

Demonstration: Multimodal Transcription of Video

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Overview

- Positioning Transcription in Multimodal Research
- Demonstration: Transcribing Video of Child-Initiated Play at a Computer
- Further Examples of Multimodal Transcription
- Concluding Comments/Questions

Positioning Transcription

'Transcripts are not transparent, but retain the transcriber's interpretive, analytical and theoretical "fingerprints" (Tilley 2003, p. 752).

Transcription as:

- Partial (Mavers 2012)
- - Shaped by Theory (Ochs 1979)
 - Politics (Bucholtz 2000)
 - Professional vision (Goodwin 1994)
- A process of 'translation' (ten Have 2007), 'transformation' (Duranti 2006) or 'transduction' (Bezemer and Mavers 2011)
 - An **analytical** and **rhetorical** device

Too many 'playscript' transcriptions of speech have been prepared which display no information about the nonverbal behavior of speakers and listeners, and no information about various artifacts around which interaction and attention are oriented. In other words, the 'multimodal' nature of meaning making in interaction has gone unrecognized and consequently under theorized in much of the video research done in classrooms.

(Erickson 2011: 184).

❖ Linked to MODE – Multimodal Methods for Researching Digital Data and Environments, funded by the National Centre for Research Methods (NCRM), part of the Economic and Social Research Council (ESRC).

❖ Methodological focus: Multimodal transcription of video

❖ Substantive focus: The multimodal organisation of

child-initiated play

How might multimodal transcription of video offer insights into child-initiated play in the Early Years?

❖ Case study using video recordings of child-initiated play from a Nursery classroom teacher-researcher observation (eg. play with new technologies, running games, role play, construction play) – transcribed multimodally to consider children's negotiation of play frames.

Example Video Log

Clip Name	File Location	Duration (min:sec)	Activity Type	Participants	Location	Summary/Notes
/ID00015.AVI	Flip 16.07.12	03.46	Block play/ small world play	Lara, Freddie	Inside, carpet area	L plays with toy animals and large block construction. F joins in, initiating game about "stinging" with insects. Some use of voice/gesture/object/smile in coordinating the play.
/ID00016.AVI	Flip 16.07.12	00.51	Block play/Camera play	Freddie	Inside, carpet area	F holds up three blocks, instructs me to "take the picture", then we discuss video. He asks for a look, and we watch it back.
/ID00017.AVI	Flip 16.07.12	00.07	Block play	Tom, Ben	Inside, carpet area	T walks from B's construction (on shelf) to his own construction on table-top.
/ID00018.AVI	Flip 16.07.12	01.23	Block play/small world play	Tom, (Ben, Archie, Freddie)	Inside, carpet area	T animates toy insect, creates sound effects and moves parts of his construction. Camera also pans to A's tall construction on top of the shelf of blocks. B and F can be heard discussing construction in the background.
/ID00019.AVI	Flip 16.07.12	08.25	Block play/small world play	Freddie, Archie, (Ben)	Inside, carpet area	Both boys balance foam blocks on tabletop, some fall, so some discussion/exploration of how to balance. Most play is around "babies" (insects), doors and homes. At one point, F suggest the blocks make a "rocket". Both then build tall rocket, with insects inside. Explore the effect of pushing one brick to open another. Ends with A giving one big push and structure



Video Removed

Ellie: I need my wine bottle for my... I... it is so lovely. So lovely. It's so lovely. I need it for my... but... I need that for my sister () birthday. Don't throw that away.

Ellie: I need my [wine bottle for my-

Toby:]hhh

Ellie: (0.5) I- it is <u>so</u> lovely. (1.4)

so lovely?

