

1. Record Nr.	UNINA9910484875903321
Titolo	Reproducible research in pattern recognition : third International workshop, RRPR 2021, Virtual Event, January 11, 2021, revised selected papers // edited by Bertrand Kerautret [and five others], editors
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-76423-0
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (X, 173 p. 72 illus., 54 illus. in color.)
Collana	Lecture notes in computer science ; ; 12636
Disciplina	005.365
Soggetti	Application software
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Reproduced Papers.org: Openly Teaching and Structuring Machine Learning Reproducibility -- Reproducibility: Evaluating the Evaluations -- torchdistill: A Modular, Configuration-Driven Framework for Knowledge Distillation -- Spatio-Temporal Convolutional Autoencoders for Perimeter Intrusion Detection -- Creating Emotion Recognition Algorithms Based on a Convolutional Neural Network for Sentiment Analysis -- Tree Defect Segmentation Using Geometric Features and CNN -- Pith Estimation on Tree Log End Images -- Structure and Concept of the Benchmark for Vesselness Filters with Focus on Reproducibility and Future Evaluations -- A Heuristic-Based Decision Tree for Connected Components Labeling of 3D Volumes: Implementation and Reproducibility Notes -- On the Implementation of Planar 3D Transfer Learning for End to End Unimodal MRI Unbalanced Data Segmentation -- Reproducibility Aspects of Crack Detection as a Weakly-Supervised Problem: Towards Achieving Less Annotation-Intensive Crack Detectors -- Reproducing the Sparse Huffman Address Map Compression for Deep Neural Networks -- Implementation of Genetic Pseudo Rehearsal.
Sommario/riassunto	This book constitutes the thoroughly refereed post-workshop proceedings of the Third International Workshop on Reproducible Research in Pattern Recognition, RRPR 2021, held as a virtual event, in January 2021. The 8 revised full papers, presented together with 6

short papers, were carefully reviewed and selected from 18 submissions. The papers were organized into three main categories. The first contributions focused on reproducible research frameworks. The second category focused on reproducible research results and the last category included ICPR companion papers describing implementation and details that are an absolute requirement for reproducibility.

---