

Challenges in Machine Learning Data, Data, Data



More innovation will come as more data is available:

Customs data is information from inspection equipment and databases

- Capturing all data through a central platform facilitates algorithm application and machine learning
- Learning' requires a human feedback loop

Centralized Image Analysis



More data = better decisions

Combining data and image interpretation delivered to analysts at the remote center provides the 'whole picture' to an adjudication:

Algorithm application

Management and reporting

Ongoing skills assessment

Ongoing Training



Critical components of operational excellence

Image analysts remain critical to finding threats and contraband in a changing environment

In the remote center the centralizing platform should be monitoring and reporting on analyst's skills

The analyst's adjudications should be contributing to the risk engine

Fundamentals of a Data-Centric Inspection Operation























Key Takeaways







Data capture is critical to unleashing the power of technology

Data is crucial when adjudicating from a remote location

Machines can augment, but skilled human adjudication is valuable and needed

