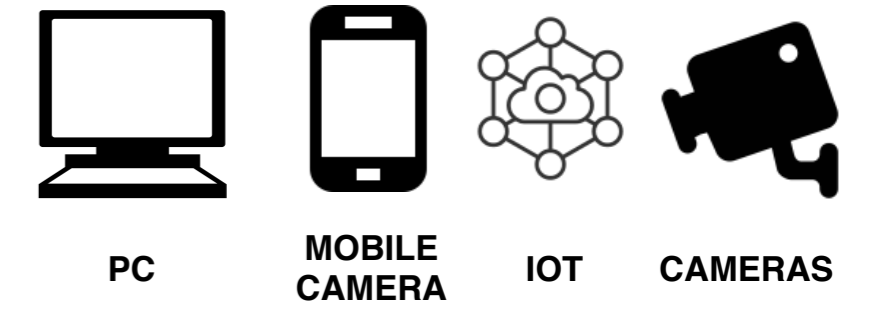


The eyes of AI.

AI's window into our world are the data streams we give it access to. It is up to us to choose meaningful, relevant sources.



PC MOBILE CAMERA IOT CAMERAS

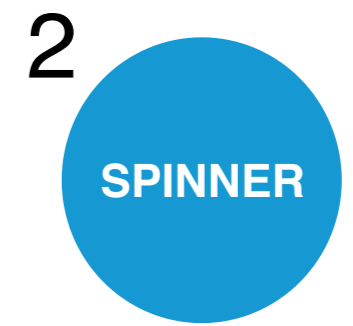
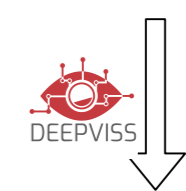
DATA STREAMS



- (PIPELINES)
- LATENCY
 - REPLAYABILITY
 - CHUNKING / BLOCKS
 - SHARDING / TOPICS
 - /LABELS
 - ENCRYPTION
 - AUTHENTICITY

Trust and Integrity.

One of the core pillars on any intelligent system is to have an uncompromising definition of the truths that it is pursuant of, more than of the truths that it already posses.



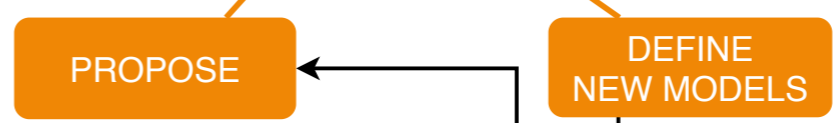
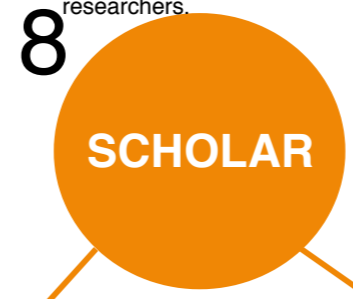
Keeping the human touch.

Machines won't do what we expect if we can't answer their questions when they don't know or correct them when they're wrong.



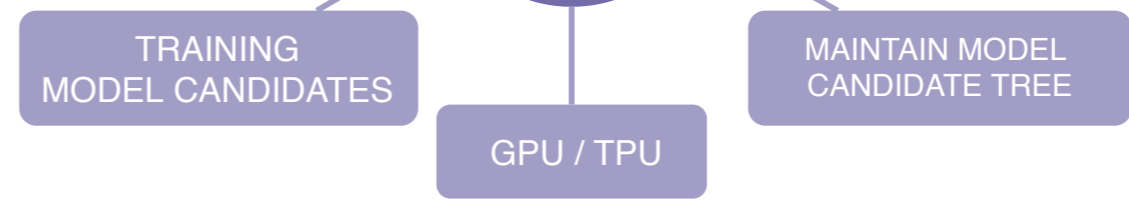
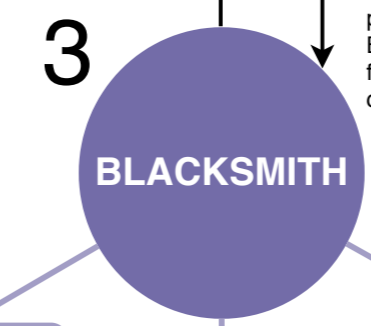
Researchers unite.

