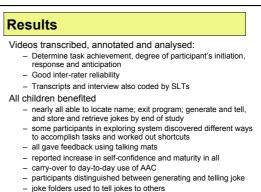
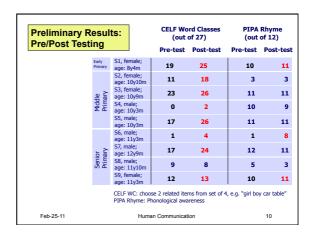
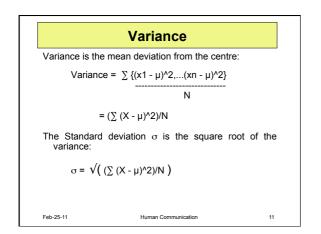


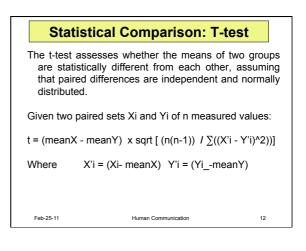
Group	Task	Description
A	A1	Find name (log onto the system)
	A 2	End program (log off from the system)
	B1	Generate any joke from new jokes
В	B2	Speak a joke using speech synthesis
	B3	Save a joke to favourites
	B 4	Choose a joke from favourites
	C1	Generate a joke on specified topic (e.g. about
		an animal)
С	C2	Generate a joke on a specified sub topic (e.g.
		about a wild animal)
	C3	Choose a joke from old joke collection not
		saved to favourites.
	C4	Generate a joke of a particular Joke Class
	C 5	Generate a joke by keyword, from topics
D	D1	Generate a joke by keyword, using alphabet
	D 2	Generate a joke by keyword, typing in word
E	E1	Generate a joke appropriate to a current
		conversation topic.



- jokes liked even when poor
- Feb-25-11 Human Communication
- Task Difficulty: progress Description Find name (log onto the system) End program (log off from the system) Generate any joke from new jokes Speak a joke using speech synthesis Save a joke to favourites Chocea a icke from favourites Train Inter Eval A1 A2 B1 B2 B3 B4 C1 P1,3,7,8, Save a joke to favourites Choose a joke from favourite s Generate a joke on specified topic (e.g. about an animal) Generate a joke on a specified sub topic (e.g. about a wild animal) Choose a joke from old joke collection not saved to favourites P2,4,6 7,8 P8 C2 СЗ P1,2, P2,7 saved to favourites. Generate a joke of a particular Joke Class C4 C 5 Generate a joke by keyword, from topics D1 D2 Generate a joke by keyword, using Generate a joins -, alphabet Generate a joke by keyword, typing in P4 word Generate a joke appropriate to a current conversation topic. E1 P1,3 Human Communication Feb.25.11 q

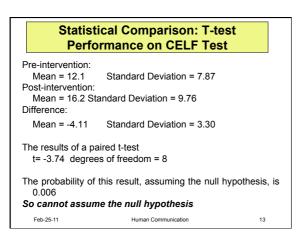


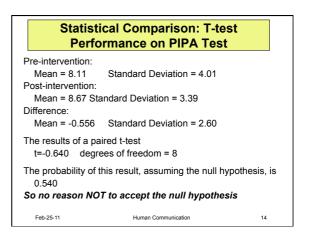


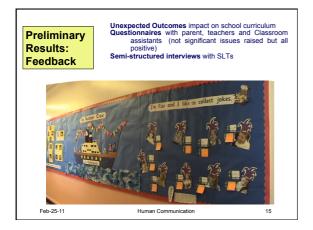


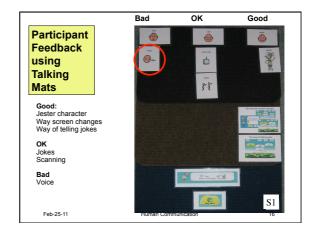
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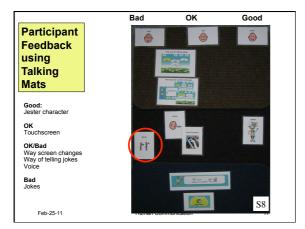
# Inf1 Data and Analysis

