

TORINO R NET

What, Who, Why

TORINO R NET

- a users' group dedicated to bringing together area practitioners of the popular open source R statistics language
 - exchange knowledge
 - learn and share tricks and techniques
 - provide R beginners with an opportunity to meet more experienced users

TORINO R NET AIMS

- Spur the adoption of R for innovative research and commercial applications
- See case studies of real-life R applications in
 - Industry
 - Finance
 - Manufacturing
 - Software
 - ...
 - Government
 - Official statistics
 - Economic studies
 - ...
- ...

FIRST MEMBERS AND MEETING ORGANISERS

- People using R for work and personal interests
 - Alessandra Durio, Department of Statistics and Applied Mathematics “D. de Castro”, University of Torino
 - Daniele Amberti, quantitative consultant and functional analyst for ORS s.r.l.
 - Matteo Morini, Department of Economics and Public Finance “G. Prato”, University of Torino
 - Pietro Terna, Department of Economics and Public Finance “G. Prato”, University of Torino
 - *Ennio Davide Isaia, Department of Statistics and Applied Mathematics “D. de Castro”, University of Torino*

ENNIO DAVIDE ISAIA

- R user from version 1.0 in year 2000
- Enthusiast promoter of the R language
- Wrote handouts he used to give students
 - «Linguaggio R e applicazioni statistiche»

Capitolo 1

Introduzione ad R

R, parente di S-Plus ed erede di S, è un ambiente integrato che consente di elaborare dati, eseguire calcoli e creare rappresentazioni grafiche; dotato di un linguaggio di programmazione ad alto livello, con esso è possibile eseguire operazioni assai complesse con poche linee di comandi e, pertanto, si dimostra uno strumento estremamente potente che permette di analizzare e risolvere problemi specifici attinenti a diversi settori scientifici.

Le sue caratteristiche peculiari, ai fini statistici, sono rappresentate dalla possibilità di elaborazione di grandi quantità di dati, la vasta disponibilità di operatori per il calcolo matriciale e vettoriale nonché l'enorme disponibilità di librerie ("package") matematiche, statistiche e grafiche.

R, inoltre, è un software completamente gratuito e continuamente aggiornato, disponibile per piattaforme Unix (FreeBSD, NetBSD, Linux, Irix, Solaris, OSF/1, AIX, HPUX), Windows 9x/NT nonché MacOS. La URL ufficiale per il progetto R è:

<http://www.r-project.org>



NEXT STEPS

- Stay in contact
 - Register to www.TorinoR.net
 - Subscribe feeds and calendar
 - Suggest and support new activities
- Know each other
 - Statistical problems, interests and things to do
 - Use cases
 - Companies using R, interested in It or companies that simply should know more about It
 - Give life to new projects and activities
- Involve more people and companies
 - Grow the net through social networking
 - Organise focused events

EVENTS

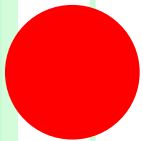
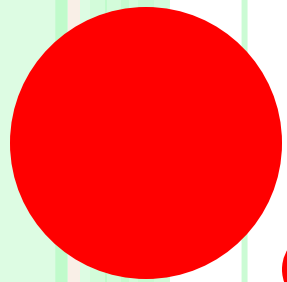
- Torino R net is based on events where people meet and can spend time networking
- We ask all participants to give us inputs to have events of interest to researchers and companies
 - Focused events e.g.
 - Finance (Portfolio optimization, time series analysis, ...)
 - Energy (Risk management, forecast, ...)
 - Manufacturing (Quality and Design of Experiments, ...)
 - ...
 - volunteers to present at future meetings or recommend someone

WWW.TORINOR.NET

- Home
 - About Torino R net activity and aims
- Announcements
 - Events' dates and topics
 - New activities and projects
- Events
 - Events' list, input and recommendations
 - Event's detail and registration for tracking and organisational purposes
- On-line presentations

FIRST TURIN R NET MEETING

- ... this welcome and presentation
- **Past, present and future of R**, Stefano Iacus, Department of Economics, Business and Statistics, University of Milano and **R Development Core Team**
- **JGR and Deducer**, Pietro Terna, Department of Economics and Public Finance “G. Prato”, University of Torino
- **R per l’ambiente in ARPA Piemonte**, S. Bande, C. Ronchi, R. Cremonini, Agenzia Regionale per la Protezione Ambientale del Piemonte



THANK YOU

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