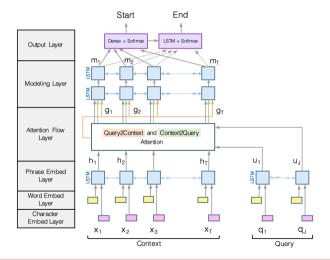


Adapted from material from Danqi Chen

# **Question Answering**

Natural Language Processing: Jordan Boyd-Graber University of Maryland

#### **BiDAF**



# AllenNLP

# AllenNLP

- Simple interface for state-of-the-art models
- Pretrained models
- Good pipeline for experiments

# Installing

sudo pip install allennlp

conda install allennlp -c pytorch -c allennlp -c conda-forge

#### **Download Models and Data**

wget -nc https://s3-us-west-2.amazonaws.com/allennlp/models/bidaf-model-2017.09.15-charpad.tar.gz
wget -nc https://obj.umiacs.umd.edu/processed\_tossup/qanta.dev.paragraphs.2018.04.18.jsonl.zip

#### **Run BiDAF Model**

#### from allennlp.predictors.predictor import Predictor

predictor = Predictor.from\_path("bidaf-model-2017.09.15-charpad.tar.gz")

#### Examples

# Question

The first mayor of this city, Christopher Cato, names a manor which saw the Beer Hall Riots when this city tried to pass an ordinance on beer brewing.

It was formed when Indian

market gardeners came to settle in the area some time after it was given  $^{+++}_{***}$  to George Christopher Cato in 1865 , who was the first mayor of Durban

**in** 1854 .

Ex	a	m	pl	es

# Question

This man made models for a garden city called Broadacre City.

He continued

dwelling that came to be known **as** the Usonian House .

#### Examples

### Question

This ruler's brother Thankmar revolted against him before being defeated in Eresburg.

to subdue the Slavic Lutici tribes **in** what was to become the Billung March + beyond the Elbe River . He thereby disregarded the claims of Herman 's +++ elder brother Wichmann , who **in** turn joined the failed revolt by Otto 's

half - brother Thankmar .