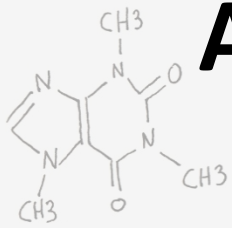




AI FOR THE LIVING INDUSTRIES

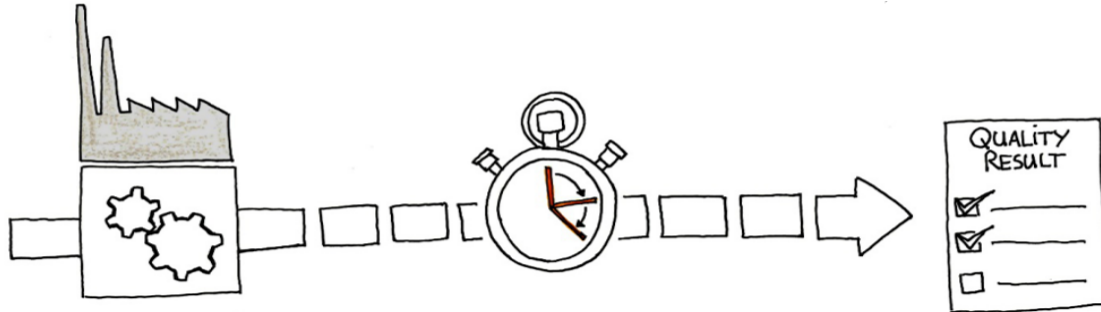
FEEDBACK FROM THE FACTORIES



IMPROVE PRODUCTION EFFICIENCY FOR **INDUSTRIAL** **ROCESSES** & **EQUIPEMENTS** WITH **ARTIFICIAL INTELLIGENCE**

Long, complex and highly non-linear processes

Input and energy overconsumption, longer production time



ABOUT DATASWATI

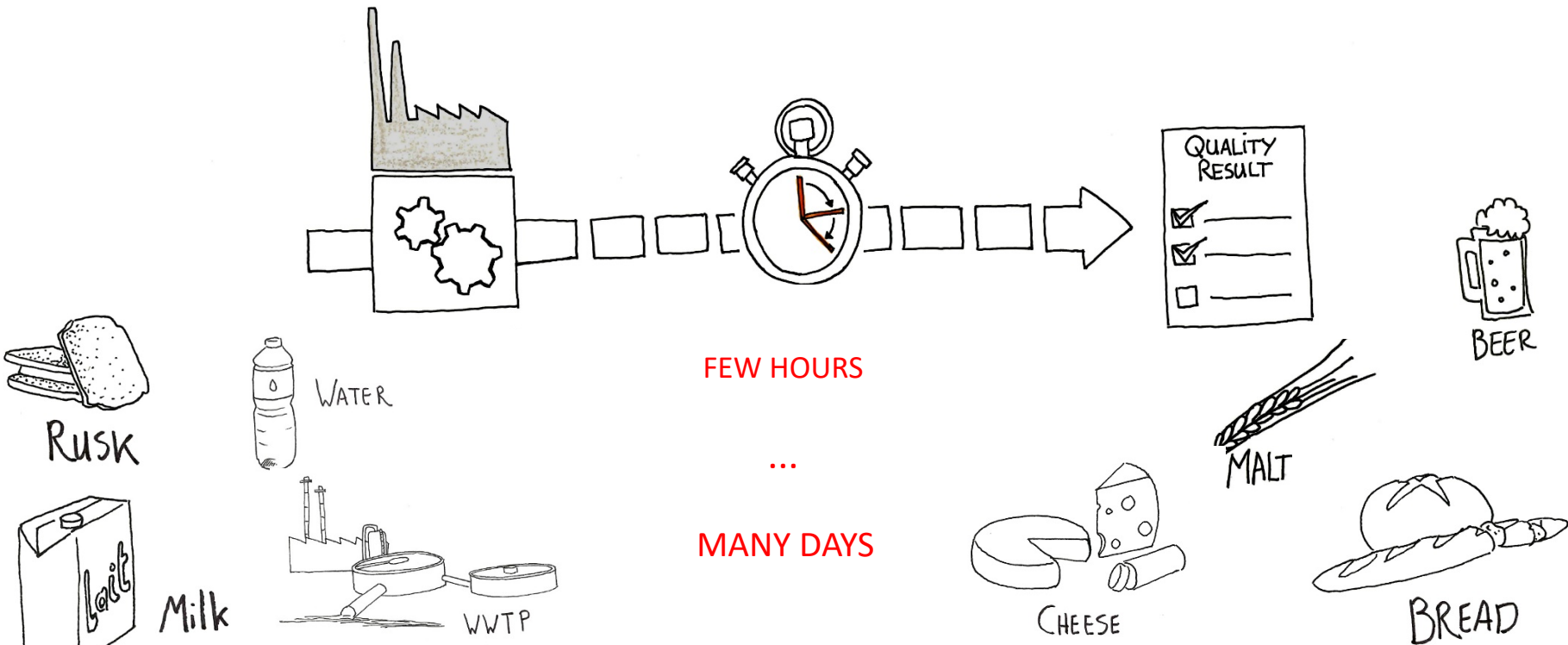
Capture process from Data



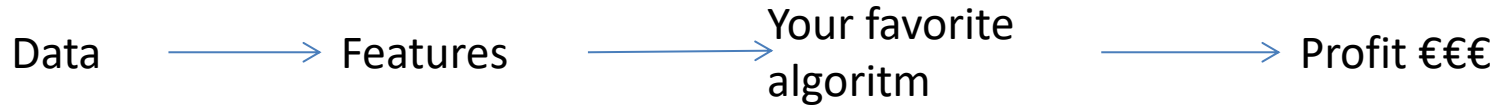
Monitor & Predict the overall process



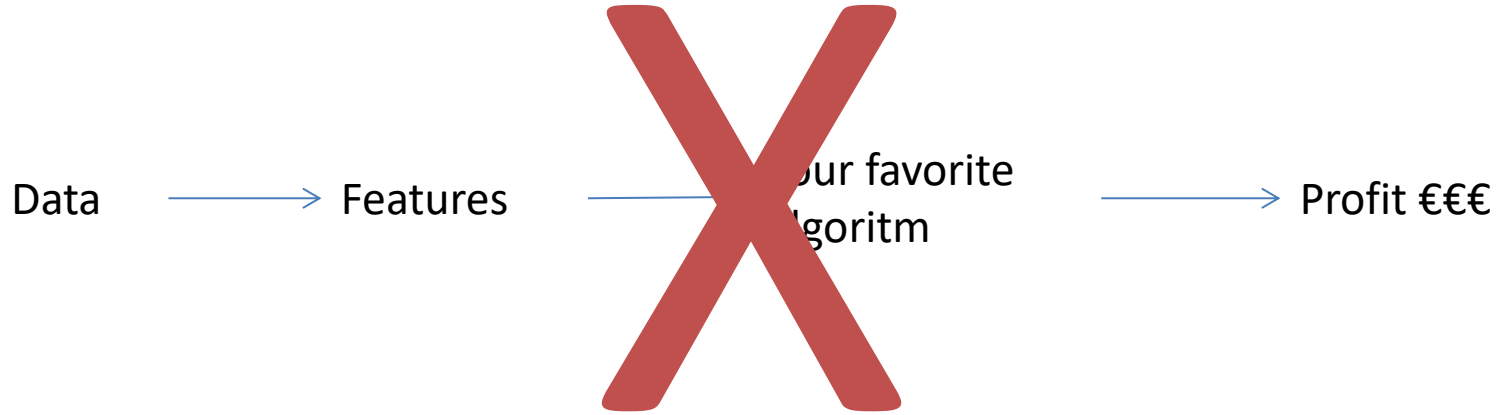
Explain & Recommend



ABOUT AI



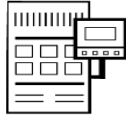
ABOUT AI



DEALING WITH REAL LIFE



TIME SERIES



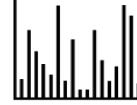
PLC/SCADA



HIGH FREQ
SENSORS



IMAGES



CHROMATO
DIFFRACTION
SPECTRO



METEO

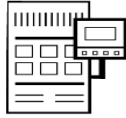


MEMORY &
INERTIA

DEALING WITH REAL LIFE



TIME SERIES



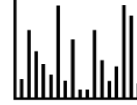
PLC/SCADA



HIGH FREQ
SENSORS



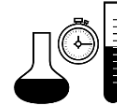
IMAGES



CHROMATO
DIFFRACTION
SPECTRO



METEO



MEMORY &
INERTIA

LOW VOLUMES

STRONG VARIABILITY

UNSTRUCTURED DATA

BIASED DATA

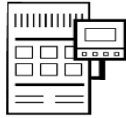
UNBALANCED DATA

UNLABELLED DATA

DEALING WITH REAL LIFE



TIME SERIES



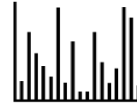
PLC/SCADA



HIGH FREQ
SENSORS



IMAGES



CHROMATO
DIFFRACTION
SPECTRO



METEO



MEMORY &
INERTIA

LOW VOLUMES

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UNSTRUCTURED DATA

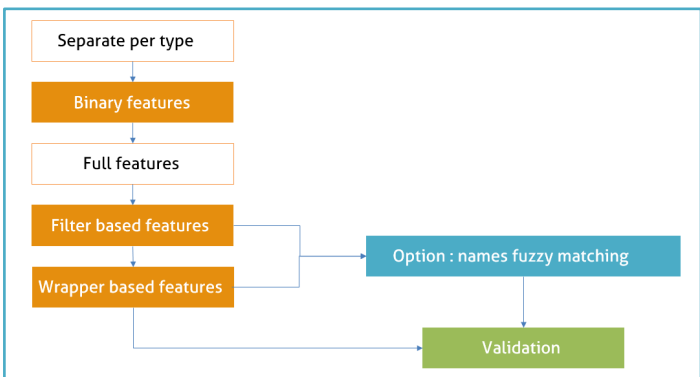
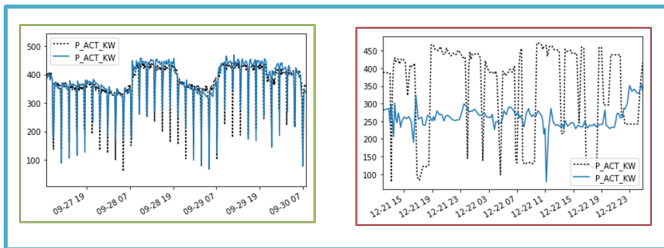
UNLABELLED DATA

