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**R Programming
Language**

 **Department of Statistics**

**High Education: Master**

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**Assistant Professor**

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**References**

For R,

-The basic reference is The New S Language: A Programming Environment for Data Analysis and Graphics by Richard A. Becker, John M. Chambers and Allan R. Wilks (the “Blue Book”) .

-The new features of the 1991 release of S (S version 3) are covered in Statistical Models in S edited by John M. Chambers and Trevor J. Hastie (the “White Book”).

-Classical and modern statistical techniques have been implemented.

* + - Some of these are built into the base R environment.
		- Many are supplied as packages. There are about 8 packages supplied with R (called “standard” packages) and many more are available through the cran family of Internet sites (via http://cran.r-project.org).
* All the R functions have been documented in the form of help pages in an “output independent” form which can be used to create versions for HTML, LATEX, text etc.

-The document “An Introduction to R” provides a more user-friendly starting point.

-An “R Language Definition” manual

-More specialized manuals on data import/export and extending R.