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# System of teachers behavior - Methodology of application

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## Introduction

The System of Teachers Behaviour is an instrument that allows us to characterize the Teachers intervention in class.

In a process of teachers training (based on the simulated teaching with *autoscopy*: self-observation through a video), we think there is no need to apply this system to the entire duration of the class, because it represents a great effort to students.

We also think there are no loses of information when observing just 50 percent of the session time

The aim of this study is to evaluate if the application of the system in 50 percent of session time is enough to allow us to characterize the teachers' behaviour.

## Methods

The data was collected by students of the 4th grade in Physical Education and Sport, with an instrument built for this effect (Moreira, L.; Ferreira, V.; Sequeira, P. & Sarmiento, P. (2001), *Observação da Sessão de Educação Física*: Poster presented in AIESEP International Congress 2001).

All the students involved in this process received training in observation. The data was collected in a simulated session of Physical Education classes (conducted by student's teachers).

The students in autoscopy process collected data from the all class time. We used the data collected by students and made another data sheet (we reduced the data to 50 percent of time) in order to compare the results.

Universidade Técnica de Lisboa  
Faculdade de Motricidade Humana  
**Pedagogia do Desporto**

Sistema de Observação do Comportamento do Professor

Observador: 0 Nº 0

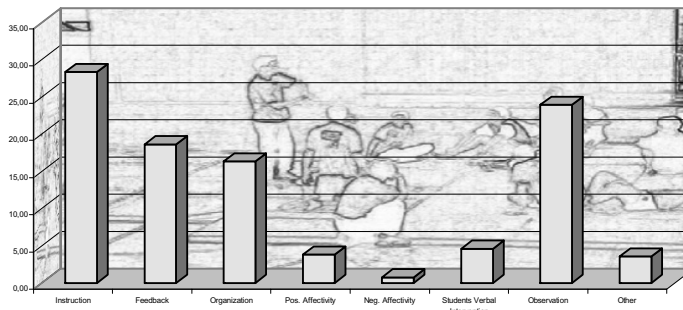
Aula: 0 Data: 0-1-00

Minutos	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60
27'-28'												
28'-29'												
29'-30'												
30'-31'												
31'-32'												
32'-33'												
33'-34'												
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35'-36'												
36'-37'												
37'-38'												
38'-39'												
39'-40'												

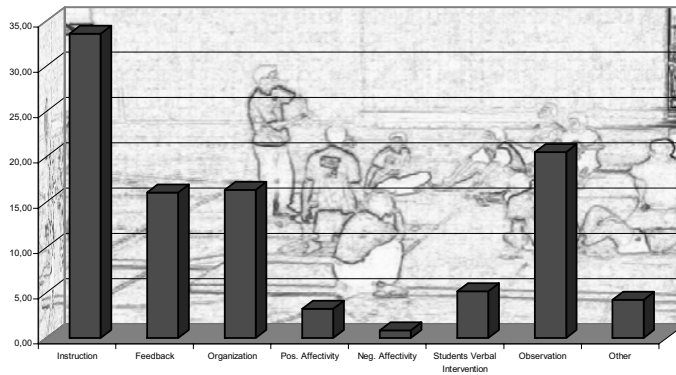
	Abs.	Gráfico	Ajuda	Rel.
Instrução (I)	0	Imprimir	Menu	#### Instrução (I)
Feedback (F)	0			#### Feedback (F)
Organização (O)	0			#### Organização (O)
Af. Positiva (AFP)	0			#### Af. Positiva (AFP)
Af. Negativa (AFN)	0			#### Af. Negativa (AFN)
Int. Verbais Al. (IVA)	0			#### Int. Verbais Al. (IVA)
Observação (OB)	0			#### Observação (OB)
Outros (OU)	0			#### Outros (OU)
Total	0	#### Total		

### Results

The results of the data collect by the students and the data organized by us (50 percent of session time) can be seen in the following graphic.

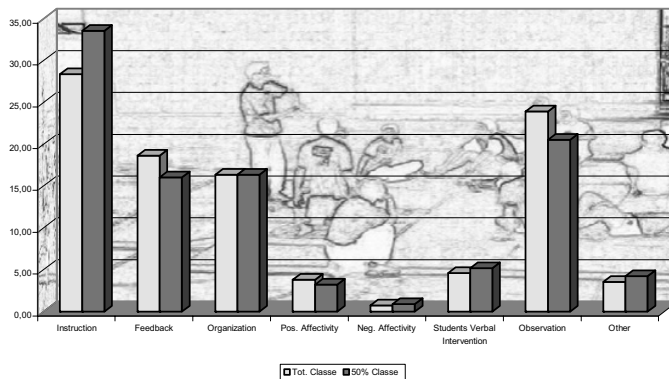


Data collect by the students



Data organized

Was we can see by the graphics there are some differences between the data collected by the students and the data organize by us.



We use anova to carry through the comparison of the results.

Instruction	0,06
Feedback	0,16
Organization	0,96
Pos. Affect.	0,62
Neg. Affect.	0,72
Stud. Verbal Inter.	0,62
Observation	0,10
Other	0,43

We verify that there are no significant differences in all the categories in study.

### Discussion / Conclusions

The aim of this study was to evaluate if the application of the system of Teacher Behaviour to 50% of class time was enough to analyze teacher behaviour.

After the comparisons between the different application methodologies (full time and 50% of time), we verify that there are some differences between the values found for the categories but when we carry through the statistical comparison, we verify that those differences are not significant.

We think we can affirm that the application of this system, in this context (simulated teaching in Sport Pedagogy Classes), can be carried through analysing 50 percent of time.

### References

- Moreira, L.; Ferreira, V.; Sequeira, P. & Sarmiento, P. (2003). Observação da Sessão de Educação Física. In Sena Lino, L.; Trindade Ornelas, R.; Carreiro da Costa, F. & Piéron, M. (Eds.) Innovation and New technologies in Physical Education, Sport, Research and/on Teacher and Coach Preparation. Actas (em formato CD-ROM, ISBN: 972-97794-5-7) do Congresso Internacional da AIESEP (AIESEP International Congress) – 2001, realizado no Funchal - Madeira – Portugal e organizado pela Universidade da Madeira e pela Faculdade de Motricidade Humana, de 21 a 25 de Novembro de 2001, 6pp
- Sarmiento, P ; Veiga, A.; Rosado, A.; Rodrigues, J.; Ferreira, V. (1998). Pedagogia do Desporto – Instrumentos de Observação da Educação Física e Desporto, 3ª edição, Lisboa: FMH edições.