Itec/MODR/HUMA 2655

Lecture 1

Question 1 Chang tempo of a music video.	
Question 2 Code to embed an mp4 video at your own web site at York:	

Computer music

MODR/human/Itec 2655

Open-Book & Open-Internet

Question 1 Chang tempo of a music video.

- Audacity is an audio editor while Avidemux is a video editor
- We need to process audio and video tracks separately, and then put them back together to achieve perfect synchronization which is required in music education.
- 1. To speed up/slow down audio, use the "bpm or beats per minute" effect in Audacity.
- 2. To speed up/slow down video, use "fps or frames per second" filter in Avidemux

For AVIDEMUX:

Change FPS = change duration of video.

Resample FPS = change and enforce FPS. Keep duration and <u>sync</u>.

We can download and install Avidemux and Audacity at your local device at: http://oldtown.glendon.yorku.ca/~teaching/binary/

• You can also use Audacity and Avidemux on-line as chrome extension plugins.

Given the video at: http://oldtown.glendon.yorku.ca/~teaching/2021/videos/imagine_2020.mp4 that plays "Imagine" by Lennon at tempo.

- ➤ Create a new video, named slow.mp4, which plays at 90% tempo of the video above. Here is a screen capture of the output video format suitable for streaming.
- Display your slow video (<u>format mp4</u>) at: http://oldtown.glendon.yorku.ca/~lastname/video/lennon/slow90.mp4
- Display also your slower music as a web page at: http://oldtown.glendon.yorku.ca/~lastname/video/lennon/imagine.html

Question 2 Code to embed an mp4 video at your own web site at York:

We wish to slow down the piano performance at 90% tempo by computer algorithms.