

# Cambridge Elements



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How to Submit Code Ocean  
for Cambridge Elements



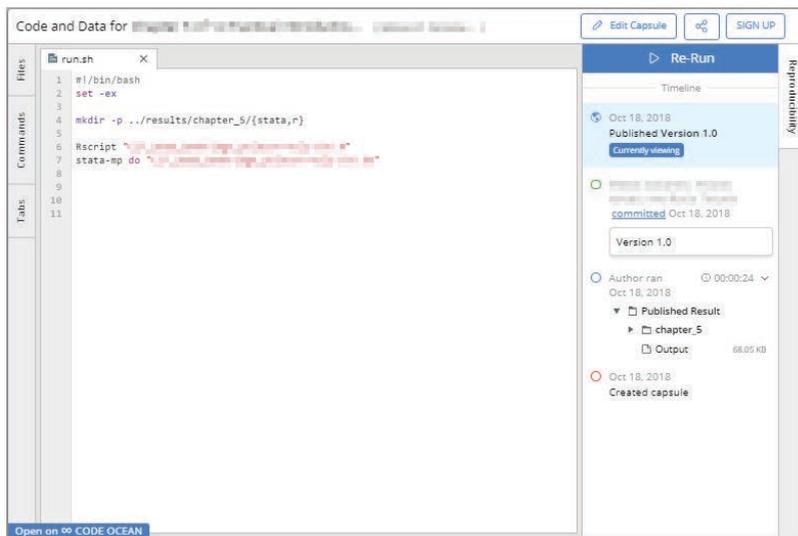
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## What is Code Ocean?

CodeOcean is a platform that enables authors to publish code and data files associated with their research under open licensing. Where it differs from a data repository – like Dataverse, Dryad or Zenodo – is that Code Ocean also enables readers to run and manipulate the code without downloading any software, as well as download and share it. It’s therefore a useful tool for engaging readers with code, as well as a way for authors to transparently demonstrate that the results presented in their article can be reproduced.

Code Ocean allows authors to publish the code associated with their research, making it citable and available on a platform that encourages users to interact with the code. An interactive window containing the code can be embedded in the author’s HTML publication on Cambridge Core.

It enables readers, including those who are not code experts, to interact with code – run the code and view the outputs, edit the code and change parameters, download and share the code – within their browser, without having to install software.



*Reader note: The Code Ocean capsule above contains the code to replicate the results of this Element. You can run the code and view the outputs, but in order to do so you will need to sign up on the Code Ocean site (or login if you have an existing Code Ocean account).*

*How the Code Ocean capsule will look to the reader.*

## Uploading and Publishing Code on Code Ocean

The best resource for authors getting started with Code Ocean is the Help guide, which contains text and video support for authors: <https://help.codeocean.com/getting-started>. There's also a live chat function.

To upload and publish code, an author needs to have registered for a Code Ocean account (consisting of a name / email / password).

Once logged in, an author can upload code by creating a new compute 'capsule' in the relevant software language.

After an author clicks 'publish' on Code Ocean, the code is not published straight away – there is a verification step, performed by the Code Ocean author support staff. Code Ocean work with authors to ensure that:

- The capsule is self-contained, with all necessary code and data to make it understandable (i.e. no obvious files missing)
- There are no extraneous files or dependencies
- The details (name, description, image) are clear and reflect the code's functionality

Code Ocean may be in touch with the author directly with any queries, but you can expect the code to publish within a couple of days of submission.

## Submitting your Code Ocean files to Cambridge

Include a placeholder statement in your manuscript confirming where the capsule should appear in the HTML, e.g. <INSERT CODE OCEAN CAPSULE HERE>, or provide clear written instructions on the placement directly to your Content Manager.

Provide a data availability statement at the end of your Element including the DOIs for each capsule included with this publication.

Send your Content Manager the DOIs and URL link to the capsules.

The DOI is located on the metadata tab:

