How might we elevate XES to a level that reduces time-to-insight significantly?
Challenges - Why Should Vendors Adopt XES?
Challenges - Root Causes

Limited Industry Adoption

Limited Use-Case Benefit
- No Support for Object-Oriented Mining
- Lack of relations between domain objects
- Missing ability to link different process hierarchies

Tech Limitations
- XML format is inefficient to store and process
- Schema needs to be inferred from the data
- No reference implementation and OSS community

Missing Semantics Layer
- Event Semantics
- Handover definitions
- Attribute types
Use decisions trees to **recommend actions** for insights based on the insights generated by the semantics layer. Enhance semantic insights by comparing it to anonymized benchmark data.

Add **meaningful semantics** to attributes and events to establish features for ML use-cases. Leverages Metrics and PPIs with thresholds to **model desired business outcomes**.

**Model** business objects and their relations in order to compose event logs and support object oriented mining approaches as well as multi-level event logs.

**Separate serialization formats from the meta data layers** above in order to optimize storage and processing efficiency. Leverage existing **vibrant eco-systems** around leading formats.
Additional Use-cases - Link XES 2.0 to BPMN 2.0

Conformance

Simulation