

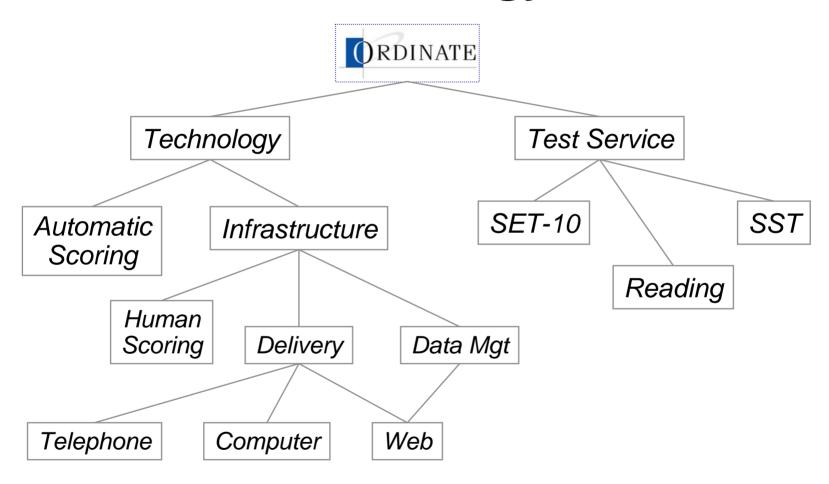
Spoken Language Testing: Ordinate's SET-10

TESOL 2004, Long Beach

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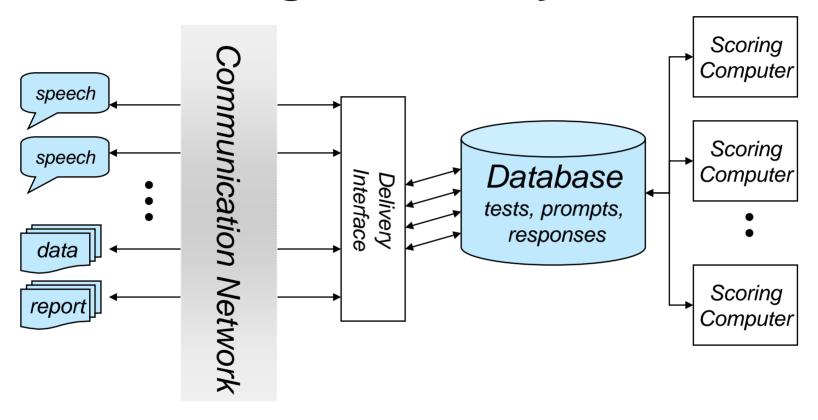


Ordinate Technology & Services





Testing Service System





Spoken English Tests

SET-10: An efficient, reliable ESL proficiency test that measures listening and speaking performance in integrated tasks.

Junior SET (I, II): SET forms for early learners, with more graphic support and spoken instructions in the local language.

SST: Spoken Spanish Test (others on the way)



SET Tests

Construct: facility in spoken English – the ability to understand spoken English and speak appropriately in response at a native-like pace on everyday topics.

Benefits:

Simple administration at any location

Fair, accurate scores

More reliable (consistent) than human judgment

Relevant to practical language use

Precision for formative progress tracking



Test Format:

Test number (PIN)

Part A: reading 8 items

Part B: repeat Ss 16 items

Part C: short Qs 24 items

Part D: build Ss 10 items

Part E: open Qs 3 items



PhonePass[®]

Test Identification Number

Call: 1-800-444-7277

8607 2171

Introduction:

Thank you for calling Ordinate's PhonePass system.

Please enter your Test Identification Number on the telephone keypad.

Now, please say your name.

Now, please follow the instructions for Parts A through E.

Part A: Reading. Please read the sentences as you are instructed.

- 1. Traffic is a huge problem in Southern California.
- 2. The endless city has no coherent mass transit system.
- 3. Sharing rides was going to be the solution to rush-hour traffic.
- 4. Most people still want to drive their own cars, though.
- 5. Larry's next door neighbors are awful.
- They play loud music all night when he's trying to sleep.
- 7. If he tells them to stop, they just turn it up louder.
- He wants to move out of that neighborhood.
- My aunt recently rescued a dog that was sick.
- She brought her home and named her Margaret.
- 11. They weren't sure she was going to live, but now she's healthy.
- 12. I just wish she could get along better with their cat.

