

# Improving Robot Learning from Feedback and Demonstration using Natural Language

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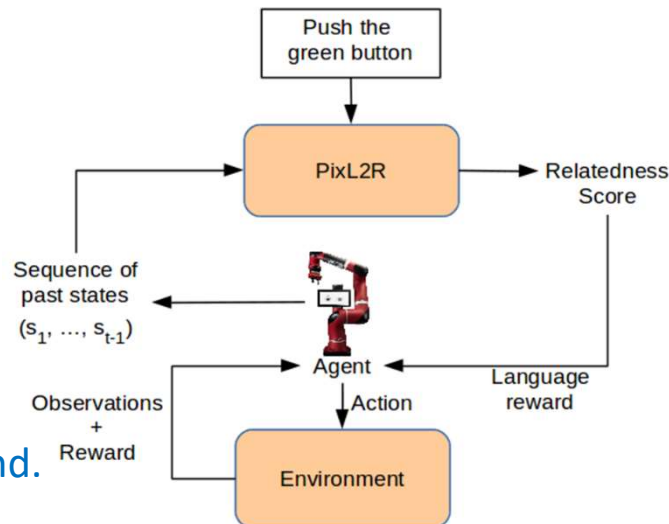
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## Challenge

- Use natural language narration to aid robot learning from feedback and demonstration.

## Solution

- Generate rewards from relatedness of state seq of images and language command.
- Use natural language as supervised attention to improve generalization.



## Scientific Impact

- Novel methods for using natural language to improve task learning from limited training data.

## Broader Impact

- Allow novice users to naturally and effectively train robots to perform novel tasks.
- Improve education for grad, ugrad (FRI), and HS (First Bytes) students.
- Measure improved learning rate from using natural language narration.