

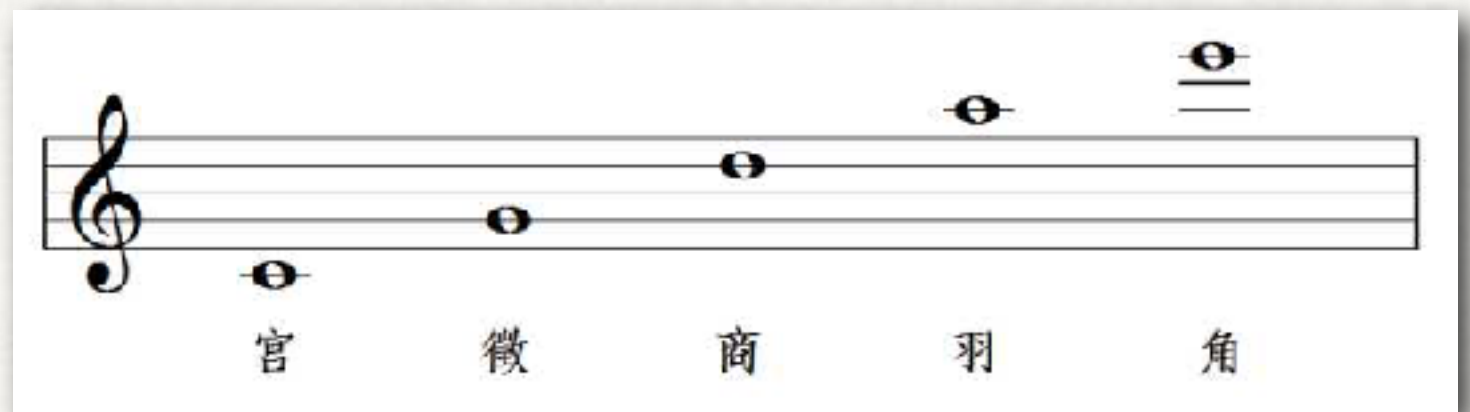
MELODY OF CHINA

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DIFFERENCES

- Traditional Chinese music are quite different from the western classic music in many aspects:
 - First, theoretical basis
 - Second, instrument design
 - Third, pursuit

- First, theoretical basis :
- Western classical music is based on twelve temperament
- For China, "Gong Shang Jue Zhi Yu" / Five Tone Scale
 - Gong = 1 (Do)
 - Shang = 2 (Re)
 - Jue = 3 (Mi)
 - Zhi = 5 (Sol)
 - Yu = 6 (La)



- Second, instrument design:
- Chinese folk music instrument are designed to perform solo and have clear characteristic, whereas many western and brass instrument are designed to perform together.



- Third, pursuit:
- Chinese music care about the pursuit of nature, artistic conception and emotional experience, and its form has been very simple, mainly single melody.



MODEL & DATA

- Use LSTM algorithm + Traditional Chinese melody dataset.
 - Dataset is large: Adjust batch size from 64 to 256
 - After 40 iterations, the loss become 0.7,
 - Generated 16 samples
- Finally, try to combine these generated piece with drummer's performance to create modern music work.

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LET'S LISTEN

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Generated Sample with three
Chinese stringed instrument

Let's try more Modern Piece ;)