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## Computational intelligence & modeling of crop disease data in Africa

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# Stellingen

behorende bij het proefschrift

## Computational intelligence & modeling of crop disease data in Africa

van

Godliver Owomugisha

1. Machine learning has proven useful in the automation of decision making processes and can compensate for a lack of human experts in the developing world.
2. Spectral data analysis outperforms image data in detecting crop disease at an early stage.
3. GMLVQ offers superior performance both for classification and feature selection and helps to identify relevant spectral bands for disease prediction.
4. This research leads us from the use of high-end spectrometry device to a low-cost 3-D printed smartphone add-on spectrometer for diagnosis of crop diseases prior to visible symptoms.
5. When you are a child you learn there are three dimensions: height, width and depth. Like a shoebox. Then later you hear there is a fourth dimension which is time. Then some say there can be five, six, seven and so on.

- Lali A. Love

6. In this thesis, we meet “multi-dimension” thus, dimensionality reduction became a key.
7. Faith don't make it easy, Faith make it possible.

- Steve Harvey