Objective:

The objective of our project was to classify companies if they use AI or not by classifying them using text.

Data:

The data was contains 4894 rows and 8 columns our columns were crunchbase_ID, home_text, aboutus_text, overview_text,whatwedo_text,company_text, whoweare_text and AI.

The Ai columns was containing 1 and zero where 1 mean the company uses AI and 0 means the company doesn't use AI.

My work:

I started to clean the data and I have dropped the unwanted columns as aboutus_text, overview_text,whatwedo_text,company_text, whoweare_text as they contain the same data found in home_text then I have counted the words in the ome_text data to classify the companies depending on the text so not using the straight forward method such as logistic regression and as my projects were usually on image recognition using Convolutional neural networks but I know that this neural network is not the best for the text classification so, I have used normal neural networks to classify my data so, I started to search on the internet how to make text classification using neural networks and try to find the best network (that's why it took me a long time to submit) to fit my data as a result my accuracy 82% which is below the wanted accuracy to pass this test which is 85% but it was the best I have got.

At last thanks for giving me the opportunity to work on this project which helped me to read more about text classification and how to deal with it.