

海云天语音评测API模式说明文档

1. 模式总体说明

模式	模式说明	适用场景
A	性能最高模式，输出单词打分，不输出音素及音素打分情况	1.适用于单词、句子评测，且不需要返回音标信息的 2.适用于半开放题型，如三问五答，话题简述、看图说话等 3.该模式强制按照文本顺序匹配，如果存在读多遍的情况，按照第一遍进行评分， 不适用于篇章
B	可以输出单词打分及音素，但不输出音素打分	1.该模式可以适用于只需要输出单词或句子打分，需要音素音标但不需要音素打分的场景 2.多读扣分
C	json 输出跟 A 模式相同，非强制按文本顺序匹配	适用于篇章评测
E	输出单词打分、音素及音素打分，同时输出空格和标点信息	1.适用于输出文本需要和输入文本一致的场景 2.多读不扣分
G	输出单词打分、音素及音素打分	适用于单词、句子评测且需要返回音标即音标打分详细信息的场景
H	选择题模式	有多个选项，选项之间用\n 或是换行隔开，通过朗读任意文本可以自动匹配上答案

2. A 模式输出

{	
"EvalType": "general",	general: 普通朗读题型; askandanwser: 问答题型; composition: 作文题型
"lines": [
{	
"begin": 0.142,	音频开始时间
"end": 3.052,	音频结束时间
"fluency": 80.612,	流利度

"integrity":100,	完整度
"pronunciation":85.156,	标准度
"sample":"do one thing at a time , and do well.",	评测文本
"score":84.929,	总分，百分制
"usertext":"do one thing at a time and do well",	识别的用户文本
"words":[单词详细信息
{	
"begin":0.142,	开始时间
"end":0.682,	结束时间
"score":3.742,	分数，10 分制
"text":"sil",	文本
"type":4,	0 多词；1 漏词；2 正常词；3 错误词；4 静音；5 重复词；7 空格 or 标点；8 生词
"volume":1.476	音量大小，范围 0-10
},	
{	
"StressOfWord":1,	单词重音标志，0：该单词重音朗读错误；1：该单词重音朗读正确
"begin":0.682,	音频中单词开始时间
"end":0.902,	音频中单词结束时间
"phonetic":"'du:",	单词音标
"score":9.825,	单词分数，10 分制
"text":"do",	文本
"type":2,	0 多词；1 漏词；2 正常词；3 错误词；4 静音；5 重复词；7 空格 or 标点；8 生词
"volume":9	音量大小，范围 0-10
},	
{	
"StressOfWord":0,	
"begin":0.902,	
"end":1.162,	
"phonetic":"wan",	
"score":8.304,	
"text":"one",	
"type":2,	
"volume":7.001	
},	
{	
"StressOfWord":0,	
"begin":1.162,	
"end":1.482,	
"phonetic":"'θɪŋ",	
"score":8.7,	
"text":"thing",	

```
"type":2,
"volume":7.895
},
{
  "StressOfWord":1,
  "begin":1.482,
  "end":1.662,
  "phonetic":", æt",
  "score":8.841,
  "text":",at",
  "type":2,
  "volume":8.515
},
{
  "StressOfWord":0,
  "begin":1.662,
  "end":1.722,
  "phonetic":"ə",
  "score":8.446,
  "text":",a",
  "type":2,
  "volume":2.307
},
{
  "StressOfWord":1,
  "begin":1.722,
  "end":2.142,
  "phonetic":"təɪm",
  "score":6.782,
  "text":",time",
  "type":2,
  "volume":7.85
},
{
  "StressOfWord":1,
  "begin":2.142,
  "end":2.382,
  "phonetic":"'ænd",
  "score":8.436,
  "text":",and",
  "type":2,
  "volume":5.796
},
{
  {
```

```

        "StressOfWord":1,
        "begin":2.382,
        "end":2.522,
        "phonetic":"'du:",
        "score":6.258,
        "text":"'do",
        "type":2,
        "volume":9
    },
    {
        "StressOfWord":1,
        "begin":2.522,
        "end":3.042,
        "phonetic":"'wel",
        "score":9.303,
        "text":"'well",
        "type":2,
        "volume":6.175
    },
    {
        "begin":3.042,
        "end":3.052,
        "score":2.253,
        "text":"'sil",
        "type":4,
        "volume":1.149
    }
]
}
],
"score":84.929,
"version":"'full 1.0"
}