DIFFERENT DATA SOURCES TO ALIGN AND CONSOLIDATE

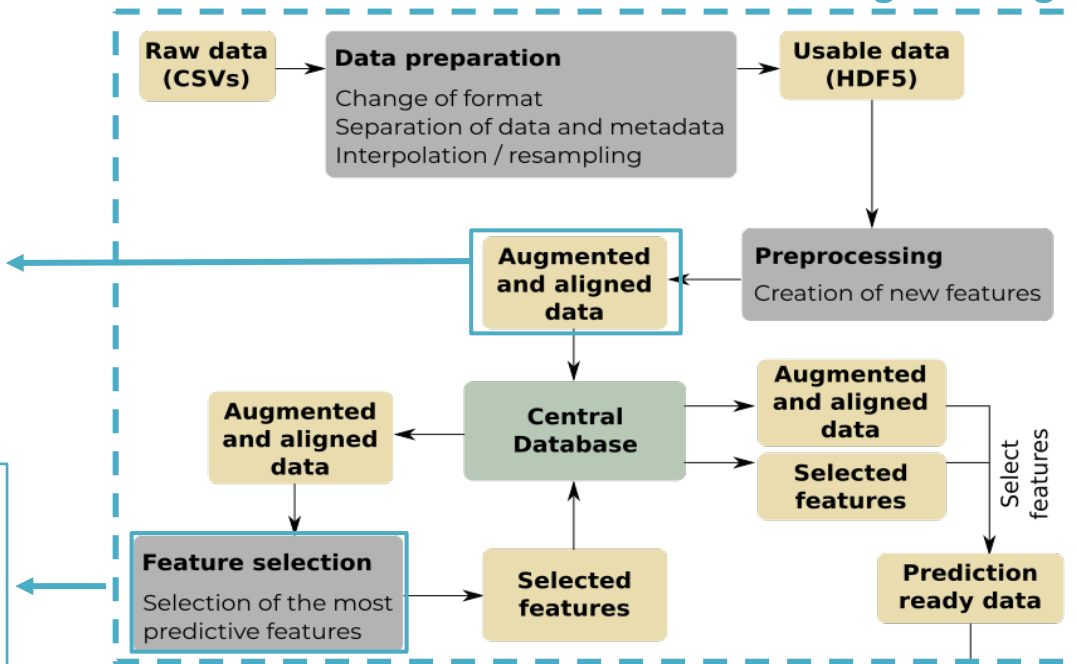
BUSINESS CONSTRAINT : SCALABLE & AGNOSTIC SOLUTION

COMPLEX DATA PROCESSING PIPELINES

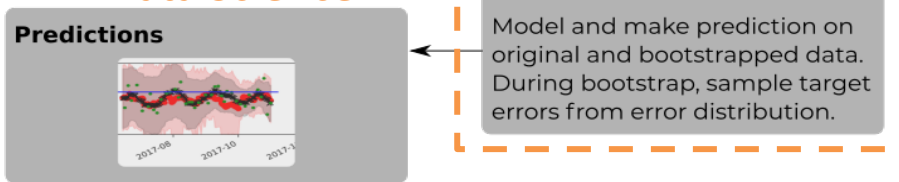
Aligning Energy and Equipments using predictive models



Data Engineering



Data Science



LEVERAGE DEEP LEARNING & TRANSFER LEARNING



COCO dataset :
common objects in context

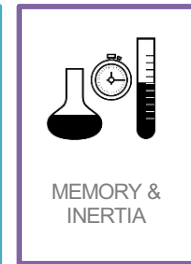
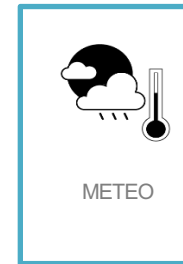
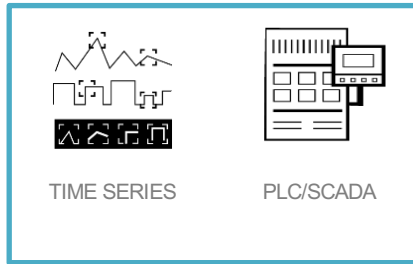


Transfer Learning



Insect monitoring

HYBRID AI & SOTA TO DEAL WITH COMPLEXITY



SEMI-SUPERVISED &
ACTIVE LEARNING

FEATURES ENGINEERING &
REPRESENTATION LEARNING

TRANSFER LEARNING,
DOMAIN ADAPTATION

METRIC LEARNING

HYBRID ML & DL

DEEP LEARNING

HYBRID ML & DL

Be open-minded
Keep track of State of the Art