



AI SHELL

The logo features the text "AI SHELL" in a white, sans-serif font. The word "AI" is on the left, followed by a stylized white icon of a flame or a hand with horizontal lines, and then the word "SHELL" on the right. The background is a teal color with a network of white lines and dots on the left and right sides, and a faint, tilted rectangular shape in the center.



AISHELL, set a artificial democratization as the goal.

AISHELL is an innovation technology enterprises focusing on voice data and technical services, including voice recognition, voice synthesis, voiceprint recognition dataset.

AISHELL currently do data innovation and differentiated services program, aiming at producing accurate data set for homes, cars, robots according the application needs for the specialized scene. Using machine learning platform, we established a leading core technology system in the voice data evaluation, auxiliary transfer, data analysis, and further expand the integration of technology, big data and IOT.

AISHELL' s vision: With ideology of open data, data exchange, data production program innovation, to accomplish artificial intelligence democratization.



Smart Home Data Program

The real home scene multi-angle recording,high degree of product fit,covering smart home of the industry.



Autonomous Driving Data Program

A variety of speed combinations for real road conditions,complex scene corpus design,synchronous multi-channel recording.



Smart Robot Data Program

Real scene robot command data, multi-angle,altitude recorded of command control type corpus design.



Smart Product Customization Data Program

Scene data,multimodal data,virtual reality scene data production scheme design,technical evaluation.

Smart Product Customization Data Program

Scene data, multimodal data, virtual reality scene data production scheme design, technical evaluation.

Simulating scene data customization, product evaluation design

■ Real scene noise

Recording real scene under multi-point at the same time, with close talking microphone plus the far-field enhanced microphone. The multiple application of intelligence voice scenarios cover family and public, including the living room, kitchen and toilet, office, industrial production, stations, roads and other.

■ Data customization

Personalized demand customization data.

■ Product evaluating design

Provide data configuration technology services, data quality assessment.
Provide quality assurance for data set production.

Autonomous Driving Data Program

A variety of speed combinations for real road conditions, complex scene corpus design, synchronous multi-channel recording.

Autonomous Driving Speech Corpus

- Real car and road scene A variety of road conditions A variety of options Complex scenes
- Multi-Point recording
- Voice Control

Details

Subject: [Smart Car Data Corpus](#)

Serial ID: [AISHELL-ASR0011](#)

#Recording Point: 5

Total Time: 750 Hours

#Speaker: 300

Language: [Chinese](#)

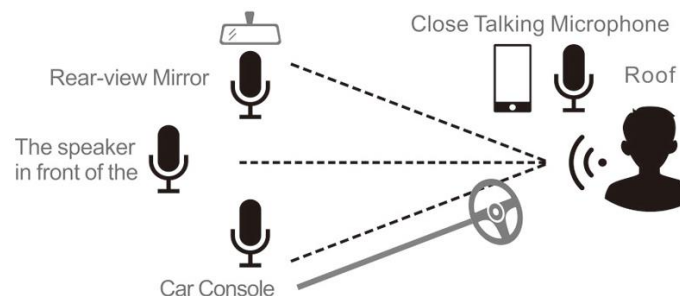
Region: China

Devices: High Fidelity Microphone Android Phone 16000Hz 16bit iOS Phone 16000Hz 16bit

16bit iOS Phone 16000Hz 16bit

Transcriptions are chosen from multi-field: POI/Road Information/Map/wake up/Command/Control

Analog Recording Live



Subject: [Smart Car Data Corpus \(EV\)](#)

Serial ID: [AISHELL-ASR0031](#)

#Recording Point: 9

Total Time: 10000 Hours

#Speaker: 2000

Language: [Chinese](#)

Region: China

Devices: High Fidelity Microphone Android Phone 16000Hz 16bit iOS

Phone 16000Hz 16bit

Smart Home Data Program

The real home scene multi-angle recording, high degree of product fit, covering smart home of the industry.

