Applied Statistics I

(IMT224β/AMT224β)

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Chapter 9

Statistical Software Packages

Why do we need statistical software?

Statistical analysis computer applications have the advantage of being accurate, reliable, and generally faster than computing statistics and drawing graphs by hand.

Comparison of commonly used statistical packages

Product	Latest version	Cost($)	Open source	Interface
Minitab	16	$895 - 1395$[1]	No	CLI/GUI
SPSS	20	4975	No	CLI/GUI
PSPP	0.7.9	Free	Yes	CLI/GUI
R	2.15.2	Free	Yes	CLI/GUI
SPlus	8.2	2399/year	No	CLI

Higher prices may apply to current purchases and the lower pricing is offered to academic purchasers.

1- Perpetual

Software cracking

- Software cracking is the process of bypassing the registration and payment options on a software product to remove copy protection safeguards or to turn a demo version of software into a fully functional version without paying for it.
- Software cracking is considered illegal and cracked software is often called pirated software.
- Cracked software generally has had the executable modified and can cause undesirable behaviour.

Minitab

- Minitab is a statistical analysis software.
- It can be used for learning about statistics as well as statistical research.
- Minitab is relatively easy to use once you know a few fundamentals.
- Minitab 16 is the current version, but the difference between 15 and 16 is minimal.

R programming language

- R is an open source programming language and software environment for statistical computing and graphics.
- R is freely available under the GNU General Public License, and pre-compiled binary versions are provided for various operating systems.
- R uses a command line interface; however, several graphical user interfaces are available for use with R.

THE END

Thank You!