

Session 2

- Participants practice analysis of Mandarin Tone 1 and Tone 2 in monosyllabic words with reference to sample readings of native speakers
- Participants record their readings and compare pitch curves
- Material: Recordings of native speakers

Workshop ppt

Worksheet 2.1

Worksheet 2.2

Worksheet 2.3

No.	Time	Content
1	before the workshop	<ul style="list-style-type: none"> - Start computers for the participants - Install Praat and Audacity for the participants - Test microphone - Open ppt for the workshop
2	2mins	<ul style="list-style-type: none"> - Settle down the participants - Take attendance
3	5mins	<ul style="list-style-type: none"> - Guide the participants to analyze a recording of native speaker's reading of 'guān' using Praat (with help of Worksheet 2.1) 1. Download recordings of native speakers from Dropbox 2. Open audio file of native speakers' speech data by performing 'Open>Read from file...' 3. Select target audio file from 'Objects', and click 'View&Edit' 4. Demonstrate how to measure useful data <ul style="list-style-type: none"> 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 - Ask participants to share the measurement data
4	3mins	<ul style="list-style-type: none"> - Guide the participants to record their own reading of 'guān' using Praat 1. In praat objects window, New>Record mono sound 2. Start recording by clicking 'Record' button, stop recording by clicking 'Stop' button

		<p>3. Name the audio file as 'Name_word_tone_time of recording' (e.g. Hanna_guan_1_1) by entering in the box next to 'Name:'</p> <p>4. Save and back to praat object window by clicking 'Save to list & Close' button</p>
5	5mins	<ul style="list-style-type: none"> - Ask the participants to record their own readings and perform tone analysis of their own reading of 'guān' using Praat - Ask the participants to write down measurement of their speech data on Worksheet 2.1 - Ask for a participant's measurement and compare it with native speaker's measurement, and demonstrate how to do reflection on Worksheet 2.1
6	5mins	<ul style="list-style-type: none"> - Ask the participants to re-record their reading of 'guān' according to their reflection - Ask the participants to write down measurement of their second reading on Worksheet 2.1 - Ask the participants to write reflection again on Worksheet 2.1 to see if they have improved
7	10mins	<ul style="list-style-type: none"> - Ask the participants to record, analyze, compare, and re-record 'chū' and 'yīng' with help of Worksheet 2.2 - If they have time, they can choose words from the word list and practice by themselves with help of Worksheet 2.2
8	15mins	<ul style="list-style-type: none"> - Ask the participants to record, analyze, compare, and re-record 'yán' 'shá' and 'lún' with help of Worksheet 2.3 - If they have time, they can choose words from the word list and practice by themselves with help of Worksheet 2.3
9	2mins	Collect worksheets

Worksheet 2.1

Name: _____

a. Please perform tone analysis of ‘guān’ read by the native Mandarin speaker

Pinyin:	guān
Duration	
Pitch Level	
Pitch Range	

b. Please perform tone analysis of your own reading of ‘guān’

c. Please compare your measurements with those of native speaker’s and write down the differences as reflection

Pinyin:	guān
Duration	
Pitch Level	
Pitch Range	
Reflection	

d. Please perform tone analysis of your second reading of ‘guān’

e. Please compare your measurements with the first time and native speaker’s data, and write down the differences as reflection

Pinyin:	guān
Duration	
Pitch Level	
Pitch Range	
Reflection	

Worksheet 2.2

Name: _____

1a. Please perform tone analysis of 'chū' read by the native Mandarin speaker

Pinyin:	chū
Duration	
Pitch Level	
Pitch Range	

1b. Please perform tone analysis of your own reading of 'chū'

1c. Please compare your measurements with those of native speaker's and write down the differences as reflection

Pinyin:	chū
Duration	
Pitch Level	
Pitch Range	
Reflection	

1d. Please perform tone analysis of your second reading of 'chū'

1e. Please compare your measurements with the first time and native speaker's data, and write down the differences as reflection

Pinyin:	chū
Duration	
Pitch Level	
Pitch Range	
Reflection	

2a. Please perform tone analysis of ‘yīng’ read by the native Mandarin speaker

Pinyin:	yīng
Duration	
Pitch Level	
Pitch Range	

2b. Please perform tone analysis of your own reading of ‘yīng’

2c. Please compare your measurements with those of native speaker’s and write down the differences as reflection

Pinyin:	yīng
Duration	
Pitch Level	
Pitch Range	
Reflection	

2d. Please perform tone analysis of your second reading of ‘yīng’

2e. Please compare your measurements with the first time and native speaker’s data, and write down the differences as reflection

Pinyin:	yīng
Duration	
Pitch Level	
Pitch Range	
Reflection	

If you have time, please perform tone analysis of native speaker's reading and you own reading of the words below.

