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Multi-dimensional feature and data mining

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Citation

Georgiou, T. (2021, September 29). *Multi-dimensional feature and data mining*. Retrieved from <https://hdl.handle.net/1887/3214119>

Version: Publisher's Version

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Note: To cite this publication please use the final published version (if applicable).

About the author

Theodoros Georgiou was born in Athens, Greece on the 11th of February 1989. He studied Physics at the National and Kapodistrian University of Athens where he graduated as a B.Sc. in 2013. He then moved to the Netherlands and obtained his M.Sc. in Computer Science from Leiden University in 2016.

In September 2016, he started his PhD supported by the Dutch Research Council (Nederlandse Organisatie voor Wetenschappelijk Onderzoek, NWO) and the Honda Research Institute - Europe GmbH (HRI-EU) in Offenbach, Germany. He worked at the Media Lab in the Leiden Institute of Advanced Computer Science (LIACS), Leiden University, the Netherlands, in the Natural Computing group of the same institute and HRI-EU, under the supervision of Prof.Dr. T.H.W. Bäck and Prof.Dr. M.S.K. Lew. During his PhD he worked in the project "Data Mining on High Volume Simulation Output (DAMIOSO)" during which he collaborated with and was supervised by Dr. S. Schmitt and Dr. M. Olhofer. His research interests include computer vision, high dimensional data mining, deep learning and artificial intelligence applications. Specifically he is focusing on description methods for various data types, such as RGB, RGB-D and volumetric images. Moreover, he developed deep learning approaches for similar fields as well as core deep learning methods such as rotation invariant operators, regularization and normalization techniques with application CFD simulation output. He has published papers in international conferences and journal such as WCCI, IJMIR, MTAP, CBMI and ICPR.