Model designs are proposed, publicly or privately, by researchers.



Breathing the fire of intuition into the metal of the machine

Machine learning is about allowing algorithms the freedom to pursue better solutions by tuning their own algorithms in pursuit of a defined purpose. Blacksmith allow algorithms the fire breeding ground for developing intuition.



TAGGED BLOCKS, SHARDS

Seal of Quality.

In order to allow high-value, critical business processes to depend on the functioning of machine learning algorithms their behaviour needs to be further tested on validation datasets that are guaranteed to be impartial, unbiased and unused in the training process.

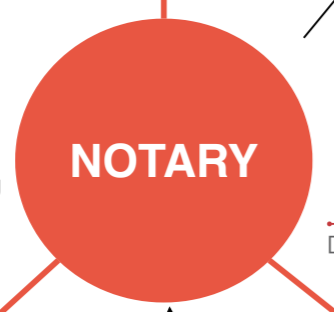
Additionally, robustness, resilience to noise, encoding artefacts and other real-world imperfections is crucial to offering 360-visibility on the quality of your machine learning



Seal of Quality

In order to allow high-value, critical business processes to depend on the functioning of machine learning algorithms their behaviour needs to be further tested on validation datasets that are guaranteed to be impartial, unbiased and unused in the training process.

CERTIFY (ACCURACY, PERFORMANCE, ROBUSTNESS)



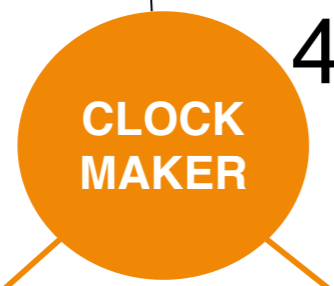
STANDARDS, QUALITY

EVALUATE & PROMOTE

Assembling the machine

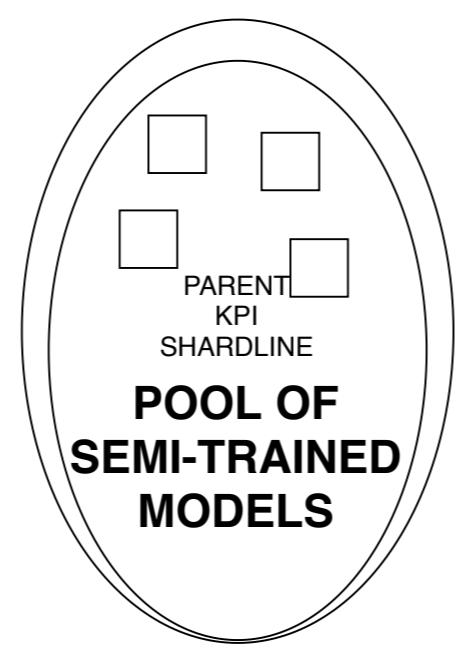
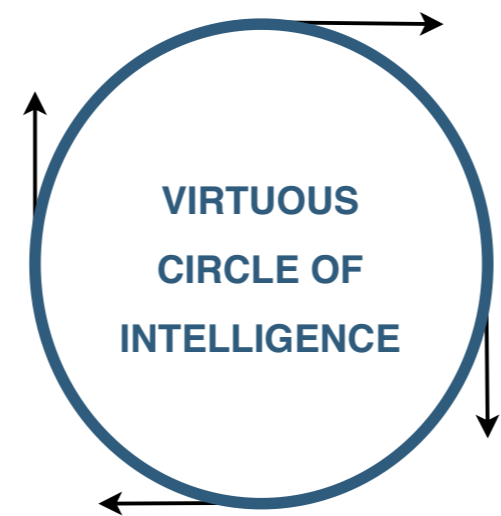
Real world functionality is often reliant upon several machine learning algorithms sharing inputs, embeddings, higher-order representations and states.

Also, at this stage, the weights of several versions of the same machine learning models, trained on different data blocks, can be merged, while only having visibility to a (disjoint) set of validation data.



EVALUATES ON BLOCKS, SHARDLINE

MIXES WEIGHTS OF SEMI-TRAINED MODELS



QA for ML

DEV for ML