

# Information Retrieval

## Introduction

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# Outline

- 1 People
- 2 Course
- 3 Other

# Who am I?

- Postdoctoral researcher at the University of Amsterdam, The Netherlands
- PhD at the University of Lugano, Switzerland
- MSc at the St. Petersburg State University, Russia

# Research interests: heterogeneous search environments

- Algorithmic aspect
  - Distributed IR
  - Federated search
  - Aggregated search
- User aspect
  - Models of user search behavior
  - User-oriented evaluation

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**In the news**



**Burnt Hills football rallies past Amsterdam**  
 Times Union · 2 days ago  
 Amsterdam senior running back Dale Stanavich scored the second of two first-half rushing ...

Amsterdam's Nieuwe Kerk welcomes Marilyn Monroe - and that dress  
[DutchNews.nl](#) · 2 days ago

# Teaching

- MSc courses on **IR** and **Web Search** at UvA
- Course on **IR** at SPbAU and CSC in 2016
  - Two PhD students at SPbAU
- Tutorials at conferences and summer schools
  - **Distributed IR** at ECIR 2010, RuSSIR 2010, ECIR 2013
  - **Click models for web search** at SIGIR 2015, WSDM 2016, RuSSIR 2016

# RuSSIR 2016 in Saratov



# Assistant: Inur Shugaepov

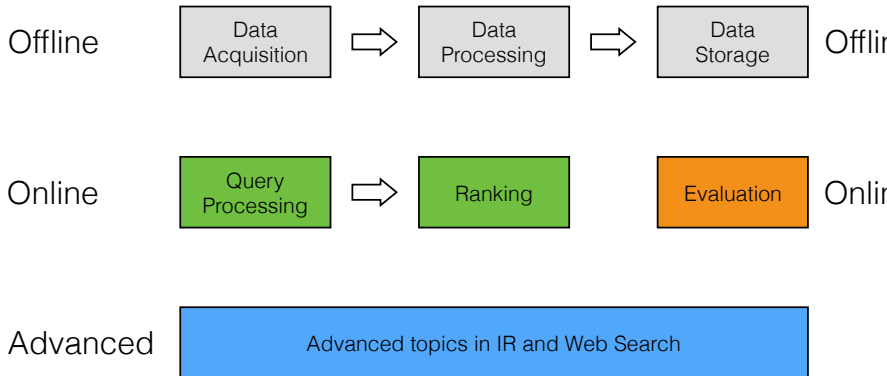
- Education
  - Academic University, PhD student
  - Academic University, MSc
  - Computer Science Center
  - ITMO University, BSc
- Teaching and work experience
  - ITMO University, Sorting and Searching Algorithms, lectures and practical sessions
  - JetBrains, internships

# Outline

- 1 People
- 2 **Course**
- 3 Other



# Course structure



# Schedule

- Two lectures today
- (Most probably) two lectures next week + short update on projects
- November 3–10, CIKM 2017

# Prerequisites

- Calculus
- Statistics
- Algorithms and theory of computations
- Machine learning
- Any other? – We will see

# Assessment

- 20% – homework assignments
- 30% – written exam
- 50% – project

# Projects

- Will discuss after the break
- Practical sessions are mainly for reporting and questions
- Reporting
  - Mid-term presentation, November 10
  - Final presentation, December 15 (preliminary)
  - Project report, December 22
- More information on wiki

# Materials

- B. Croft, D. Metzler, T. Strohman  
**Search Engines, Information Retrieval in Practice**  
<https://ciir.cs.umass.edu/irbook>
- C. Manning, P. Raghavan, H. Schütze  
**Introduction to Information Retrieval**  
<http://nlp.stanford.edu/IR-book>
- R. Baeza-Yates, B. Ribeiro-Neto  
**Modern Information Retrieval**  
<http://www.mir2ed.org>
- Scientific surveys and papers
- Video from CSC 2016

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## Projects, theses, etc.

If you have an idea for an IR-related project,  
let's discuss it.

If you do not have such an idea,  
let's find one for you.



# In-class ethics

- Laptops only for taking notes
- Sleeping only at home
- Feedback is highly appreciated