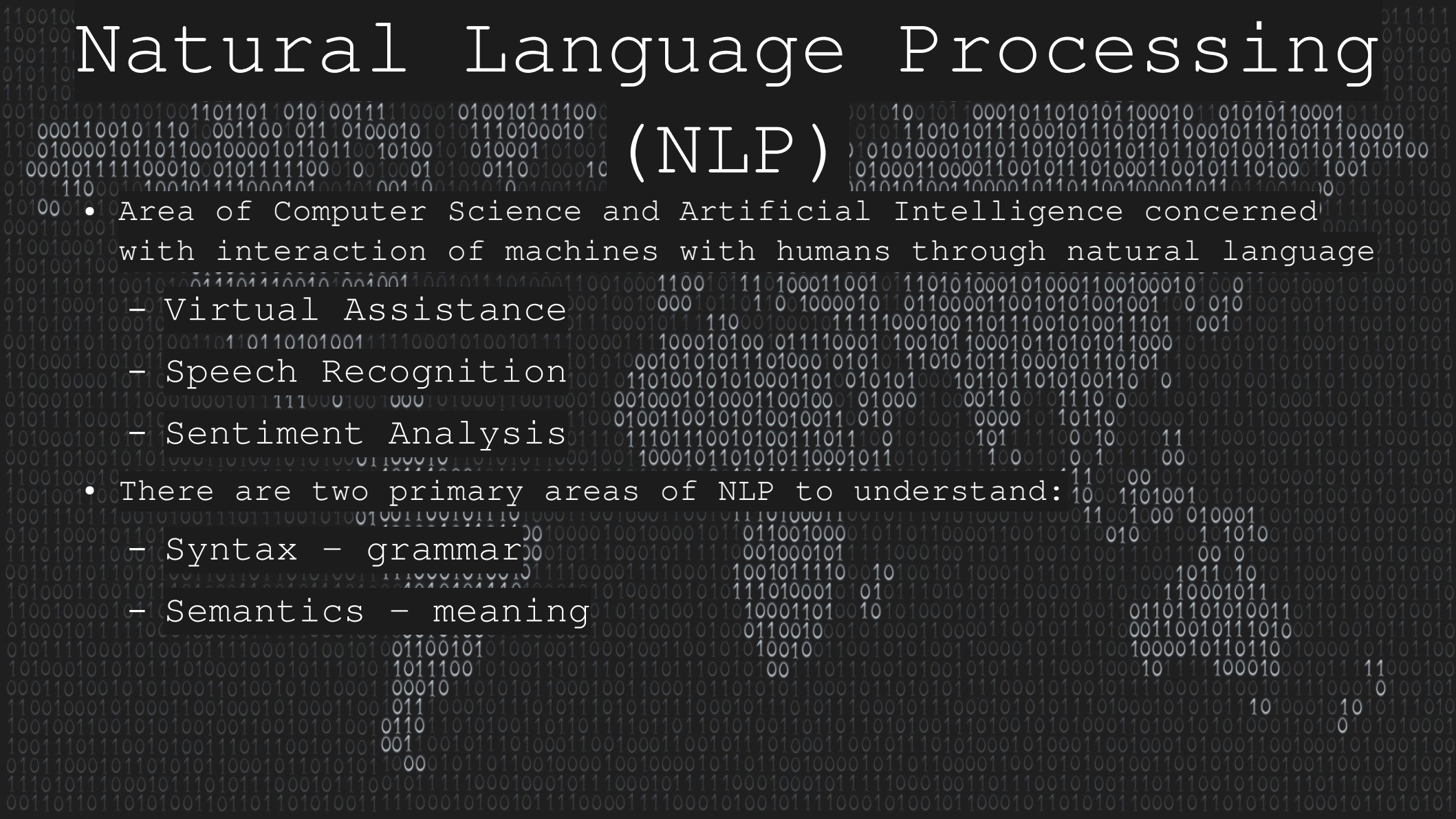


NLP Basics With TensorFlow

What will we be covering?

- Foundations of Deep Learning and NLP
- Tensorflow
- Fundamentals of NLP – Syntactic and Semantic Analysis
- Word Embeddings– Application and Hands-on
- Projects based on Neural Networks – RNN, CNN



Natural Language Processing (NLP)

- Area of Computer Science and Artificial Intelligence concerned with interaction of machines with humans through natural language
 - Virtual Assistance
 - Speech Recognition
 - Sentiment Analysis
- There are two primary areas of NLP to understand:
 - Syntax - grammar
 - Semantics - meaning

Techniques in NLP

- Parsing
 - Resolves a sentence into component parts using a parse tree and also describe the syntactic rules
- Stemming
 - Process of reducing words to their stem
- Text Segmentation
 - Transforming text into meaningful units - words, sentences, intent etc
- Deep Learning for NLP
 - Produces the best results of all techniques

Preprocessing Textual Data

- Character Encoding



- Word Encoding

