Graph Convolution Network 그래프 내부의 연결관계를 정의 → hocial Graph, 3D Mesh, Molecular Graph

$$G = (V, E_{, A})$$

vertex Edge Adjacency motnix

-> Graph Convolution Network

make each layer of network update values of each node feature

$$H^{(1+1)} = \Delta \left(AH^{(0)}W^{(1)} + b^{(0)}\right) \leftarrow h^{\pm 1} = W^{2} * h^{(1)}$$
output abaconcy weights (shared) suppleature keinel
feature matrix input feature

· overall structure of GCN

 $\rightarrow H = \psi(A, X) = \delta(AXW)$

인접방얼고객.

Input -> [Graph Conv] *N -> ReadOut -> Redictor -> Output

+ node

| Material Reduce FCS+UFF Find node { H; W}

| Matrix & Divel States

Input node Acatores & Hill)

MATTIX & SHUEL

奶地

(处积05 班)

· 3号9111 : Interption, Skip Connection (Residual Block), Attention H(18+1) = 女(区《HW)