

Comparing to human-level performance

Surpassing humanlevel performance

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One human

Training error

Dev error

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1. There are 2 problems here:

(1) We don't know if we should
focus on I bias or I Variance
focus on I bias or I Variance
focus on What to I bias, we
don't know what to use as
don't know what to use as
Reference, we're already crossed
Reference, we're already crossed
                                             human => Any Advice given by
    0.3%
                                            human which is deployed into
                                            the model will make the model
                                              worse from current state.
     0.4%
Variance = 0° 1%.

-cart comment on bias
Why? you've crossed the proxy Bayes
 => Bayes was not 0.5%, so is it 0,01% or 0.2% or
```

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Problems where ML significantly surpasses human-level performance

- Online advertising
- Product recommendations
- Logistics (predicting transit time)
- Loan approvals
 - All these problems are learning from
 Structured data
 There is lot of data available for each of these problems
 None of these problems are based on natural perception
 (which humans are very good at)

Some natural perception

problems have also

parsed humans

(1) speech Recognition

2) Some Medical diagnosis