```

最外层总分，百分制

3. B 模式输出

```

{
    "EvalType":"'general",

    "lines":[
        {
            "begin":0.142,

```

general: 普通朗读题型; askandanwser: 问答题型; composition: 作文题型

音频开始时间

"end":3.052,	音频结束时间
"fluency":80.612,	流利度
"integrity":100,	完整度
"pronunciation":85.156,	标准度
"sample":"do one thing at a time , and do well.",	评测文本
"score":84.929,	总分，百分制
"usertext":"do one thing at a time and do well",	识别的用户文本
"words":[单词详细信息
{	
"begin":0.142,	开始时间
"end":0.682,	结束时间
"score":3.742,	分数，10 分制
"subwords":[音素信息
{	
"begin":0.142,	
"end":0.682,	
"subtext":"sil",	sil 代表静音
"volume":1.476	
}	
],	
"text":"sil",	
"type":4,	
"volume":1.476	
},	
{	
"StressOfWord":1,	单词重音标志，0: 该单词重音朗读错误； 1: 该单词重音朗读正确
"begin":0.682,	音频中单词开始时间
"end":0.902,	音频中单词结束时间
"phonetic":"'du:'",	单词音标
"score":9.825,	单词分数，10 分制
"subwords":[
{	
"begin":0.682,	
"end":0.792,	
"subtext":'""',	重音符号
"volume":9	音量大小，范围 0-10
},	
{	
"begin":0.682,	音素开始时间
"end":0.792,	音素结束时间
"subtext":"'d'",	音素文本
"volume":9	音量大小，范围 0-10
},	

```

{
  "begin":0.792,
  "end":0.902,
  "subtext":"u:",
  "volume":9
},
{
  "text":"do",
  "type":2,
  "volume":9
},
{
  "StressOfWord":0,
  "begin":0.902,
  "end":1.162,
  "phonetic":"wan",
  "score":8.304,
  "subwords":[
    {
      "begin":0.902,
      "end":0.982,
      "subtext":"w",
      "volume":9
    },
    {
      "begin":0.982,
      "end":1.092,
      "subtext":"ʌ",
      "volume":9
    },
    {
      "begin":1.092,
      "end":1.162,
      "subtext":"n",
      "volume":3.002
    }
  ],
  "text":"one",
  "type":2,
  "volume":7.001
},
{
  "StressOfWord":0,

```

单词文本

0 多词； 1 漏词； 2 正常词； 3 错误词； 4
静音； 5 重复词； 7 空格 or 标点； 8 生词

```
"begin":1.162,
"end":1.482,
"phonetic":"θɪŋ",
"score":8.7,
"subwords":[
  {
    "begin":1.162,
    "end":1.242,
    "subtext":"θ",
    "volume":6.971
  },
  {
    "begin":1.242,
    "end":1.312,
    "subtext":"ɪ",
    "volume":9
  },
  {
    "begin":1.312,
    "end":1.482,
    "subtext":"ŋ",
    "volume":7.713
  }
],
"text":"thing",
"type":2,
"volume":7.895
},
{
  "StressOfWord":1,
  "begin":1.482,
  "end":1.662,
  "phonetic":", æt",
  "score":8.841,
  "subwords":[
    {
      "begin":1.482,
      "end":1.562,
      "subtext":", ",
      "volume":8.167
    },
    {
      "begin":1.482,
      "end":1.562,
```

