

Multi-label Classification

Surveys:

- 1) [Tsoumakas 2007] https://www.researchgate.net/publication/273859036_Multi-Label_Classification_An_Overview
- 2) [Chekina 2011] https://www.researchgate.net/publication/220765088_Meta-learning_for_Selecting_a_Multi-label_Classification_Algorithm
- 3) [Madjarov 2012] <https://www.sciencedirect.com/science/article/pii/S0031320312001203>
- 4) [Zhang 2014] <http://129.211.169.156/publication/tkde13rev.pdf>
- 5) [Gibaja 2015] https://www.researchgate.net/profile/Sebastian-Ventura/publication/270337594_A_Tutorial_on_Multi-Label_Learning/links/54bcd8460cf253b50e2d697b/A-Tutorial-on-Multi-Label-Learning.pdf
- 6) [Herrera 2016] <https://www.springer.com/gp/book/9783319411101>
- 7) [Moyano 2018] https://www.researchgate.net/publication/321856978_Review_of_Ensembles_of_Multi-Label_Classifiers_Models_Experimental_Study_and_Prospects
- 8) [Zhang 2018] [https://link.springer.com/article/10.1007/s11704-017-7031-7#:~:text=Binary%20relevance%20is%20arguably%20the,\(one%20per%20class%20label\).](https://link.springer.com/article/10.1007/s11704-017-7031-7#:~:text=Binary%20relevance%20is%20arguably%20the,(one%20per%20class%20label).)
- 9) [Rivoli 2020] <https://link.springer.com/article/10.1007/s10994-020-05879-3>
- 10) [Bogatinovski 2021] <https://arxiv.org/abs/2102.07113>

MLC properties:

1. [Herrera 2016] <https://www.springer.com/gp/book/9783319411101>
2. [Moyano 2018] https://www.researchgate.net/publication/321856978_Review_of_Ensembles_of_Multi-Label_Classifiers_Models_Experimental_Study_and_Prospects
3. [Bogatinovski 2019] Master thesis
4. [Bogatinovski 2021a] <https://arxiv.org/abs/2102.07113>
5. [Bogatinovski 2021b] <https://arxiv.org/abs/2106.15411>

Software tools

1. [2011 Tsoumakas] MULAN: A Java Library for Multi-Label Learning <https://jmlr.org/papers/volume12/tsoumakas11a/tsoumakas11a.pdf>
2. [2016 Read] <https://www.jmlr.org/papers/volume17/12-164/12-164.pdf>
3. [2017 Pioter] <https://arxiv.org/pdf/1702.01460.pdf>
4. [2017 Probst] <https://arxiv.org/pdf/1703.08991.pdf>
5. [2018 Rivoli] <https://cran.r-project.org/web/packages/utiml/utiml.pdf>
6. [2020 Charte] <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=9031394>
7. Collections of code and data:
 - a. [2016 Manic Varma] <http://manikvarma.org/downloads/XC/XMLRepository.html>

- b. [2004 LAMBDA] <http://www.lamda.nju.edu.cn/Data.ashx>
- c. [2018 CLUS] http://kt.ijs.si/jurica_levatic/clusSSL-manual.pdf
- d. [2008 LABIAC] http://ceai.njnu.edu.cn/Lab/LABIC/LABIC_Software.html

AUTO ML for MLC studies:

- 1. [2020 de Sa] <https://dl.acm.org/doi/10.1145/3377930.3390231>
- 2. [2018 Weaver] <https://arxiv.org/abs/1811.04060>
- 3. [2021 Weaver] <https://ris.uni-paderborn.de/publication/21004>
- 4. Code:
 - a. [2021 Weaver] <https://github.com/mwever/tpami-automlc>

Data augmentation methods:

- 1. [2020 Tsoumakas] <https://arxiv.org/pdf/2005.03240.pdf>

Sampling methods:

- 2. [2011 Sechidis] https://link.springer.com/content/pdf/10.1007%2F978-3-642-23808-6_10.pdf

Thresholding decisions

- 1. [2014 Reem] https://www.researchgate.net/publication/277887001_Multi-label_Classification_A_Comparative_Study_on_Threshold_Selection_Methods

Metrics and Structural Risk Minimization:

- 1. [2012 Dzumbakas] https://en.cs.uni-paderborn.de/fileadmin/informatik/fq/is/Publications/dembczynski_762.pdf
- 2. [2014 Waegemann] Willem Waegeman, Krzysztof Dembczyński, Arkadiusz Jachnik, Weiwei Cheng, and Eyke Hüllermeier. 2014. On the bayes-optimality of F-measure maximizers. J. Mach. Learn. Res. 15, 1 (January 2014), 3333–3388.
- 3. [2015 Gibaja] https://www.researchgate.net/profile/Sebastian-Ventura/publication/270337594_A_Tutorial_on_Multi-Label_Learning/links/54bcd8460cf253b50e2d697b/A-Tutorial-on-Multi-Label-Learning.pdf

Dataset libraries:

- 1. Automatic dataset generation: <http://sites.labic.icmc.usp.br/mldatagen/>
- 2. MULAN <https://jmlr.org/papers/volume12/tsoumakas11a/tsoumakas11a.pdf>
- 3. Cometa <https://cometa.ujaen.es/datasets/>
- 4. KDIS <http://www.uco.es/kdis/mlresources/>

Methods

1. Problem transformation [Bogatinovski 2021a] Chapter 3.1
<https://arxiv.org/abs/2102.07113>
2. Algorithm adaptation [Bogatinovski 2021a] Chapter 3.2
<https://arxiv.org/abs/2102.07113>