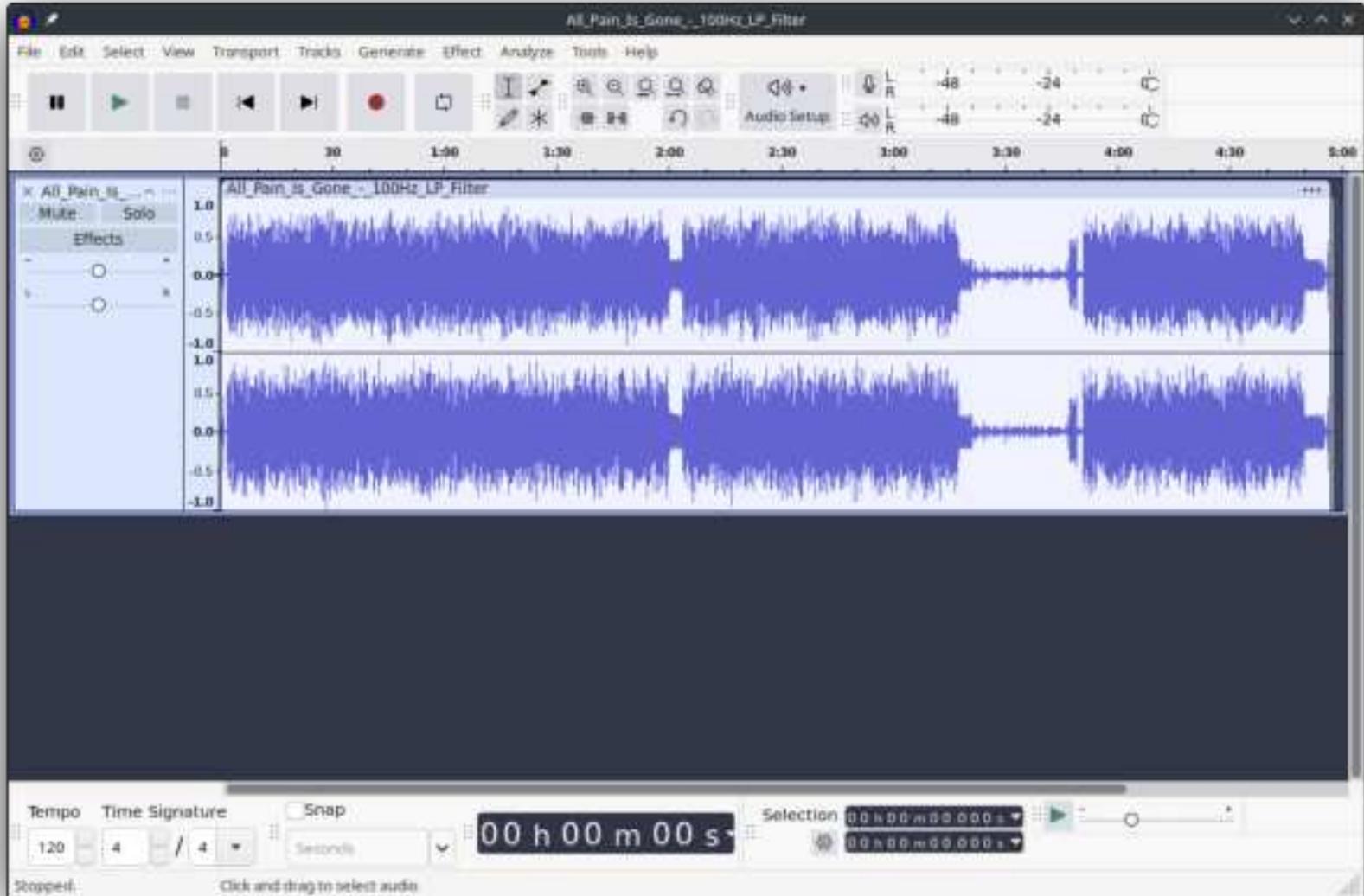


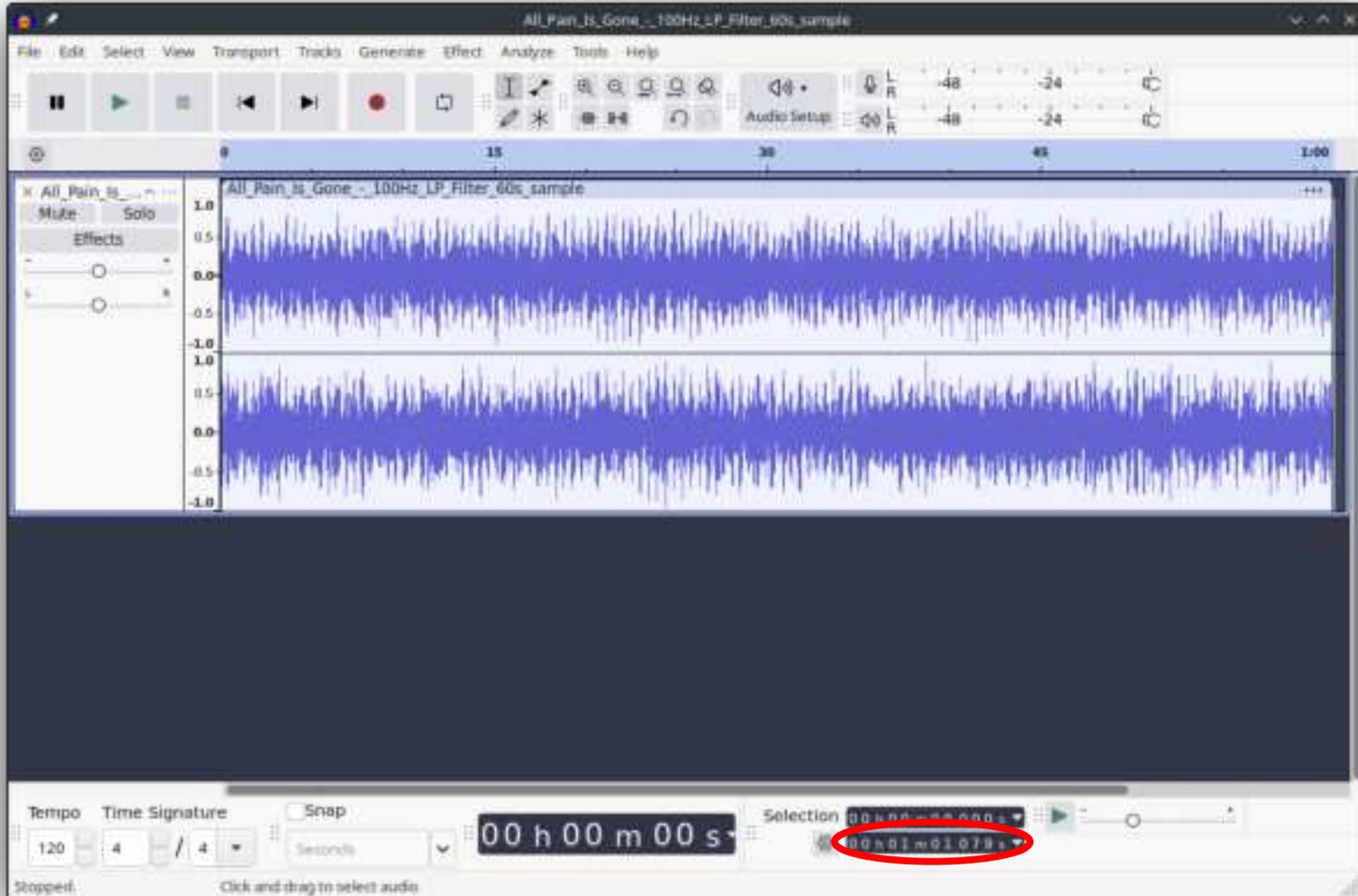
Drag and Drop your music file to Audacity

