

Retrospective Document

Sprint-<2>

Work & Test Progress

List the milestones planned for this sprint along with their completion percentages.
(Please do not list the details of workpackages/tasks.)

# of Milestone	Name of Milestone	Completion Percentages
1	Expanding ML algorithms library	100%
2	Implementing meta-learning module	85%
3	ML algorithms and web interface integration	85%

List the tests finalized as part of the milestones planned for this sprint.

- Test1: Random model generator implementation to show the existence and usability of new ML algorithms.
- Test2: Analysis results of a learning problem for meta-learning module.
- Test3: Evaluation results of a learning model for meta-learning module.
- Test4: Cross check db results with application output.
- Test5: Session time logs are compared with real values.
- Test 6: Statistics results from database.
- Test7: Sample table contents are checked with the real values.

Team Progress

List the team members along with their contribution percentages.

Team member	Contribution Percentage
Mustafa Orkun Acar	25%
Sertaç Kağan Aydın	25%
Yaşar Berk Arı	25%
Merve Bozo	25%

Left-overs (Backlog)

List the milestone(s) that could not be 100% completed in this sprint. Give your reasons for the incomplete milestone(s).

- *Implementing meta-learning module:* This milestone required more time than we initially estimated. It was particularly a comprehensive milestone and it is the core component of our ML-engine. All the subparts of this milestone are completed but we needed a few days to merge them as a single working component.
- *ML algorithms and web interface integration:* This milestone is almost completed but only one task which is to trigger spark module from service manager module is delayed because we were not able to decide on whether to push parameters to spark or read it from database. Finally we decided on passing parameter but still working on what would be the shell script is and how to pass parameters.

Next Sprint

List the milestone(s) that will be targeted in the next sprint.

- *Training of meta-learner on the meta-data and ranking&selection of the best method*
- *Feature construction module implementation and integration to the system*
- *Services and interfaces for user to retrieve the data that is worked on by ml algorithms*

Comments

Your comments (if any) regarding to this completed sprint.

- *Although we created a medium-sized machine on an Azure account (with limited availability), we still need a machine having higher computational power to run our application with big data in reasonable time.*
- *We think that we need to be better at estimating duration of tasks.*

Assistant's Evaluation

Assistant's (Team Leader's) comments regarding to this completed sprint.

Supervisors's Evaluation

Supervisor's (Team Leader's) comments regarding to this completed sprint.