

2016
GRU4Rec

2018
MANN

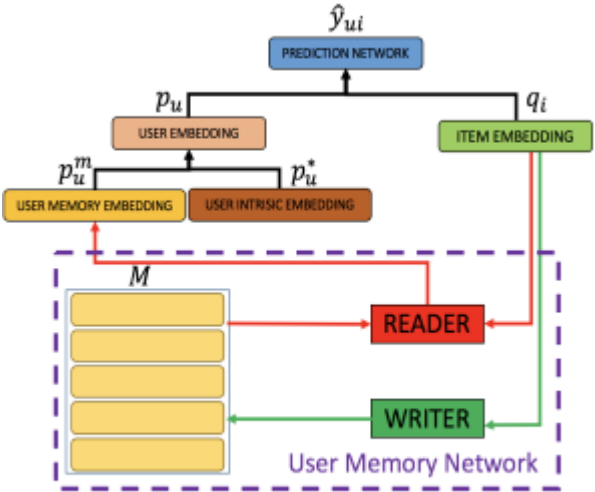
2018
SHAN

2019
HPMN

Self-Attention → Hierarchical
Attention Network

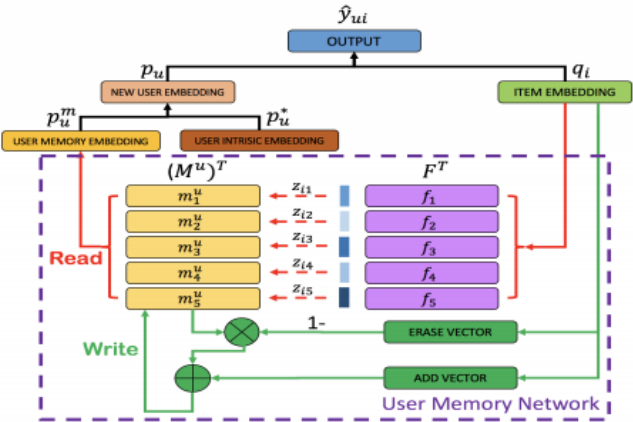
Hierarchical Attention Network →
Hierarchical Periodic Memory Network

GRU → User Memory Network

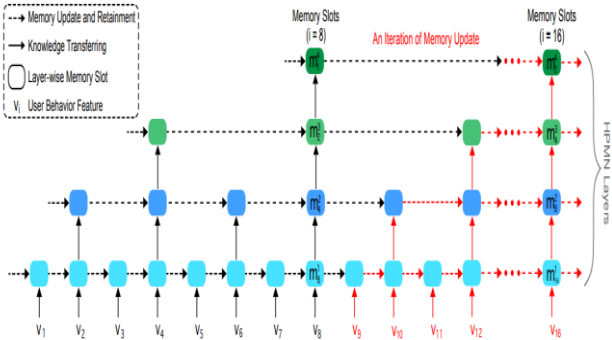


(c) The general framework to implement our idea

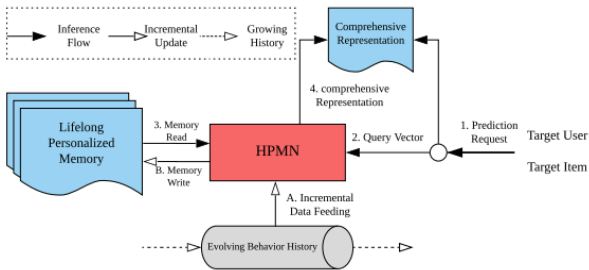
memory-augmented neural
network (MANN)



(b) Feature-level RUM



Hierarchical Periodic
Memory Network, HPMN



Lifelong Sequential Modeling