

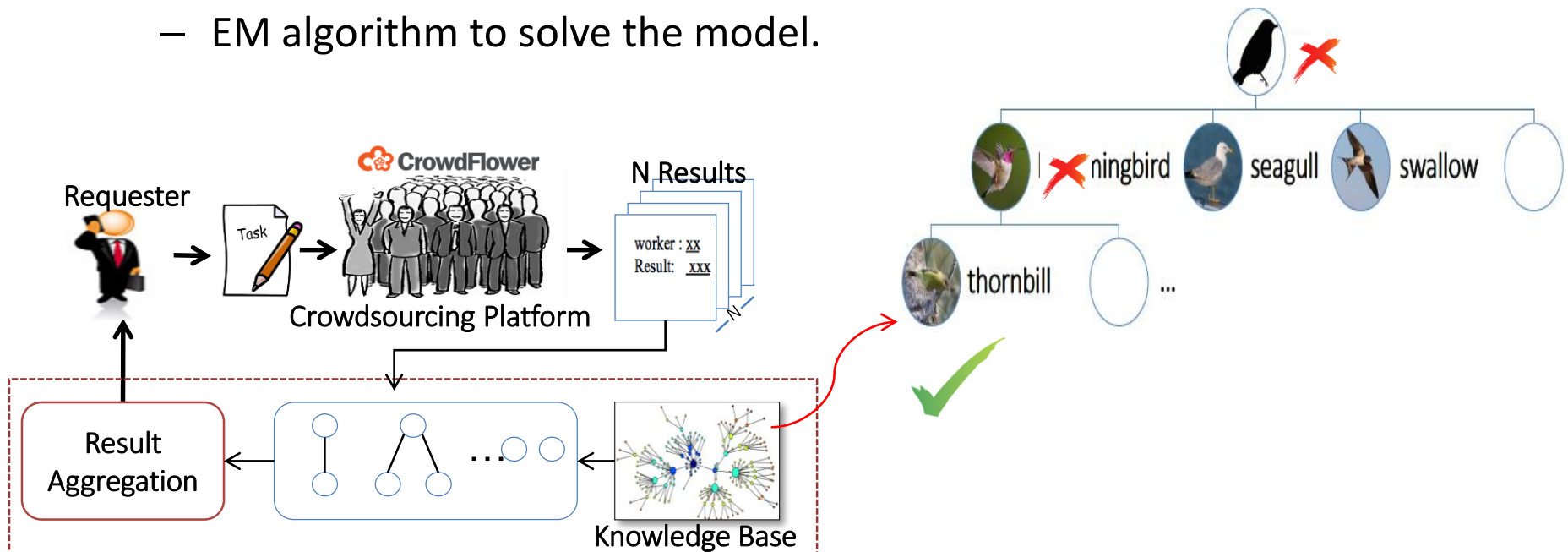
Find truth in the hands of the few:
acquiring specific knowledge with
crowdsourcing

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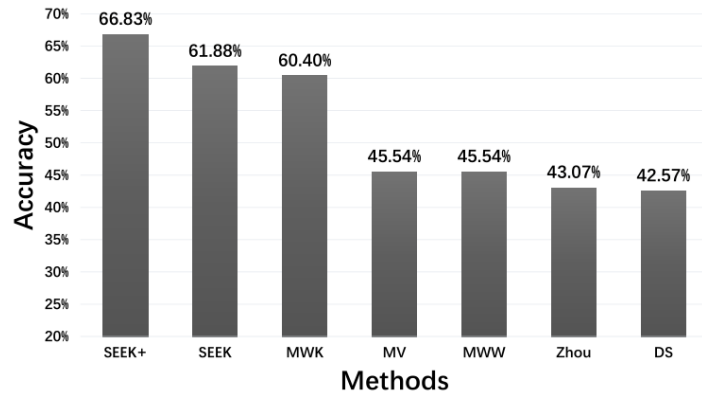
Problems & Ideas

- Problems of Acquiring Specific Knowledge with Crowdsourcing
 - E.g. {bird, ningbird, thornbill, bird, bird, bird }. Using majority voting method, the results is “bird” while the true label is thornbill
- Ideas: Incorporating external knowledge into crowdsourcing
 - SEEK+ model: Label relation database + probabilistic graphical model
 - EM algorithm to solve the model.

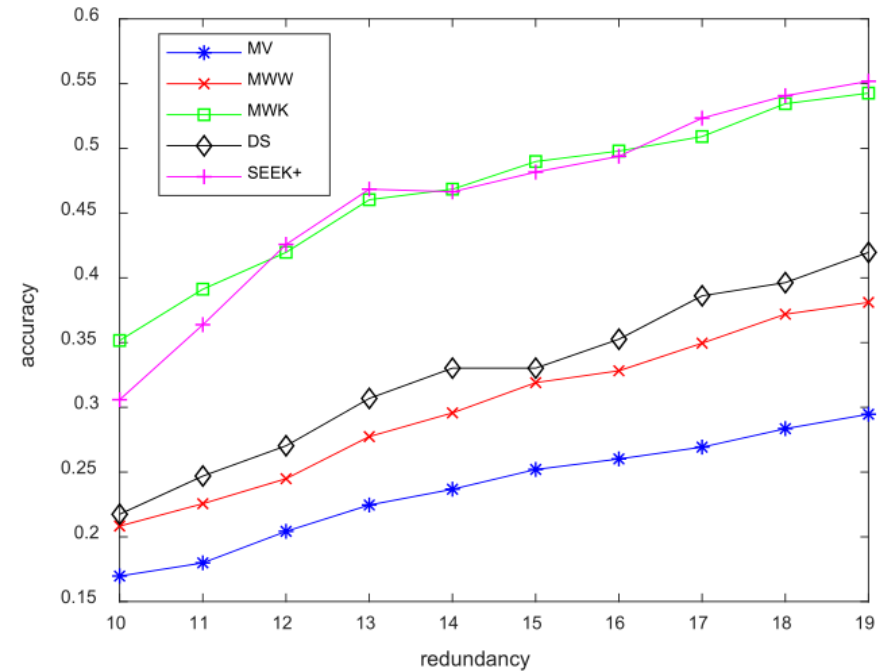


Main Contributions

- Accuracy of different algorithms on LEVAN data.



- Accuracy of different algorithms on BTSK data.



- Results of semi-SEEK+ model

