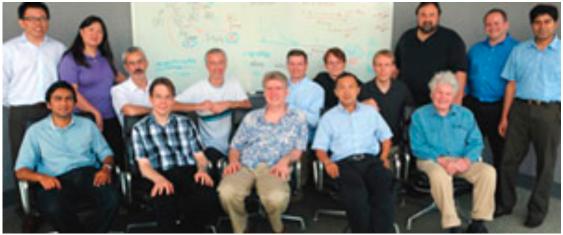
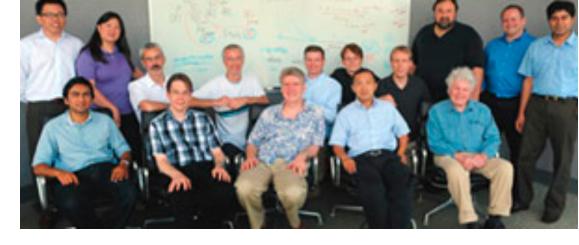
The importance of uncertainty calibration



IBM Watson Algorithms team, c.a., 2009



The importance of uncertainty calibration



IBM Watson Algorithms team, c.a., 2009



Watson for XY and Z

Watson: Beyond Jeopardy!

David Ferrucci*, Anthony Levas, Sugato Bagchi, David Gondek, Erik T. Mueller

IBM T.J. Watson Research Center, United States

ARTICLE INFO

Article history: Received 28 May 2012 Accepted 23 June 2012 Available online 7 August 2012

ABSTRACT

This paper presents a vision for applying the Watson technology to health care and describes the steps needed to adapt and improve performance in a new domain. Specifically, it elaborates upon a vision for an evidence-based clinical decision support system, based on the DeepQA technology, that affords exploration of a broad range of hypotheses and their associated evidence, as well as uncovers missing information that can be used in mixed-initiative dialog. It describes the research challenges, the adaptation approach, and finally reports results on the first steps we have taken toward this goal.

© 2012 Elsevier B.V. All rights reserved.

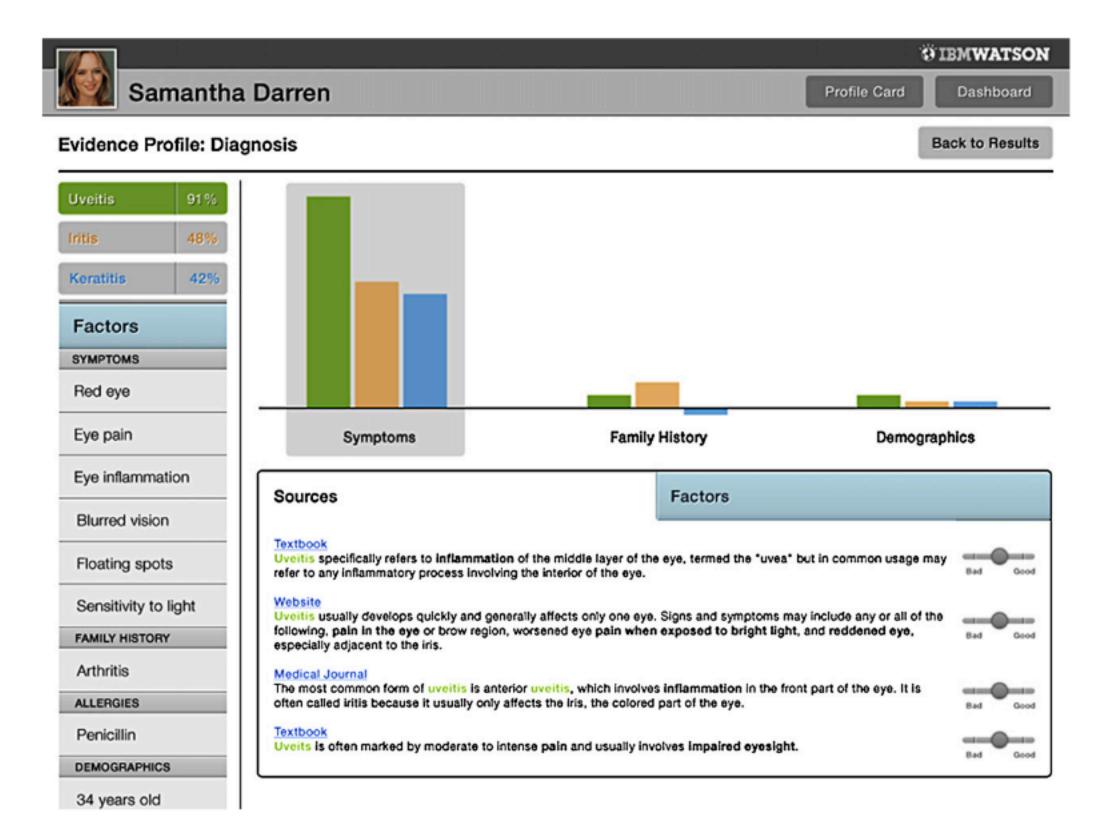


Fig. 4. Exploring differential diagnosis and evidence profiles.

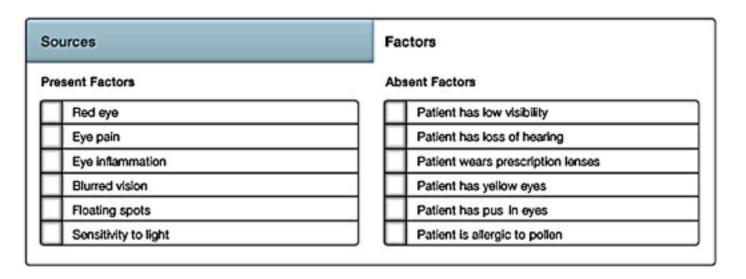


Fig. 5. Factors related to Uveitis diagnosis.