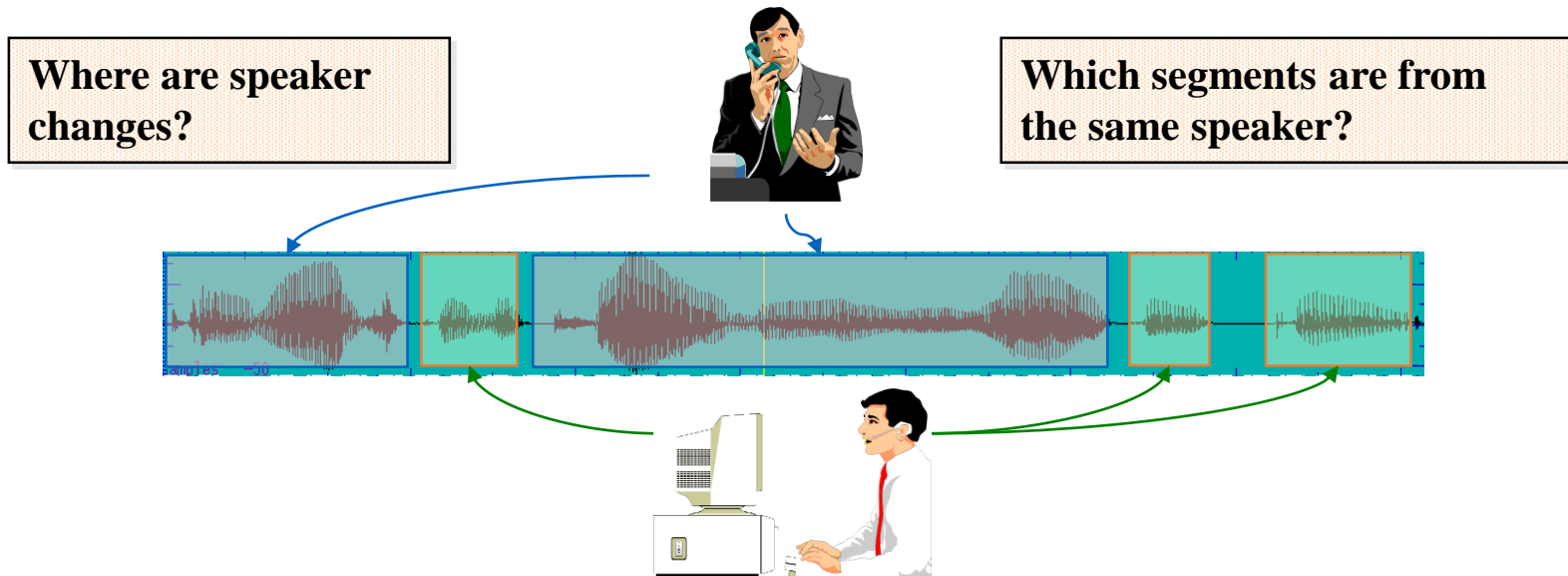


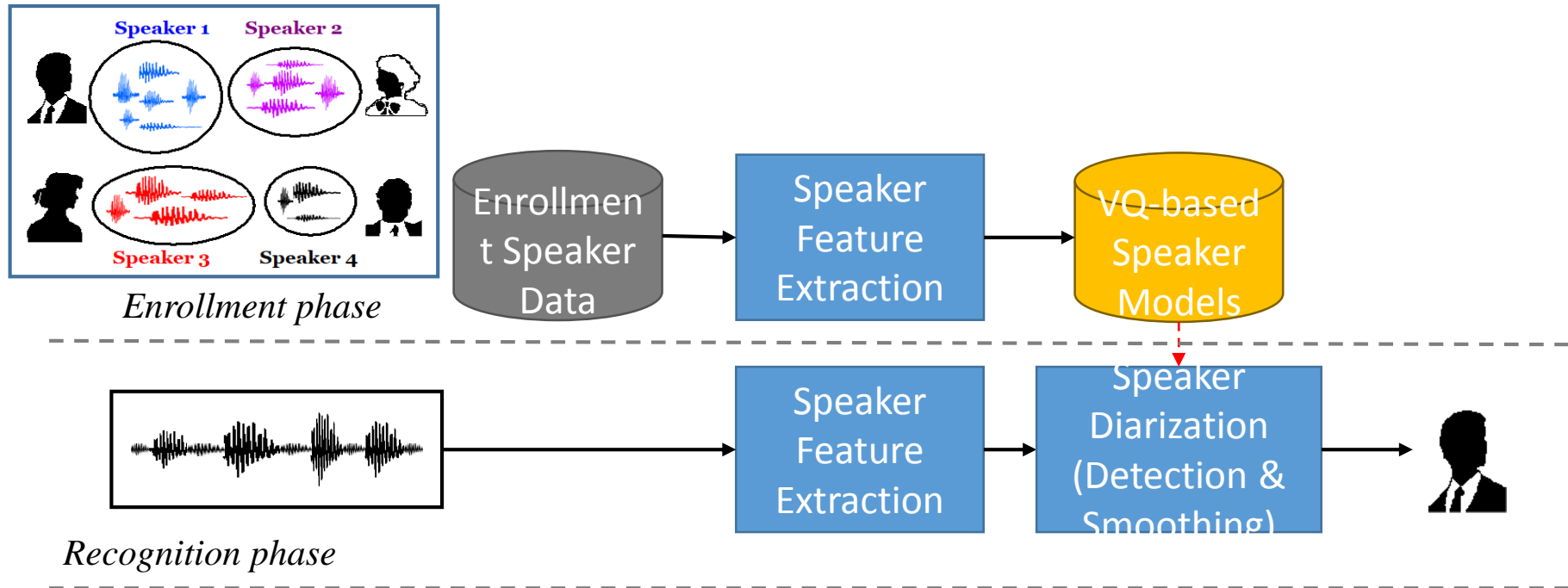
Diarization

Segmentation and Clustering

- ❑ Determine when speaker change has occurred in speech signal (segmentation)
- ❑ Group together speech segments from same speaker (clustering)
- ❑ Prior speaker information may or may not be available