Tone 1	bō	gēn
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3a. Tone analysis of native speaker's reading

Pinyin:	
Duration	
Pitch Level	
Pitch Range	

3b. Tone analysis of your own reading

3c. Reflection

Pinyin:	
Duration	
Pitch Level	
Pitch Range	
Reflection	

3d. Tone analysis of your second reading

3e. Reflection

Pinyin:	
Duration	
Pitch Level	
Pitch Range	
Reflection	

https://corpus.eduhk.hk/mandarin_pronunciation/

4a. Tone analysis of native speaker's reading

Pinyin:	
Duration	
Pitch Level	
Pitch Range	

4b. Tone analysis of your own reading

4c. Reflection

Pinyin:	
Duration	
Pitch Level	
Pitch Range	
Reflection	

4d. Tone analysis of your second reading

4e. Reflection

Pinyin:	
Duration	
Pitch Level	
Pitch Range	
Reflection	

https://corpus.eduhk.hk/mandarin_pronunciation/

Worksheet 2.3

Name: _____

1a. Please perform tone analysis of 'yán' read by the native Mandarin speaker

Pinyin:	yán
Duration	
Pitch Level	
Pitch Range	

1b. Please perform tone analysis of your own reading of 'yán'

1c. Please compare your measurements with those of native speaker's and write down the differences as reflection

Pinyin:	yán
Duration	
Pitch Level	
Pitch Range	
Reflection	

1d. Please perform tone analysis of your second reading of 'yán'

1e. Please compare your measurements with the first time and native speaker's data, and write down the differences as reflection

Pinyin:	yán
Duration	
Pitch Level	
Pitch Range	
Reflection	

2a. Please perform tone analysis of 'shá' read by the native Mandarin speaker

Pinyin:	shá
Duration	
Pitch Level	
Pitch Range	

2b. Please perform tone analysis of your own reading of 'shá'

2c. Please compare your measurements with those of native speaker's and write down the differences as reflection

Pinyin:	shá
Duration	
Pitch Level	
Pitch Range	
Reflection	

2d. Please perform tone analysis of your second reading of 'shá'

2e. Please compare your measurements with the first time and native speaker's data, and write down the differences as reflection

Pinyin:	shá
Duration	
Pitch Level	
Pitch Range	
Reflection	

3a. Please perform tone analysis of 'lún' read by the native Mandarin speaker

Pinyin:	lún
Duration	
Pitch Level	
Pitch Range	

3b. Please perform tone analysis of your own reading of 'lún'

3c. Please compare your measurements with those of native speaker's and write down the differences as reflection

Pinyin:	lún
Duration	
Pitch Level	
Pitch Range	
Reflection	

3d. Please perform tone analysis of your second reading of 'lún'

3e. Please compare your measurements with the first time and native speaker's data, and write down the differences as reflection

Pinyin:	lún
Duration	
Pitch Level	
Pitch Range	
Reflection	

If you have time, please perform tone analysis of native speaker's reading and you own reading of the words below.

Tone 2	chén	xiá
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4a. Tone analysis of native speaker's reading

Pinyin:	
Duration	
Pitch Level	
Pitch Range	

4b. Tone analysis of your own reading

4c. Reflection

Pinyin:	
Duration	
Pitch Level	
Pitch Range	
Reflection	

4d. Tone analysis of your second reading

4e. Reflection

Pinyin:	
Duration	
Pitch Level	
Pitch Range	
Reflection	

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5a. Tone analysis of native speaker's reading

Pinyin:	
Duration	
Pitch Level	
Pitch Range	

5b. Tone analysis of your own reading

5c. Reflection

Pinyin:	
Duration	
Pitch Level	
Pitch Range	
Reflection	

5d. Tone analysis of your second reading

5e. Reflection

Pinyin:	
Duration	
Pitch Level	
Pitch Range	
Reflection	

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