**NLP and Word Embeddings**

**1/ Word Representation:**

Text

Description automatically generated

Table

Description automatically generated

Diagram

Description automatically generated

**2/ Using Word Embeddings:**

Chart, box and whisker chart

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Shape

Description automatically generated

**3/ Properties of Word embeddings:**

Chart

Description automatically generated

Diagram, text, letter

Description automatically generated

**4/ Embedding Matrix:**

Diagram

Description automatically generated

**5/ Learning Word Embeddings:**Table

Description automatically generated

Diagram

Description automatically generated

* **Learning matrix E**

Diagram

Description automatically generated

**6/ Word2Vec Algorithms:**

Diagram, text, letter

Description automatically generated

Text, letter

Description automatically generated

**7/ Negative Sampling:**

Diagram

Description automatically generated**.**Diagram, text

Description automatically generated

Diagram

Description automatically generated with low confidence

**8/ Glove Word Vector:**

Text

Description automatically generated with low confidence

Diagram, text

Description automatically generated

A picture containing table

Description automatically generated

Text, letter

Description automatically generated

**9/ Sentiment Classification**

Sentiment classification is the task of looking at a piece of text and telling if someone likes or dislikes the thing they're talking about.

Graphical user interface

Description automatically generated with low confidence

Diagram

Description automatically generated

Diagram

Description automatically generated

**10/ Debiasing word embeddings:**

Graphical user interface, text, application, email

Description automatically generated

Diagram, schematic

Description automatically generated with medium confidence

Graphical user interface, application, Teams

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, application, Teams

Description automatically generated

Graphical user interface, application, Teams

Description automatically generated

Graphical user interface, text, application

Description automatically generated