Neural-Symbolic Systems

Deep Learning

Logic

$$(p \wedge (p \rightarrow q)) \rightarrow q$$
$$(\neg q \wedge (p \rightarrow q)) \rightarrow \neg p$$
$$(p \rightarrow q) \rightarrow (\neg p \vee q)$$
$$((p \vee q) \wedge \neg p) \rightarrow q$$

Knowledge Graphs

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do …

NLP

$$(BK, E^+, E^-) \xrightarrow{induce} H$$
$$where$$
$$(BK, H) \models E^+$$

ILP

Semantic Web