

An open source scientific article

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ABSTRACT

This is a sample open source scientific article automatically generated using the **showyourwork** package. The icons in the right margin of the abstract link to the **GitHub** repository containing the source code and to the build logs for the workflow that generated this PDF on **GitHub Actions**.



1. INTRODUCTION

This article was automatically generated from a repository containing a TeX file, a **conda** environment file, some **Python** figure scripts, and a **Snakefile** with custom instructions for downloading external datasets. Edit the TeX file, figure scripts, and **Snakefile** as needed, and whenever you commit and push your changes to **GitHub**, this PDF will automatically regenerate on **GitHub Actions**. Please check out the **showyourwork** [repository](#) for more information.



Figure 3. A sample figure that was directly committed to the repository. Committing output isn't generally recommended, but for certain figure types (like photographs or flowcharts), it makes sense.

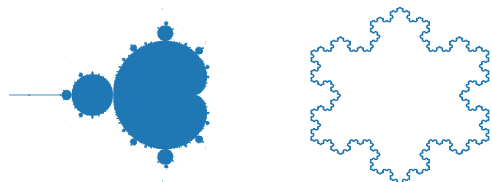


Figure 1. A sample plot with two subpanels. Both figures were generated from the same **Python** script in the **figures** directory. The name of the script is inferred from the figure label in the TeX file.

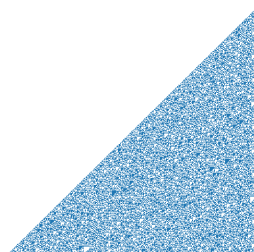


Figure 2. Another sample plot. This one was generated from a dataset hosted on Zenodo; the instructions for downloading this dataset are specified in the **Snakefile**.

