Second International Workshop on Health Recommender Systems

Organizers:
David Elsweiler,
Santiago Hors-Fraile,
Bernd Ludwig,
Alan Said,
Hanna Schäfer,
Christoph Trattner,
Helma Torkamaan,
André Calero Valdez

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Preface

There are many reasons why people make poor decisions related to their health. They may be conditioned by busy lifestyles, abundant options, lack of knowledge, and overloading information, among other reasons. Yet these poor decisions are leading to epidemics, which represent some of the greatest challenges we face as a society today. Noncommunicable Diseases, which include cardiovascular diseases, cancer, chronic respiratory diseases and diabetes, account for around 60% of total deaths worldwide. These diseases share four behavioral risk factors: tobacco use, unhealthy diet, physical inactivity and harmful consumption of alcohol and can be prevented and sometimes even reversed with simple lifestyle changes. Eating healthier, exercising more appropriately, sleeping and relaxing more, as well as simply being more aware of one’s state of health are all things that would lead to improved health. Yet knowing exactly what to change and how, implementing changes and maintaining changes over long time periods are all things people find challenging. Behavior change, health promotion, mental health promotion, health care support including patient diagnosis and treatments, and expert support are all areas for which we believe recommender systems can aid by offering specific, tailored suggestions. In recent years, recommender systems for health have become a popular topic within the Recommender Systems (RecSys) community and a selection of empirical contributions and demo systems have been published. Following the first Health Recommender Systems (HRS) workshop on 2016, the second HRS workshop focuses on enhancing HRS results by elaborating previous discussions and attracting interdisciplinary researchers to present and discuss their research. This volume contains the papers presented at the 2nd international workshop on health recommender system on August 31, 2017, held as part of the 11th ACM Conference on Recommender Systems in Como, Italy. Nine technical papers and one position paper were selected through a rigorous reviewing process by at least three PC members. These papers cover topics on health promotion, health care, as well as methods. The HRS chairs would like to thank RecSys 2017 organizing committee, especially the RecSys workshop chairs for their support. We would also like to thank the authors, presenters, and PC members, whose efforts made the workshop possible.

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David Elsweiler
Santiago Hors-Fraile
Bernd Ludwig
Alan Said
Hanna Schäfer
Christoph Trattner
Helma Torkamaan
André Calero Valdez
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David Elsweiler, University of Regensburg, Germany
Santiago Hors-Fraile, University of Seville, Spain / Maastricht University, Netherlands
Bernd Ludwig, University of Regensburg, Germany
Alan Said, University of Skövde, Sweden
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