

Unsupervised w/o Schema

K Training Dialogues with 0 belief

states labelled

No known schema or belief state

structure

Predict (typically aligned to real after learning)

(Schema Induced)

Schema & DB

(schema.json)

"hotels":

states labelled

observed

Semi-supervised w/ Schema

Schema & DB

(schema.json)

{"hotels":

~10s-100s Labelled Training

Dialogues

~100s-1000s Unlabelled Dialogues

Full schema & belief state structure

observed

Given

Full Domain Transfer

Source Schema

& DB

{"flights":

All source domain

Training Dialogues

Target Schema & DB

(schema.ison)

{"hotels":

All target domain

Training Dialogues

Full schema & belief state structure

observed

[...],

Given

Predict



