

Lecture Notes in Artificial Intelligence

2600

Subseries of Lecture Notes in Computer Science

Edited by J. G. Carbonell and J. Siekmann

Lecture Notes in Computer Science

Edited by G. Goos, J. Hartmanis, and J. van Leeuwen

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Advanced Lectures on Machine Learning

Machine Learning Summer School 2002
Canberra, Australia, February 11-22, 2002
Revised Lectures



Springer

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Cataloging-in-Publication Data applied for

A catalog record for this book is available from the Library of Congress.

Bibliographic information published by Die Deutsche Bibliothek
Die Deutsche Bibliothek lists this publication in the Deutsche Nationalbibliografie;
detailed bibliographic data is available in the Internet at <<http://dnb.ddb.de>>.

CR Subject Classification (1998): I.2.6, F.1, F.2

ISSN 0302-9743

ISBN 3-540-00529-3 Springer-Verlag Berlin Heidelberg New York

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Springer-Verlag Berlin Heidelberg New York
a member of BertelsmannSpringer Science+Business Media GmbH

<http://www.springer.de>

© Springer-Verlag Berlin Heidelberg 2003
Printed in Germany

Typesetting: Camera-ready by author, data conversion by PTP-Berlin Stefan Sossna e. K.
Printed on acid-free paper SPIN: 10872572 06/3142 5 4 3 2 1 0

Preface

Machine Learning has become a key enabling technology for many engineering applications and theoretical problems alike. To further discussions and to disseminate new results, a Summer School was held on February 11–22, 2002 at the Australian National University.

The current book contains a collection of the main talks held during those two weeks in February, presented as tutorial chapters on topics such as Boosting, Data Mining, Kernel Methods, Logic, Reinforcement Learning, and Statistical Learning Theory. The papers provide an in-depth overview of these exciting new areas, contain a large set of references, and thereby provide the interested reader with further information to start or to pursue his own research in these directions. Complementary to the book, a recorded video of the presentations during the Summer School can be obtained at

<http://mlg.anu.edu.au/summer2002>

It is our hope that graduate students, lecturers, and researchers alike will find this book useful in learning and teaching Machine Learning, thereby continuing the mission of the Summer School.

Canberra, November 2002

Shahar Mendelson
Alexander Smola

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Thanks and Acknowledgments

We gratefully thank all the individuals and organizations responsible for the success of the workshop.

Local Arrangements, Co-located Conferences Help

Special thanks go to John Lloyd for making this Summer School possible, to Di Kossatz and Michelle Moravec who handled the local arrangements, to Gunnar Rättsch for his help with the manuscripts, to Dennis Andriolo, Joe Elso, Kim Holburn, and Teddy Mantoro for IT support, to Annie Lau, Petra Philips, Kristy Sim, Cheng Soon-Ong, and the students at the Computer Sciences Laboratory for their help throughout the course of the Summer School.

Sponsoring Institutions

Research School of Information Sciences and Engineering, Australia
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Speakers

Brian Anderson
Peter Bartlett
Peter Hall
Markus Hegland
Jyrki Kivinen
John Lloyd
Ron Meir

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Gunnar Rättsch
Bernhard Schölkopf
Arun Sharma
Alex Smola
Robert Williamson

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