

AI Agent Instructions for Academic Assessment

A Guide for Teachers Using AI Agents to Analyze Student Work

Overview

This guide provides instructions for using AI agents to analyze student essays and academic papers. The agent will evaluate student work against provided rubrics and generate detailed feedback for improvement.

Required Materials

1. Student essay or paper (PDF format)
2. Grading rubric (PDF format)
3. Sample academic paper for comparison (optional)
4. Your API key stored in api_keys.txt file

Setup Instructions

Step 1: Organize Your Files

Create a working directory with the following structure:

```
/TeachingMaterials/  
  /StudentWork/  
    - sample_student_essay.pdf  
  /Rubrics/  
    - essay_rubric.pdf  
  /References/  
    - sample_academic_paper.pdf  
  /Output/  
    - (Agent will create feedback files here)
```

Step 2: Prepare Your Agent Prompt

Use natural language to instruct the agent. Example prompts:

Example 1: Basic Assessment

"Analyze the student essay in /StudentWork/ using the rubric in /Rubrics/. Evaluate the essay across all rubric categories. Provide specific scores and detailed feedback for each criterion. Identify strengths and areas for improvement. Save the feedback report to /Output/feedback_report.pdf"

Example 2: Comparative Analysis

"Compare the student essay in /StudentWork/ with the academic paper in /References/. Identify differences in structure, argumentation, and writing style. Provide specific examples of how the student can improve their work to meet academic standards. Use the rubric in /Rubrics/ as evaluation criteria. Generate a detailed comparison report in /Output/"

Example 3: Targeted Feedback

"Focus on evaluating the student essay's argumentation and use of evidence. Assess how effectively the student supports their claims with specific examples. Reference the rubric's content criteria. Provide 3-5 specific suggestions for strengthening arguments. Save feedback to /Output/argument_feedback.txt"