

- Faculté des sciences
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Nonparametric statistics (3ST2007)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en statistique	Cours: 2 ph	Voir ci-dessous	3

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

Période d'enseignement:

- Semestre Automne

Equipe enseignante

Dr. Pierre-Yves Deléamont,
Institute of statistics
Av. de Bellevaux 51
CH - 2000 Neuchâtel

Contenu

- Nonparametric location comparison tests such as the median test, sign test, Wilcoxon's signed-rank test and Wilcoxon's sum of rank test, Kruskal-Wallis and Friedman's test.
- Nonparametric goodness of fit tests (Kolmogorov-Smirnov...).
- If time permits, histogram and Kernel density estimation.

Forme de l'évaluation

CA graded : The final mark will be based on a 2 hour written test which takes place during the last week of the lecture.

Unless the professor and the student both agree on a different advance date, the re-examination will take place at the same time as the examination for the students of the following year. The re-examined students will pass the 2 hour written examination under the same conditions as the ones which apply to the students of the following year. This includes possible changes regarding the program of the lecture.

Documentation

Applied nonparametric statistical Methods (2007), Sprent P. and Smeeton N.C., Chapman & Hall.
Density estimation for statistics and data analysis, Silverman B.W., Chapman & Hall.

Forme de l'enseignement

- 3 ECTS credits
- Fall semester
- Elective course for master in statistics (choose 18/24 ECTS).