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| 1. Record Nr. | UNINA990000127050403321 |
| Autore | Canina, Luigi |
| Titolo | L'architettura antica descritta e dimostrata coi monumenti / da Luigi Canina : opera divisa in 3 sezioni riguardanti l'istoria, la teoria, e le pratiche dell'architettura egiziana, greca, romana |
| Pubbl/distr/stampa | Roma : Dai tipi dello stesso Canina, 1839- |
| Descrizione fisica | v. ; 40 cm |
| Disciplina | 722.2 |
| Lingua di pubblicazione | Italiano |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| 2. Record Nr. | UNINA9910780744203321 |
| Autore | Filippone Antonio <1965-> |
| Titolo | Advanced Aircraft Flight Performance : Including Environmental Performance // Antonio Filippone |
| Pubbl/distr/stampa | Reston, Virginia : , : American Institute of Aeronautics and Astronautics, Inc., , [2022]
©2022 |
| ISBN | 9781624106408
9781624106392 |
| Edizione | [Second edition.] |
| Descrizione fisica | 1 online resource (831 pages) |
| Disciplina | 629.132 |
| Soggetti | Airplanes - Performance
Airplanes - Design and construction |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references and index. |
| Sommario/riassunto | In recent years there has been a renaissance in the field of aircraft |

flight performance with a number of developments centring mostly on environmental performance, sustainability, digitisation, large data sets, integration with flight monitoring systems, and novel power plants - just to name a few. The aviation industry is now acutely aware of the climate emergency, and aircraft performance is now intrinsically linked to emissions. The availability of increasingly large amounts of digital data from on-board computers (flight data recorder, FADEC), data transmission to ground stations, internet streaming of flight data, and various web applications have created a wealth of performance data that would have been inconceivable just a few years ago. With advances in these two directions, as well as new engine technology (high by-pass turbofan engines, counter-rotating open rotors), this second edition of *Advanced Aircraft Flight Performance* features significant updates throughout, along with three new chapters. About one-third of the material now deals with environmental performance. The second part of this book is devoted to a wide spectrum of environmental aspects of flight. Exhaust gases have long time spans and aircraft condensation trails are there to remind us that aviation is having a measurable impact on our skies. There is hope that sustainable aviation fuels could help reduce the overall emissions. The book also contains advanced material across several disciplines, including data-driven modelling, airframe-propulsion integration, thermo-structural performance, and flight mechanics. This textbook can be used as a guideline for teaching aircraft performance, aircraft noise, and environmental performance at a senior university level.

3. Record Nr.	UNINA9910522999103321
Autore	Montesinos Lopez Osval Antonio
Titolo	Multivariate Statistical Machine Learning Methods for Genomic Prediction // by Osval Antonio Montesinos López, Abelardo Montesinos López, José Crossa
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-89010-4
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (707 pages)
Classificazione	MED090000SCI011000SCI070000SCI086000TEC003000
Altri autori (Persone)	Montesinos LopezAbelardo CrossaJose
Disciplina	630
Soggetti	Agriculture Bioinformatics Plant genetics Agricultural genome mapping Biometry Plant Genetics Agricultural Genetics Biostatistics Aprenentatge automàtic Genètica vegetal Estadística matemàtica Anàlisi multivariable Processament de dades Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Chapter 1 -- General elements of genomic selection and statistical learning -- Chapter. 2 -- Preprocessing tools for data preparation -- Chapter. 3 -- Elements for building supervised statistical machine learning models -- Chapter. 4 -- Overfitting, model tuning and evaluation of prediction performance -- Chapter. 5 -- Linear Mixed Models -- Chapter. 6 -- Bayesian Genomic Linear

Regression -- Chapter. 7 -- Bayesian and classical prediction models for categorical and count data -- Chapter. 8 -- Reproducing Kernel Hilbert Spaces Regression and Classification Methods -- Chapter. 9 -- Support vector machines and support vector regression -- Chapter. 10 -- Fundamentals of artificial neural networks and deep learning -- Chapter. 11 -- Artificial neural networks and deep learning for genomic prediction of continuous outcomes -- Chapter. 12 -- Artificial neural networks and deep learning for genomic prediction of binary, ordinal and mixed outcomes -- Chapter. 13 -- Convolutional neural networks -- Chapter. 14 -- Functional regression -- Chapter. 15 -- Random forest for genomic prediction.

Sommario/riassunto

This book is open access under a CC BY 4.0 license This open access book brings together the latest genome base prediction models currently being used by statisticians, breeders and data scientists. It provides an accessible way to understand the theory behind each statistical learning tool, the required pre-processing, the basics of model building, how to train statistical learning methods, the basic R scripts needed to implement each statistical learning tool, and the output of each tool. To do so, for each tool the book provides background theory, some elements of the R statistical software for its implementation, the conceptual underpinnings, and at least two illustrative examples with data from real-world genomic selection experiments. Lastly, worked-out examples help readers check their own comprehension. The book will greatly appeal to readers in plant (and animal) breeding, geneticists and statisticians, as it provides in a very accessible way the necessary theory, the appropriate R code, and illustrative examples for a complete understanding of each statistical learning tool. In addition, it weighs the advantages and disadvantages of each tool.
