

Zeshawn Shaheen
Supported Projects: PCMDI, ACME

Quarterly Report for October 1, 2016 – December 31, 2016

Quarter Accomplishments:

- PCMDI
 - Met with Peter and Jerome to discuss features they wanted and tweaks to the new version on PMP using CDP. (October 2016)
 - Added ability for standardized command line arguments for the driver for PMP. (November 2016)
 - New version of PMP, which uses CDP, is done and just pending for someone to accept the pull request. Updated unit tests as well to match the new JSON format. (December 2016)

- ACME
 - Began work on refactoring uvcmetrics, with plot set 5 almost done. (December 2016)
 - Setup weekly meetings regarding ACME diagnostics with Chris, Jill and probably Jim, Jeff and Jerry. (December 2016)

- CDP
 - Released v1.0.0 of CDP, which was the initial release. Had the standards for the driver, parameter, tool, metrics and more. (October 2016)
 - Released v.1.0.1 of CDP, which added support for command line parsing. (November 2016)

- Miscellaneous
 - Auto uploading to Anaconda from Travis for projects on Github. Wrote instructions on how to do this for others in the team to use seen here:
<https://gist.github.com/zshaheen/fe76d1507839ed6fbfbccef6b9c13ed9> (November 2016)
 - Co-author on the Community Machine Learning whitepaper. (December 2016)

Next Quarter's Roadmap

- Make progress on ACME diagnostics, since Chris says we should have something to show on the ACME meeting sometime in June. (March 2017)
- Continue to make progress on implementing CDP features. These include the new metrics design, provenance, and parallelization. (January 2017-March 2017)

- Will probably need to work on more features for PMP, this includes model-to-model and observation-to-observation comparison. (January 2017-March 2017)

Resources Required to Achieve Goals

- Time to somehow figure out how uvcmetrics works.