Smart Home Speech Corpus

- Real Home Scene
- Close Talking + Far-field
- Smart Control

Details

Subject: [Smart Home Data Corpus](#)

Serial ID: [AISHELL-ASR0010](#)

#Recording Point: 7

Total Time: 1854 Hours

#Speaker: 646

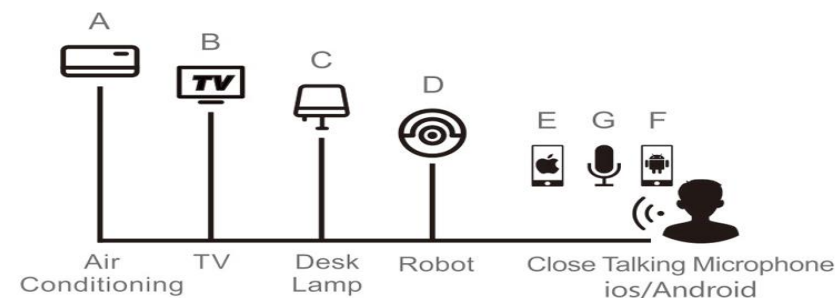
Language: [Chinese](#)

Region: China

Devices: High Fidelity Microphone Android Phone 16000Hz 16bit iOS

Phone 16000Hz 16bit

Analog Recording Live



Subject: [Smart Home Data Corpus \(English\)](#)

Serial ID: [AISHELL-ASR0020](#)

#Recording Point: 4

Total Time: 400 Hours

#Speaker: 200

Language: [English](#)

Region: America

Devices: High Fidelity Microphone

Transcriptions are chosen from multi-field: Wake up Home APP voice control: Amp/TV/Air conditioning/ Radio/light TV movie/ Music/Command words/Numbers



Basic Data Program

Voice Print Recognition Corpus

Serial ID: [AISHELL-VPR0061](#)

Total Time: 410 Hours

#Speaker: 1300

Language: [Chinese](#)

Region: China

Devices: Android Phone 16000Hz

16bit iOS Phone 16000Hz 16bit

Voice Print Recognition Corpus

Serial ID: [AISHELL-VPR0062](#)

Total Time: 666 Hours

#Speaker: 7793

Language: [Chinese](#)

Region: China

Devices: Android Phone 16000Hz

16bit iOS Phone 16000Hz 16bit

Chinese Mandarin Speech Corpus

Serial ID: [AISHELL-ASR0009](#)

Total Time: 3000 Hours

#Speaker: 2000

Language: [Chinese](#)

Region: China

Devices: High Fidelity Microphone

Android Phone 16000Hz 16bit iOS

Phone 16000Hz 16bit

Chinese Children Speech Corpus

Serial ID: [AISHELL-ASR0018](#)

Total Time: 170 Hours

#Speaker: 1117

Language: [Chinese](#)

Region: China

Devices: Android Phone 16000Hz

16bit iOS Phone 16000Hz 16bit

Chinese Children English Speech Corpus

Serial ID: [AISHELL-ASR0019](#)

Total Time: 1700 Hours

Language: [English](#)

Region: China

Devices: Android Phone 16000Hz

16bit iOS Phone 16000Hz 16bit

Chinese & English Speech Corpus

Serial ID: [AISHELL-ASR0056](#)

Total Time: 1000 Hours

Language: [Chinese & English](#)

Region: China

Devices: Android Phone 16000Hz

16bit iOS Phone 16000Hz 16bit

Chinese Senior Speech Corpus

Serial ID: [AISHELL-ASR0060](#)

Total Time: 780 Hours

#Speaker: 500

Language: [Chinese](#)

Region: China

Devices: High Fidelity Microphone

Android Phone 16000Hz 16bit iOS

Phone 16000Hz 16bit

India Hindi Speech Corpus

Serial ID: [AISHELL-ASR0026](#)

Total Time: 550 Hours

#Speaker: 580

Language: [Hindi](#)

Region: India

Devices: Android Phone 16000Hz

16bit iOS Phone 16000Hz 16bit



Open Source Data

Shared data to promote the development of artificial intelligence

AISHELL-1



178 Hours 400 speakers in the recording



Speech & Speaker Recognition



Merged with Kaldi system Kaldi recipe

Paper: AISHELL-1: An open-source Mandarin speech corpus and a speech recognition baseline

