Workshop Session 1

- Participants practice creating pitch curves of speech data of native speakers using Praat
- Participants practice recording own reading using Praat
- Material: Workshop ppt (demonstration video)
  - Worksheet 1.1
  - Worksheet 1.2
  - Native speakers' reading audio

No.	Time	Content
1	before the workshop	- Start computers for the participants - Install Praat and Audacity for the participants - Test microphone - Open ppt for the workshop
2	2mins	- Settle down the participants - Take attendance
3	3mins	- Show the 'Praat-basics' slide and lead the participants to watch the demonstration video for basic Praat analysis

4	15mins	- Guide the participants to practice tone analysis of native Mandarin speakers' speech data using Praat
		1. Open Praat. Introduce a) Praat objects window and b) editor window
		2. Open audio file of native speakers' speech data (qǐ) by performing 'Open>Read from file...'
		3. Select target audio file from 'Objects', and click 'View&Edit'
		4. Click 'View>Show analyses...'
		5. Unselect 'Show formant' and 'Show pulses'
		6. Demonstrate how to measure useful data
		    a) duration – use cursor to drag and select sound
		    b) pitch level – Pitch>Get Pitch
		    c) pitch range – Pitch>Get Minimum Pitch/Get Maximum Pitch
		Worksheet 1.1

5	3mins	- Demonstrate how to record own reading using Praat 1. In praat objects window, New>Record mono sound

		2. Start recording by clicking 'Record' button, stop recording by clicking 'Stop' button
		3. Name the audio file as 'Name_word_tone_time of recording' (e.g. Hanna_lan_3_2 for recording lăn for the second time) by entering in the box next to 'Name:'
		4. Save and back to praat object window by clicking 'Save to list & Close' button
6	10mins	- Guide the participants to record their own reading - Guide the participants to analyze their own reading **Worksheet 1.2**
7	2mins	Collect worksheets

Worksheet 1.1

Name: _____

Please analyze Mandarin tones in 2 of the recordings read by native Mandarin speakers.
Please finish the rest if you have time.

File Name:		Pinyin:	kāi
Duration			
Pitch Level			
Pitch Range			

File Name:		Pinyin:	níng
Duration			
Pitch Level			
Pitch Range			

File Name:		Pinyin:	
Duration			
Pitch Level			
Pitch Range			

File Name:		Pinyin:	
Duration			
Pitch Level			
Pitch Range			

Worksheet 1.2

Name: _____

Please read 2 of the words below and perform tone analysis.

shí	xiā mǐ

Please finish the rest if you have time.

xuě	dùn

Pinyin:	shí
Duration	
Pitch Level	
Pitch Range	

Pinyin:	xiā
Duration	
Pitch Level	
Pitch Range	
Pinyin:	mǐ
Duration	
Pitch Level	
Pitch Range	

Pinyin:	
Duration	
Pitch Level	
Pitch Range	

Pinyin:	

Duration	
Pitch Level	
Pitch Range	