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Simon Adar’s PhD experience
1. Find the code
2. Acquire the right hardware
3. Set up the environment
4. Import the right files
5. Installing all dependencies...packages, versions, OS etc...
6. Errors.. Debugging.. Errors.. Debugging
7. Run
8. Results
After Code Ocean

Steps 1 to 6 are already configured, just press

Run

And see the results!

1. Find the code ✓
2. Acquire the right hardware ✓
3. Set up the environment ✓
4. Import the right files ✓
5. Installing all dependencies ✓
6. Errors.. Debugging.. Errors.. Debugging ✓
### GP_query_trueVar.py

```python
# Script to query a pre-trained gaussian process. Outputting the expected radius for a set of normalised points on the objects surface.

command line args:
- input filepath
- output filepath
- num_dimensions
- num_pts
- verbose

return codes:
0 success
1 invalid csv file dimensionality
2 file IO failure

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```
Reproducibility

Articles

Data and Code
Code Ocean Widget

Publisher’s platform and content

Plus Code Ocean’s technology

https://f1000research.com/articles/5-2103/v2
http://ieeexplore.ieee.org/document/6377228/algorithms
http://gigadb.org/dataset/100316
Why is it important?

Reproducibility
Code Ocean allows other researchers to run the code, to test for reproducible results, and also execute the code with new input values.

Impact
There is a positive correlation between the availability of code and software and the number of citations

Reuse
Allows users to run multiple versions of the algorithm augmenting the code or/and using alternative inputs.

Move beyond the pdf
Brings authors work alive in an executable environment and provides a new level of engagement to end users.
Thank you for your time

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