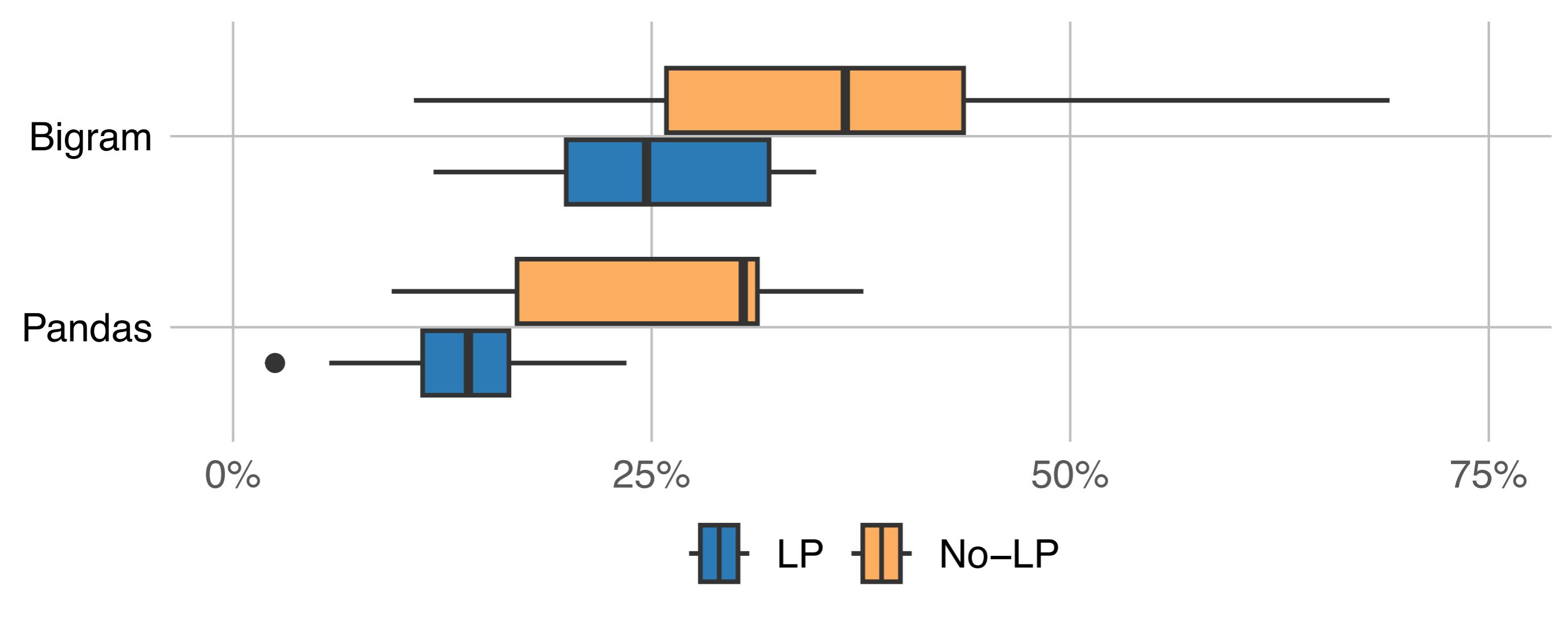




Validation strategies affect results.



% time reading code

suggestions

LP reduces the need for code examination in tasks  
amenable to *validation by execution*

