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# Supervised Machine Learning

*Thursday 15 October 2015 09:00 (20 minutes)*

Given the amount of inline data generated, large volume hard-drive manufacturing is an appropriate environment to employ contemporary 'Big Data' techniques. It can be used to generate a feedback loop, as well as a feed-forward path. The feedback loop helps fix what is broken. The feed-forward path can be used to predict drive health.

In this presentation, I will focus on some work we have started at Western Digital - using Supervised Machine Learning techniques to predict the health of a hard drive and develop a hierarchy of "health grades". As the technique matures, this could fundamentally influence the manufacturing environment as well as WD's customer engagement.

## Length of presentation (max. 20 minutes)

20

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