最外层总分

```
      "subtext": "æ",
      "volume": 8.167
    },
    {
      "begin": 1.562,
      "end": 1.662,
      "subtext": "t",
      "volume": 8.863
    }
  ],
  "text": "at",
  "type": 2,
  "volume": 8.515
},
{
  "StressOfWord": 0,
  "begin": 1.662,
  "end": 1.722,
  "phonetic": "ə",
  "score": 8.446,
  "subwords": [
    {
      "begin": 1.662,
      "end": 1.722,
      "subtext": "ə",
      "volume": 2.307
    }
  ],
  "text": "a",
  "type": 2,
  "volume": 2.307
},
{
  "StressOfWord": 1,
  "begin": 1.722,
  "end": 2.142,
  "phonetic": "taɪm",
  "score": 6.782,
  "subwords": [
    {
      "begin": 1.722,
      "end": 1.862,
      "subtext": "",
      "volume": 9
    }
  ]
}
```



```
    },
    {
      "begin":1.722,
      "end":1.862,
      "subtext":"t",
      "volume":9
    },
    {
      "begin":1.862,
      "end":2.022,
      "subtext":"a",
      "volume":9
    },
    {
      "begin":2.022,
      "end":2.142,
      "subtext":"m",
      "volume":5.551
    }
  ],
  "text":"time",
  "type":2,
  "volume":7.85
},
{
  "StressOfWord":1,
  "begin":2.142,
  "end":2.382,
  "phonetic":"'ænd'",
  "score":8.436,
  "subwords":[
    {
      "begin":2.142,
      "end":2.242,
      "subtext":'',
      "volume":7.929
    },
    {
      "begin":2.142,
      "end":2.242,
      "subtext":"'æ'",
      "volume":7.929
    },
    {

```

```
      "begin":2.242,
      "end":2.342,
      "subtext":"n",
      "volume":7.803
    },
    {
      "begin":2.342,
      "end":2.382,
      "subtext":"d",
      "volume":1.656
    }
  ],
  "text":"and",
  "type":2,
  "volume":5.796
},
{
  "StressOfWord":1,
  "begin":2.382,
  "end":2.522,
  "phonetic":"'du:",
  "score":6.258,
  "subwords":[
    {
      "begin":2.382,
      "end":2.442,
      "subtext":'',
      "volume":9
    },
    {
      "begin":2.382,
      "end":2.442,
      "subtext":"d",
      "volume":9
    },
    {
      "begin":2.442,
      "end":2.522,
      "subtext":"'u:",
      "volume":9
    }
  ],
  "text":"'do",
  "type":2,
```

```
    "volume":9
  },
  {
    "StressOfWord":1,
    "begin":2.522,
    "end":3.042,
    "phonetic":"'wel'",
    "score":9.303,
    "subwords":[
      {
        "begin":2.522,
        "end":2.662,
        "subtext":'""',
        "volume":7.654
      },
      {
        "begin":2.522,
        "end":2.662,
        "subtext":"'w'",
        "volume":9
      },
      {
        "begin":2.662,
        "end":2.862,
        "subtext":"'e'",
        "volume":7.654
      },
      {
        "begin":2.862,
        "end":3.042,
        "subtext":"'l'",
        "volume":1.872
      }
    ],
    "text":"'well'",
    "type":2,
    "volume":6.175
  },
  {
    "begin":3.042,
    "end":3.052,
    "score":2.253,
    "subwords":[
      {
```

```

        "begin":3.042,
        "end":3.052,
        "subtext":"sil",
        "volume":1.149
    }
],
    "text":"sil",
    "type":4,
    "volume":1.149
}
]
}
],
    "score":84.929,
    "version":"full 1.0"
}

```

最外层总分，百分制

4. C 模式输出

跟A 模式相同，参考A 模式

5. E 模式输出

```

{
    "version":"full 1.0",
    "score":84.929,
    "EvalType":"general",
    "lines":[
        {
            "sample":"do one thing at a time , and do well.",
            "usertext":"do one thing at a time and do well",
            "begin":0.142,
            "end":3.052,
            "score":84.929,
            "fluency":80.612,
            "integrity":100,
            "pronunciation":85.156,
            "words":[
                {

