



Build a **Question Answering** system overnight

Jens Lehmann, Gaurav Maheshwari, Priyansh Trivedi, Mohnish Dubey, Denis Lukovnikov,

ESWC 2019, Portoroz

Programming

Programming

1. Find entities (EARL API)
2. Create a set of core chain candidates
3. Rank core chain candidates

Programming - Step 1

http://sda.cs.uni-bonn.de/projects/earl/

curl -XPOST ‘http://sda.tech/earl/api/processQuery' -H ‘Content-Type:application/json’ -d"{\"nlquery\":\"Who is the president of Russia?\", "pagerankflag": false}"

Programming - Step 2

https://github.com/AskNowQA/KrantikariQA/tree/develop/datasetPreparation

A set of helper function to create core chain candidates.

Programming - Step 3

https://github.com/AskNowQA/KrantikariQA/blob/develop/corechain.py

1. Try some Embedding
    a. Create embedding layer, apply it on random ints, backprop and inspect
2. Try a feedforward layer: torch.nn.Linear() + torch.nn.Sigmoid()
    a. Create layer, apply on random floats (shape!), backprop and inspect
3. Try a RNN: torch.nn.LSTM()

BRACE YOURSELF

ERRORS ARE COMING