Multi-Factor Voice AVIOS Conversational Interaction

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Microsoft's AI is getting crazily good at speech recognition

Microsoft's speech recognition efforts have hit a significant milestone.

It can now transcribe human speech with a 5.1% error rate, Microsoft technical fellow Xuedong Huang wrote in a blog post — the same error rate as humans.

Microsoft actually thought it hit this point last year, when it reached 5.9%, the word error rate it had measured for humans. But then other researchers carried out separate studies and pegged the human error level as slightly lower, 5.1%.

But it has now achieved this — reducing its error rate by 12%, and using AI techniques like "neural-net based acoustic and language models." Another innovation was to take into account the context of the words to make it more accurate.
HELPING YOU UNDERSTAND CONSUMERS – BETTER

**VALENCE**

*BETA*
The amount of positivity (or lack thereof) on a scale of 0-100

- Low
- High

**AROUSAL**

From placid to excited on a scale of 0-100

- Low
- High

**TEMPER**

Measures dominance from gloomy to confrontational on a scale of 0-100

- Low
- Medium
- High

**MOOD GROUPS**

Provides information on 11 major mood groups divided into four categories
Interfaces
Gadgets SDK

Build Alexa-Connected Devices

Gadgets SDK

The Gadgets SDK enables developers to create their own Alexa Gadgets. Developers can select from a growing list of capabilities, such as controlling motors and lights, as well as triggering movement or reactions based on music, TTS, or notifications sent from a compatible Echo device.

Gadget SDK Capabilities

The Gadgets SDK offers the following capabilities that can be used to support the development of your Alexa Gadget:
Make Storytime Magic

Music and sounds follow along as you read aloud together with Novel Effect.

See it work
1 Min Video

App Store
Types of Devices
Putting it together