Data Collection via Video:
An Introduction to Software for Coding Research Videos

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Overview

- Advantages

- Data Collection

- Software Demonstrations

Paper Coding Form

Observer: _____ Interventionist: _____ Date of Instruction: _____ Date of Observation: _____

Observation of Small Group Reading Instruction

Observation start time: _____ Observation end time: _____ Instruction start time: _____ Instruction end time: _____

Number of children present: _____

Number of children in view: _____

Teacher is in close proximity to students: Yes No   Teacher gained attention immediately prior to beginning instruction: Yes No

	1	2	3	4
Description of Instruction				
Activity Description				
Skill Focus	PA P V F C U/O	PA P V F C U/O	PA P V F C U/O	PA P V F C U/O
Type of Instruction	Init R	Init R	Init R	Init R
Social Behaviors				
Student Engagement	E NE	E NE	E NE	E NE
Intervenes with off-task student behavior Mark (/) for off-task and cross (X) if T intervenes				
Response to student social behavior Mark (I) for each occurrence	A I	A I	A I	A I

Academic Behaviors																								
Opportunities to Respond & Teacher Feedback	Oral		Written		Physical		Oral		Written		Physical		Oral		Written		Physical		Oral		Written		Physical	
Mark +, -, or 0 for every opportunity to respond	G	Ind	G	Ind	G	Ind	G	Ind	G	Ind	G	Ind	G	Ind	G	Ind	G	Ind	G	Ind	G	Ind	G	Ind
Full Correction/Affirmation = O the response Partial Correction/Affirmation = _ the response No Correction/Affirmation = nothing																								
Models/Demonstrates New Skill/Task Mark (M, P, or N) for each occurrence																								
Comments																								

Advantages

- No confusing paper forms

- Confidence in reliability

- Economical

  – Fewer site visits

  – Flexible coding deadlines

Advantages

- Multiple vantage points

- Scheme development as an iterative process, responsive to design changes and exploratory work

- Preservation of data

Advantages

- Complex Schemes Feasible (Reliable)

  – Multiple Individuals/Events Simultaneously

  – Interactions & Antecedents (not just behaviors)

  – Hierarchical Coding

    • Codes, Subcodes, Qualifiers

Planning Data Collection

- Logistical Concerns
  - Individuals, interactions, or events?
  - How many vantage points?

- Ethical Considerations
  - Increased risk levels
  - Identifying information inherent

Transana

- Inexpensive, User-Friendly

- Simple, Limited Scope

- Qualitative, Limited Quantitative Applications

- Software Demonstration

- Demo version from http://www.transana.org/

Transana: Error Script

As the waves rolled onto the shore, a group of teens ran into the surf with funny round boards under their arms. Allie looked up from reading her book and watched them. When they reached the wet sand, they tossed their boards toward the incoming waves. Then, they quickly jumped onto them. Some of them fell flat into the water. Others were able to glide out into the surf or over the shallow water. One boy was even able to flip his board around and change direction, like a skateboarder. It looked like great fun and good exercise. Allie's friend Morgan told her the group was skimboarding.

The Observer

- Sophisticated, Versatile

  – Physiological Responses, Eye Tracking

- Complex, Expensive

- Software Demonstration

- 30 day loans from http://www.noldus.com/

Thank You!!!