8: Machine Learning

***Section Description (from the outline):*** Describe what this section intends to cover- decided during outline discussion.

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| **Metadata**: Spot the problem, highlight it, and design the solution in 3 core steps  (To be covered in the video) |

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| **Video Number** | **Video Title** | **Problem / Solution (Not more than 50 words)** | **Step 1 (Not more than 10 words)** | **Step 2(Not more than 10 words)** | **Step 3(Not more than 10 words)** |
| 8.1 | Intro to Machine Learning | Machine Learning has become the standard in data analysis today. ElasticSearch 5.5 introduced an turnkey Machine Learning integration which adds substantial power to data analysis. | Learn what is Machine Learning | Understand different types of Machine Learning | Learn steps for Machine Learning in ElasticSearch |

Metadata for Section 8

Section Description (from the outline): Here we cover Machine Learning and how Machine Learning is implemented in ES

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| **Metadata**: Spot the problem, highlight it, and design the solution in 3 core steps  (To be covered in the video) |

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| **Video Number** | **Video Title** | **Problem / Solution (Not more than 50 words)** | **Step 1 (Not more than 10 words)** | **Step 2(Not more than 10 words)** | **Step 3(Not more than 10 words)** |
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| 8.2 | Machine Learning in ElasticSearch | To implement Machine Learning in ElasticSearch it is important to understand exactly how to the interface with one another. | View steps to prepare data for Machine Learning example | Learn pattern to feed data after model generated | Review data used in example |
| 8.3 | Machine Learning Walkthrough | As experience is the best teacher, the most effective way to learn how to implement machine learning in ElasticSearch is to do it | Learn steps in building an unsupervised learning model | Understand how to evaluate model | Learn to set time period and feed data to model |