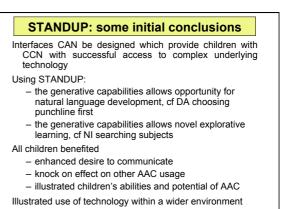








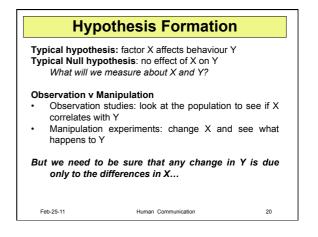


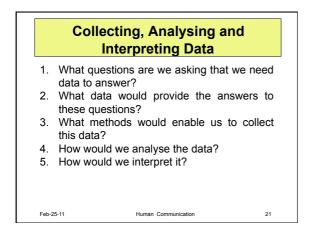


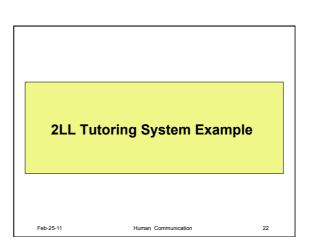
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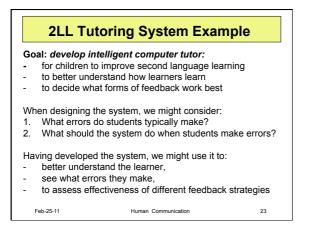
# Inf1 Data and Analysis

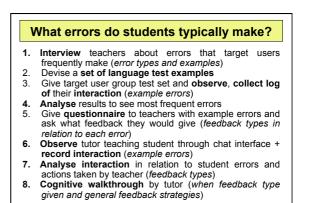
STANDUF	: some initial conclus	sions
Issues with interfa – scanning – voice output – improved appr	ace design opriateness of vocabulary	
STANDUP: – on interactive of	joke is important - what is the conversation ehension and vocabulary acquisition	e impact of
Do we want bette	r jokes? (yes)	
Use with speakin other user grou	g children with language impa ps	irment and
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# Inf1 Data and Analysis

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## What should the system do when students make errors?

Using these methods you find that human tutors usually use one of the following feedback options:

- 1. give feedback immediately
- just flag to the student that they have made an error
   let the student realise they have made a mistake and ask
- for help
- You want to see which works best ...

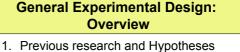
### Do some experiments with the tutoring system, with some students .....

[Based loosely on a experimental study described in Corbett,

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A.T. and Anderson, J.R., 1990]

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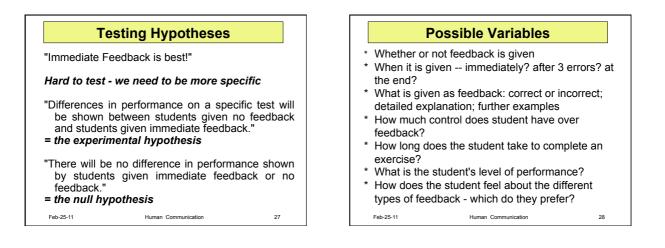
Human Communication

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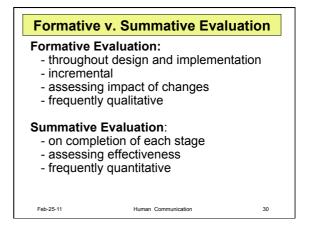
- 2. Experimental Design 3. Method Participants
  - Materials Procedure

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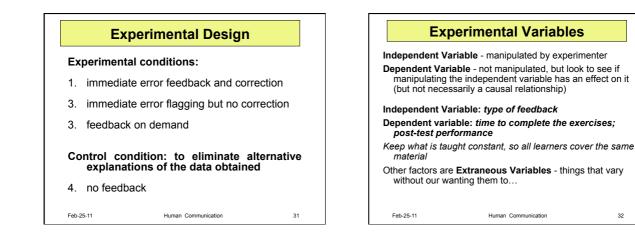
- 4. Results and Analysis
- 5. Discussion and Conclusions

