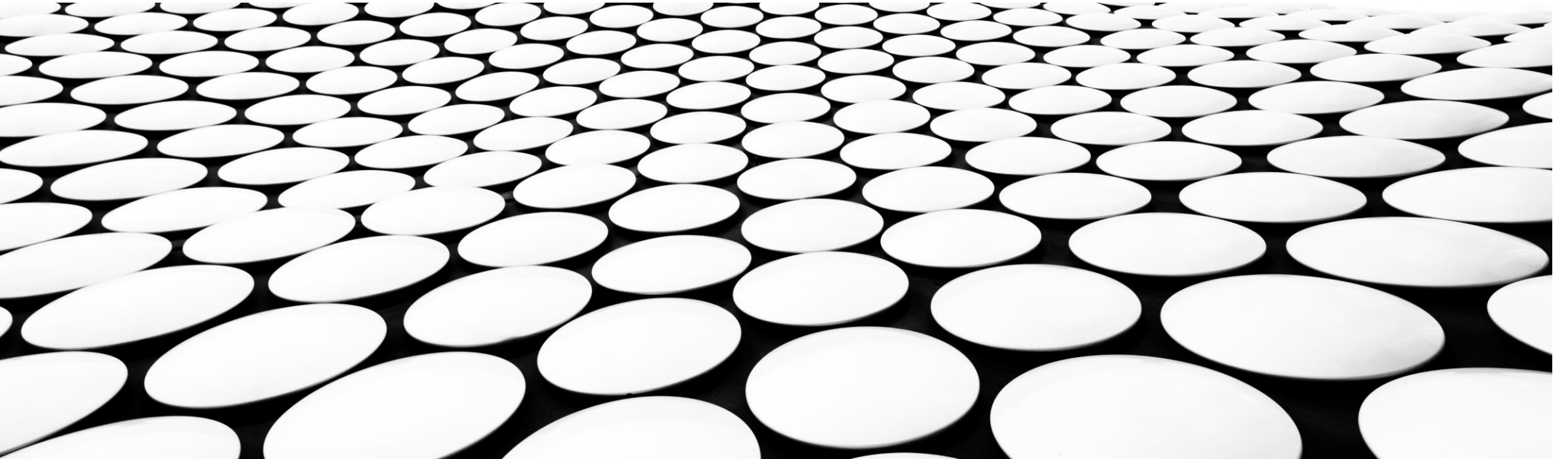

BIONLP AND ITS APPLICATIONS – SEMINAR

SHANKAI YAN



AGENDA

- Basic Tasks
 - Tokenization
 - POS Tagging, Lemmatization, Stemming
 - Stop Words
- Advanced Tasks
 - NER
 - Document Classification
- Neural Network Model
 - Word Embedding
 - Language Model

MATERIALS

- Jupyter Notebook: https://github.com/cskyan/lecture-bionlp/blob/master/notebooks/bionlp_intro.ipynb
- Open in Colab
- Open in your own machine (Python & Jupyter)
 - numpy, scipy, pandas, nltk, ftfy, spacy, sklearn, keras
 - gensim, transformers