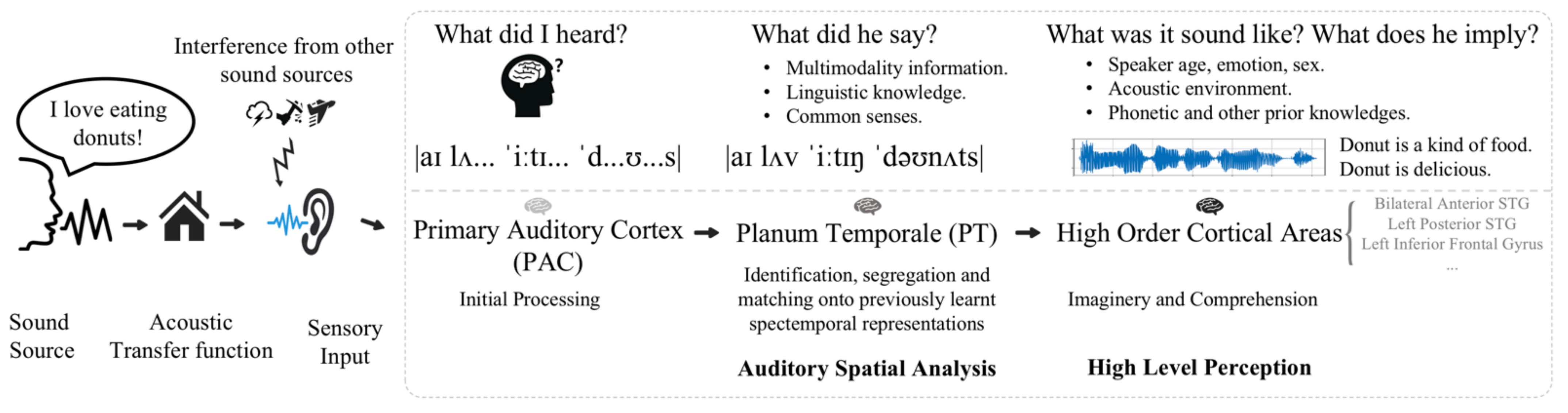


Motivation

How do we perceive speech in a noisy environment?

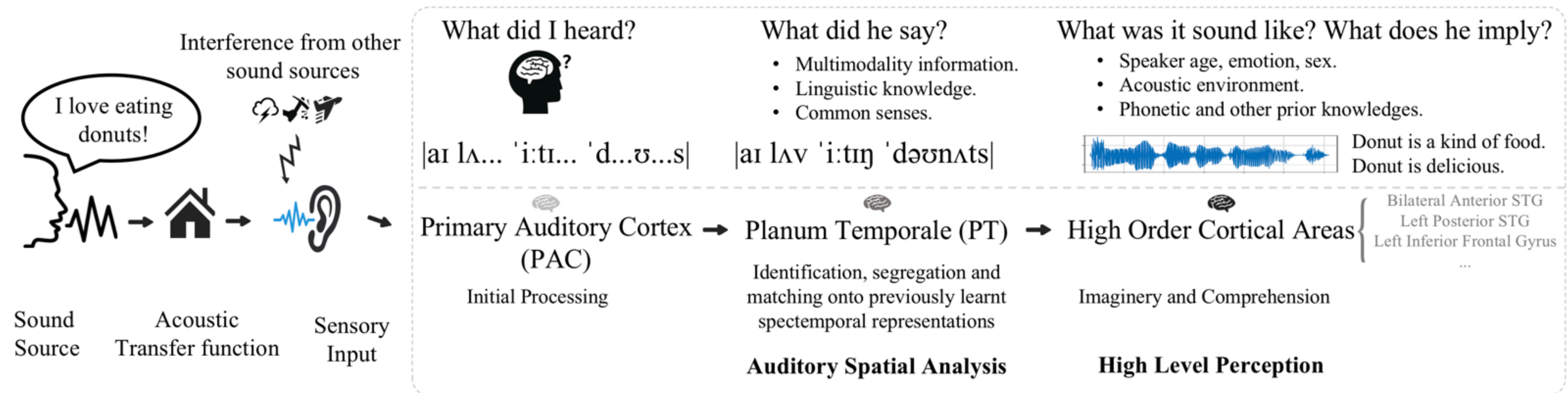


3. Can we use the similar two stage processing?

Answer: Yes, we can divide it into two sub-tasks.

Motivation

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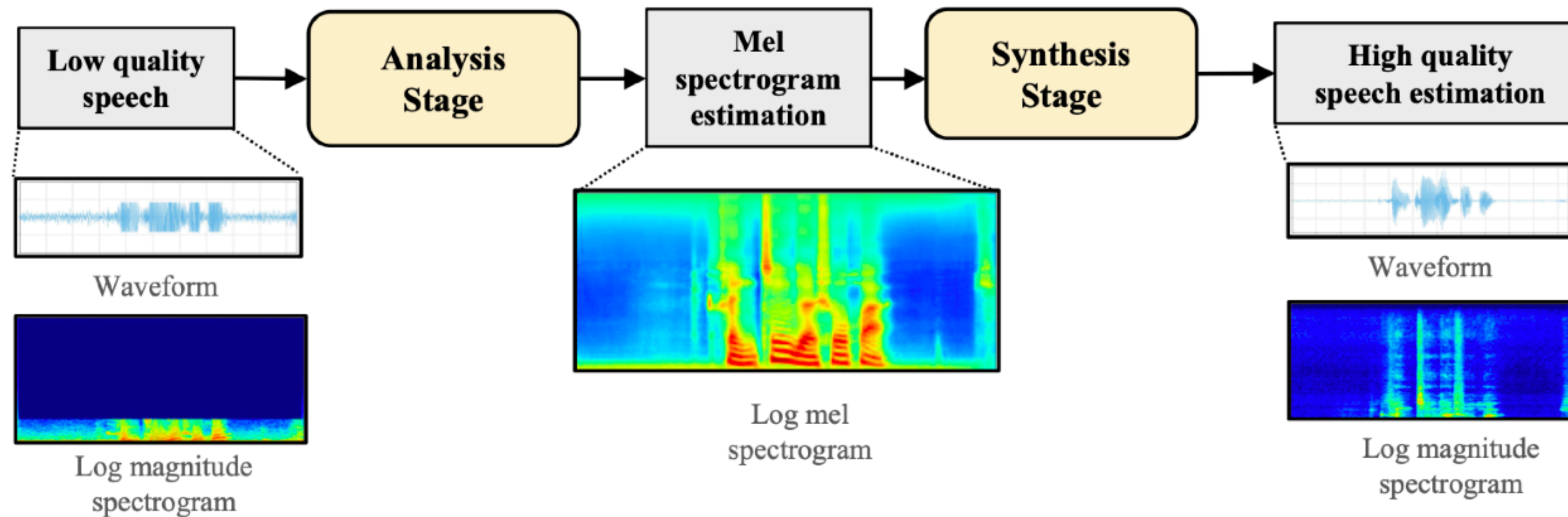


3. Can we use the similar two stage processing?

Answer: Yes, we can divide it into two sub-tasks.

VoiceFixer

Overview



- Two Stage Processing $f: x \rightarrow z, z \rightarrow \hat{s}$
 - Analysis Module: Input distorted mel spectrogram and output restored mel spectrogram.
 - Synthesis Module: Input restored mel spectrogram and output waveform