

ASR Coursework Lab 2016–2017

Feedback for: s1626868, s1469487

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Total Mark: 80/100

1 Monophone models

1.1 Number of Gaussian mixture components [11/15]

- Design of experiment
 - Range and resolution of the number of Gaussians is good
 - Increasing the number of mixture components in powers of two would be good
 - The optimal number of Gaussians is reported
 - Run time reported
- Presentation of results
 - Experimental conditions shown clearly, allowing reproduction of experiments
 - The results are very well summarised with graphs/tables
- Discussions and quality of report
 - Theory and experimental points are described, reported and discussed well
 - Easy to read
 - The structure of the report is clear
 - You don't need to include code in your report
 - Include brief summary of results in abstract/introduction

1.2 Different acoustic features [13/15]

- Design of experiment
 - The design of the experiment is very good
- Presentation of results
 - Experimental conditions not shown clearly (feature dimensions)
 - The results are well summarised with graphs/tables
 - Figures are hard to read
- Discussions
 - Theory and experimental points are described, reported and discussed very well

1.3 Dynamic features [9/10]

- Design of experiment
 - The design of the experiment is very good, the investigation of delta and delta-delta is done properly
- Presentation of results
 - The results are well summarised with graphs/tables
 - Figures are hard to read
- Discussions
 - Theory and experimental points are described, reported and discussed very well

1.4 CMN/CVN [7/10]

- Design of experiment
 - The design of the experiment is OK
 - Investigate CMN and CVN independently
- Presentation of results
 - The results are well summarised
- Discussions
 - Theory and experimental points are described, reported and discussed very well

2 Tied-state triphone models [15/25]

- Design of experiments
 - The design of the experiment is very good, parameters varied independently
 - Range and resolution of the number of Gaussians is very good
 - Range and resolution of the number of clusters is very good
 - The optimal number of Gaussians and the optimal number of clusters are reported
- Presentation of results
 - Experimental conditions could be shown more clearly
 - The results are well summarised with graphs/tables
 - Figures are hard to read
- Discussions
 - Theory and experimental points are described, reported and discussed very well

3 Advanced tasks [25/25]

3.1 Gender dependent models [10/10]

- Design of experiment
 - The design of the experiment is very good
- Presentation of results
 - The results are very well summarised with graphs/tables
- Discussions
 - Theory and experimental points are described, reported and discussed very well

3.2 Feature transformation and speaker adaptive training [15/15]

- Design of experiment
 - The design of the experiment is very good
- Presentation of results
 - The results are very well summarised with graphs/tables
- Discussions
 - Theory and experimental points are described, reported and discussed very well