

<div><div>Data curation</div><div></div><div><p>Which cleaning operations are necessary?</p><p>How can the data be annotated?</p><p>How can subject matter experts (SMEs) contribute their domain expertise?</p><p>How can quick iteration on data be facilitated in the project?</p><p>How can standardized processes for model evaluation/data analysis look like?</p><p>Which tools can support data curation efforts?</p><p>Which are implications on infrastructure and project setup do the above points have?</p></div></div>	<div><div>Problem Classes</div><div></div><div><p>Which tasks have to be solved by the ML algorithm?</p><p>How can the user problem translated into a ML-task?</p><p>Which performance does ech formulation enable?</p><p>How does each problem formulation integrate in the overall system? What are the implications?</p><p>Which metrics can be used to evaluate the system's performance?</p></div></div>	<div><div>User Interaction</div><div></div><div><p>Which interaction is the user currently used to?</p><p>How does the user interact with the new system?</p><p>Which parts are automated, which require use feedback?</p><p>How is the interactions performance measured?</p><p>Which performance requirements derive from the workflow?</p><p>Are there interactions that reduce the performance requirements?</p></div></div>	<div><div>Operations</div><div></div><div><p>Which internal/external regulations apply to the solution?</p><p>Which processes have to be run through to productionize a system e.g. software security assessment?</p><p>Which stakeholders are necessary to uphold the operation of the system?</p><p>What kind of maintenance is needed for iinfrastructure and application layer?</p><p>How often does the model have to be up dated? How much effort is involved?</p><p>Which metrics have to be monitored to detect data drift and system performance decline?</p><p>What is done in case of the system's performance declining?</p></div></div>	
	<div><div>Methods</div><div></div><div><p>Which ML methods could be used?</p><p>Which tools/models/data support the use case?</p><p>Which ML methods probably fit best on use case characteristics such as structured/unstructured nature of data?</p><p>What implications do algorithm choices have on factors such as required data quantity and explainability.</p><p>Which are possible training strategies (e.g. synthetic data, pre-training, self-supervision)?</p><p>What is the basic solution? Which methods might give better performance?</p></div></div>	<div><div>Value Propositions</div><div></div><div><p>What are tasks the user has to fulfil?</p><p>What are the main pain points of the user the solution addresses?</p><p>What gains can a user get from the solution?</p><p>What is the benefit for the business process?</p><p>What key competitive advantage can be generated? If not, can you buy a solution?</p><p>How can the business value be measured?</p></div></div>	<div><div>Integration</div><div></div><div><p>How does the solution integrate into the current workflow?</p><p>How does it integrate into the application layer?</p><p>Can your solution run on existing infrastructure? Are there additional requirements?</p></div></div>	
<div><div>Data Sources</div><div></div><div><p>Which data sources are available?</p><p>Which data formats are essential?</p><p>Are the proprietary data formats?</p><p>How is the data stored, and how can it be accessed?</p><p>Is there a big difference between acquiring historical data and real-time data?</p></div></div>	<div><div>Resources</div><div></div><div><p>What will the project cost?</p><p>Are there preliminary variants that already bring value and cost less than a fully-fledged solution?</p><p>What is the infrastructure cost for setup and maintenance?</p><p>Are the specific requirements regarding existing infrastructure to build on?</p><p>Which roles are available to support system development and operation?</p><p>Who are important decision makers regarding budget and technical operations?</p></div></div>			