ARIMA algorithm:

Advantages: The model is very simple, requiring only endogenous variables without recourse to other exogenous variables.

Disadvantages: The time series data is required to be stable or stable after differential differentiation, which can only capture linear relationship rather than nonlinear relationship in essence.

BP neural network:

Advantage: The model is optimized automatically by back propagation algorithm. We only need to ensure that the forward process of the network is a differentiable process to use bp neural network

Disadvantages: Overfitting problem, the use of back propagation algorithm can often make the loss of training set to be relatively small, but the loss of test set will increase.

For all models:

Disadvantages: We only found the attribute of repeated letters in words as a parameter to build the model, so there will be problems such as low fitting accuracy and large error.