AISHELL-3



85 Hours 218 speakers in the recording



Test-To-Text (TTS) Systems



Open Source

<https://sos1sos2sixteen.github.io/aishell3/>

Paper: AISHELL-3: A Multi-speaker Mandarin TTS Corpus and the Baselines

AISHELL-2



1000 Hours 1991 speakers in the recording



Speech & Speaker Recognition



Merged with Kaldi system Kaldi recipe

Paper: AISHELL-2: Transforming Mandarin ASR Research Into Industrial Scale

AISHELL-4



120 Hours 60 speakers in the recording



Speech front-end processing & Speech Recognition
Speaker Diarization



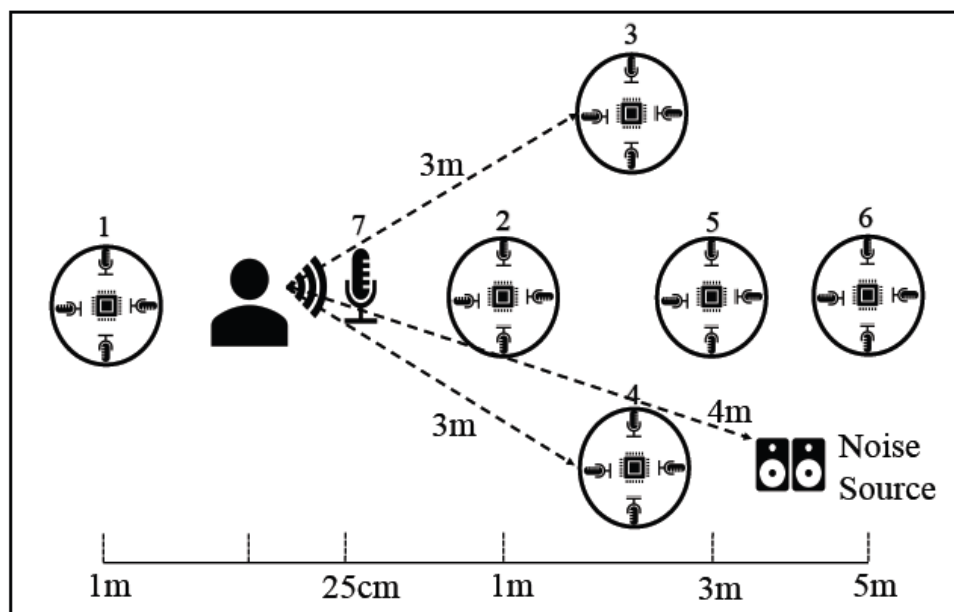
Open Source

Paper: AISHELL-4: An Open Source Dataset for Speech Enhancement, Separation, Recognition and Speaker Diarization in Conference Scenario

