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Autore	Oneto Luca
Titolo	Model Selection and Error Estimation in a Nutshell / / by Luca Oneto
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Descrizione fisica	1 online resource (135 pages)
Collana	Modeling and Optimization in Science and Technologies, , 2196-7334 ; ; 15
Disciplina	006.31
Soggetti	Computational intelligence Statistics Data mining Computational Intelligence Statistical Theory and Methods Data Mining and Knowledge Discovery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- The “Five W” of MS & EE -- Preliminaries -- Resampling Methods -- Complexity-Based Methods -- Compression Bound -- Algorithmic Stability Theory -- PAC-Bayes Theory -- Differential Privacy Theory -- Conclusions & Further Readings.
Sommario/riassunto	How can we select the best performing data-driven model? How can we rigorously estimate its generalization error? Statistical learning theory answers these questions by deriving non-asymptotic bounds on the generalization error of a model or, in other words, by upper bounding the true error of the learned model based just on quantities computed on the available data. However, for a long time, Statistical learning theory has been considered only an abstract theoretical framework, useful for inspiring new learning approaches, but with limited applicability to practical problems. The purpose of this book is to give an intelligible overview of the problems of model selection and error estimation, by focusing on the ideas behind the different statistical learning theory approaches and simplifying most of the technical aspects with the purpose of making them more accessible and usable

in practice. The book starts by presenting the seminal works of the 80's and includes the most recent results. It discusses open problems and outlines future directions for research.

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**Titolo**

Formal semantics : the essential readings / / edited by Paul Portner and Barbara H. Partee

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**Descrizione fisica**

1 online resource (498 p.)

**Collana**

Linguistics : The essential readings

**Altri autori (Persone)**

PortnerPaul  
ParteeBarbara Hall

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**Soggetti**

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Description based upon print version of record.

**Nota di bibliografia**

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**Nota di contenuto**

Formal Semantics: The Essential Readings; Contents; Acknowledgments; Introduction; 1 The Proper Treatment of Quantification in Ordinary English; 2 A Unified Analysis of the English Bare Plural; 3 Generalized Quantifiers and Natural Language; 4 The Logical Analysis of Plurals and Mass Terms: A Lattice-theoretical Approach; 5 Assertion; 6 Scorekeeping in a Language Game; 7 Adverbs

of Quantification; 8 A Theory of Truth and Semantic Representation; 9 File Change Semantics and the Familiarity Theory of Definiteness; 10 On the Projection Problem for Presuppositions  
11 Toward a Semantic Analysis of Verb Aspect and the English "Imperfective" Progressive12 The Notional Category of Modality; 13 The Algebra of Events; 14 Generalized Conjunction and Type Ambiguity; 15 Noun Phrase Interpretation and Type-shifting Principles; 16 Syntax and Semantics of Questions; 17 Type-shifting Rules and the Semantics of Interrogatives; 18 On the Notion Affective in the Analysis of Negative-polarity Items; Index

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**Sommario/riassunto**

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Formal Semantics: The Essential Readings is a collection of seminal papers that have shaped the field of formal semantics in linguistics.

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