Part B: Repeat. Please repeat each sentence that you hear.

Example: a voice says, "Leave town on the next train." and you say, "Leave town on the next train."

Part C: Questions. Now, please just give a simple answer to the questions.

Example: a voice says, "Would you get water from a bottle or a newspaper?" and you say, "a bottle" or "from a bottle".

Part D: Sentence Builds. Now, please rearrange the word groups into a sentence.

Example: a voice says, "was reading" ... "my mother" ... "her favorite magazine" and you say, "My mother was reading her favorite magazine."

Part E: Open Questions. You will have 20 seconds to answer each of three questions. The questions will be about family life or personal choices. You will hear each question twice. When you hear a beep, you will have 20 seconds to answer the question. At the end of the 20 seconds, another beep will signal the end of the time you have to answer.

Expires: 2003/3/20

SET - 44 - 4648 - 1



Core Technologies

Computational Linguistics

base materials/scoring on actual language usage

Speech Recognition

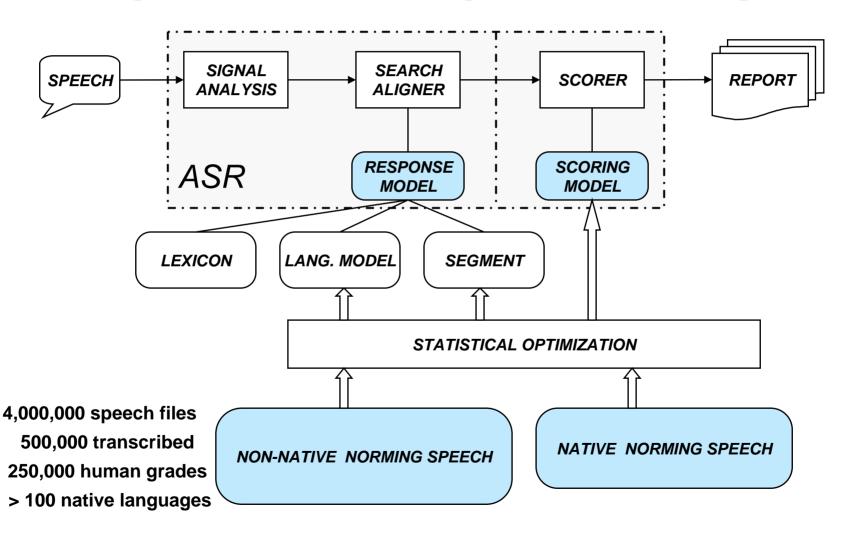
measure what people say, and how they say it recognition optimized for special populations

