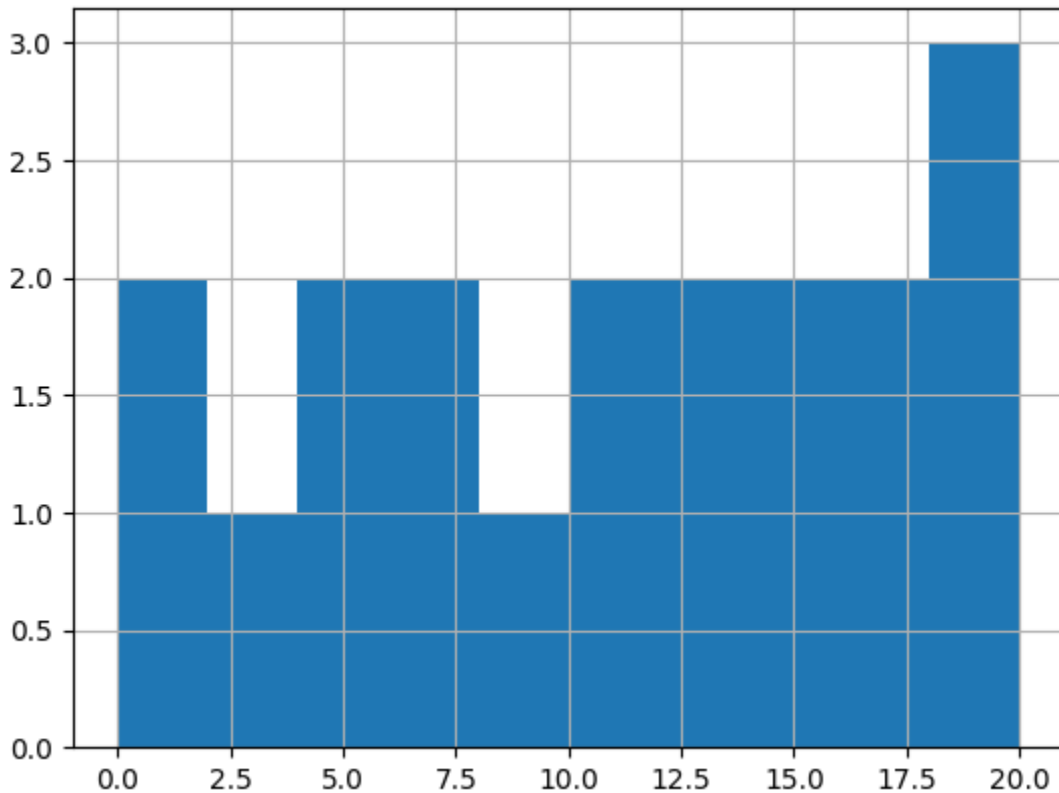# Text Classification

Classes distribution graph:

The comparison is done through a data set of best-selling Nintendo Switch games, comparing the titles of the game and the names of the developing company. A title example would be Astral Chain, and a developer example would be Arc System Works.

Performance analysis:

Sequential, RNN, and Embeddings all performed fairly well. However, this is not perfect, and it could be affected by the following reasons:

1. Although a small data set was recommended, it is possible that the data set was too small.
2. There is not much similarity in general word usage across video game titles and developer studio names, creating a study environment that does not take full advantage of text classification qualities.