Toby: huhuhuh •hhh

Ellie: $(5.0) \uparrow > its so lovely <$

Toby: eeyheehuhuh

Ellie: I-I need it for my- but-

Toby: huhuh[uhuhuh •hhh huhuhuhuhuh

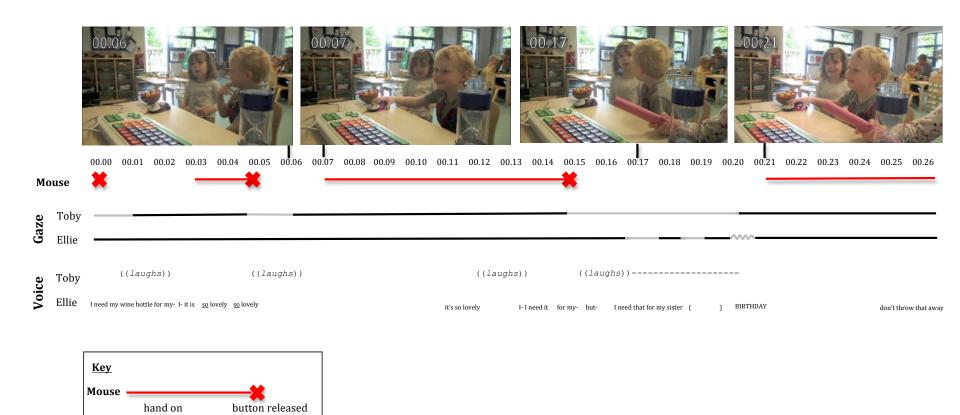
Ellie:] I need that for my sister (

BIRTHDAY

Toby: •hhh hh

Ellie: (4.0) don throw tha away

<u>Time</u> (seconds)	<u>Ellie</u>	<u>Toby</u>	Sound FX	<u>Mouse</u>	Toby gaze	Ellie gaze
00.00 00.01 00.02	I need my wine bottle for my- I- it is	((laughs))	crash	release	at Ellie at screen	at screen
00.03	<u>so</u> lovely			hand on		
00.04	<u>so</u> lovely					
00.05		((laughs))	crash	release	at Ellie	
00.06					at screen	
00.07				hand on		
80.00						
00.09						
00.10	112 1 1					
00.11	it's so lovely	((lavaba))				
00.12 00.13	I need it	((laughs))				
00.13						
00.14	for my- but-	((laughs))	crash	release	at Ellie	
00.16	I need that	((laagiis))	Crasn	Telease	at Line	
00.17	for my sister	- 1				at Toby
00.18	(?)	- 1				at screen
00.19	(.)	- 1				at Toby
00.20	BIRTHDAY	- 1			at screen	at me
00.21				hand on		at screen
00.22						
00.23						
00.24						
00.25	don't throw that aw	ay				



Cowan, K. (2014). Multimodal transcription of video: examining interaction in Early Years classrooms. *Classroom Discourse* 5 (1), 6-21.

