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A COMPUTER AIDED SOFTWARE FOR TEACHING STATISTICS

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STATCNAM is a software product designed for the teaching of statistics at the first level of technical studies at CNAM: The Conservatoire National des Arts et Métiers is the largest institution in France for continuous education with 100 000 students and a network of 50 regional centres. Several thousands of students are registered each year for the credit "statistical techniques".

The software may be used either

- for distance learning
- for self education
- as a complement of traditional teaching

An intensive use of graphics and simulation is done, and the software includes an analysis of answers.

It is divided into 6 chapters:

1. exploratory data analysis
2. simple linear regression
3. discrete probabilities
4. random variables
5. sampling
6. statistical tests

Chapter 2 is available at publisher STUD-I, Chapters 3 and 4 are in development.

The production of the software is made in association with Université Montpellier II, Unité de Biométrie INRA ENSAM USTL of Montpellier, and the Centre Régional Languedoc Roussillon of the CNAM by a team of teachers and scientists.

A task force defines the educational goals to fulfill and validates the product during each phase of its realisation.

This communication will present the various features of the software which runs on PC compatible computers under DOS or WINDOWS.

The course is not limited to a traditional presentation, it includes many graphical representations. A graphing assistant is part of the software as well as an integrated pocket computer.