Psychological Measurement

careful validation assures reliability and fairness

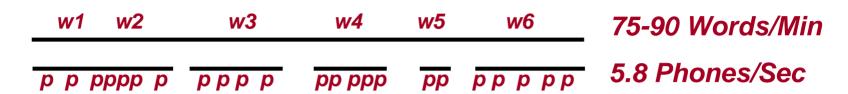


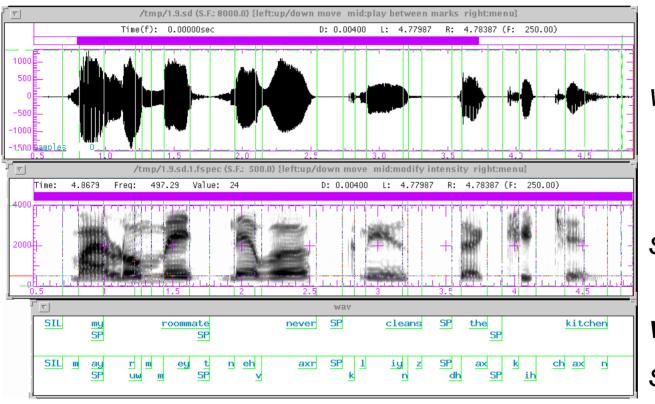
Augmented Recognition Design





Phoneme & Word Alignment





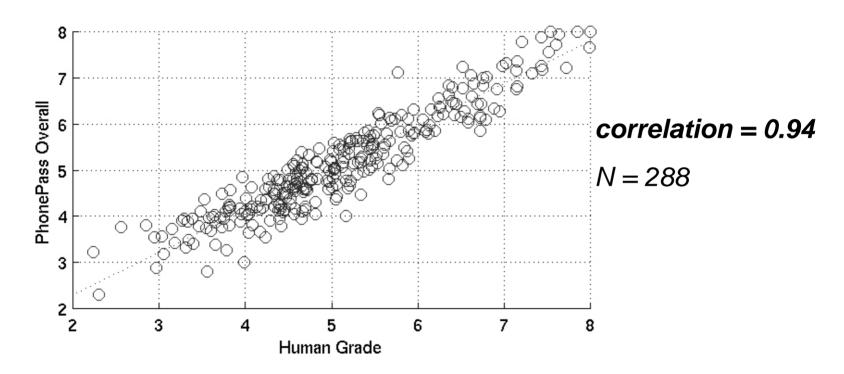
waveform 🀠

spectrum

words segmentation



Machine-Human Comparison

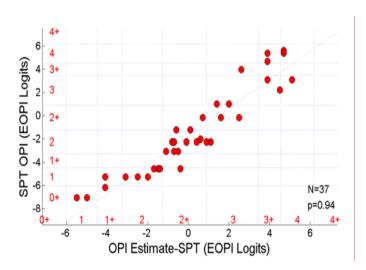


Data from testing at US universities and companies in Europe, Asia, and Latin America.

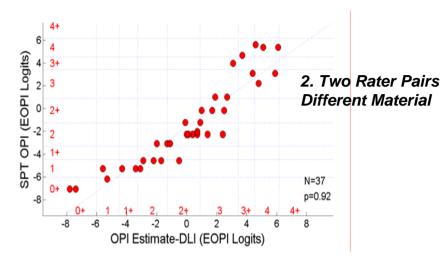


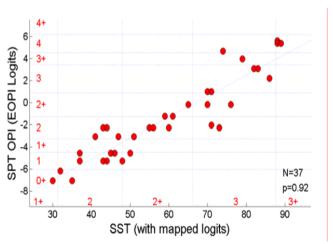
SST ~ **SPT** Interview

- 1. SPT Interview ~ SPT ILR Estimate
- 2. SPT Interview ~ DLI ILR Estimate
- 3. SPT Interview ~ Machine score



1. Same Raters
Different Material

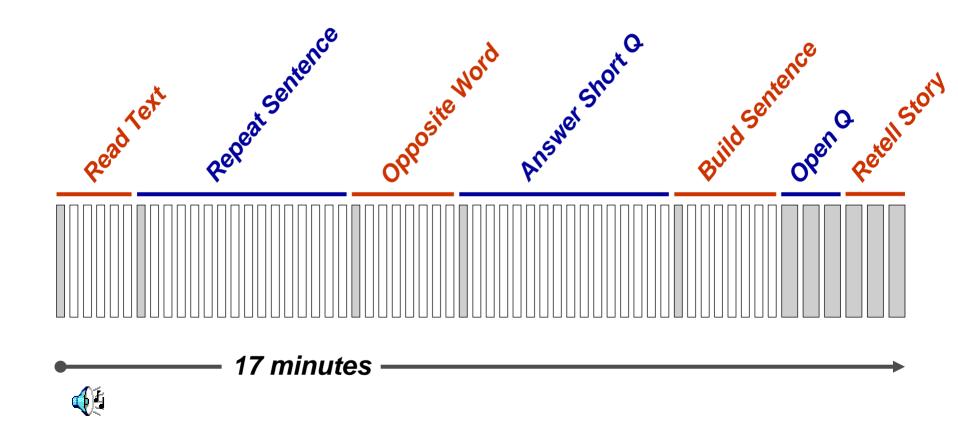




3. Machine ~ Two Raters
Different Material



SST: 60-Item Sequence





Summary & Invitation

Automatic spoken language testing advantages: narrow construct and valid inference, cost, operational reliability, convenience.

Available now in English (for adults & children), in development for Spanish, Japanese, ...

Invitation: Ordinate supports research projects in several areas – let's test the tests.