CODE DESCRIPTION

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ROLE ESTIMATION USING DNN, #2

Day-x only models:

- Trained using game logs from September 3rd to October 31st.
- Half of the logs is for training and the rest is for validation.

Role discrimination accuracy of trained DNN (15 agents)

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	date						
Role	1	2	3	4	5	6	7~
Werewolf	0.84	0.86	0.87	0.87	0.88	0.88	0.88
Villager	0.84	0.85	0.85	0.85	0.85	0.85	0.86
Seer	0.94	0.93	0.94	0.94	0.93	0.93	0.93
Possessed	0.94	0.94	0.94	0.93	0.92	0.91	0.90
Medium	0.97	0.98	0.98	0.98	0.97	0.97	0.97
Bodyguard	0.70	0.71	0.72	0.72	0.73	0.71	0.74

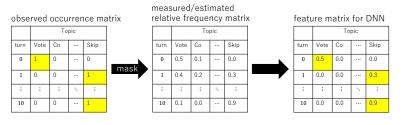
Role discrimination accuracy of trained DNN (5 agents)

	date		
Role	1	2	
Werewolf	0.86	0.96	
Villager	0.91	0.94	
Seer	0.94	0.94	
Possessed	0.96	0.96	

ROLE ESTIMATION USING DNN, #1

Feature vector:

In addition to the conventional features, the utterance pattern on day 1 is used aiming for potential estimation of team.



2

"To deceive the enemy, first deceive yourself."

In acting as fake role, to deceive other agents, the player agent deceives its inner agent of that fake role, while providing fake game information.

