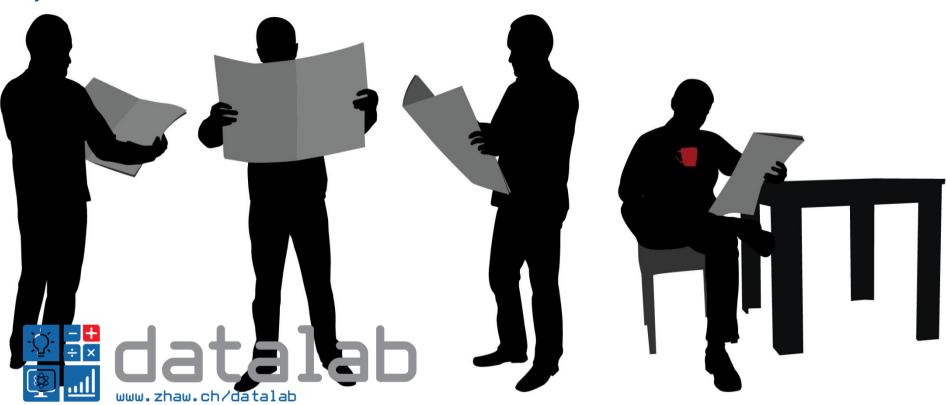
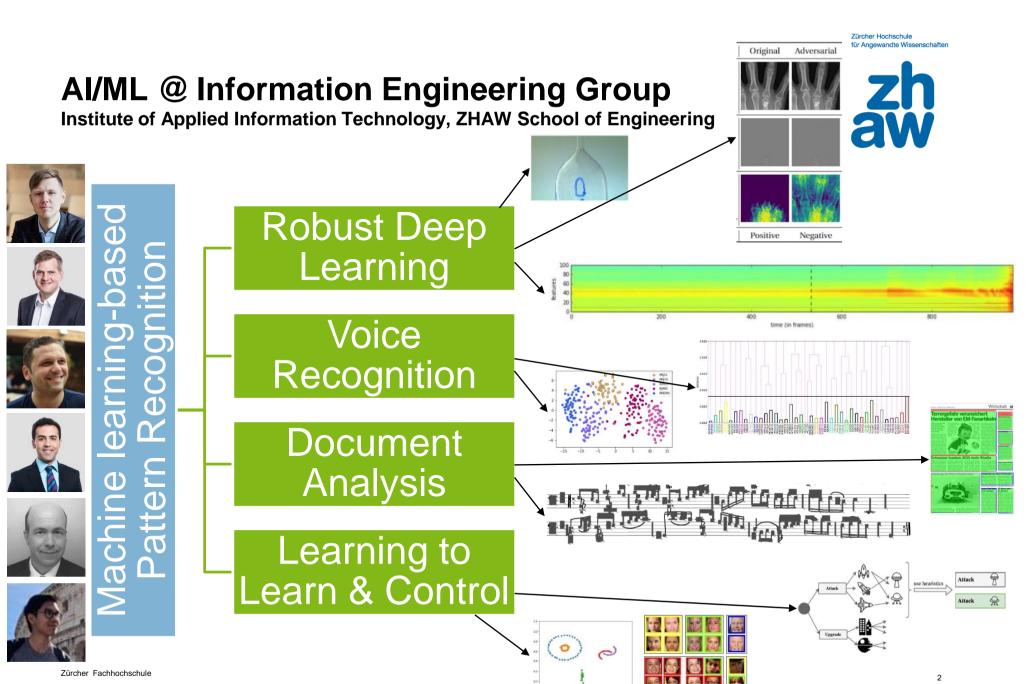
The Relationship of Pattern Recognition Research and Public Communication



Discussion opener at Algorithms + Language, IAM MediaLab, Oct 17 2019

by Thilo Stadelmann





Example 1: Industrial quality control



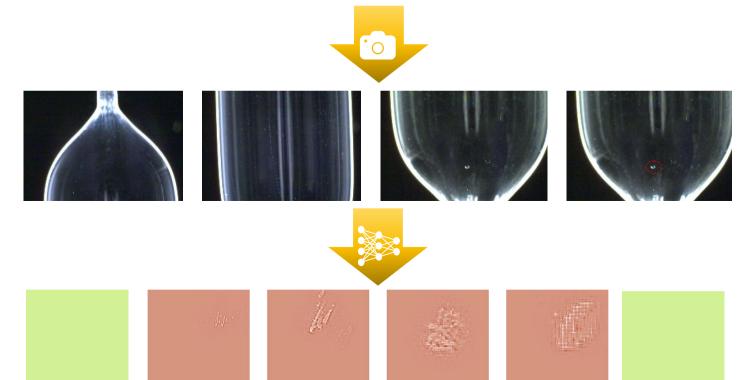






Swiss Confederation

Innosuisse – Swiss Innovation Agency



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Example 1: Industrial quality control



