

# Guide to the SALT 24 Variables

## Variables Included in the *Standard Measures Report*



	Language Measure	Description
	Current Age	Current age of speaker
<b>TRANSCRIPT LENGTH</b>		
	Total Utterances	Total number of utterances
#	C&I Verbal Utts (complete, intelligible, verbal) ( <i>current analysis set</i> )	Number of utterances in the current analysis set
	All Words Including Mazes	Total number of completed words ( <i>excludes part words</i> )
	Elapsed Time	Elapsed time, transcript duration, in minutes
<b>INTELLIGIBILITY</b>		
	% Intelligible Utterances	% of verbal utterances or words that do not contain unintelligible segments
	% Intelligible Words	( <i>excludes mazes</i> )
<b>MACRO ANALYSIS</b>		
	NSS Composite Score ESS Composite Score PSS Composite Score ONQ Composite Score CQ Composite Score ONC Composite Score	- Included if the sample is a narrative, expository, or persuasion ( <i>defined by +Context: Nar, +Context: Expo, +Context: Pers</i> ) and the specific scoring scheme has been applied on plus lines in the transcript; composite score is the sum of the individual scores  - Comprehension questions composite score ( <i>if transcript is narrative and scored for comprehension</i> ) - Oral narrative comprehension composite score ( <i>if transcript is narrative based on AGL story and is scored for comprehension</i> )
<b>SYNTAX/MORPHOLOGY</b>		
#	MLU in Words MLU in Morphemes	Mean length of utterances in words or morphemes ( <i>excludes mazes</i> )
#	% Utterances with Verbs Mean Verbs per Utterance	- percent of utterances which contain verbs - ratio of the number of verbs to the number of utterances ( <i>verbs are identified as either "Verbs" or "Copula Forms" using the Grammatical Category algorithm – only available for English samples</i> )
#	% Utts with Nonmainstream Forms	Percent of utterances which contain one or more nonmainstream-form codes
#	SI Composite Score	Included only if the sample has been coded for Subordination Index; composite score is the average of the individual scores
<b>SEMANTICS</b>		
#	Number Total Words (NTW)	Total number of words ( <i>excludes mazes</i> )
#	Number Different Words (NDW)	Number of different word roots ( <i>excludes mazes</i> )
#	Moving-Average NTW Moving-Average NDW Moving-Average Type-Token Ratio (TTR)	Estimates NDW using a moving window. Initially, a window size (Moving-Average NTW) is selected, e.g., 100 words, and NDW for words 1–100 is calculated. Then NDW is calculated for words 2–101, then 3–102, and so on to the end of the sample. Moving-Average NDW is then calculated as the average of the individual NDWs. Finally Moving-Average TTR is calculated by dividing Moving-Average NDW by Moving-Average NTW.
<b>DISCOURSE</b> ( <i>not included for narrative or expository samples</i> )		
	Mean Turn Length (utterances) Mean Turn Length (words)	Average number of consecutive utterances/words ( <i>excludes mazes</i> )
	% Responses to Questions % Responses to Intonation Prompts	% of another speaker's questions/intonation prompts that were responded to, where response is defined as an utterance from the target speaker immediately following the question or prompt
	% Utts with Overlapping Speech	Number of utterances containing overlapping speech
	% Utts Interrupted Other Speaker	Number of times target speaker interrupted another speaker

VERBAL FACILITY	
Words/Minute	Ratio of all words produced to the elapsed time ( <i>excludes part words</i> )
Pause Time as % of Total Time	Percent of elapsed time that consists of pause time
Maze Words as % of Total Words	Percent of total words that are in mazes
% Abandoned Utterances	Percent of total utterances that were abandoned
% Utterances with Fluency Codes	Percent of total utterances which contain one or more fluency codes
% Utterances with Code-Switch Codes	Percent of total utterances which contain one or more code-switch codes
ERRORS	
% Utterances with Errors	Percent of utterances which contain omissions or error codes (excludes mazes)
% Word Errors	Percent total words in the main body coded for error or omission (includes omitted bound morphemes and clitics)

# Measures based on the C&I Verbal Utts (*current analysis set*)

## Follow-up reports based on results of the *Standard Measures Report*

When one or more measures on the *Standard Measures Report* indicates the need for more detailed information, use the Analyze and Database menus to support your findings. Below are suggestions for where to look further.

