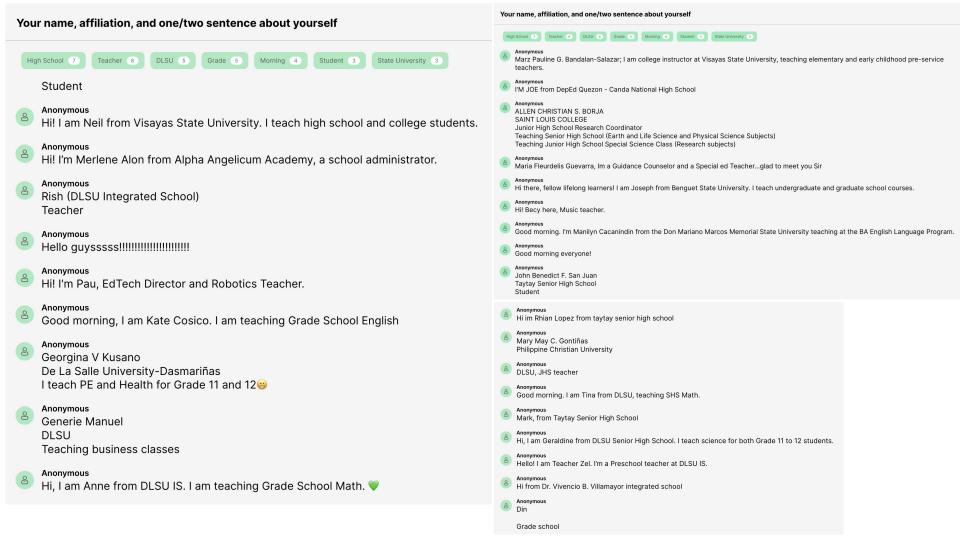


## Understanding students' working processes to provide personalized feedback in the AI era

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#### **About Me**

Associate Professor at UMSL

My Research Interests:

Explainable AI & Education Technologies

#### Courses I Teach:

- Data Visualization ♥
- Interpretable Machine Learning
- Deep Learning
- Artificial Intelligence



Aayog & Samyog

### Context: Should we let students use Al?



Scale of Writing Development

Extent of Al Usage

## How can teachers facilitate reflective writing processes?

# How can teachers support writerly development and creativity?

At school and beyond?

One possibility...

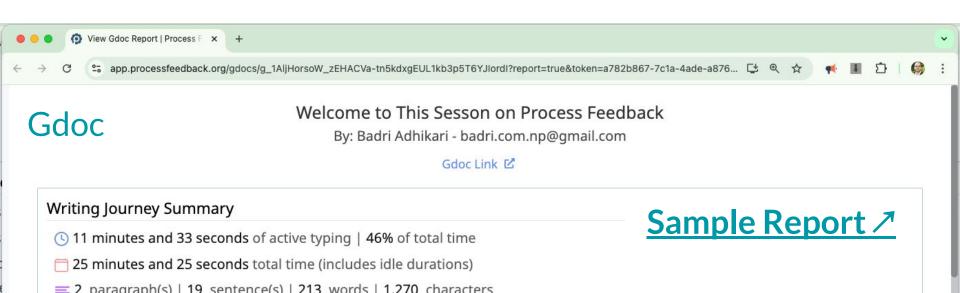
#### Demo of Process Feedback

#### **Demo of Process Feedback**



Read about the Process Feedback tool.





#### **About Process Feedback**

## Who is using Process Feedback?

- The Google Docs extension (released on July 2024)
  - ~10,000 students/teachers in 100+ countries
    - ~20,000+ documents served so far

#### Process Feedback's Accessibility



- It is free
  - requires no sign up



- It is privacy-centered
  - data is stored locally in the browser



- Google Docs support
  - released in August 2024



- Google Colab support
  - released in January 2025



- Approved by UM System's IT Compliance
  - o for use in all four campuses

### First publication



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#### Thinking beyond Chatbots' Threat to Education: Visualizations to **Elucidate the Writing or Coding Process**

by Badri Adhikari 🖾 🗓

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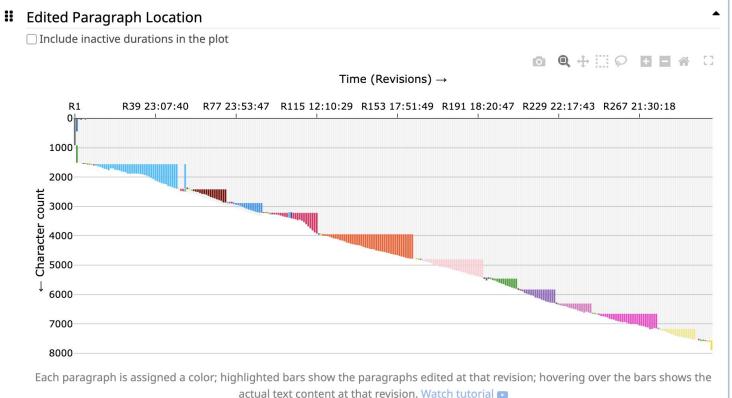
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## Why Does It Matter?









If you could see your students writing process, what kinds of feedback will you offer them?



