

Re: Finding useful functions– part 1

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From: Wolf Kirchmeir (wwolfkir_at_sympatico.ca)

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Stargazer wrote:

> *Stephen Harris wrote:*

>

>> *Supervised learning means there are external constraints applied*

>> *to the processing of the network while it is processing which*

>> *influences the eventual output.*

>>

>> *Unsupervised learning means that the network does not receive*

>> *external inputs while it is processing. The processing works only*

>> *with the internal structure of the network, then produces output.*

>

>

> *Just a small observation here. In unsupervised learning, the network*

> *in fact receives external input (otherwise it would not do much). It*

> *does not receive a user–supplied output (training signals or training*

> *sets) with which to compare its own output in order to derive error*

> *correction. Supervised systems, on the other hand, receive this*

> *user–supplied sets, which is employed (usually) as an error correction*

> *to be back–fed (at least in traditional multilayer perceptrons).*

>

>

If that is the case, the supervised and unsupervised NNs must have different architectures. Or so it seems to me. In that case, supervised NNs must contain unsupervised sub–NNs. Or?