

# Deep RNN Solutions

Group 6

## 1

Pros:

- Memory cells allow the network to retain important info over time
- Allows better processing of sequential data
- Good for generating sequences as well
- Generally more fitting power

Cons:

- Longer Computation times
- More complexity
- Not completely solving the exploding gradient problem
- Not as hardware efficient
- Prone to overfitting

## 2

The power from the Deep structure is to have a sequence of Weighted Dense layers, rather than just one set of inter-layer weights. This also allows the RNN to remember better context surrounding the current input, without increasing the complexity too much.