```

最外层总分，百分制

general: 普通朗读题型; askandanwser: 问答题型;
composition: 作文题型

评测文本

识别的用户文本

开始时间

结束时间

总分，百分制

流利度

完整度

标准度

单词详细信息

```
"StressOfWord":1,

"phonetic":"'du:",
"text":"'do",

"type":2,

"begin":0.682,
"end":0.902,
"volume":9,
"score":9.825,
"subwords":[
{
  "subtext": "",
  "volume":9,
  "begin":0.682,
  "end":0.792,
  "score":10
},
{
  "subtext":"'d",
  "volume":9,
  "begin":0.682,
  "end":0.792,
  "score":9.532
},
{
  "subtext":"'u:",
  "volume":9,
  "begin":0.792,
  "end":0.902,
  "score":10
}
]
},
{
  "text": " ",
  "type":7,
  "begin":0,
  "end":0,
  "volume":0,
  "score":0,
  "subwords":[
```

单词重音标志，0：该单词重音朗读错误；1：该单词重音朗读正确

单词音标

单词文本

0 多词；1 漏词；2 正常词；3 错误词；4 静音；5 重复词；7 空格 or 标点；8 生词

单词开始时间

单词结束时间

音量大小，范围 0-10

单词打分，10 分制

音素详细信息

重音符号

音量大小，范围 0-10

开始时间

结束时间

0：重音错误；10：重音正确

音素文本

音素分数，10 分制

空格

6. G 模式输出

{	
"EvalType": "general",	general: 普通朗读题型; askandanwser: 问答题型;
	composition: 作文题型
"lines": [
{	
"begin": 0.142,	开始时间
"end": 3.052,	结束时间
"fluency": 80.612,	流利度
"integrity": 100,	完整度
"pronunciation": 85.156,	标准度
"sample": "do one thing at a time , and do well.",	评测文本
"score": 84.929,	总分, 百分制
"usertext": "do one thing at a time and do well",	识别的用户文本
"words": [单词详细信息
{	
"begin": 0.142,	
"end": 0.682,	
"score": 3.742,	
"subwords": [单词音标
{	单词文本
"begin": 0.142,	
"end": 0.682,	
"subtext": "sil",	静音
"volume": 1.476	音量大小, 范围 0-10
}	
],	音素详细信息
"text": "sil",	
"type": 4,	0 多词; 1 漏词; 2 正常词; 3 错误词; 4 静音; 5
	重复词; 7 空格 or 标点; 8 生词
"volume": 1.476	音量大小, 范围 0-10
},	
{	
"StressOfWord": 1,	单词重音标志, 0: 该单词重音朗读错误; 1: 该单词
	重音朗读正确
"begin": 0.682,	单词开始时间
"end": 0.902,	单词结束时间
"phonetic": "du:",	单词音标
"score": 9.825,	单词打分, 10 分制
"subwords": [音素详细信息
{	
"begin": 0.682,	

```

        "end":0.792,
        "score":10,
        "subtext":"","
        "volume":9
    },
    {
        "begin":0.682,
        "end":0.792,
        "score":9.532,
        "subtext":"d",
        "volume":9
    },
    {
        "begin":0.792,
        "end":0.902,
        "score":10,
        "subtext":"u:",
        "volume":9
    }
],
    "text":"do",
    "type":2,
    "volume":9
},
{
    "StressOfWord":0,
    "begin":0.902,
    "end":1.162,
    "phonetic":"wan",
    "score":8.304,
    "subwords":[
        {
            "begin":0.902,
            "end":0.982,
            "score":9.615,
            "subtext":"w",
            "volume":9
        },
        {
            "begin":0.982,
            "end":1.092,
            "score":8.877,
            "subtext":"^",
            "volume":9
        }
    ]
}

