**How this document is formatted**

The urls to obtain the audio data necessary are contained in this document. They are split by hyenas and lions and further down into training and testing sets.

The training sets contain clear sounds of the respective animal. The urls for this set should not be videos, but rather audio files to reduce the amount of noise present while training.

The testing sets contain sounds of the respective animal in a live environment. Majority of these urls will be video recordings of the howls of the respective animal and may or may not show the actual animal. There should also be background noise, preferably environmental sounds (i.e. crickets, trees etc.) because we expect to deploy our product in a live environment.

**HYENAS**

Training

https://www.youtube.com/watch?v=k1kVc4qsspY

o 10 hrs of single hyena sounds

https://www.youtube.com/watch?v=SAdJI8xCghs

o 1 minute of hyena sounds, this one shows a diverse range of sounds

https://www.youtube.com/watch?v=8nvCN3-7vlA&t=18s

o 10 minute of hyena laughs

<https://www.youtube.com/watch?v=Vd8cnaS6fcU>

o 5 minute video of single hyena sounds

<https://www.youtube.com/watch?v=SAdJI8xCghs>

o Hyena sounds hyena pictures the sound a hyena makes

o 1 minute video of different hyena sounds w/o background noise

<https://www.youtube.com/watch?v=WdFtSNO2bBg>

o Lion cornered by hyena calls for backup

o First one minute video of different hyena sounds w background noise

Testing

<https://www.youtube.com/watch?v=2mXJ5LeBNPU>

o 1 minute of a live video where you can hear a hyena, but not see it

https://www.youtube.com/watch?v=ZAmctxqe9LM

o 1 minute of a live video where you can hear a hyena,

<https://www.youtube.com/watch?v=_I6CG3PI5Mg>

o 30 second video of hyenas howling at night

<https://www.youtube.com/watch?v=FQaSRKP8Dho>

o 1 minute video of hyenas laughing w/ background noise

o Roxy the hyena "laugh" loudly in front of her meal

<https://www.youtube.com/watch?v=NVM_-P75GiI>

o 30 seconds video of hyenas laughing w/ background noise

o Hyena laughing

**LIONS**

Training

<https://www.youtube.com/watch?v=9mizXaQYUd0>

o 10 hrs of single lion sounds

<https://www.youtube.com/watch?v=uNA92B4alzs>

o 1 minute of single lion sounds

<https://www.youtube.com/watch?v=8StqowT8hME>

o 1 minute of single lion sounds

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

o 3 minutes of lion sounds w/ background noise

<https://www.youtube.com/watch?v=hF6HpmwHNvg>

o 2 minute video of lion w/ background noise

<https://www.youtube.com/watch?v=_22gJ5kB31k>

o Powerful Roar Of A Majestic Wild African Male Lion

o 1 minute video of lion w/ background noise

Testing

<https://www.youtube.com/watch?v=43dpWk4xK5Y>

o 1 minute video recording of lion that can be seen

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

o 1 minute live video where lion roars can be heard in the background. The lions are far away so the actual roars are very quiet, compared to the other noise

<https://www.youtube.com/watch?v=TXPlKJEqh4Y>

o 1 minute live video of lion that can be seen roaring at night

<https://www.youtube.com/watch?v=0TqOnQyMK_Q>

o 3 minute video of lions roaring at night

**Some available dataset online**

1. <https://research.google.com/audioset///ontology/wild_animals.html>
   1. Note: very few hyena sound files
2. Provided by Museum Fur Naturkunde
   1. Lions: <https://www.tierstimmenarchiv.de/webinterface/contents/querytext.php?querytext_2=Panthera+leo&sel_2=L%F6we&sel_3=Lion&queryfield_2=species&querytype_2=matches&querytext_1=&queryfield_1=description&querytype_1=contains&fields=2&startvalue=1&mode=query>
   2. Spotted Hyenas:

https://www.tierstimmenarchiv.de/webinterface/contents/querytext.php?querytext\_2=Crocuta+crocuta&sel\_2=T%FCpfelhy%E4ne&sel\_3=Spotted+Hyena&queryfield\_2=species&querytype\_2=matches&querytext\_1=&queryfield\_1=description&querytype\_1=contains&fields=2&startvalue=1&mode=query

* 1. Stripped Hyenas

<https://www.tierstimmenarchiv.de/webinterface/contents/querytext.php?querytext_2=Hyaena+hyaena&sel_2=Streifenhy%E4ne&sel_3=Striped+Hyena&queryfield_2=species&querytype_2=matches&querytext_1=&queryfield_1=description&querytype_1=contains&fields=2&startvalue=1&mode=query>

* 1. Brown Hyenas

https://www.tierstimmenarchiv.de/webinterface/contents/querytext.php?querytext\_2=Hyaena+brunnea&sel\_2=Schabrackenhy%E4ne&sel\_3=Brown+Hyena&queryfield\_2=species&querytype\_2=matches&querytext\_1=&queryfield\_1=description&querytype\_1=contains&fields=2&startvalue=1&mode=query

Demo:

<https://www.youtube.com/watch?v=IPiyo332Gks>

<https://www.youtube.com/watch?v=ikzI2u2mBdo>