

Finding accurate answer is a sequential decision learning

- ▶ State

Current Entities

Name: [],
Organization: public
research center,
Year: []

New Entities

Name: Liliana
Estrada Galindo,
Organization:
university of Oxford
Year: []

Vector: [confidences of current entities, confidences of new entities, matches to original entities in DataBase]

- ▶ Actions: reconcile entities, query

- ▶ Reward: $r(s, a) = \sum_{i \in \text{entities}} \text{Acc}(e_{\text{cur}}^i) - \text{Acc}(e_{\text{prev}}^i)$