

The Scientific Pen: A Poster Presentation Assistant

ACADEMIC RESEARCH POSTER

Research posters are visual aids that are used to present a study. It is a popular way to showcase research work in conferences and the academic. Information is presented concisely and in a visually appealing manner to attract attention and spark discussion.

Authors
Don't forget the names of the research authors and co-authors. Use full names and include any titles or honorifics the authors may have, as well as the university or research institution they are representing.

Affiliations
Researches are often under an affiliation, an organization, or academic research institution. When available, include their logos with the names.

INTRODUCTION

This section gives an overview of the research. Start with the background. What are you studying and why? What is the importance of the research to the field or specific industry, and what can it contribute to the existing literature? Be mindful of the space of the poster. Include the important information, but be as straightforward as possible.

OBJECTIVE

In this section, state what is the purpose of your study.

RESULTS

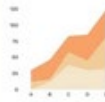
Results show the outcome of the research and should answer the question or hypothesis stated in the introduction. State what you've found from your study.

METHODOLOGY

Describe how you've conducted your research. What is the strategy of the team? What methods were used? Were there any special technology applied?

ANALYSIS

In a regular research paper, the analysis section is one of the longest parts as it builds on the information that supports the objective and thesis. With a research poster, you can trim down the analysis to the most important parts. Use bullet points to emphasize points. Include key graphs, tables, graphics, and other images that support the study and show a visual analysis of the data.



CONCLUSION

To wrap up your poster, present two to three key findings. You can also add a brief explanation or narrative to these that can encourage conversation or dialogue with the audience. These findings can be actionable items that can lead to implementation, policy creation, or further study.

Related literature
References can take up a lot of space, so cite only the key references used in the study.

„This diagram visualizes the amazing results of my research ... „

Introduction

Scientific poster presentations are an important tool for sharing research findings and communicating ideas in various scientific fields. However, traditional poster presentations can often be static and lack the interactivity required to engage audiences fully. To address this challenge, this project proposes to use an interactive tool called the "tiptoi pen" to create a scientific poster presentation that is both informative and interactive.

Objectives

- Create audio files that are generated from text blocks in the supplementary description file.
- Map these audio files to tiptoi OID codes
- Create a printable poster that is overlaid with the corresponding OID code. The positions and sizes of the bounding boxes are available in the description file

Summary

In summary, our goal is to create a scientific poster presentation that is both informative and interactive, using the tiptoi pen to enhance the user's learning experience. We believe that this innovative approach will improve the effectiveness of scientific communication and help researchers and scientists to communicate their findings more effectively.

Processing Pipeline:

Input

description poster



json



pdf



Python script

Output

audio files



mp3

overlaid poster



pdf

TipToi Reverse Engineering

https://www.joachim-breitner.de/blog/773-Das_Tiptoi-Projekt

<https://www.youtube.com/watch?v=HX1Fpx4fer8>

https://media.ccc.de/v/gpn15-6687-der_tiptoi-stift

<https://www.youtube.com/watch?v=RHiALrdMeqc>

AI text-to-speech

<https://voice.ai/>

Speechelo

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