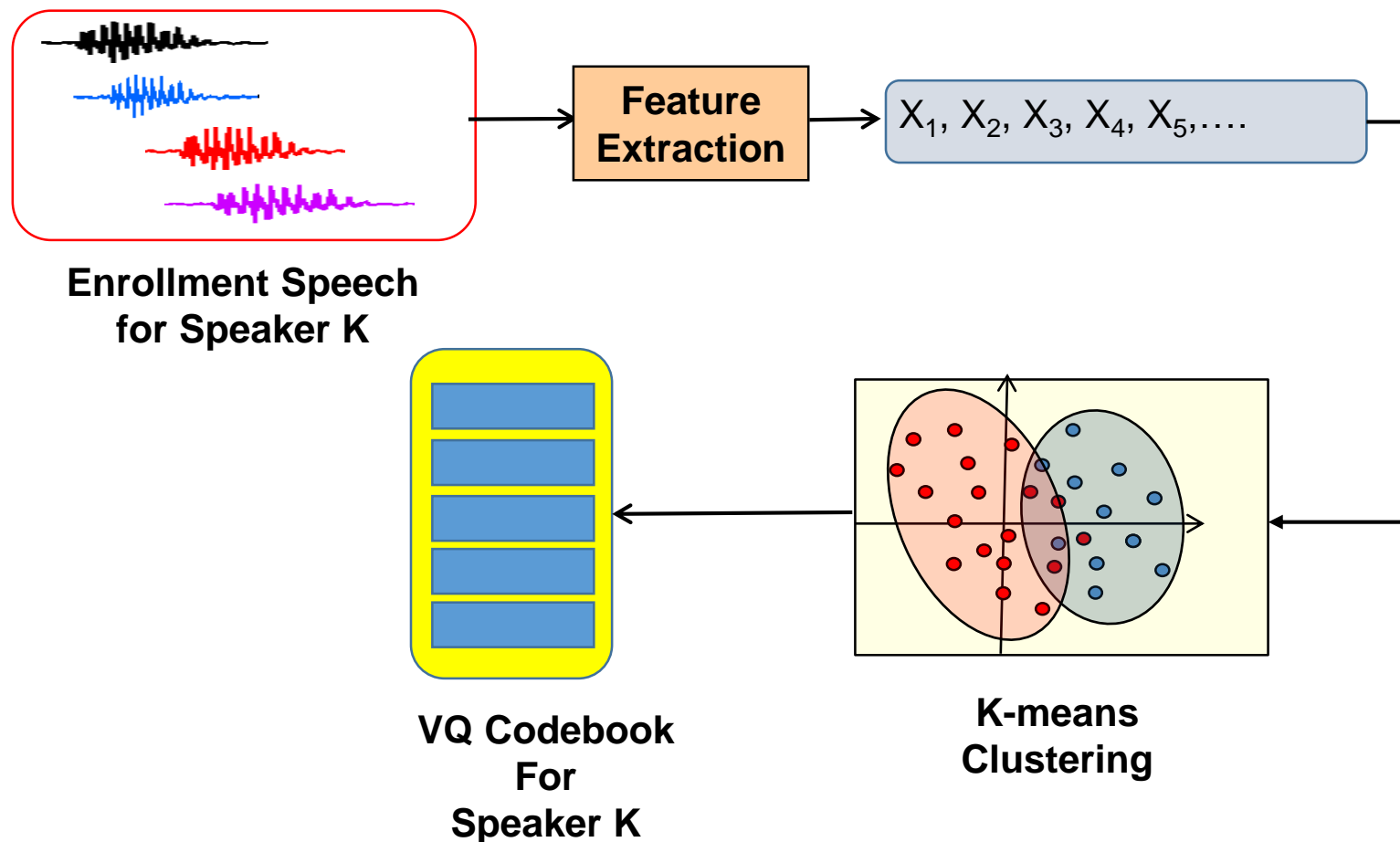
Baseline System



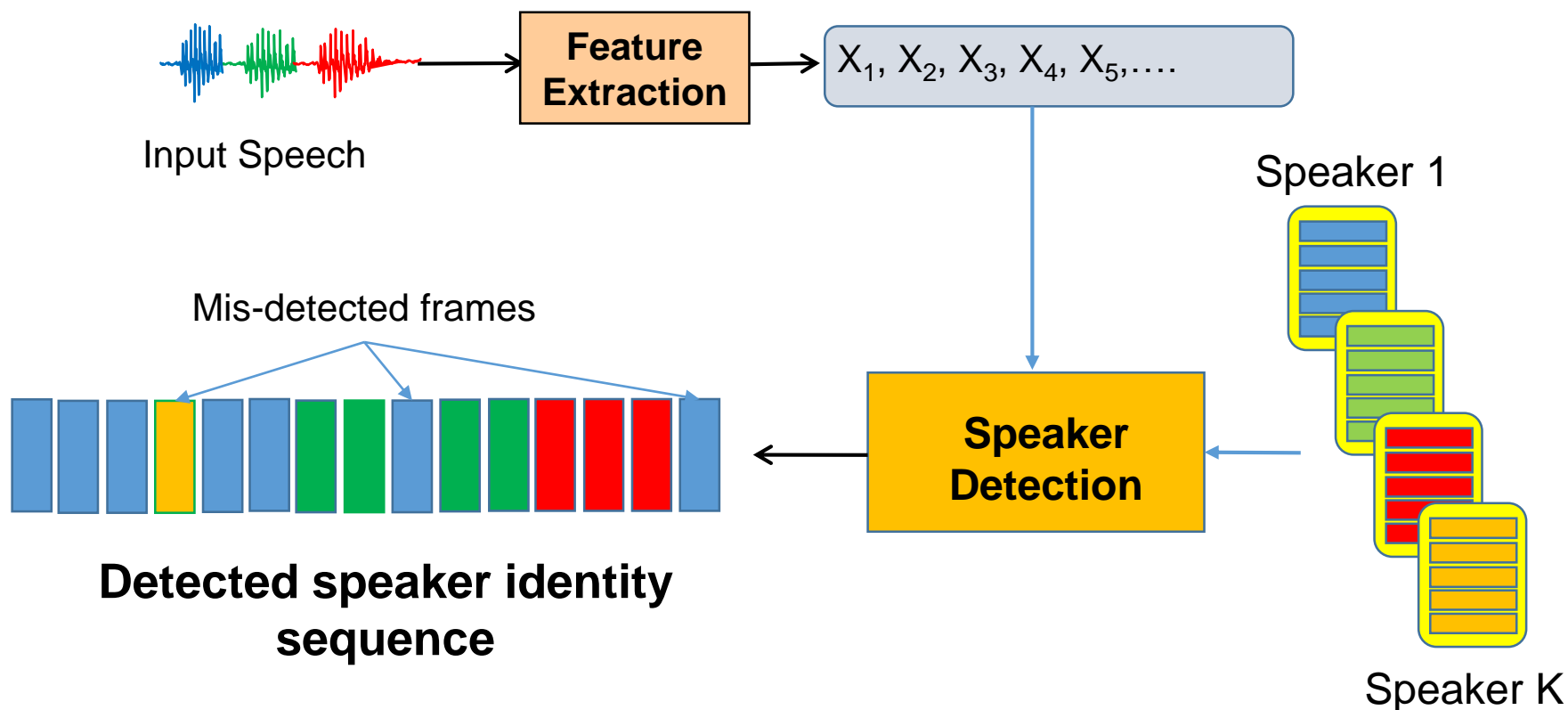
□ Three stages in baseline system

- Speaker Enrollment and Model training
- VQ-based speaker detection
- Speaker Identity Smoothing

VQ-Based Speaker Model

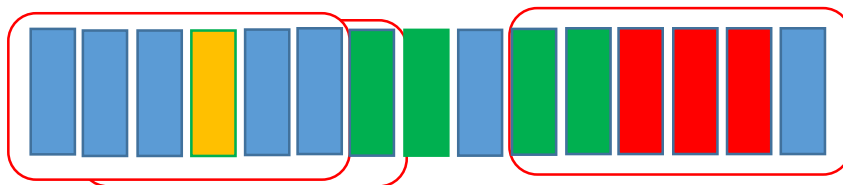


VQ-Based Speaker Detection



Speaker Identity Smoothing

Detected speaker identity sequence



Smoothing

