

Paper 1: Youtube Data Analysis using Linear Regression and Neural Network

Accomplishments and Limitations: The use of predictive models for video performance analysis is effectively demonstrated in the paper. Nevertheless, it prioritizes analytics over educational adaptation.

Paper 2: The impact of Motivation to watch YouTube Engagement

Accomplishments and Limitations: Though it focuses on audience engagement rather than individualized instruction, it offers a behavioral perspective on YouTube usage.

Paper 3: Development and Techniques in Learner Models for Adaptive E-Learning

Accomplishments and Limitations: Identifies gaps in empirical validations but offers a solid foundation for adaptive learning systems.

Paper 4: Effects of AI-Enabled Personalizations Recommendations in Flipped Classrooms

Accomplishments and Limitations: Demonstrates the advantage of customization, but only in educational settings.

Paper 5: Generative AI Agents and Scaffolding in Visual Learning Analytics

Accomplishments and Limitations: Shows how GenAI can enhance visualizations comprehension, but only in an analytics context.

Paper 6: A Closer Look into Recent Video-based Learning Research

Accomplishments and Limitations: Effectively illustrates AI's potential for adaptive learning, but it lacks real-time analysis and only uses a small number of datasets.

Paper 7: YouTube and Education – Literature Survey

Accomplishments & Limitations: Provides insightful information about video-based learning, but it is devoid of AI-based testing and real-world experimentation.

Paper 8: Technology-Assisted Language Learning Adaptive Systems: A Review

Accomplishments and Limitations: Explain adaptive AI models in an effective manner, but it only addresses language learning and ignores multi-domain situations.

Paper 9: YouTube as an Educational and Self-Development Tool

Accomplishments and Limitations: Shows YouTube's capacity for self-learning , but it does not assess the efficacy and quality of the content.

Paper 10: A Global User Profile Framework for Effective Recommender Systems

Accomplishments and Limitations: The framework enhances transparency and personalization while effectively addressing cold-start and data-sparsity issues. However, problems with data privacy, interoperability, and standardization still pose real-world implementation challenges.

Paper 11: UX/UI Design of Online Learning Platforms and Their Impact on Learning: A Review

Accomplishments and Limitations: Although it points out that there is little research on combining adaptive and AI-driven design principles, it effectively identifies UX/UI as critical components for student satisfaction and successful learning.