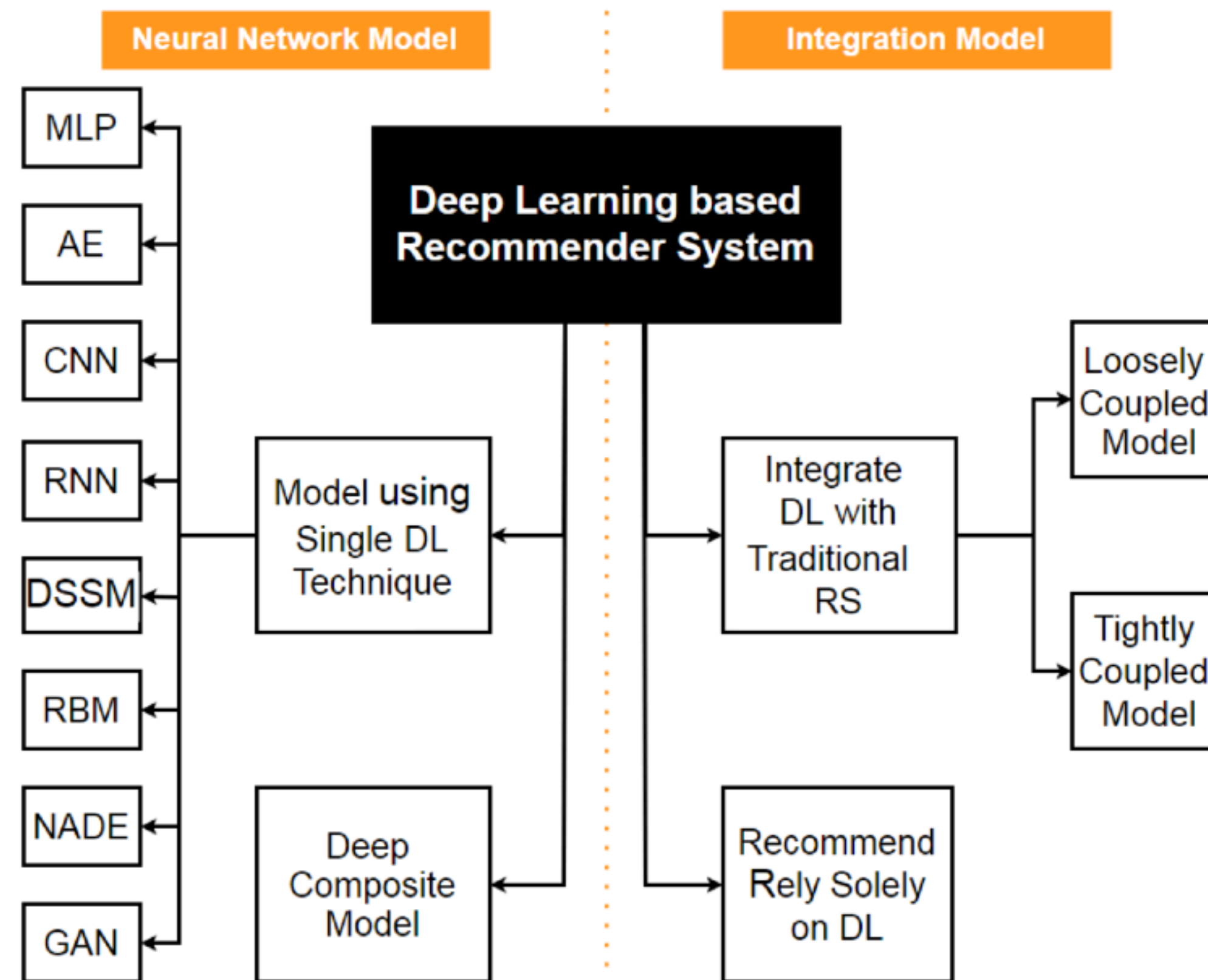# Referência: Survey de Jul/2017

Fig. 1. Two-dimension scheme for classification of deep learning based recommender system. The left part illustrates the neural network models, and the right part illustrates the integration models.

- Neural Autoregressive Distribution Estimation (NADE) [57, 108] is an unsupervised neural network built atop autoregressive model and feedforward neural network. It is a tractable and efficient estimator for modelling data distributions and densities.

# Proposta Inicial