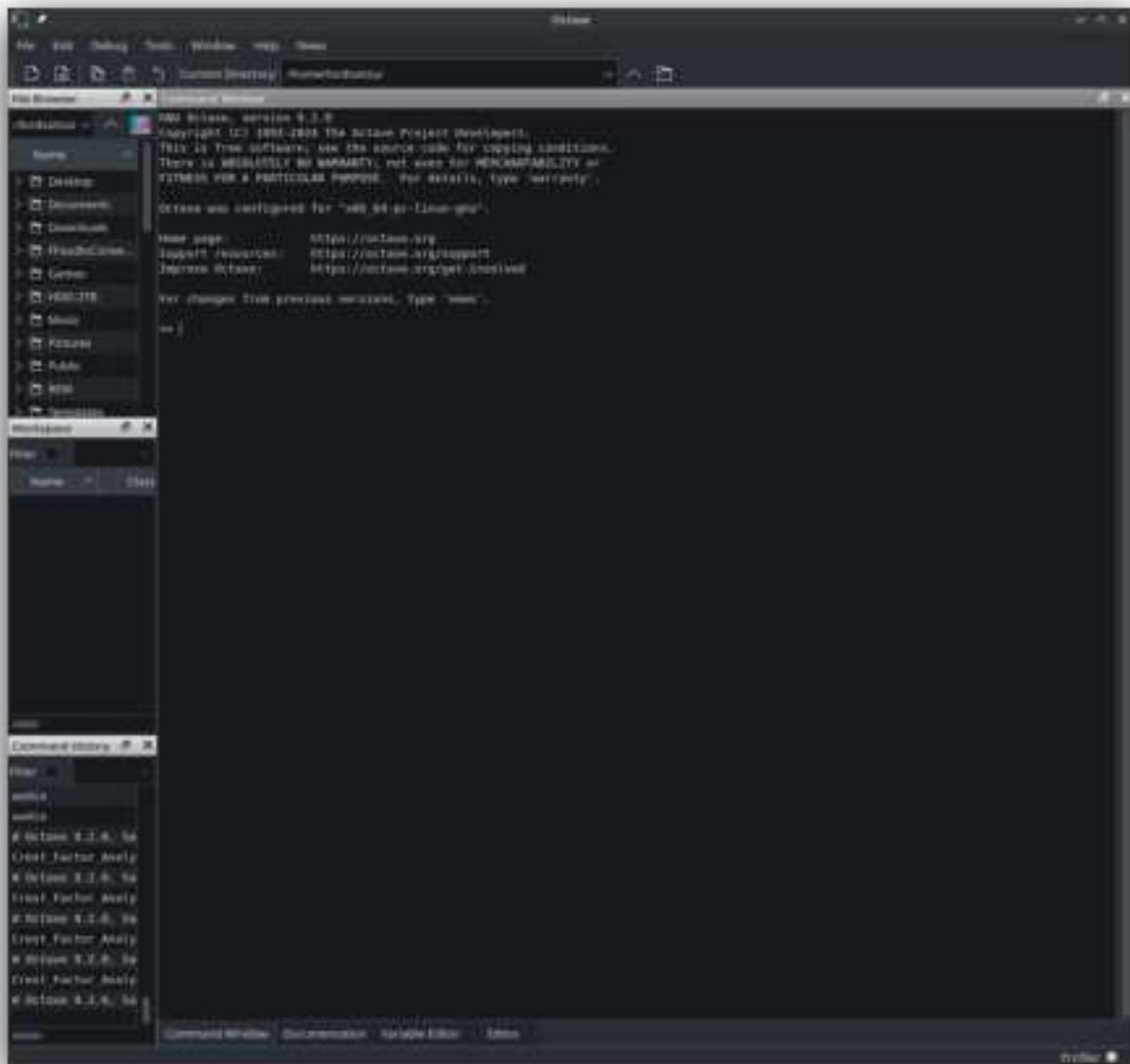


Pres Ctrl Key + A to select all audio track and than click on:
Effect → EQ and Filters → Low-pass Filter