Gaze

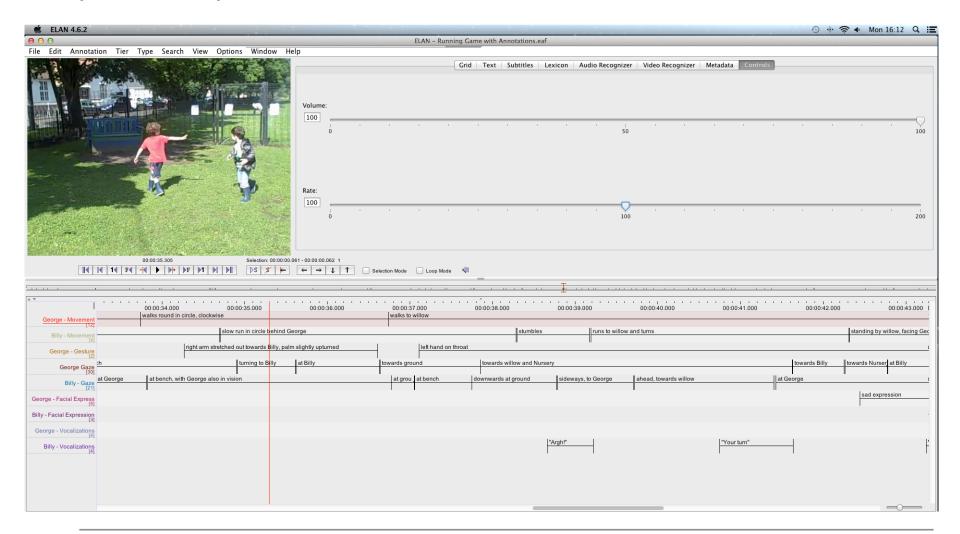
at screen

at child

at camera

ELAN

http://tla.mpi.nl/tools/tla-tools/elan/



MODE multimodal methodologies

FOR RESEARCHING DIGITAL DATA AND ENVIRONMENTS



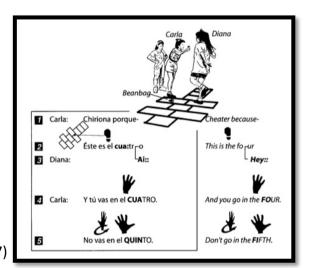
http://www.surrey.ac.uk/sociology/research/researchcentres/caqdas/

Silver, C. and J. Patashnick (2011) Finding Fidelity: Advancing Audiovisual Analysis Using Software. *Forum: Qualitative Social Research*. Vol. 12 No.1 . Art. 37. Available at http://www.qualitative-research.net/index.php/fqs/article/view/1629/3157 (accessed 27th January 2014).

Despite some very useful tools for handling and analysing data independently and concurrently, CAQDAS packages are lacking in three key respects:

- 1. analysing audiovisual data using non code-based approaches;
- 2. facilitating the representation of data in non-linear formats; and
- 3. creating new records on the basis of analytic work

(Paragraph 83)



Goodwin (2000, 1497)

		modal Transcription ment (T= time in s		
Visual Frame	Visual Transitivity	Camera Position and Movement	Soundtrack	S, P, 7
	Pa: Agent: car; Pa: Movement Vector: L-R; Pa: Goal: telephone booth	Pa: Agent: car; Pr: Movement Vector: L-R; Pa: Goal: telephone booth	music orchestra Tempo: slow Volume: low	Phase 1
N	Pa: gloved hand; Pr. movement vector: L-R; Pa: Goal: telephone receiver	CD: very close; HA: frontal; VA: MH; CM: stationary		Cut Shot 2
	Pa: Sayer: woman;	CD: close;	voice: female: I'm	
	Pri Verbal;	HA: frontal; VA: medium; CM: stationary	got the money;	Cut Shot 3
1	Pic Sayen man; Pic Verbal;	CD: very close; HA: frontal; VA: medium; CM: stationary	voice: man: Irring it tensersar	Cut Shor 4
	Pa: Gazer: man; Pr: Gaze Vector; Pa: Tänget: hostage	CD: very close; then dissant; HA: oblique; VA: medium; CM: left pan: track gase vector		Pan to left Shot 5
1	Pa: Actor: woman; Pr: Movement Vector: walk; Pa: Goal: car: stationary		sound: ambient: door of telephone booth closing: loud; resonant	Cut Phase 2 Shot 6
	Pa: Goal: car; Pr: Movement Vector: walk: Pa: Actor: woman: implied	CD: very close; HA: frontal; VA: medium; CM: left pan		Cur Shor 7
	Pr. Actor: woman; Pr. Connection Vector: grasp: steering wheel; Pr. Result: car drive	CD: very close; HA: frontal; VA: medium; CM: stationary: tracks move- ment of car along road	72. T	Left pan + merging Shot 8
	Ar infere +: Pur Somern woman;	CD: very close: HA: fromal;	mutic orchestra	
	Pr. Mental;	VA: medium; CM: stationary: tracks move- ment of car along road	as before Tempo: fase Volumer louder	

