Introduction

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Statistics and Machine Learning Interface Meeting

23rd July 2009

Outline



- Bring together researchers from statistics and machine learning on a focussed topic.
 - Multiple output Gaussian processes.
- Our objective:
 - Move beyond cultural and language barriers to find a shared set of common goals.
 - Also known as "becoming more like Star Trek".
- Why this topic?
 - Increasing interest in multiple output kernels— also known as structured output kernels. Or multi-task kernels in Machine Learning.
 - Long history of study of approaches to generating these kernels in statistics.
- Aim is to have a further workshop at NIPS interfacing with the kernel learning community (regularization view point rather than GP viewpoint).

Future Goals

- BBC News Website This Morning
 - Artificial Brain "q10 years away".
- My hope:
 - Practical, efficient and effective approaches to multi-output GPs "at most 9 years away".

Some Scheduling and Other Details

- Unfortunately Dave Higdon couldn't make it.
- My talk has moved forward to compensate.
 - Lots of discussion scheduled: informal atmosphere encouraged.
- Feel free to be controversial and try not to get offended!