

ABS Digital 101 Training



Location TBD

Instructor: Subrat Nanda, ABS Chief Data Scientist

Course Description: This training will provide an overview of the ABS Condition-Based Class initiative and an understanding of how Artificial Intelligence and Machine Learning technologies are being applied. We will learn about different types of data being captured on modern vessels and how it is used. We will also discuss data quality and its importance.

Date TBD

AGENDA ITEM

0.5 hr	Introduction and Overview of the Condition-Based Class Initiative
1 hr	Value of Data and Data Quality <i>We will discuss the multiple types of data collected from an operating vessel, their inter-connections and how we can use them for understanding fleet data and performance. We will talk about the differences between transactional and sensor data types, and what role they play in our analysis. Finally, we will talk about data quality, using examples from MSC data, and discuss its importance, impact on analysis and some recommendations on improving the overall data quality.</i>
15 min	BREAK
45 min	Data Science Methods and Tools <i>In this section, we will provide an introduction to the basics of Artificial Intelligence and Machine Learning methods and where this technology is moving. We will talk briefly about the different disciplines under the umbrella of AI are and how they interact.</i>
15 min	BREAK
45 min	Current application with MSC and initial key findings <i>In this section, we will discuss MSC specific applications using the above and the current status of various analysis development.</i>