

# Model i9C Graph Attention Abation Study

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# Node Classification

- Draw an edge in class 0 with probability  $p$
- Draw an edge in class 1 with probability  $p$
- Draw an edge between classes with probability  $q$

$$X_i \sim \mathcal{N}(\mu, \sigma^2 I) \text{ if node } i \in \text{Class}_0$$

$$X_i \sim \mathcal{N}(\nu, \sigma^2 I) \text{ if node } i \in \text{Class}_1$$