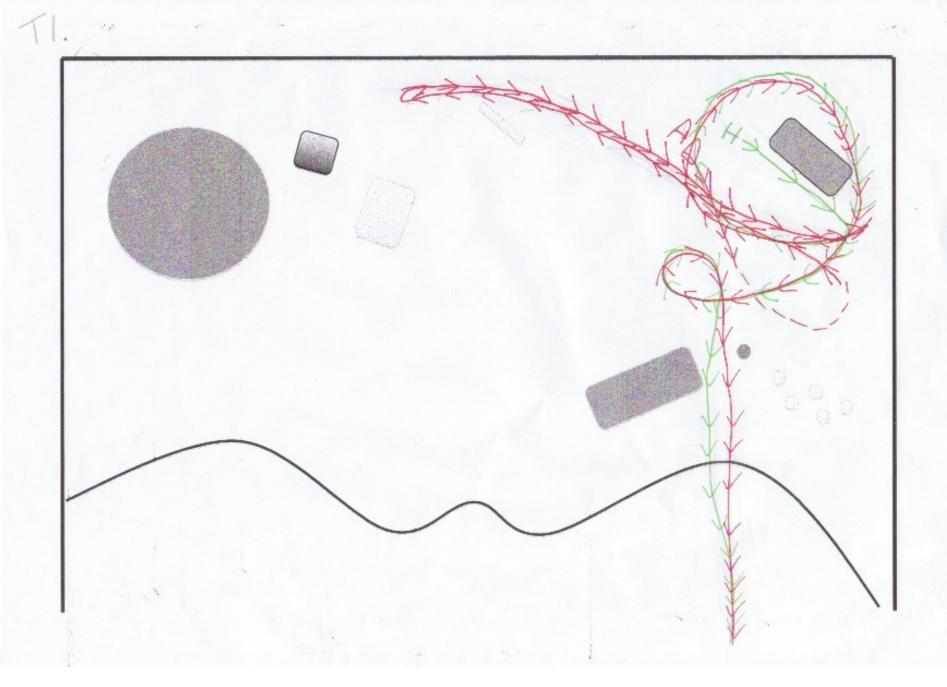
Baldry & Thibault (2005, I)

