

# Using AI-Developed Rubrics to Assess Students' Case Study Responses

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## Abstract

Creating transparent and detailed rubrics is a best practice in assessment but faculty can find writing them is difficult and time consuming. The challenge is incorporating the concepts of assessment into rubrics that have clear distinctions on the quality and performance standards. This article proposes the use of Artificial Intelligence (AI) to develop rubrics to use for evaluating student work. Detailed rubrics also benefit students who can better understand the distinctive characteristics that delineate the quality of their work. The paper also includes an overview of the privacy issues associated with the use of AI and offers insight into how to find and use AI that does not share data to train the AI model. The options include both professional AI models and also locally-hosted AIs that run entirely on a laptop or desktop without accessing or sharing data online. The article also notes that users must maintain their role as the expert and question the assumptions and output of the AI model in order to assure its validity.

**Key words:** Artificial Intelligence, Assessment, Case Study Teaching