

How to make a groundtruth

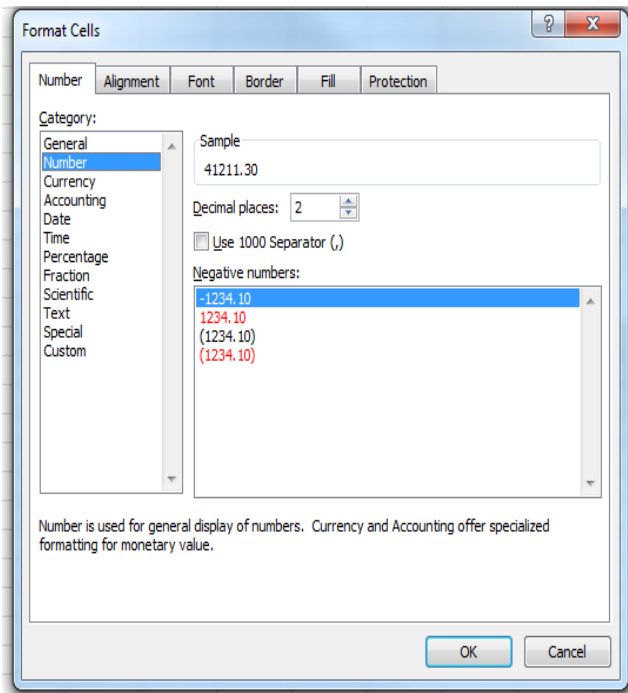
for the automated blue whale B call detector

Before you can run the automated detector you will need to have created a groundtruth. The groundtruth is a section of a dataset from which B calls have been manually picked and logged. Groundtruths should be made for Oct, Dec and June. The groundtruth will serve as a comparison for the detectors output so that you can get the detector to work optimally for each individual dataset.

What you need:

- Matlab R2012b
- triton-logger-2013-11-05 (or latest version)

1. Open Matlab and start triton.
2. Open the LTSA for the dataset you want to make a groundtruth for.
3. Find an area that you would like to log (try to find a section with continuous calls - if you're making an Oct groundtruth you will need to log 400 calls and if you are making a groundtruth for Dec/June you will need to log 200 calls).
NOTE: things will be easier later on if you log calls only within one x.wav file.
4. Log the start time of the calls.
5. After you are done logging, open the xls log you just made. Make a note of the time of the first and last calls you logged. Convert the column containing the start time of your calls into number format



6. **SAVE** your log.