

SIT 789

Task 9.1: Speech recognition with IBM Watson

Task 1

Audio files:

arctic_a0001.wav and p232_014.wav

```
C:\Users\singh\Documents\MastersAppliedAI\Deakin\SIT789_CompVision_SpeechProcessing\Practicals\SpeechToTextData>curl -X POST -u "apikey:aRUa2wF6NEWP0IQjcu8YEi0QbZa-B2Km-20P9p2zo1E" --header "Content-Type: audio/wav" --data-binary @arctic_a0001.wav "https://api.au-syd.speech-to-text.watson.cloud.ibm.com/instances/cdd27c84-7f44-4e34-8a1d-7aa0e1f46c0c/v1/recognize"
{
  "result_index": 0,
  "results": [
    {
      "final": true,
      "alternatives": [
        {
          "transcript": "author of the danger trail Phillips steals etcetera ",
          "confidence": 0.78
        }
      ]
    }
  ]
}

C:\Users\singh\Documents\MastersAppliedAI\Deakin\SIT789_CompVision_SpeechProcessing\Practicals\SpeechToTextData>curl -X POST -u "apikey:aRUa2wF6NEWP0IQjcu8YEi0QbZa-B2Km-20P9p2zo1E" --header "Content-Type: audio/wav" --data-binary @p232_014.wav "https://api.au-syd.speech-to-text.watson.cloud.ibm.com/instances/cdd27c84-7f44-4e34-8a1d-7aa0e1f46c0c/v1/recognize"
{
  "result_index": 0,
  "results": [
    {
      "final": true,
      "alternatives": [
        {
          "transcript": "the Hebrews it was a token that there would be no more universal floods ",
          "confidence": 0.92
        }
      ]
    }
  ]
}
```

Task 2:

We can observe that using IBM speech-to-text service we can convert speech samples using command line as well as API in code to get JSON results.