Open Source Data

Shared data to promote the development of artificial intelligence

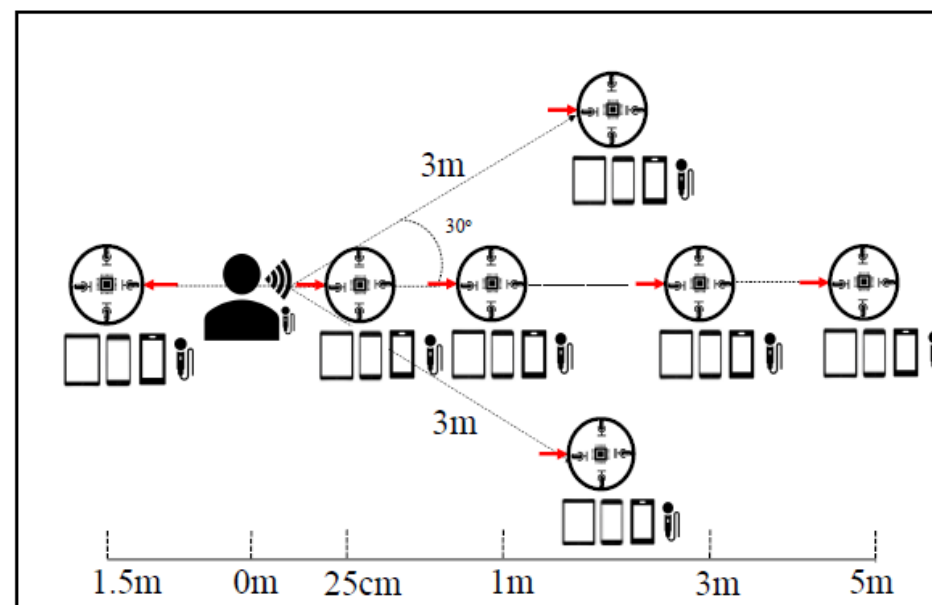
AISHELL-WakeUp-1



HI-MIA : A FAR-FIELD TEXT-DEPENDENT SPEAKER VERIFICATION DATABASE AND THE BASELINES

http://www.aishelltech.com/wakeup_data

AISHELL-DMASH



The INTERSPEECH 2020 Far-Field Speaker Verification Challenge

http://www.aishelltech.com/DMASH_Dataset



TEST DATASETS

License: Apache License V.2.0

AISHELL2-2018A-EVAL

TEST DATA:5000 utterances from 10 speakers

DEV DATA :2500 utterances from 5 speakers

DATA Information

- Sampling Rate: 16KHz
- Sample Format: 16bit
- Environment: Indoor
- Speech Data Type: PCM
- Recording Equipment: ios/Android/High Fidelity Microphone

AISHELL-2019B-EVAL

Wake-up Words Speech Dataset

DATA Information

- Total Time: 437.67Hours
- Sampling Rate: 44.1KHz & 16KHz
- Sample Format: 16bit
- Environment: Indoor
- Speech Data Type: PCM
- Recording Equipment: Microphone-Array Board /High Fidelity Microphone

AISHELL-2019A-EVAL

Near & Far Field Speech Dataset

DATA Information

- Total Time: 24.3Hours
- Sampling Rate: 44.1KHz & 16KHz
- Sample Format: 16bit
- Environment: Indoor
- Speech Data Type: PCM
- Recording Equipment: High Fidelity Microphone

AISHELL-2019C-EVAL

Translator Recording Speech Dataset

DATA Information

- Total Time: 31.2Hours
- Sampling Rate: 44.1KHz & 16KHz
- Sample Format: 16bit
- Environment: Indoor
- Speech Data Type: PCM
- Recording Equipment: JoneR Translator /High Fidelity Microphone

TEST DATASETS

License: Apache License V.2.0

AISHELL-2021A-EVAL

Voice Command Test Dataset for Car (EV)

DATA Information

-Total Time: 7.2Hours
-Sampling Rate: 16KHz
-Sample Format: 16bit
-Environment: Car
-Speech Data Type: wav
-Recording Equipment: High Fidelity Microphone

AISHELL-2021D-EVAL

Chinese Conversational Speech Test Dataset

DATA Information

-Total Time: 1.95Hours
-Sampling Rate: 8KHz
-Sample Format: 16bit
-Environment: Indoor
-Speech Data Type: wav
-Recording Equipment: Mobile Phone

AISHELL-2021B-EVAL

Far-Field Speech Test Dataset for Smart Home

DATA Information

-Total Time: 15.8Hours
-Sampling Rate: 16KHz
-Sample Format: 16bit
-Environment: Indoor
-Speech Data Type: wav
-Recording Equipment: Android Mobile Phone

AISHELL-2021E-EVAL

Court Hearing Scene Speech Test Dataset

DATA Information

-Total Time: 1Hours
-Sampling Rate: 16KHz
-Sample Format: 16bit
-Environment: Indoor
-Speech Data Type: wav

AISHELL-2019C-EVAL

Chinese Children Speech Test Dataset

DATA Information

-Total Time: 2.18Hours
-Sampling Rate: 16KHz
-Sample Format: 16bit
-Environment: Indoor
-Speech Data Type: wav
-Recording Equipment: Mobile Phone

Core technology

The technical staff of the industry frontier, intelligent instead of manpower, improve data quality



Voice data source quality evaluation system

Fast and accurate evaluation of voice signal amplitude, noise, transfer error rate determination, phoneme balance calibration.



Automatic voice transfer system

Reduce manual assistance, tend to be intelligent, support for Mandarin and English voice.



Scene data set test system

Support widespread data set plus noise, multi-distance data reverberation performance test, support environment compliance test of vehicle data set and driving condition



Audio retrieval system

Auxiliary language source data classification makes it easy to handle massive data.

Partner

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AI SHELL

Engaging in innovative changes in artificial intelligence data and technology.



WeChat



@aishelltech



AISHELL



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