











<b>PREDICTION TASK</b>  Type of task? Entity on which predictions are made? Possible outcomes? Wait time before observation?	<b>DECISIONS</b>  How are predictions turned into proposed value for the end-user? Mention parameters of the process / application that does that.	<b>VALUE PROPOSITION</b>  Who is the end-user? What are their objectives? How will they benefit from the ML system? Mention workflow/interfaces.	<b>DATA COLLECTION</b>  Strategy for initial train set & continuous update. Mention collection rate, holdout on production entities, cost/constraints to observe outcomes.	<b>DATA SOURCES</b>  Where can we get (raw) information on entities and observed outcomes? Mention database tables, API methods, websites to scrape, etc.
<b>IMPACT SIMULATION</b>  Can models be deployed? Which test data to assess performance? Cost/gain values for (in)correct decisions? <u>Fairness constraint</u> ?	<b>MAKING PREDICTIONS</b>  When do we make real-time / batch pred.? Time available for this + featurization + post-processing? Compute target?		<b>BUILDING MODELS</b>  How many prod models are needed? When would we update? Time available for this (including featurization and analysis)?	<b>FEATURES</b>  Input representations available at prediction time, extracted from raw data sources.
<b>MONITORING</b>  Metrics to quantify value creation and measure the ML system's impact in production (on end-users and business)?				

## Ready for the next step?

### Check out the ML Project Checklist!

Lead ML implementation with confidence with the CRISP—OWNML methodology (*Cross-Industry Standard Process to create your own Machine Learning system*) and its checklist. End-to-end ML projects are broken down into **9 phases of 4-5 tasks each**.

The checklist serves as a roadmap, listing in detail what you need to do, and in which order, so you can minimize risks and **make the most efficient use of your (and your team's) time**.

Learn more at [ownml.co/checklist](https://ownml.co/checklist)

**CRISP—OWNML (0.1-beta)**

	TASKS	NOTES
4. BUILD MODEL	1. IDEATE	
5. ANALYZE	2. PREPARE DATA	
6. SHADOW-DEPLOY	3. EVALUATE	

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