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Zoog""; ""4-8 Translation""; ""Chapter 5. Conditionals""; ""5-1 Boolean expressions""; ""5-2 Conditionals: if, else, else if""; ""5-3 Conditionals in a sketch""; ""5-4 Logical operators""; ""5-5 Multiple rollovers""; ""5-6 Boolean variables""; ""5-7 A bouncing ball""; ""5-8 Physics 101""; ""Chapter 6. Loops""
""6-1 What is iteration? I mean, what is iteration? Seriously, what is iteration?""""6-2 The while loop, the only loop you really need""; ""6-3 ?Exit? conditions""; ""6-4 The for loop""; ""6-5 Local vs. global variables (a.k.a. ?variable scope?)""; ""6-6 Loop inside the draw() loop""; ""6-7 Zoog grows arms""; ""Lesson 3. Organization""; ""Chapter 7. Functions""; ""7-1 Break it down""; ""7-2 ?User-defined? functions""; ""7-3 Defining a function""; ""7-4 Simple modularity""; ""7-5 Arguments""; ""7-6 Passing a copy""; ""7-7 Return type""; ""7-8 Zoog reorganization""; ""Chapter 8. Objects""
""8-1 I?m down with OOP""""8-2 Using an object""; ""8-3 Writing the cookie cutter""; ""8-4 Using an object: the details""; ""8-5 Putting it together with a tab""; ""8-6 Constructor arguments""; ""8-7 Objects are data types too!""; ""8-8 Object-oriented Zoog""; ""Lesson 4. More of the Same""; ""Chapter 9. Arrays""; ""9-1 Arrays, why do you care?""; ""9-2 What is an array?""; ""9-3 Declaring and creating an array""; ""9-4 Initializing an array""; ""9-5 Array operations""; ""9-6 Simple array example: the snake""; ""9-7 Arrays of objects""; ""9-8 Interactive objects""
""9-9 Processing?s array functions""

Sommario/riassunto

Learning Processing, Second Edition, is a friendly start-up guide to Processing, a free, open-source alternative to expensive software and daunting programming languages. Requiring no previous experience, this book is for the true programming beginner. It teaches the basic building blocks of programming needed to create cutting-edge graphics applications including interactive art, live video processing, and data visualization. Step-by-step examples, thorough explanations, hands-on exercises, and sample code, supports your learning curve. A unique lab-style manual, the book gives graphic and web designers, artists, and illustrators of all stripes a jumpstart on working with the Processing programming environment by providing instruction on the basic principles of the language, followed by careful explanations of select advanced techniques. The book has been developed with a supportive learning experience at its core. From algorithms and data mining to rendering and debugging, it teaches object-oriented programming from the ground up within the fascinating context of interactive visual media. This book is ideal for graphic designers and visual artists without programming background who want to learn programming. It will also appeal to students taking college and graduate courses in interactive media or visual computing, and for self-study. A friendly start-up guide to Processing, a free, open-source alternative to expensive software and daunting programming languages No previous experience required—this book is for the true programming beginner! Step-by-step examples, thorough explanations, hands-on exercises, and sample code supports your learning curve

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	Autore	Fujita Hamido
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	Nota di contenuto	-- Reinforcement Learning. -- An Enhanced Preference-Based Reinforcement Learning Framework for Autonomous System. -- Reinforcement Learning based Iterated Greedy for Parallel Machine Scheduling with Weighted Earliness Tardiness. -- VMD-IMF Enhanced Hyper Graph Attention Module Based Reinforcement Learning For Portfolio Optimization. -- A reinforcement learning based framework to the facility layout problem. -- Optimization. -- Bayesian Optimization for Fine-Tuning an AI Solver: Application to Preventive Maintenance Scheduling Problems. -- Domain Generalization through Domain-Expert Risk Assessment. -- Enhanced Optimization Space Learning: Towards Real-Time Compiler Optimization. -- Optimizing Feature Selection Binary Peacock Algorithm with improved movement strategy. -- Natural Language Processing. -- Apply TF-IDF and LDA to Explore Topics and Related Trends in Electric Vehicle Reviews. -- Identifying Fake Reviews and Their Implications Using BERT and LDA: A Case Study of Online Shopping Website Reviews. -- A Lightweight and Efficient Punctuation and Word Casing Prediction Model for On Device Streaming ASR. -- SYNCAD: Synchronised Yields from Narrative Cross

