Center for Computer Based Learning--Statistics for the Professional 1985

Nova University
An online course in Statistics, using the VAX 11-780 and BSD 4.2 UNIX®. With special focus in either of four fields (business, engineering, the health professions, or education)

Statistics plays an important role at all levels of our society—in banking, insurance, investments, law research, and in engineering quality control. Each decision in these fields involves taking risks that can be controlled by using the proper statistical tools.

Pathed application: You can take this course in statistics as a credit course or not. This course may be taken for credit. Information on "for credit" registration is available by writing or calling Nova University, Center for Computer-Based Learning, Rm 308 Parker Building 3301 College Avenue Fort Lauderdale, FL 33314 305-475-7047

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Course Information:
Nova University Center for Computer-Based Learning Rm 308 Parker Building 3301 College Avenue Fort Lauderdale, FL 33314 305-475-7047

Registration and Credit: Non-Credit: The $395 fee covers instructional consultation and computer-assisted instruction. Students can purchase online time as needed in 10 hour packets at $10.00 per hour. This hourly charge includes access through Tymnet when dialed through your local Tymnet number. Any toll charges that are needed for a student to gain access to Tymnet must be paid by the student to his or her local telephone company.
Access to Novas mainframe computer through Tymnet is from 6 PM to 7 AM Mon.-Thur. and from 6 PM Fri.-7 AM Monday. This is local time for the point of origin of the call.

Features of the course:
- You start when you want.
- Dial a local Tymnet number to connect to NOVA's computer, a VAX 11-780, using the UNIX operating system.
- Access an online tutorial on the statistical system S. S is the statistical package developed by Bell Laboratories for UNIX. It has extensive capabilities for collecting, analyzing and plotting data. The lessons on S combine tutorials with a set of instructions that take you through the S system in a clear and concise way.

Topics:
The tutorial covers the following topics:
- collecting and analyzing data
- using graphics and plots
- performing basic statistics (mean, variance)
- analyzing data samples and performing basic tests
- performing multivariate statistics (regression, analysis of variance, cross classification, factor analysis, discriminant analysis)

Objectives:
- Participants who complete the course will have the following capabilities:
  - Competency in collecting and analyzing data using S.
  - Competency in collecting samples and performing tests.
  - Competency in basic statistics.
  - Competency in multivariate statistics.


Emphasizing practical experience:
You will get "hands-on" experience by analyzing an online archive of datasets and also get to treat your own data. Each lesson will guide you, advising you which analysis to perform, helping you to interpret the results you will see on your screen.

Instructor:
The course is taught online by national consultant Jacques Levin, Ph.D., Nova University Center for Computer-Based Learning.

Format:
- Computer-assisted instruction online
- Computer conferences and online discussions
- Electronic mail

In order to access the course, you will need a computer with a VAX or UNIX operating system. You can start the course at any time and proceed at your own pace.

To improve your skills:
- You have only to access the online course. A computer-assisted set of online lessons will help get you through the course in a planned and user-friendly fashion. You will also have access to computer conferences and online discussions with experienced professionals in the field of statistics who are trained to work closely with students online.

*UNIX is a Trademark of Bell Laboratories

"taken from your own home ... to improve your skills ... emphasizing practical experience"
Nova University is chartered by the State of Florida and is accredited by The Commission on Colleges, Southern Association of Colleges and Schools.

Nova University is located in Fort Lauderdale, Florida. It is a nonprofit institution that is not tax-supported. Nova is a university for all ages; it offers courses of study leading to bachelor's, master's, and doctoral degrees as well as preschool through high school programs at its University School. Unusual among educational institutions, Nova University offers programs not only on its main campus in Fort Lauderdale, but throughout the State of Florida, across the United States, and in several foreign countries. In addition to its educational programs, the University provides community services and conducts research in a variety of fields.

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