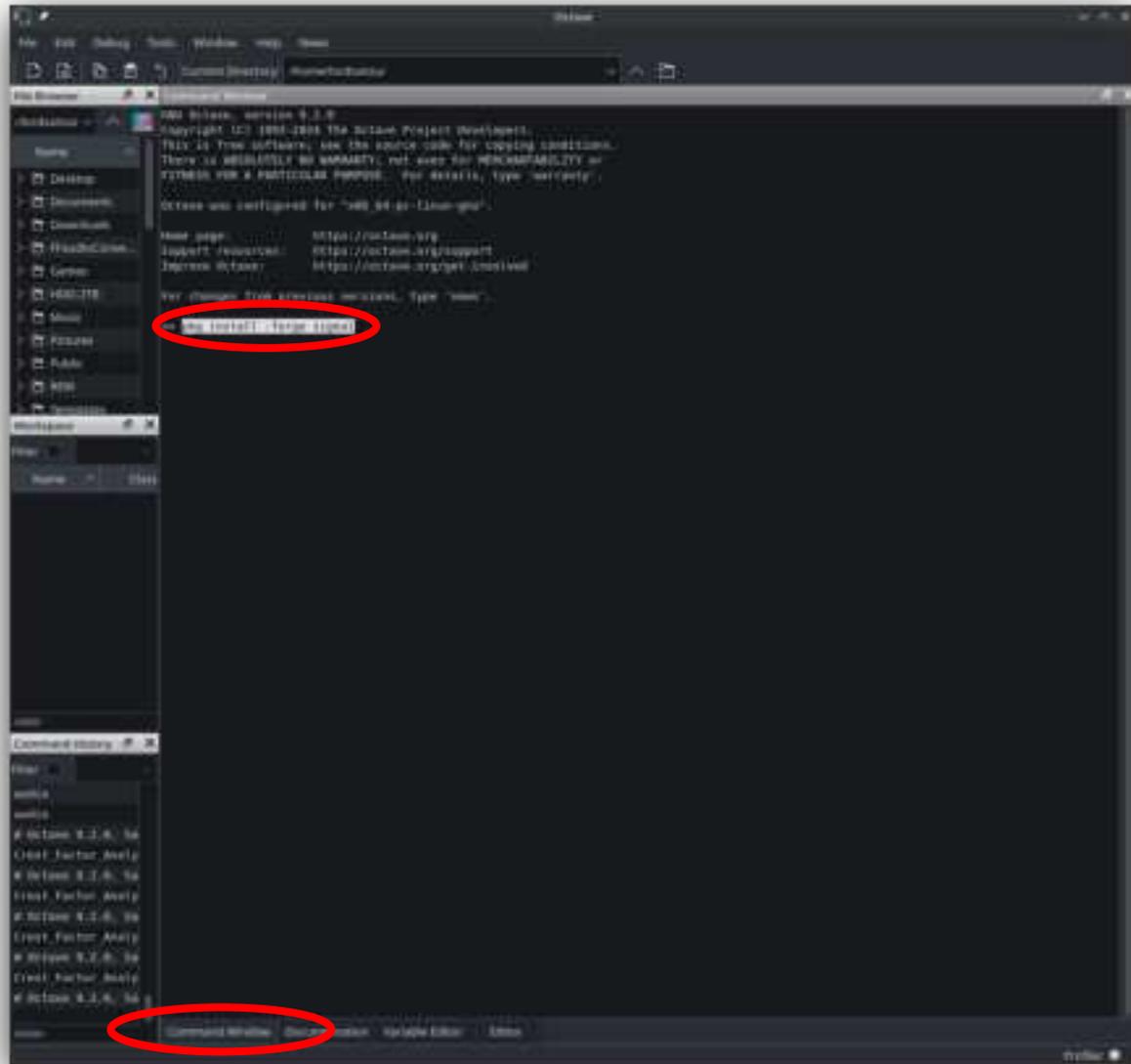


Manual Select that parts of the audio track you want to remove, mouse right click to open the menu and click on CUT.
When you achieve 1min (60s) of music track to go File → Export Audio, in the pop up windows, select the format: Ogg Vorbis File





Run the command to install Signal Library to access function to process audio file.



Open the M-file Crest_Factor_Analysis.m from editor tab and change the name (pink) in the code to your file.

```
function Crest_Factor_Analysis(x)
% Crest Factor Analysis
%
% This script calculates the Crest Factor (CF) of a signal x.
% The CF is defined as the ratio of the peak-to-peak amplitude
% to the RMS value of the signal.
%
% Usage: Crest_Factor_Analysis(x)
%
% Example:
% x = randn(1, 1000);
% Crest_Factor_Analysis(x)

% Get the peak-to-peak amplitude
ppa = max(x) - min(x);

% Calculate the RMS value
rms = sqrt(mean(x.^2));

% Calculate the Crest Factor
CF = ppa / rms;

% Display the result
fprintf('Crest Factor: %f\n', CF);

end
```

Command Window

```
>> Crest_Factor_Analysis(x)
```

Editor

See the results

The screenshot shows a software interface with a dark theme. The main area displays a list of results under the heading "scalar structure containing the fields:". The results are organized into a table-like structure with columns for "Name", "Value", and "Unit". A red circle highlights a row with the value "1.1801" and unit "1.1801".

Name	Value	Unit
CF	1.4292	1.4292
CF_08	1.1801	1.1801
CF_09	1.8229	1.8229
CF_10	2.7188	2.7188

Below the main results, there is a "Command history" section showing a list of commands, including "CF", "CF_08", "CF_09", and "CF_10". A red circle highlights the "Command history" label at the bottom of the interface.