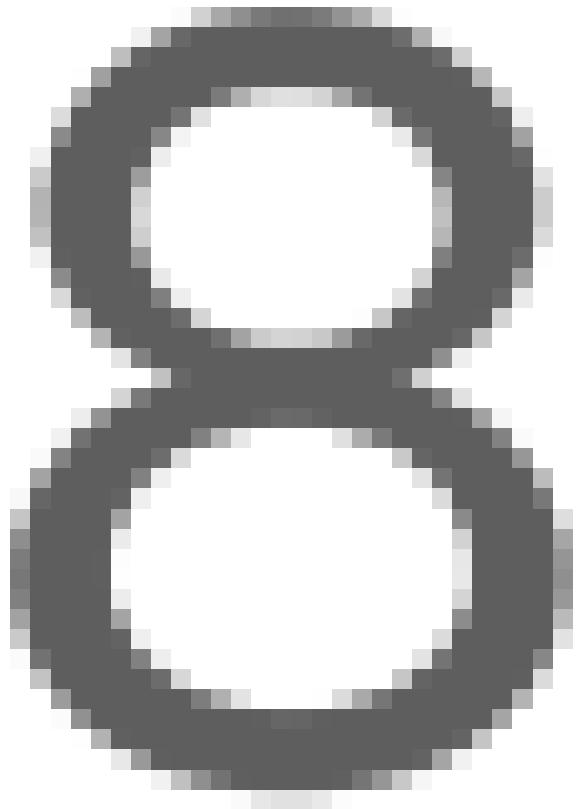
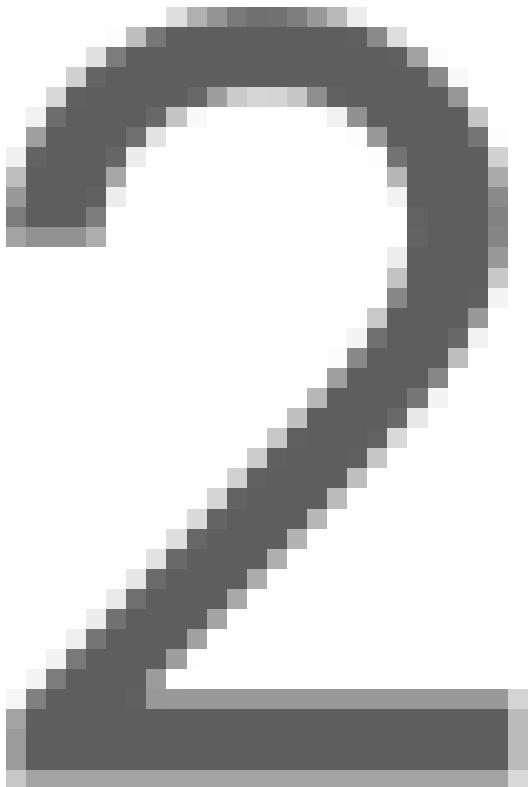
*"I didn't look too closely in the actual code, I was just looking at the runtime values on the side." (P1, Group LP)*



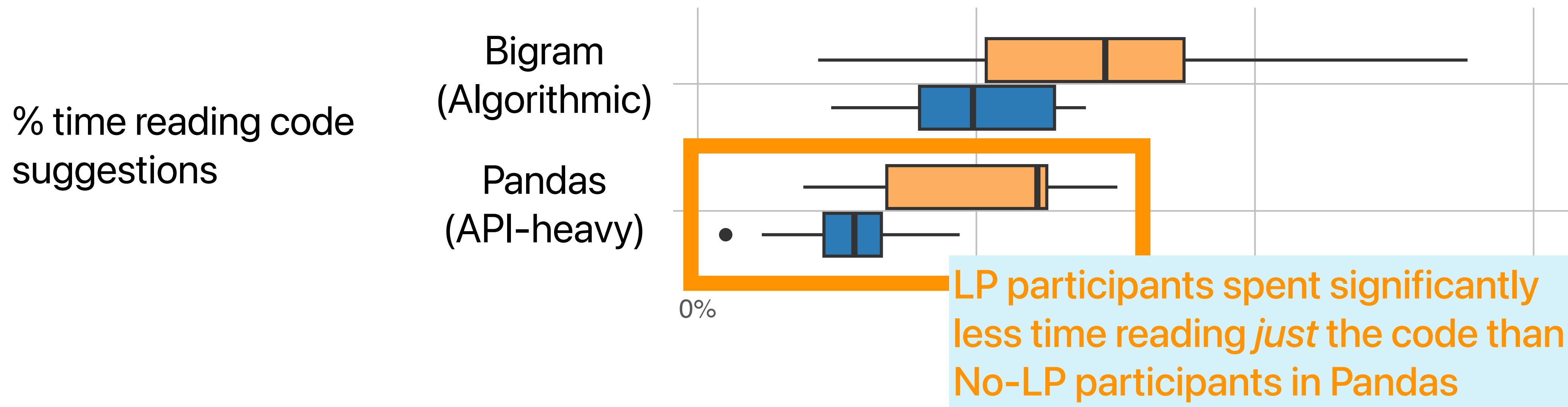
LP participants spent significantly less time reading *just* the code than No-LP participants in Pandas

# Bigram (Algorithmic)

# Pandas (API-heavy)



# Results: Effects on Validation Strategies



*"I didn't look too closely in the actual code, I was just looking at the runtime values on the side." (P1, Group LP)*

LP reduces the need for code examination in tasks amenable to validation by execution

# Results: Effects on the Cognitive Load

