Your Paper Title Here

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Abstract

Abstract: Write your abstract here. Summarize your work in about 150-250 words.

1 Introduction

Introduce the problem, motivation, and background. Include references if needed.

2 Related Work

Summarize previous research relevant to your topic.

3 Methodology

Describe your methods, models, or algorithms in detail.

4 Data

For the diarization models in this work, three datasets were used. The CHiME-6 Challenge dataset focuses on distant multi-microphone conversational speech in natural home environments, recorded during dinner parties, and provides a challenging scenario for unsegmented multispeaker speech recognition with open-source baselines [3]. The AMI Meeting Corpus contains 100 hours of multi-modal meeting recordings from both scenario-driven design team meetings and naturally occurring meetings, annotated with orthographic transcriptions and rich phenomena, all released under a Creative Commons Attribution 4.0 license [1]. Lastly, VoxConverse is an audio-visual diarization dataset extracted from YouTube videos, offering multispeaker clips with detailed speaker diarisation annotations, useful for real-world diarization tasks [2].

5 Experiments

Explain experimental setup, datasets, evaluation metrics, and results.

6 Discussion

Interpret results, analyze strengths and limitations.

7 Conclusion

Summarize findings and suggest future work.

Acknowledgments

(optional) Thank collaborators, funding sources, etc.

References

[1] J. Carletta. Announcing the ami meeting corpus. *The ELRA Newsletter*, 11(1):3–5, January–March 2006.

[2] Joon Son Chung, Jaesung Huh, Arsha Nagrani, Triantafyllos Afouras, and Andrew Zisserman. Spot the conversation: speaker diarisation in the wild. In *Interspeech*, 2020.

[3] Shinji Watanabe, Michael Mandel, Jon Barker, Emmanuel Vincent, Ashish Arora, Xuankai Chang, Sanjeev Khudanpur, Vimal Manohar, Daniel Povey, Desh Raj, et al. Chime-6 challenge: Tackling multispeaker speech recognition for unsegmented recordings. In *CHiME 2020-6th International Workshop on Speech Processing in Everyday Environments*, 2020.