```

0: 重音错误; 10: 重音正确
重音符号

```
    },
    {
      "begin":1.092,
      "end":1.162,
      "score":6.921,
      "subtext":"n",
      "volume":3.002
    }
  ],
  "text":"one",
  "type":2,
  "volume":7.001
},
{
  "StressOfWord":0,
  "begin":1.162,
  "end":1.482,
  "phonetic":"ŋ",
  "score":8.7,
  "subwords":[
    {
      "begin":1.162,
      "end":1.242,
      "score":8.713,
      "subtext":"θ",
      "volume":6.971
    },
    {
      "begin":1.242,
      "end":1.312,
      "score":9.824,
      "subtext":"i",
      "volume":9
    },
    {
      "begin":1.312,
      "end":1.482,
      "score":8.33,
      "subtext":"ŋ",
      "volume":7.713
    }
  ],
  "text":"thing",
  "type":2,
```



```
"volume":7.895
},
{
  "StressOfWord":1,
  "begin":1.482,
  "end":1.662,
  "phonetic":", æt",
  "score":8.841,
  "subwords":[
    {
      "begin":1.482,
      "end":1.562,
      "score":10,
      "subtext":", ",
      "volume":8.167
    },
    {
      "begin":1.482,
      "end":1.562,
      "score":8.711,
      "subtext":", æ",
      "volume":8.167
    },
    {
      "begin":1.562,
      "end":1.662,
      "score":9.016,
      "subtext":", t",
      "volume":8.863
    }
  ],
  "text":",at",
  "type":2,
  "volume":8.515
},
{
  "StressOfWord":0,
  "begin":1.662,
  "end":1.722,
  "phonetic":", ə",
  "score":8.446,
  "subwords":[
    {
      "begin":1.662,
```

```
        "end":1.722,
        "score":8.446,
        "subtext":"ə",
        "volume":2.307
    }
],
    "text":"a",
    "type":2,
    "volume":2.307
},
{
    "StressOfWord":1,
    "begin":1.722,
    "end":2.142,
    "phonetic":"'taɪm",
    "score":6.782,
    "subwords":[
        {
            "begin":1.722,
            "end":1.862,
            "score":10,
            "subtext":'',
            "volume":9
        },
        {
            "begin":1.722,
            "end":1.862,
            "score":5.379,
            "subtext":"t",
            "volume":9
        },
        {
            "begin":1.862,
            "end":2.022,
            "score":7.517,
            "subtext":"a",
            "volume":9
        },
        {
            "begin":2.022,
            "end":2.142,
            "score":8.661,
            "subtext":"m",
            "volume":5.551
        }
    ]
}
```

```
}
],
"text": "time",
"type": 2,
"volume": 7.85
},
{
  "StressOfWord": 1,
  "begin": 2.142,
  "end": 2.382,
  "phonetic": "ænd",
  "score": 8.436,
  "subwords": [
    {
      "begin": 2.142,
      "end": 2.242,
      "score": 10,
      "subtext": "",
      "volume": 7.929
    },
    {
      "begin": 2.142,
      "end": 2.242,
      "score": 8.443,
      "subtext": "æ",
      "volume": 7.929
    },
    {
      "begin": 2.242,
      "end": 2.342,
      "score": 8.803,
      "subtext": "n",
      "volume": 7.803
    },
    {
      "begin": 2.342,
      "end": 2.382,
      "score": 8.183,
      "subtext": "d",
      "volume": 1.656
    }
  ],
  "text": "and",
  "type": 2,
```

```
    "volume":5.796
  },
  {
    "StressOfWord":1,
    "begin":2.382,
    "end":2.522,
    "phonetic":"'du:",
    "score":6.258,
    "subwords":[
      {
        "begin":2.382,
        "end":2.442,
        "score":10,
        "subtext":"'d",
        "volume":9
      },
      {
        "begin":2.382,
        "end":2.442,
        "score":4.929,
        "subtext":"'d",
        "volume":9
      },
      {
        "begin":2.442,
        "end":2.522,
        "score":8.107,
        "subtext":"'u:",
        "volume":9
      }
    ],
    "text":"'do",
    "type":2,
    "volume":9
  },
  {
    "StressOfWord":1,
    "begin":2.522,
    "end":3.042,
    "phonetic":"'wel",
    "score":9.303,
    "subwords":[
      {
        "begin":2.522,
```

```

        "end":2.662,
        "score":10,
        "subtext":"","
        "volume":7.654
    },
    {
        "begin":2.522,
        "end":2.662,
        "score":9.428,
        "subtext":"w",
        "volume":9
    },
    {
        "begin":2.662,
        "end":2.862,
        "score":10,
        "subtext":"e",
        "volume":7.654
    },
    {
        "begin":2.862,
        "end":3.042,
        "score":8.977,
        "subtext":"l",
        "volume":1.872
    }
],
"text":"well",
"type":2,
"volume":6.175
},
{
    "begin":3.042,
    "end":3.052,
    "score":2.253,
    "subwords":[
        {
            "begin":3.042,
            "end":3.052,
            "subtext":"sil",
            "volume":1.149
        }
    ]
},
"text":"sil",

