

# Which Node Attribute Prediction Task Are We Solving?

## Within-Network, Across-Network, or Across-Layer Tasks

- Node attribute prediction tasks arise in a wide range of tasks: spam account detection, user demographic prediction, and more.
- However, clear problem definitions are lacking. Do all nodes have to be connected in a single network instance? What if there are labels in one network but not another?
- In this paper, we propose a taxonomy that distinguishes between different node attribute prediction tasks.