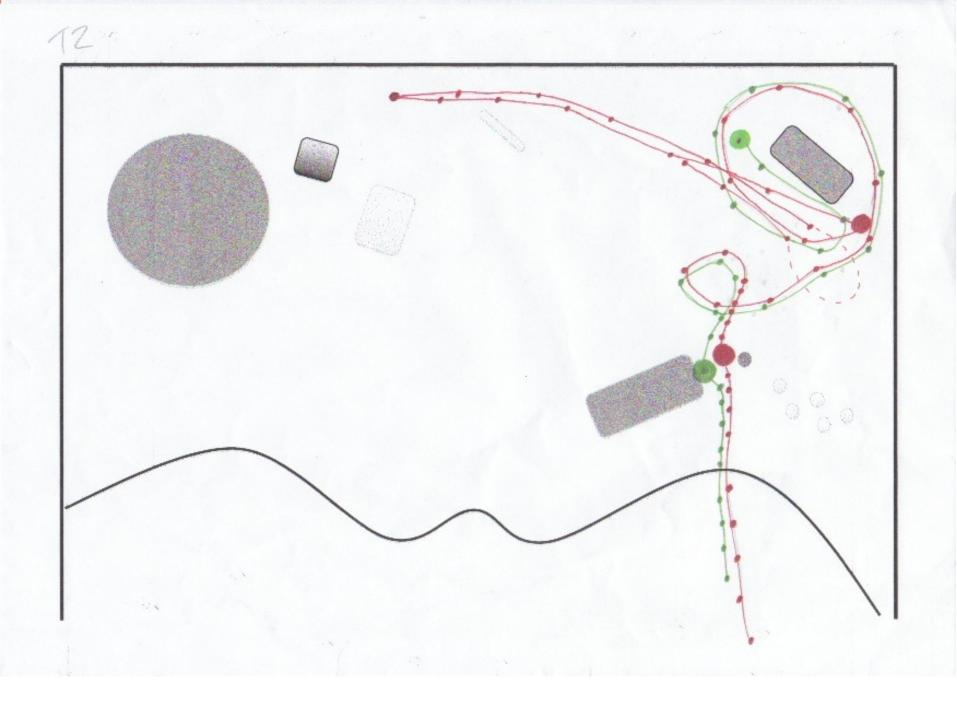


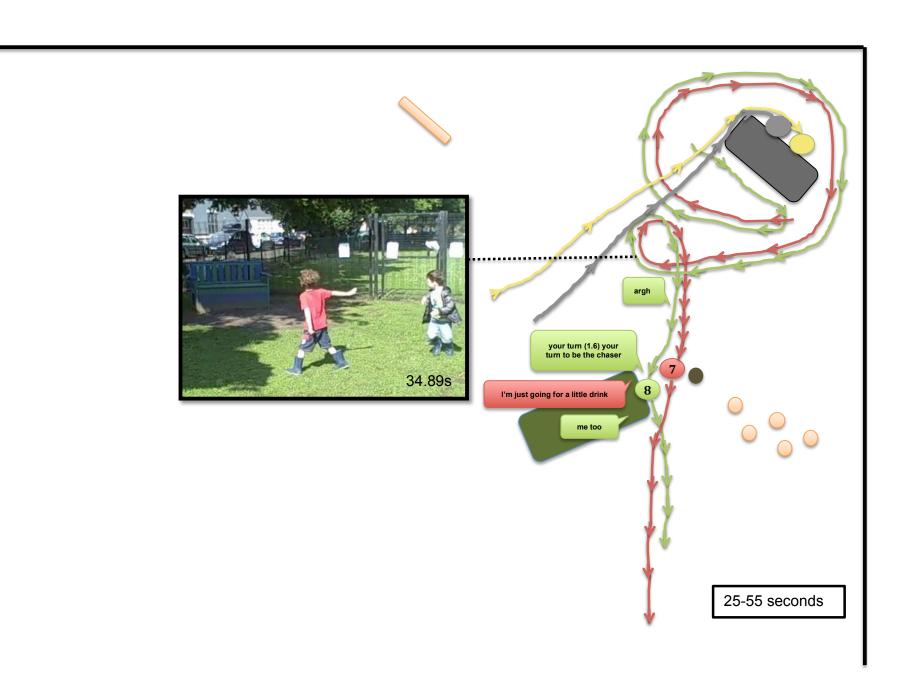
Norris (2002, 113)

	Participants & time	Orientation	Speech/vocalization	Gaze	Body movement	Touch
1	J 12:25	Towards circle of children	Right (.) Mr Wolf and the three bears	From children to book		Holding closed book
2	J		and it's written by	Glance to circle of children, then back to book	Points to name on book cover	
3	J 12:30		(Jan	To child speaking		
4	Child	Towards centre of circle	[I'm hungry (?)	То Ј	Holds stomach	Child
5	J 12:35		Are you hungry? I think we all are	To child		
6	J	Towards circle of children	Jan Fearnley	Around the circle of children, back to book	Pointing to author's name on cover	
7	J	Twists towards M	Mandy	То М	Inclines head to M while pointing at name on cover	
8	М	Towards circle of children		To toy she is holding	Mouthing toy and turning it with hands	
9	J 12:40	Towards M		То М	Reaches to M with left hand until touches M's arm, then moves hand back to book	Gently touches M's arm
10	М	Towards circle of children		To J's hand on her arm, follows J's hand as it moves to book, so gaze rests on book		

Flewitt et al. (2009, 226)







Flexibility, diversity and variation in multimodal transcription

"No longer necessarily 'scripts', nor exclusively 'visuals' ... 'transcripts' (or 'transvisuals') are diverse and flexible. There is multiplicity in the practices not only between researchers, but also in the work of individual researchers themselves as they make transcripts for different audiences and analytical purposes."

(Bezemer and Mavers 2011, 192)

This calls for researchers to:

- Acknowledge the partiality of all transcripts
- Experiment with multimodal transcription design choices
- Consider the affordance of modes of transcription
- Make decisions about multimodal transcription design principled and explicit
- Reflect critically on these decisions and their analytical and rhetorical effects

For further examples of multimodal transcription, plus researcher commentaries:

MODE Transcription Bank

http://mode.ioe.ac.uk/category/ transcription-bank

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