

CAI: Cerca i Anàlisi d'Informació
Grau en Ciència i Enginyeria de Dades, UPC

0. Presentation

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Slides by Marta Arias, José Luis Balcázar, Ramon Ferrer-i-Cancho, Ricard Gavaldà, Department of Computer Science, UPC

Instructors

Ricard Gavaldà

- ▶ `gavalda@cs.upc.edu`
- ▶ Omega 232, 93 413 7788

René Alquézar

- ▶ `alquezar@cs.upc.edu`
- ▶ Omega 325, 93 413 7784

Material

`https://www.cs.upc.edu/~gavalda/cai.html`

or

Google “Ricard Gavaldà” → Teaching → CAI

Lab reports delivered through the Racó

Announcements via the Racó

Development

Theory:

- ▶ Instructors explain theory; slides are not fully self-contained
- ▶ We review the exercises proposed last week; quickly

Lab:

- ▶ Scripts are mostly self-contained
- ▶ Solve in pairs; part during lab, *part outside class*
- ▶ Hand report
- ▶ See detailed rules in scripts

Evaluation

- ▶ $P(60\% F, 20\% P + 40\% F) + 40\% L$
- ▶ L average grade of lab reports
- ▶ P midterm (“parcial”) grade. Nov 4th, 9:00-12:00
- ▶ F final exam grade. Jan 13th, 11:30-14:30

Contents

First half:

- ▶ Searching Textual Information
- ▶ Searching Linked Structures
- ▶ Architecture of a Web Search System

Second half:

- ▶ Social Network Analysis
- ▶ Recommendation
- ▶ Some Algorithms for Big Data
- ▶ Issues in constructing real systems