



作业2：经典点分类方法

- On WebKB-Cornell dataset: implement binary iterative node classification algorithm **following P33-P43 in slides**; (10 pt)
- Node label definition:
 - Original dataset: $y_{org} \in \{0, 1, 2, 3, 4\}$;
 - Our binary label: $y = 0$ if $y_{org} = 0$, $y = 1$ if $y_{org} = 1, 2, 3, 4$.
- Dataset split: Train-test 9:1 random split.

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- How to load dataset:

```
from torch_geometric.datasets import KarateClub, Planetoid, WebKB
from torch_geometric.utils import subgraph, is_undirected

# Load the Cora dataset
dataset = WebKB(root='./datasets/WebKB', name='Cornell')
data = dataset[0]

print(data.edge_index.shape[1])
print(data.y.unique())
print(is_undirected(data.edge_index)) # this graph is directed!
```

✓ 0.0s

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tensor([0, 1, 2, 3, 4])

False