## Performance-Based Measures of Speech Quality

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## Intelligibility, Quality, Productivity & NR

Speech Intelligibility

- > Typically measured as % words correct in articulation test
- Robust performance measure

## Speech Quality

- > Typically measured on rating scale 1-5 (MOS)
- Fragile opinion measure

## Speech Productivity

- Performance in everyday speech communication tasks
- Noise Reduction / Speech Enhancement
  - ) Generally causes slight increase in speech quality O
  - ) Generally causes slight decrease in speech intelligibility  $\otimes$
  - But what is effect on productivity ?

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