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