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From: Coyote2

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Summary
- Team Coyote2 found an official coyote dataset and decided the class of non-coyote.
- Team Coyote2 prepared a mid-presentation.
- Researchers wrote the first version of methodology on the paper.
- Team Coyote2 wrote and revised the introduction and related work on the paper.
- Team Coyote2 had a meeting with phD. Mia.
- Team Coyote2 wrote the readme of Github.

What Coyote2 completed this week
- Team Coyote2 organized a temporal coyote custom dataset[1] and non-coyote dataset[2][3].
- Team Coyote2 decided the class of non-coyote. Non-coyote class is dog, chicken, fox and one or two livestock.
- Team Coyote2 trained a CNN model which classifies the Coyote howling sound using our custom dataset.
- Team Coyote2 met ph.D. Mia with team Coyote1. And received advice about dataset and classifier by ph.D. Mia.
- Team Coyote2 revised the introduction and wrote related work.
- Team Coyote2 wrote the readme of Github about team information and overall project information.
- Team Coyote2 made slides and scripts for our next week's presentation.

Things to do by next week
- Meeting with ph.D. Mia on Tuesday, at 3 pm.
- Finishing the midterm paper until Monday.
- Finding additional dataset of coyotes howling and copyright for existing dataset.
- Modify and prepare a Midterm presentation.

Problems or challenges
- Finding enough coyote dataset that is official and reliable for training.
- Have to lower the sampling rate of audio data due to the packet transit time.

References
[1] "Coyote sounds | animal sounds with Peter Baeten," *YouTube*, Jan. 2017. [Online]. Available: https://www.youtube.com/watch?v=0sRz71VsBNo.
[2] "Dog barking | animal sounds with Peter Baeten," *YouTube*, Dec. 2016. [Online]. Available: https://www.youtube.com/watch?v=7ej1ur8amCo.
[3] "Chicken sounds for kids - learn clucking sound effects of chickens and hens," *YouTube*, Dec. 2018. [Online]. Available: https://www.youtube.com/watch?v=V5-q90QaV5Q.