machine-comprehension>
- Installation: "pip install allennlp"

Organizations using AllenNLP



AllenNLP Demo

- Make 2 classes: *DatasetReader*, *Model* (subclass of ``torch.nn.Module``)
- **Demo:**
 - **Question:** Which venue should we submit to?
 - **Dataset:** (title, abstract, venue) from 30 journals
 - **Output:** probability of venues



Thanks!