

Toward to Industrial Knowledge Graph

Interaction

Human-machine Co-evolvement

- break human thinking-sets with creative discovered by machines
- humans and machines mutually assist and evolve together

Interpretability

Interpretability of Deep Model

- model outputs accompany by scientific physical understanding
- interpretable methods, physical/statistical method

Multi-source Resources

Multi-source Knowledge Aggregation

- utilize multi-sourced heterogeneous data
- different modalities learn from each other' s strength

Learning with Limited Data

Few-shot and Zero-shot Learning

- transfer learning, knowledge distillation, and pre-training model
- automate improve the industrial processes