

# IA neurosymbolique

Améliorer les systèmes de classification neuronaux avec de la connaissance  
logique *a priori*

## Neuronale

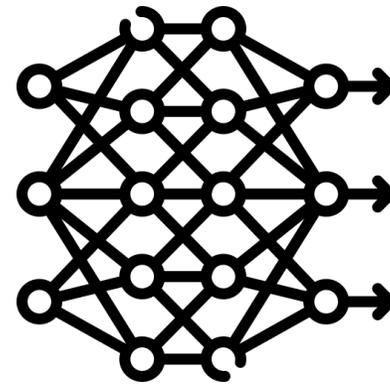


## Symbolique

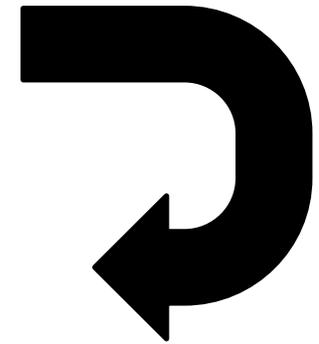


## Entrainement

Données étiquetées

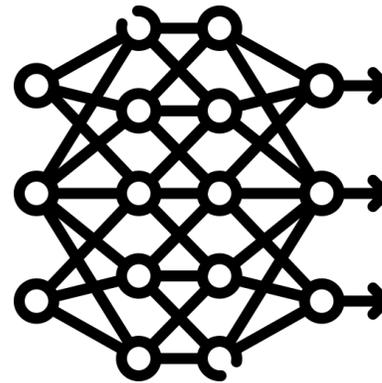
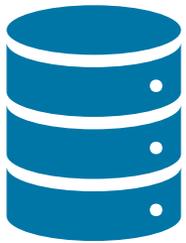


IA neuronale



## Inférence

Données



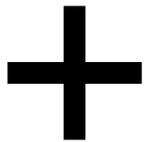
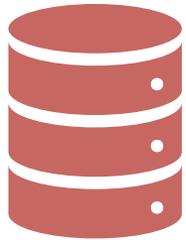
IA neuronale



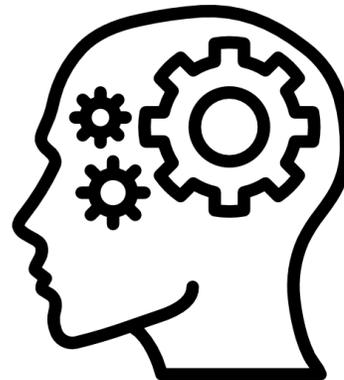
Étiquette



Connaissances



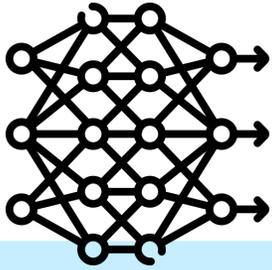
Requête



IA symbolique



Réponse

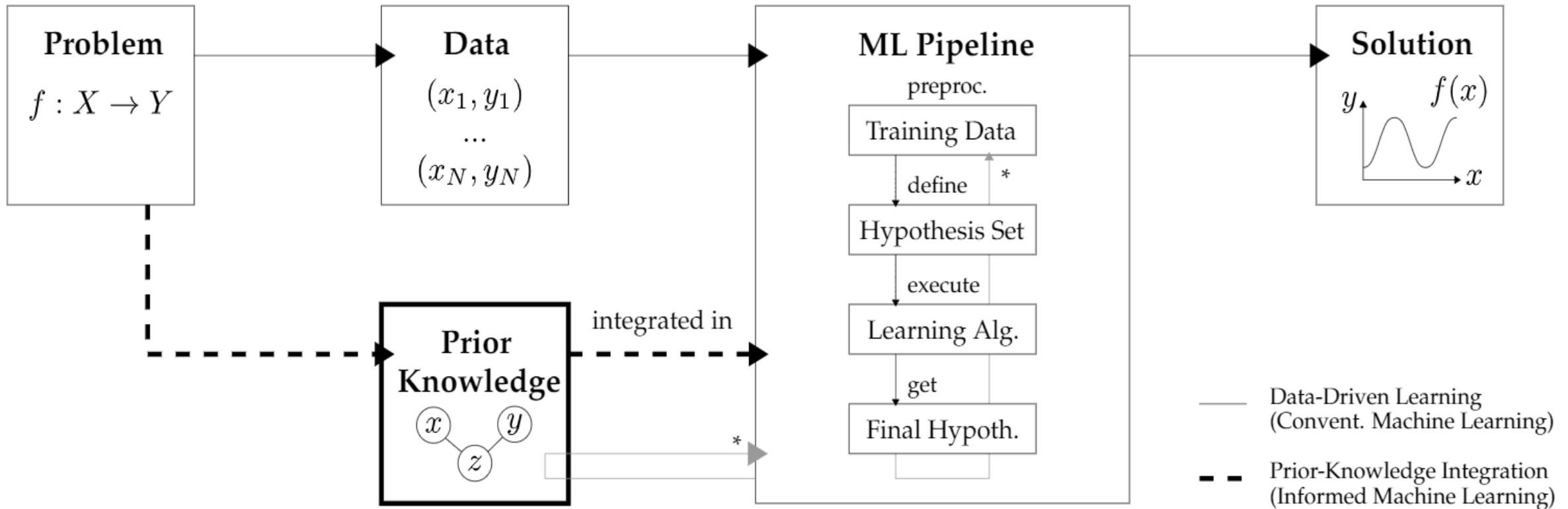


- ✓ Rapide
- ✓ Flexible
- × Robuste
- × Explicable
- × Sobre (données, calculs)



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- ✓ Robuste
- × Flexible
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- × Sobre (connaissances, calculs)

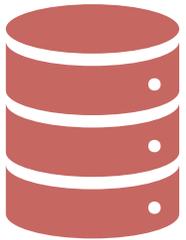
# Informed Machine Learning



Laura von Rueden and al., Informed machine learning – a taxonomy and survey of integrating knowledge into learning systems

# Conditionnement Sémantique à l'Inférence

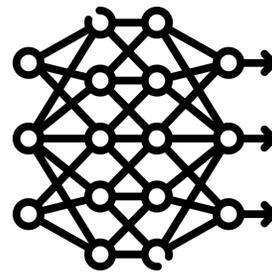
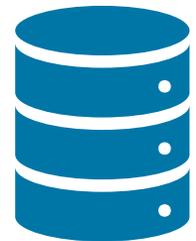
Connaissances



+



Étiquette valide



Données

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