

## **APRICOT:**



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## Solving Personalized Tasks in Constrained Space



Demonstrations alone cannot collapse uncertainty about user preferences

Ask Clarification Question

**Active Preference Learning** 

Challenge 1:

Challenge 2: User preferences can conflict with environmental affordance.

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Replan with Feedback



**APRICOT** effectively infers user preferences while asking the fewest questions

APRICOT balances satisfying user preferences and respecting environmental constraints