Modal Audio and Data. -- MultiGAU: Real Time Sign Language Generation using Multimodal Gated Attention. -- Classification of Approval Desires and Analysis of Emotional and Linguistic Features in SNS Posts Using Generative AI. -- Multi-Agent. -- Hierarchical Multi-Agent Reinforcement Learning with Epistemic Priors for Scalable Communicationless Coordination of Teamable Agents. -- DynaMIX: Sample-Efficient Multi Agent Reinforcement Learning with Multi-Step Temporal Forward Dynamics Modeling. -- Automated Issue Hierarchy Generation for Improved Automated Negotiation Outcomes. -- Machine Learning and Decision Making. -- Distribution Variance for Surrogate Weights in Multi-Criteria Decision Analysis. -- Bridging the Trust Gap: Leveraging Explainable AI for Personalized E-Commerce Recommendations. -- A clustering method based on hesitant difference granularity. -- Evaluation of Efficient AI for the Edge: Insights from Deep Neural Networks Model Compression Techniques Applied to Occupancy Detection. -- LSTM-based Proactive Scheduling of Stream Applications in Edge/Cloud Environments. -- Uncertainty Quantification Of Multimodal Models. -- Knowledge Representation. -- Automating OntoClean Ontology Verification. -- Automating OntoClean - Subsumption Hierarchy Construction. -- Possibilistic Reasoning with Fuzzy Formal Contexts: An Extended Abstract. -- A Strategy for Implementing Garbage Detection in Ontology Completion using Description Logics. -- Data Engineering. -- Uncertainty-based Instance-Dependent Noisy Label Datasets Generation. -- Guided by Uncertainty: Semi-supervised Domain Adaptation with Curriculum and Contrastive Learning. -- Linking Data Meaningfully: Identifying Meaningful Keys and Foreign Keys from Data. -- CAMI: A missing value imputation method based on causal discovery and self-attention. -- MDR: An Ontology Vocabulary and Registry Service for Dataset Catalogs. -- A-REACT: Adaptive Resampling and Active Classification for Thresholded Anomalies. -- DistResampleR-Lite: Light Distributed Resampler for Imbalanced Regression Problems. -- Fast HSIC-based tests for random processes. -- Large Language Model. -- Exploring the Efficacy of Large Language Models in Predicting Chemical Toxicity. -- Towards Predicting Complex Carpooling Trajectories with Context-Augmented BERT LLM in Chaotic Environments. -- LLM-base MaSE, A Software Development Framework for Developing Multi-Agent Systems. -- Computer Vision. -- WeldViT: A Lightweight Network for Online Identification of Multi-Label Welding Defects. -- Impact of Replay Ratios on Performance and Efficiency in Continual Learning for Skeleton-based Action Recognition. -- Extending YOLO for Feature-Based Classification Through Numerical-to-Image Transformation. -- Lost in the Noise: Evading and Detecting Backdoors in Conditional Diffusion Models. . SkinPalNet: An Advanced Ensemble Model for Skin Cancer Diagnosis with Computer Vision Approach. -- Enhancing Minimarket Customer Experience through YOLOv8-Powered Checkout Systems. -- Brain Tumor MRI Interpretation: Towards a Benchmark for Medical Visual Question Answering.

Sommario/riassunto

This book constitutes the refereed proceedings of the 38th International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems on Advances and Trends in Artificial Intelligence, IEA/AIE 2025, held in Kitakyushu, Japan, in July 1–4, 2025. The 80 full papers and 9 short papers included in this book were carefully reviewed and selected from 130 submissions. They focus on the following topical sections: Part I: Reinforcement Learning; Optimization; Natural Language Processing; Multi-Agent; Machine Learning and Decision Making; Knowledge Representation; Data Engineering; Large Language Model; Computer Vision. Part II: Robotics;

Education; Cyber Security; Healthcare and Medical Applications; Advanced Applied Intelligence Methodologies and Applications; Intelligent Systems and e-Applications; Industrial and Engineering Applications.