User Modeling in Exploratory Search

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ABSTRACT
Here we'll describe the content of our essay.

Author Keywords
Exploratory Search; Information Retrieval; User Modeling.

ACM Classification Keywords
H.5.m. Information Interfaces and Presentation (e.g. HCI): Miscellaneous

General Terms
Human Factors; Design; Measurement.

INTRODUCTION
Context who needs, what needs, why that is a problem in current situation

We'll describe here the roles of further chapters.

USER MODELING
Shortish explanation of user modeling key concepts. [17], [5]

Sterotypes
Modeling stereotypes. [3], [16]

How to Collect and Analyze User Information
[15], [23]

Personalization
Individualization of user models, Adaptive/Adaptable User Interfaces, intelligent user interfaces [2], [4], [1]

EXPLORATORY SEARCH IS A SUBTOPIC OF INFORMATION RETRIEVAL

Information retrieval
There are many goals in information retrieval and exploratory search is one of them. [6], [10]

Exploratory Search
Introduction to exploratory search. [13], [27], [20]

USER MODELING IN EXPLORATORY SEARCH
Generally [14], [19], [24], [11]

User Model Construction Methods

Utilizing the User Model
Search interface and search results, how they are affected by User Model?

Stereotypes used? Personalization used?

Experience
How has user modeling been used in supporting exploratory search, example cases? What challenges have emerged?

- Cases

Analysis
- Challenges - Success - Failures

Recommendations, Future improvement needs etc.
See Cases: Conclusions

CONCLUSION
Goal, solution summary

Our goal was to explore the field of Exploratory Search and User Modeling. We found several articles that have some contribution to the topic.

Summary of results and their reliability

We found that: - Usage - Success - Failures

How much is it used in the real world, really?

Research impact - What has the research brought into software development?

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