

# Schema Independent Relational Learning

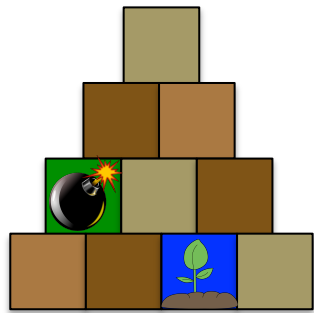
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Oregon State University

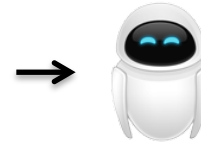


Mission: Find any sign of **life** on Earth.

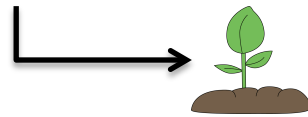


boxes			
box	item	color	desc
1		green	solid
2		blue	wet

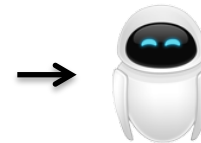
The result of **current** learning algorithms depend on the schema.



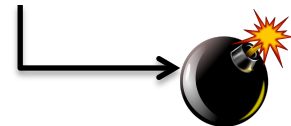
life(x) :- boxes(y,x,z,wet).



contains		color		description	
box	item	box	color	box	desc
1		1	green	1	solid
2		2	blue	2	wet



life(x) :- contains(y,x), color(y,green).



People represent same data using different schemas.

We want to learn same accurate answers over all possible schemas for the same information.

life(x) :- boxes(y,x,z,wet).



life(x) :- contains(y,x), color(y,z), description(y,wet).

**Castor**: schema independent, accurate and efficient. It leverages concepts of schema design.