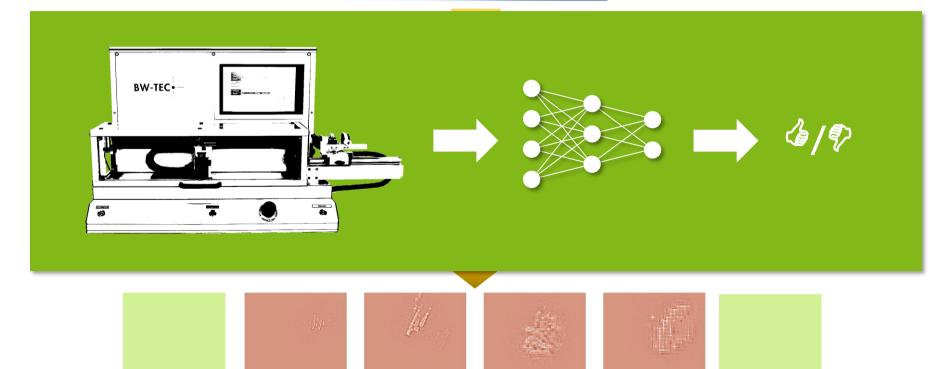




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Swiss Confederation

Innosuisse – Swiss Innovation Agency



Example 2: AutoML (Auto Computer Vision 2 Challenge)



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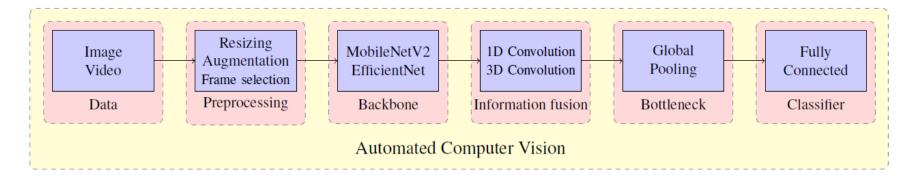
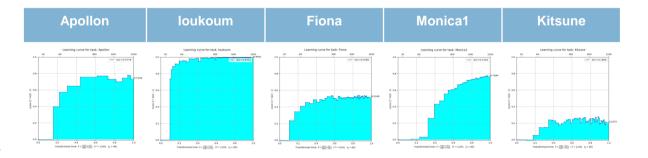


Image Processing:

- Resize to the larger edge of 128
- · Global (spatial) average pooling

Video Processing:

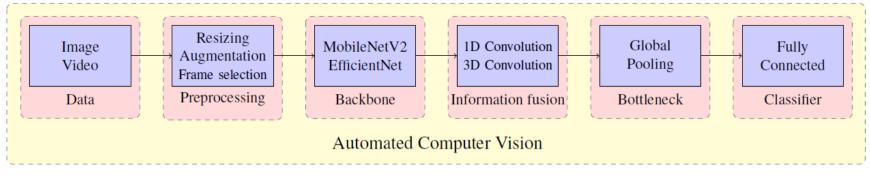
- Random frame selection
- Resize to 80×80 for large images
- Temporal convolution

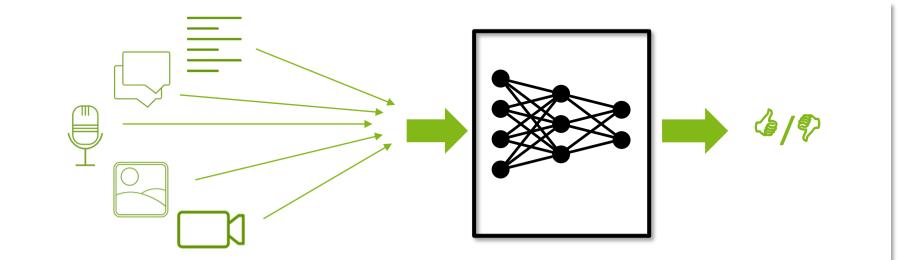


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Example 2: AutoML(Auto Computer Vision 2 Challenge)







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Public communication: an indirect problem in PR (at least)



Challenge: how **not** to exaggerate expectation when using terms like *intelligence*, *learning* etc. together with high-tech and the goal to "be heard"?

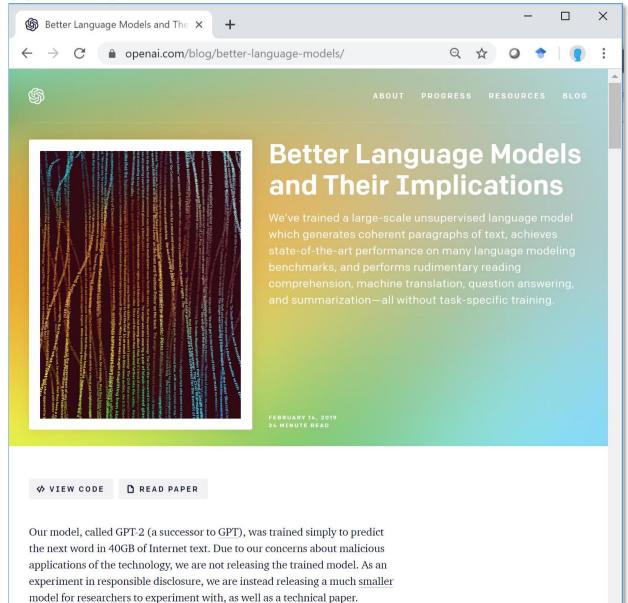


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A more explicit problem of PR and com:



Discussion starters on the relationship of pattern recognition & communications



- Implicit relation: pattern recognition research creates a lot of amazing results
 → communicating them to a general public without creating hype is hard
- **Explicit relation**: machine-based language models recently reached production strength \rightarrow how do **strong language models** affect communication (fake comments etc.)?





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- → Happy to answer questions & requests.

