

Machine Learning Canvas

	Predictions	Objectives	Data
IDEA	<div>Context</div> <div>Who will use the predictive system / who will be affected by it? Provide some background.</div> <div></div>	<div>Value Proposition</div> <div>What are we trying to do? E.g. spend less time on X, increase Y...</div> <div></div>	<div>Data Sources</div> <div>Where do/can we get data from? (internal database, 3rd party API, etc.)</div> <div></div>
	<div>Problem</div> <div>Question to predict answers to (in plain English)</div> <div></div> <div>Input (i.e. question "parameter")</div> <div>CSV-</div> <div>Possible outputs (i.e. "answers")</div> <div>Yes or No</div> <div>Type of problem (e.g. classification, regression, recommendation...)</div> <div></div> <div>Baseline</div> <div>What is an alternative way of making predictions (e.g. manual rules based on feature values)?</div> <div></div>	<div>Performance evaluation</div> <div>Domain-specific / bottom-line metrics for monitoring performance in production</div> <div>-</div> <div>-</div> <div>-</div> <div>Prediction accuracy metrics (e.g. MSE if regression; % accuracy, #FP for classification)</div> <div>precision</div> <div>recall</div> <div>f-score</div> <div></div> <div>Offline performance evaluation method (e.g. cross-validation or simple training/test split)</div> <div></div>	<div>Dataset</div> <div>How do we collect data (inputs and outputs)? How many data points?</div> <div>inputs: csv-</div> <div>outputs:</div> <div>(</div> <div>)</div> <div>Features</div> <div>Used to represent inputs and extracted from data sources above. Group by types and mention key features if too many to list all.</div> <div></div>
SPECS			
DEPLOYMENT	<div>Using predictions</div> <div>When do we make predictions and how many?</div> <div>(1 - 50)</div> <div></div> <div>What is the time constraint for making those predictions?</div> <div>1 (real-time)</div> <div>How do we use predictions and confidence values?</div> <div></div>	<div>Learning predictive models</div> <div>When do we create/update models? With which data / how much?</div> <div>(~4 .)</div> <div></div> <div>What is the time constraint for creating a model?</div> <div>6</div> <div>Criteria for deploying model (e.g. minimum performance value — absolute, relative to baseline or to previous model)</div> <div>- recall > 0.98, precision > 0.95</div> <div>- recall , precision -</div>	

Reset Form

Machine Learning Canvas v0.1

[Louis Dorard](#) © 2015. All rights reserved. Please reference machinelearningcanvas.com by linking to it if you use the canvas.