
STELLINGEN

behorend bij het proefschrift getiteld

Robust Semi-supervised Learning

door

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1. Semi-supervised learning without additional assumptions, beyond those inherent in the supervised classifier, is possible.
– *This thesis, Chapters 1 & 2*
2. One can guarantee performance improvement of some semi-supervised learners over their supervised counterparts.
– *This thesis, Chapters 1 & 3*
3. Truly safe semi-supervised learning is impossible for a large class of commonly used classifiers.
– *This thesis, Chapter 5*
4. Considering a classification method's performance in terms of the actual loss it minimizes at train time gives useful insights.
– *This thesis, Chapter 4*
5. There is a limit to the usefulness of asymptotic results.
6. Rather than hoping for practice to better correspond to current statistical methods, we need new methods that better match the adaptive way statistics is used in practice.
7. The focus in statistical practice on hypothesis testing is feeding society's appetite to clear cut answers in a reality where none are available.
8. Data is uninteresting without a model, while a model can be interesting without data.
9. Publishers have become a dispensible part of scientific communication.
10. Our unwillingness or inability to define our actual goals, combined with a need for certainty, lead to surrogate measures (e.g. GDP, H-index, wealth, 'likes' on social media) that are actively harmful.