

Welcome video

Welcome!

In this lesson:

- Who we are?
- Why do we like NLP so much?
- What are the goals and not the goals of our course?
- Overview of the topics
- A blend of linguistics and deep learning

Who we are?

My name is Anna...

- Finishing PhD on word embeddings and topic models
- Teaching NLP in YSDA and MSU
- Some hands-on experience:
 - Word similarities for query understanding (Google)
 - Text mining and classification (Yandex)
 - DL and RL for dialogue state tracking (Google)

We have a big and nice team creating the course:

- One more Anna, Andrey, Alexey, and Sergey – read about them on the page of our course!

Who is this course for?

For those, who are curious...

- What's inside dialogue agents?
- How does machine translation work?
- Where does NLP end and hype begin?



Who is this course for?

Understanding what's inside:

- In-depth theoretical insights
- Review of state-of-the-art approaches
 - Both in research and production

Gaining intuition:

- I am given a task. What approach will work?

Practice:

- Home assignments in Python
- Project: how to build a conversational chat-bot

Who is this course for?

Probably, this course is not for you if:

- You want only practical tips and do not care what's inside
- You do not have any prior background in machine learning

Quick test: have you heard the following?

- Sum rule, product rules, likelihood maximization
- Training vs inference, loss functions
- Recurrent Neural Networks

Do you have some experience with Python (and TensorFlow)?