|  |  |  |  |
| --- | --- | --- | --- |
| **System** | **Context Modeling** | **Corpus** | **WER (%)** |
| **CI Baseline (1mix)** | **No** | **RM** | **24.66** |
| **CI Baseline (16 mix)** | **No** | **RM** | **9.17** |
| **CD Baseline (1 mix)** | **CD** | **RM** | **10.64** |
| **CD Baseline (16 mix)** | **CD** | **RM** | **4.84** |
| **NP algorithm (1 mix)** | **No** | **RM** | **20.34** |
| **NP algorithm (16 mix)** | **No** | **RM** | **11.61** |
| **CD NP algorithm (1 mix)** | **CD** | **RM** | **15.81** |
| **CD NP algorithm (16 mix)** | **CD** | **RM** | **9.81** |
| **(Bacchiani) CI low-complexity** | **No** | **RM** | **19.70** |
| **(Bacchiani) High complexity** | **Word Context** | **RM** | **11.40** |
| **(Bacchiani) CD low-complexity (1mix)** | **Phoneme Context** | **RM** | **13.70** |
| **(Bacchiani) CD high-complexity** | **Phoneme + Word Context** | **RM** | **9.90** |
| **(Singh) CI probabilistic framework** | **No** | **RM** | **20.00** |
| **(Singh) CI phoneme baseline** | **No** | **RM** | **15.00** |
| **CI Nonparametric Bayesian** | **No** | **Jupiter** | **17.00** |
| **CD Nonparametric Bayesian** | **Phoneme Context** | **Jupiter** | **13.40** |
| **CI Phoneme Baseline** | **No** | **Jupiter** | **13.80** |
| **CD Phoneme Baseline** | **Phoneme Context** | **Jupiter** | **10.00** |

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| --- | --- | --- | --- |
| Experiment | Context Modeling | Mixture No. | WER (%) |
| CI Baseline | CI | 1 | 24.66 |
| CI Baseline | CI | 16 | 9.17 |
| CD Baseline | CD | 1 | 10.64 |
| CD Baseline | CD | 16 | 4.84 |
| NP algorithm | CI | 1 | 20.34 |
| NP algorithm | CI | 16 | 11.61 |
| CD NP algorithm | CD | 1 | 15.81 |
| CD NP algorithm | CD | 16 | 9.81 |