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From: Coyote2

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Summary

- Team Coyote2 collected and extracted a coyote dataset.
- Team Coyote2 started to prepare a mid-presentation.
- Researchers summarized related work papers.
- Team Coyote2 wrote and revised the paper.
- Team Coyote2 had a meeting with phD. Mia and ph.D. Minji.

What Coyote2 completed this week:

- Team Coyote2 downloaded a dataset on several websites. There are 2 kinds of dataset. First dataset is from a site named “Coyote Yipps” and others from several sites.
- Team Coyote2 met ph.D. Mia with team Coyote1 on Zoom call. The question was about how many papers have to be cited on related work, and second was about the size and length of the Dataset.
- Team Coyote2 met ph.D. Minji got feedback about the paper on the Zoom and revised the abstract and introduction of the paper.
- Started to prepare for a mid-presentation powerpoint.
- Team Coyote2 summarized paper[1][2][3][4][5] and sent it to ph.D. Mia.

Things to do by next week

- Paper Review with ph.D. Minji on Friday.
- Meeting with ph.D. Mia on Thursday, at 3 pm.
- Making a document for the Middle Presentation.
- Composing and writing the content of a Related Work chapter on paper.
- Implement Python training code about Audio classification in Microsoft site.

Problems or challenges:

- Due to the lack of related research, Team Coyote2 could not find various papers directly related to our paper topic. So team Coyote2 searched for relevant articles and web resources.
- Team Coyote2 had trouble checking the copyright of the dataset. So we figured out another dataset.

References

[1] Valenti, Michele, et al. "DCASE 2016 Acoustic Scene Classification Using Convolutional Neural Networks." *DCASE*. 2016.
[2] Nanni, Loris, Gianluca Maguolo, and Michelangelo Paci. "Data augmentation approaches for improving animal audio classification." *Ecological Informatics* 57 (2020): 101084.
[3] H. Lim, M. J. Kim, and H. Kim, “Cross-acoustic transfer learning for sound event classification,” in *2016 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. IEEE, 2016, pp.2504–25

[4] Zhou, Da-Wei, Han-Jia Ye, and De-Chuan Zhan. "Learning placeholders for open-set recognition." *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition*. 2021.
[5] Piczak, Karol J. "Environmental sound classification with convolutional neural networks." *2015 IEEE 25th international workshop on machine learning for signal processing (MLSP)*. IEEE, 2015.