

Statements of Individual Contributions

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October 23, 2017

Abstract

This document details the individual contributions of each group member to the outcome of the group project, benchmarking A2 algorithm with the COCO platform. It also includes an anti-plagiarism phrase that needs to be signed by every group member.

1 Individual Contributions to the Group

1.1 First version of the algorithm

1.1.1 Eden Belouadah

- First basic implementation of the algorithm,
- Writing the paper except the paragraph of comparison between AII and the 2 other algorithms.

1.1.2 Mohamed Ali DARGHOUTH

- First implementation of the algorithm,
- Comparison with the BFGS and BIPOP-CMA-ES algorithms.

1.1.3 Amine Biad

- Comparison with the BFGS and BIPOP-CMA-ES algorithms.

1.1.4 Taycir Yahmed

- Implementation of the final version of the algorithm and hyper-parameters tuning
- Writing the user guide (cf. the Github repo)
- Testing the algorithm on different machines and benchmarking the final results

1.1.5 Ghiles Sidi Said

- Improve some parts of the code.
- Provide a virtual machine in the cloud for testing purposes.
- Comparison with the BFGS and BIPOP-CMA-ES algorithms.

1.2 Second (and final) version of the algorithm

1.2.1 Eden Belouadah

- Re-writting all the paper including the comparison between the algorithms.

1.2.2 Mohamed Ali DARGHOUTH

- Correcting some mistakes in parameters initialization.

1.2.3 Taycir Yahmed

- Testing the algorithm and benchmarking the final results

1.2.4 Ghiles Sidi Said

- Correcting the algorithm's mistakes.

2 Anti-Plagiarism Statement

All group work, be it the source code, the documentation, the report, the presentation, or any other contribution have been solely written by the group members or corresponding reused parts have been cited accordingly. We, the group members, confirm herewith as well that we all have read and understood the "What is plagiarism" page of <http://www.plagiarism.org/plagiarism-101/what-is-plagiarism/>.

We hereby declare that the above statement is true to the best of our knowledge and belief: Eden Belouadah, Taycir Yahmed, Mohamed Ali Darghouth, Ghiles Sidi Said, Amine Biad.