

# README

Our submission items are organized as follows.

1. **Main Document:** our algorithm paper.
2. **Algorithm:** a zip file that contains:
  - **Algorithm Implementation** in the directory `source`. This directory also contains a Unix-style `makefile` for installing R, installing package dependencies, and building our package from the source code. Our package can also be installed directly from [CRAN](#).
  - **Example Driver** in the directory `example_driver`, which contains `example.R` and a model set of results, `example.pdf`.
  - **Testing Material** in the directory `testing_material`, which contains `test.R` and four `.Rout` files containing the expected results for two different settings ( $p = 10$  and  $p = 25$ ), each run on Windows and Linux. Since the Linux results were run on a virtual machine, the runtimes in the Windows results are more representative.
  - **Documentation** in the file `docs.pdf`.
  - All scripts necessary for reproducing all results and analysis presented in our paper in the directory `simulation_study`. `.sh` scripts are used to run experiments. Results of experiments are stored in a series of `.Rda` files. Results are extracted and aggregated using the script `analysis.R`.
3. **Supplemental Files:** a zip file containing three documents:
  - `README.pdf`.
  - Evidence of **portability** in the file `portability.pdf`.
  - The previous work on which our package is based in the file `graph_learning.pdf`. This manuscript is currently under review.