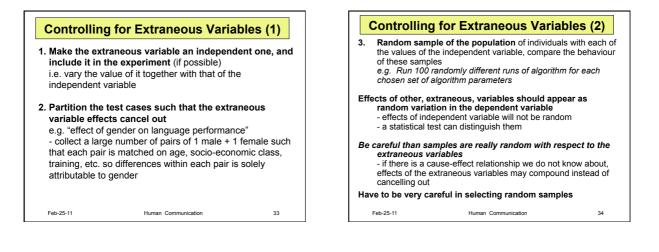


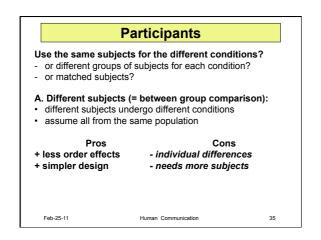
Qualitative v. Quantitative Data				
Qualitative         • Descriptive data         • Based on system behaviour or user experience         • Obtained from observation, questionnaires, interviews, protocol analysis, cognitive and post task walkthrough         • Subjective				
user experience	sures of variables relevant to p e empirical studies, e.g. experin interviews	nents, also		
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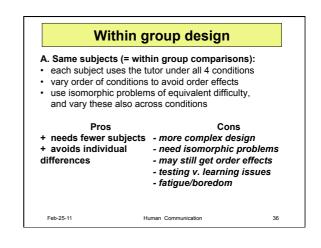


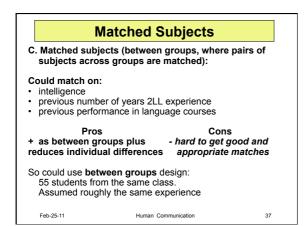
32

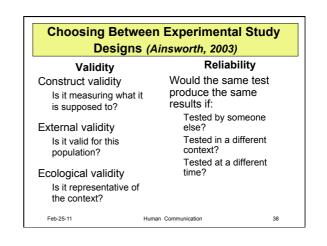












# Results: Test Scores and Completion Time Say we measured mean post-test scores (% correct) and mean exercise completion times (minutes) for the 4 versions of the tutor. We could then compare the sets of scores across conditions to see if the differences are statistically significant... Immediate Error flagging Post-test 55% 75% 75%

	leeuback	nayging	leeuback	
Post-test Scores	55%	75%	75%	70%
Exercise Times	4.6	3.9	4.5	4.5
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	Disc	cussion and Conclusions				
<ul> <li>We might find in this case that the effect of tutor type, as measured by post-test scores and mean exercise completion times, is not statistically significant.</li> <li>So there would be no evidence in this case that feedback manipulation affected learning [though other research may show that there is].</li> </ul>						
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# Writing-up empirical studies 1

- Abstract: Short summary of the problem, results and conclusion.
- Introduction: What is the problem? What related work have other people done?
- [Go from general statement of problem to a succinct and testable statement of hypothesis].
- Method:
- Participants: state number, background and any other relevant details of participants
- *Materials:* exactly what test materials, teaching materials, etc. were used, giving examples
- **Procedure:** clear and detailed description of what happened at each stage in the experiment
- [Someone reading should be able to duplicate it. Should clearly indicate what data was collected and how.]
- Writing-up empirical studies 2 Results: Give actual data, or a summary of it. Provide an analysis of data, using statistical tests where/if appropriate. Use tables and graphs to display data clearly [Interpretation of results does not go here, but in discussion section]. Discussion: - Interpretation of results; restating of hypothesis and implications of results; discussion of methodological problems e.g. weaknesses in design, unanticipated difficulties, confounding variables - Wider implications of the work considered here, and perhaps further studies suggested. Conclusion: Statement of overall conclusion of the study. Feb-25-11 42 Human Communication

