

# Teaching Assistants as Assessors

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Formal Methods and Tools Group

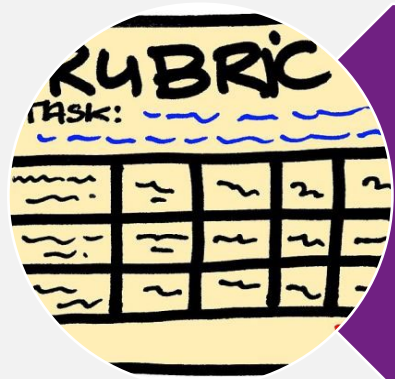
## Introduction

**Highlight** challenges of using untrained teaching assistants for grading

**Offers** strategies for effective TA deployment and methods to identify grading inconsistencies



## Problem Statement and Background



Consistency



Time and Resources



Training and support



Expertise

Assessment Types

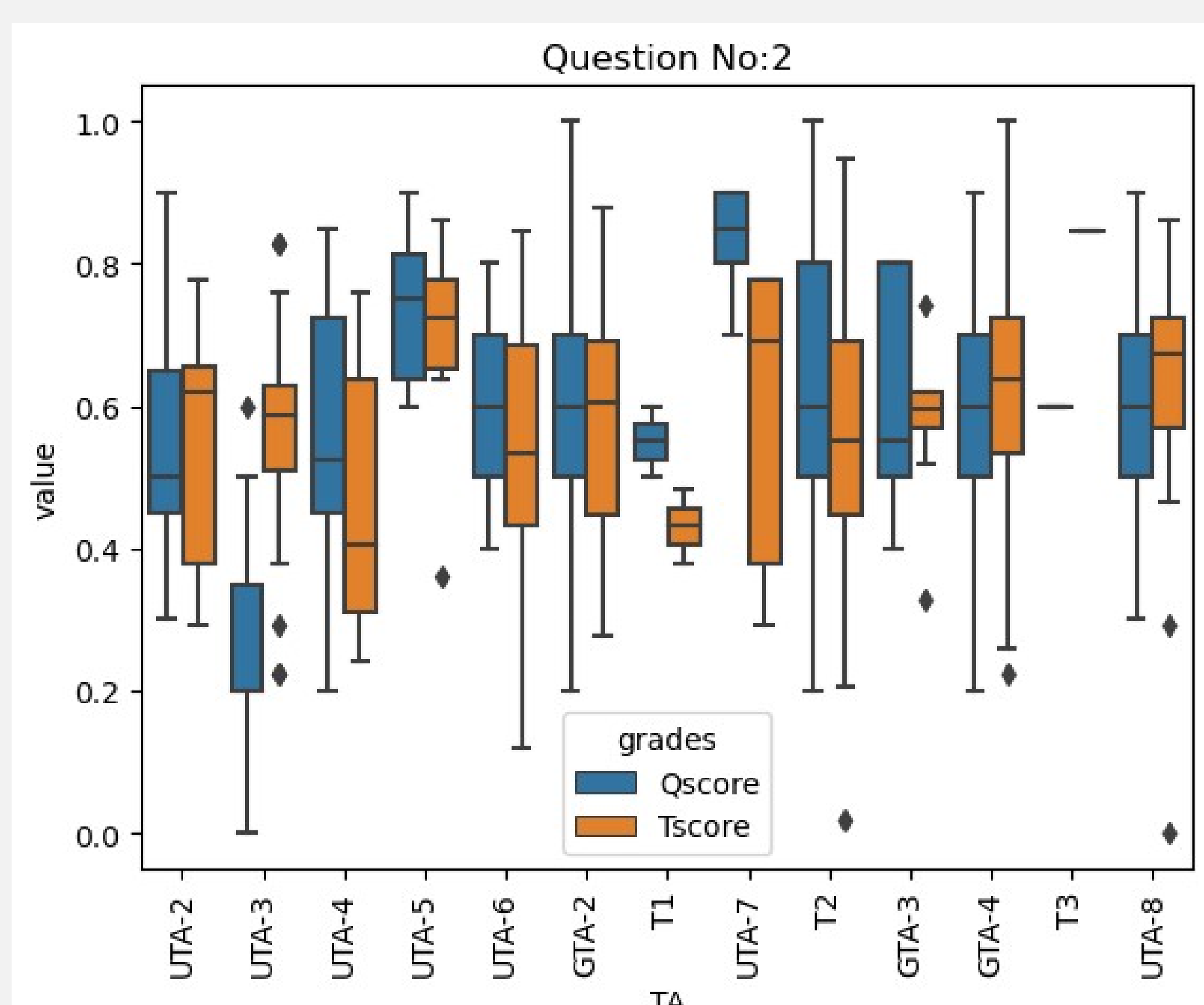
Recall

Interpretative judgments

## Recommendation

- 1.Hire Wisely:** Prefer graduate students; select top undergrads.
- 2.Train TAs:** Emphasize assessment roles, feedback, and plagiarism.
- 3.Monitor Grading & Detect Anomalies:** Use tools for consistent analysis and spotting irregularities.
- 4.Ensure Anonymity and Uniformity:** Maintain student privacy; organize joint grading sessions.

## Detecting Anomalies



The plot shows grades obtained by student for a question (blue box plot) and the total score obtained by a student (orange box plot). Both scores are scaled between 0 and 1. UTA4 have assigned lower grade for this question, while for the same student population, their overall score is much higher. Thus, this grade section requires further investigation either by a teacher or another TA.

Finally!

"Large language models are not just reshaping our tools; they're redefining the very fabric of human knowledge and challenging us to reassess what it means to truly learn."-ChatGPT