

$$\text{Min} \quad \sum_{i=1}^M \sum_{j=1}^N d_{ij} y_{ij}$$

$$\text{s.t.} \quad \sum_{i=1}^M y_{i1} = 1$$

$$\vdots$$

$$\sum_{i=1}^M y_{iN} = 1$$

**Column
Constraints**

$$\sum_{j=1}^N y_{1j} = 1$$

$$\vdots$$

$$\sum_{j=1}^N y_{Mj} = 1$$

**Row
Constraints**

$$y_{ij} \in \{0, 1\} \quad \forall i, j$$