

## Activity 10 - Speech Recognition in a Vocal Assistant

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	Harvard Sentence	Condition 1	Transcription from Siri	Condition 2	Transcription from Siri
1	A pot of tea helps to pass the evening.	Cris. Male. 21. Silent room. Connected	A pot of tea helps to pass the evening.	David. Male. 16. Music playing. Connected	A pot of tea helps to pass the evening.
2	The salt breeze came across from the sea.	David. Male. 16. Near device. Connected	The soul geese came across the sea.	Cris. Male. 21. Far from device. Connected	The salt freeze game across from the Sea.
3	The fish twisted and turned on the bent hook.	David. Male. 16. Silent room. Connected	The fish twisted and turned on the bent Pentahook.	Cris. Male. 21. Talking in background. Connected	The fish twisted and turned on the bend.
4	Her purse was full of useless trash.	Cris. Male. 21. Whisper. Connected	Her purse was full of useless trash.	David. Male. 16. Normal talk. Connected	Her purse was full of useless trash.
5	Note closely the size of the gas tank.	Cris. Male. 21. Back to the device. Connected	Note closely the size of the gas tank.	David. Male. 16. Facing device. Connected	Note closely the size of the gas tank.
6	The wrist was badly strained and hung limp.	David. Male. 16. Silent room. Isolated	The wrist was badly strained and hung limp.	Cris. Male. 21. Music playing. Connected	The wrist was badly strained in Hamlin.
7	The lazy cow lay in the cool grass.	David. Male. 16. Near device. Connected	The lazy cow lay in the cool grass.	Cris. Male. 21. Far from device. Isolated	The lazy cow lay in the cool grass.
8	Mesh wire keeps chicks inside.	Cris. Male. 21. Silent room. Connected	Mesh wire keeps chicks inside.	David. Male. 16. Talking in background. Isolated	Wire keeps shaking inside.
9	The crooked maze failed to fool the mouse.	Cris. Male. 21. Normal talk. Connected	The crooked maze failed to fool the mouse.	David. Male. 16. Whisper. Isolated	Route to Maysville to fold a mouse.
10	March the soldiers past the next hill.	David. Male. 16. Back to the device. Connected	Call Marcia soldiers Pass the next Hill.	Cris. Male. 21. Facing device. Isolated	March the soldiers passed the next hill.

\*Normal Conditions are in a silent room, near the device, connected words, speaking to the device.

\*\* **Green** means Siri was able to understand.

\*\* **Red** means Siri was not able to fully understand.

The tests were made on an Ipad pro with Siri. The tests show that in a controlled environment where there are not many sounds other than the user's voice, the device will be able to transcribe what the user is saying with very accurately. When the environment is filled with other factors such as people talking or music playing in the background, the device will have a harder time transcribing what the user is saying. However, it will usually be able to transcribe what the user is saying with a mid high level of accuracy. I am satisfied with the device, it seems to work well even with distractions. The factors are problematic sometimes, but for the most part, the device is able to function properly.