```

```

    "type":4,
    "volume":1.149
  }
]
}
],
"score":84.929,
"version":"full 1.0"
}
```

最外层分数，百分制

7. H 模式输出

这个模式的特点是输入文本有差异

在设置 H 模式时，输入 4 个不同的文本，文本之间是\n 或是换行分割，如：
Good\nperfect\nnice\nsmart

当朗读perfect 时，可以自动返回 perfect 的打分结果，如果业务层对应 4 个选项，则自动匹配上B 答案，打分结果的层次结构跟 G 模式相同

```

{
  "EvalType":"general",
  "lines":[
    {
      "begin":0,
      "end":1.821,
      "fluency":62.083,
      "integrity":100,
      "pronunciation":77.888,
      "sample":"perfect",
      "score":77.097,
      "usertext":"perfect",
      "words":[
        {
          "begin":0.081,
          "end":0.801,
          "score":3.612,
          "subwords":[
            {
              "begin":0.081,
              "end":0.801,
              "subtext":"sil",
              "volume":1.464
            }
          ]
        },
        {
          "text":"sil",

```

general：普通朗读题型；askandanwser：问答题型；composition：作文题型

开始时间
结束时间
流利度
完整度
标准度
评测文本
总分，百分制
识别的用户文本

音量大小，范围 0-10

```

"type":4,

"volume":1.464
},
{
  "StressOfWord":1,

  "begin":0.801,
  "end":1.661,
  "phonetic":"'pɜːfɪkt'",
  "score":7.707,
  "subwords":[
    {
      "begin":0.801,
      "end":0.941,
      "score":10,
      "subtext": "'",
      "volume":6.922
    },
    {
      "begin":0.801,
      "end":0.941,
      "score":8.21,
      "subtext": "p",
      "volume":9
    },
    {
      "begin":0.941,
      "end":1.101,
      "score":3.971,
      "subtext": "ɜː",
      "volume":6.922
    },
    {
      "begin":1.101,
      "end":1.201,
      "score":9.103,
      "subtext": "f",
      "volume":6.809
    },
    {
      "begin":1.201,
      "end":1.321,
      "score":9.308,

```

0 多词；1 漏词；2 正常词；3 错误词；4 静音；5 重复词；7 空格 or 标点；8 生词

单词重音标志，0：该单词重音朗读错误；
1：该单词重音朗读正确

单词音标
得分，10 分制

```
        "subtext": "l",
        "volume": 6.333
    },
    {
        "begin": 1.321,
        "end": 1.441,
        "score": 9.636,
        "subtext": "k",
        "volume": 6.923
    },
    {
        "begin": 1.441,
        "end": 1.661,
        "score": 8.691,
        "subtext": "t",
        "volume": 7.05
    }
],
"text": "perfect",
"type": 2,
"volume": 7.173
},
{
    "begin": 1.661,
    "end": 1.821,
    "score": 4.498,
    "subwords": [
        {
            "begin": 1.661,
            "end": 1.821,
            "subtext": "sil",
            "volume": 1.014
        }
    ],
    "text": "sil",
    "type": 4,
    "volume": 1.014
}
]
}
],
"score": 77.097,
"version": "full 1.0"
```