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Title of the presentation

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January 28, 2020

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Outlines

Introduction

In the 1970s **S**, a language to program with data, is developed at Bell Laboratories by a team managed by John M. Chambers.

At the end of the 1980s **S**-**Plus**, a commercial software.

R was created in 1997 by Ross Ihaka and Robert Gentleman at the Auckland University (New Zealand).

R is a *free* software (GNU Public Licence)

Many statistical tools included in **R** and it is possible to create more (thousands of packages made by users can be found on internet)

https://cran.r-project.org/

Outlines

Concatenation

Remark : By default R displays 7 decimals. Here is the command to modify it: `options(digits=2)` (two decimals).

seq et rep

- seq allows to make a vector defined by a sequence:
- rep creates a vector which is the repetition of numbers or strings:

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Acknowledgement:

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