

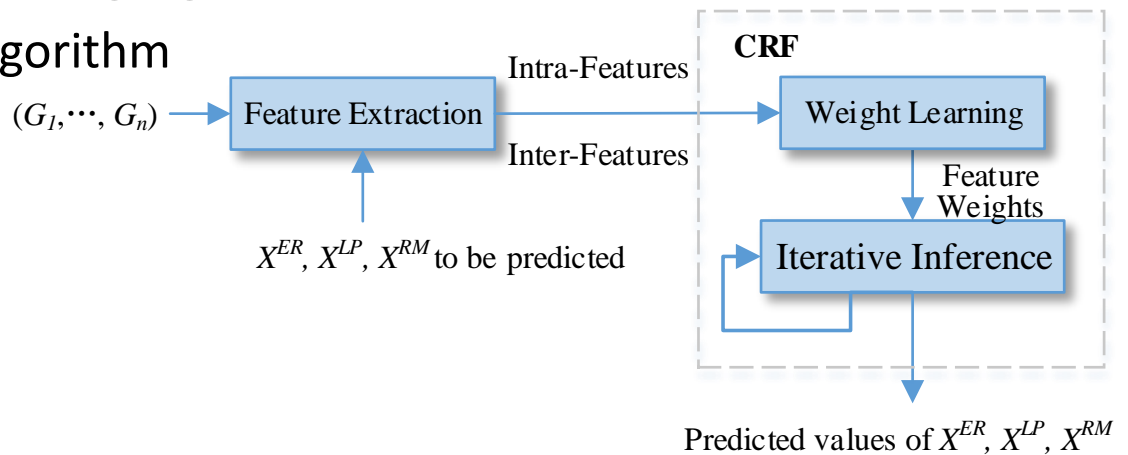
Information networks fusion based on multi-task coordination

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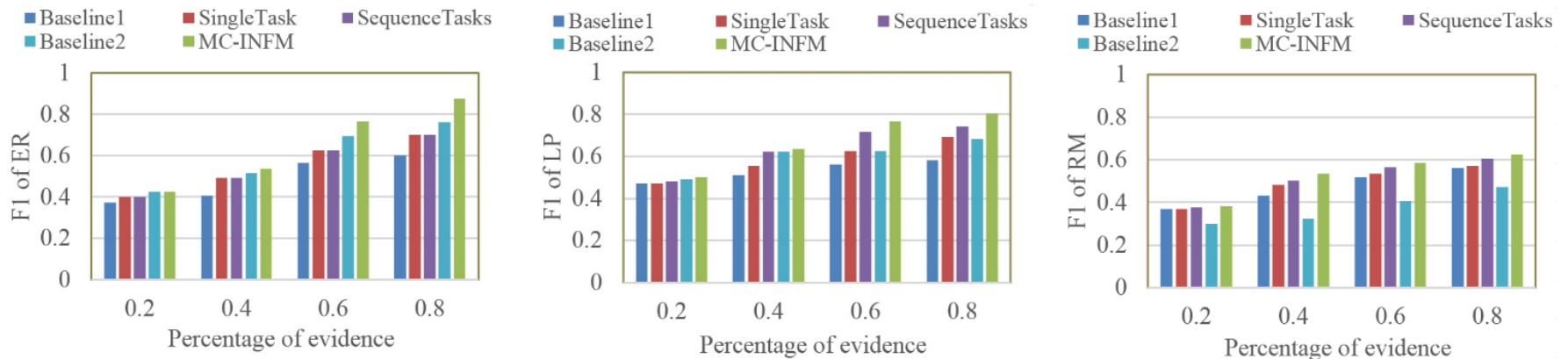
Frontiers of Computer Science, DOI: [10.1007/s11704-020-9195-9](https://doi.org/10.1007/s11704-020-9195-9)

Problems & Ideas

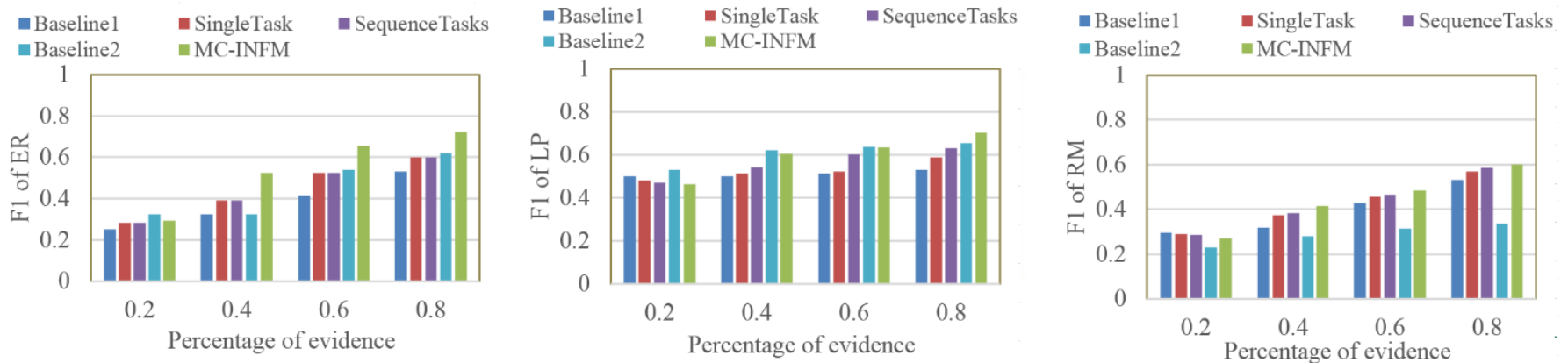
- Problems of information networks fusion
 - For multiple tasks, how to capture the interaction between their predicted results?
 - How to reason jointly to generate the hidden information network?
- Ideas: MC-INFM (Information Networks Fusion Model based on Multi-task Coordination)
 - Define both the intra-features for each task and the inter-features based on multi-task coordination
 - CRF-based weight learning algorithm
 - Iterative inference algorithm



Main Contributions



(a) Comparison of different models on F1 (Fusion of ReVerbI and ReVerbII)



(a) Comparison of different models on F1 (Fusion of YAGO and DBPEDIA)