Language Measure	Additional Reports/Comments
<ul style="list-style-type: none"> <li>Current Age</li> </ul>	
TRANSCRIPT LENGTH	
# <ul style="list-style-type: none"> <li>Total Utterances</li> <li>C&amp;I Verbal Utts</li> <li>All Words Including Mazes</li> <li>Elapsed Time</li> </ul>	<ul style="list-style-type: none"> <li>Read through transcript</li> <li>Analyze menu: Summary of Utterance Types</li> <li>Analyze quality of narratives by applying NSS/ESS/PSS/ONQ coding (see MACRO ANALYSIS section)</li> </ul>
INTELLIGIBILITY	
<ul style="list-style-type: none"> <li>% Intelligible Utterances</li> <li>% Intelligible Words</li> </ul>	<ul style="list-style-type: none"> <li>Listen to the audio to determine if unintelligibility is due to target's speech production or influenced by equipment and/or environment</li> <li>Analyze menu: Standard Utterance Lists (<i>select unintelligible &amp; partly intelligible</i>)</li> <li>Database menu: Transcript Length &amp; Intelligibility</li> </ul>
MACRO ANALYSIS	
<ul style="list-style-type: none"> <li>NSS Composite Score</li> <li>ESS Composite Score</li> <li>PSS Composite Score</li> <li>ONQ Composite Score</li> <li>CQ &amp; ONC Composite Scores</li> </ul>	<ul style="list-style-type: none"> <li>Analyze/Database menus: Narrative Scoring Scheme</li> <li>Analyze/Database menus: Expository Scoring Scheme</li> <li>Analyze/Database menus: Persuasion Scoring Scheme</li> <li>Analyze/Database menus: Oral Narrative Quality</li> <li>Analyze menu: Comprehension Questions</li> </ul>
SYNTAX/MORPHOLOGY	
# <ul style="list-style-type: none"> <li>MLU in Words</li> </ul>	<ul style="list-style-type: none"> <li>Analyze/Database menus: Syntax/Morphology Summary</li> </ul>
# <ul style="list-style-type: none"> <li>MLU in Morphemes</li> </ul>	<ul style="list-style-type: none"> <li>Analyze/Database menus: Utterance Distribution Tables</li> </ul>
# <ul style="list-style-type: none"> <li>% Utterances with Verbs</li> </ul>	<ul style="list-style-type: none"> <li>Analyze menu: Bound Morpheme Tables (<i>expand if desired</i>)</li> </ul>
# <ul style="list-style-type: none"> <li>Mean Verbs per Utterance</li> </ul>	<ul style="list-style-type: none"> <li>Apply Subordination Index (SI) coding</li> </ul>
# <ul style="list-style-type: none"> <li>% Utts with Nonmainstream Forms</li> </ul>	<ul style="list-style-type: none"> <li>Analyze/Database menus: Syntax/Morphology Summary</li> <li>Analyze menu: Nonmainstream-form Codes</li> <li>Analyze menu: Standard Utterance Lists (<i>select utterances with Nonmainstream-form codes</i>)</li> <li>Analyze Menu: Code Summary, Word Code Tables, or Utterance Code Tables</li> </ul>

#	<ul style="list-style-type: none"> <li>SI Composite Score</li> </ul>	<ul style="list-style-type: none"> <li>Analyze/Database menus: Subordination Index</li> </ul>
<b>SEMANTICS</b>		
#	<ul style="list-style-type: none"> <li>Number Total Words (NTW)</li> <li>Number Different Words (NDW)</li> <li>Moving-Average NTW</li> <li>Moving-Average NDW</li> <li>Moving-Average TTR</li> </ul>	<ul style="list-style-type: none"> <li>Analyze/Database menus: Semantics Summary</li> <li>Analyze menu: Word Root Tables <i>(expand if desired)</i></li> <li>Analyze menu: Standard Word Lists <i>(specify which to view)</i></li> <li>Analyze/Database menus: Grammatical Categories <i>(English only)</i></li> <li>Analyze menu: Grammatical Category Lists <i>(English only)</i></li> </ul>
<b>DISCOURSE (not included for narrative, expository, or persuasion samples)</b>		
	<ul style="list-style-type: none"> <li>Mean Turn Length (utterances)</li> <li>Mean Turn Length (words)</li> <li>% Responses to Questions</li> <li>% Responses to Intonation Prompts</li> <li>% Utts with Overlapping Speech</li> <li>% Utts Interrupted Other Speaker</li> </ul>	<ul style="list-style-type: none"> <li>Analyze/Database menus: Discourse Summary</li> <li>Analyze/Database menus: Turn Length Distribution Tables</li> <li>Analyze menu: Standard Utterance Lists <i>(select 2<sup>nd</sup> speaker questions and/or intonation prompts and look at following entries; select utterances with overlapping speech; select 2<sup>nd</sup> speaker interrupted utterances and look at following entries)</i></li> </ul>
<b>VERBAL FACILITY</b>		
#	<ul style="list-style-type: none"> <li>Words/Minute</li> <li>Pause Time as % of Total Time</li> <li>Maze Words as % of Total Words</li> <li>% Abandoned Utterances</li> <li>% Utterances with Fluency Codes</li> <li>% Utterances with Code-Switch Codes</li> </ul>	<ul style="list-style-type: none"> <li>Analyze/Database menus: Verbal Facility Summary</li> <li>Analyze/Database menus: Maze Distribution Tables</li> <li>Analyze menu: Standard Utterance Lists <i>(select utterances with pauses, utterances with mazes, abandoned utterances, fluency codes and/or code-switch codes)</i></li> <li>Analyze menu: Fluency Codes and Behaviors <i>(if sample was coded for fluency)</i></li> <li>Analyze menu: Code-switch codes</li> <li>Analyze menu: Code Summary and/or Word Code Tables</li> </ul>
<b>ERRORS</b>		
	<ul style="list-style-type: none"> <li>% Utterances with Errors</li> <li>Number of Omissions</li> <li>Number of Error Codes</li> </ul>	<ul style="list-style-type: none"> <li>Analyze/Database menus: Errors Summary</li> <li>Analyze menu: Omissions and Error Codes <i>(look for patterns)</i></li> <li>Analyze menu: Code Summary</li> <li>Analyze menu: Word Code Tables</li> <li>Analyze menu: Utterance Code Tables</li> <li>Analyze menu: Standard Utterance Lists <i>(select utterances with omissions, error codes)</i></li> </ul>