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An open source scientific article

First Author

ABSTRACT

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1. INTRODUCTION

Figure 1 is an example of a figure that depends on the output of an expensive computation. In general, if a computation takes more than a few tens of minutes to run, you probably don't want to run it on GitHub Actions. To help in these cases, `showyourwork` makes it easy to switch between running the computation and uploading the output to Zenodo (when running locally) and downloading the output from Zenodo (when running on GitHub Actions). To set this up, simply specify the dataset(s) your figure script depends on in the top-level `showyourwork.yml` config file, along with a shell command to generate it and metadata for the Zenodo deposit.

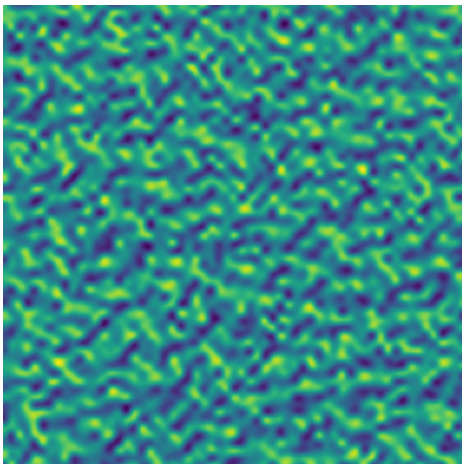

Figure 1. A sample figure generated from the output of a very expensive simulation. When running locally, the output is generated and uploaded to Zenodo; when running on the cloud, the output is downloaded from Zenodo. In addition to the usual GitHub icon in the margin of this caption, we also see an icon linking to the Zenodo record for the dataset, generated automatically by `showyourwork`.