

davos: The Python package smuggler

Paxton C. Fitzpatrick, Jeremy R. Manning*

*Department of Psychological and Brain Sciences
Dartmouth College, Hanover, NH 03755*

Abstract

Keywords: Python, Jupyter Notebook, Google Colaboratory, Reproducibility, Package management, Pip install

*Corresponding author

Email address: `Jeremy.R.Manning@Dartmouth.edu` (Jeremy R. Manning)

Required Metadata

Current code version

Nr.	Code metadata description	Please fill in this column
C1	Current code version	v0.1.0
C2	Permanent link to code/repository used for this code version	https://github.com/ContextLab/davos
C3	Code Ocean compute capsule	
C4	Legal Code License	MIT
C5	Code versioning system used	git
C6	Software code languages, tools, and services used	Python, JavaScript, pip, IPython, Jupyter, Ipykernel, PyZMQ. Additional tools used for tests: pytest, Selenium, Requests, mypy, GitHub Actions
C7	Compilation requirements, operating environments & dependencies	Dependencies: Python \geq 3.6, packaging, setuptools. Supported OSes: MacOS, Linux, Unix-like. Supported IPython environments: Jupyter notebooks, JupyterLab, Google Colaboratory, Binder, IDE-based notebook editors.
C8	If available Link to developer documentation/manual	https://github.com/ContextLab/davos#readme
C9	Support email for questions	contextualdynamics@gmail.com

Table 1: Code metadata

1 **1. Motivation and significance**

2 **2. Software description**

3 *2.1. Software Architecture*

4 *2.2. Software Functionalities*

5 *2.3. Sample code snippets analysis (optional)*

6 **3. Illustrative Examples**

7 **4. Impact**

8 **5. Conclusions**

9 **Funding**

10 Our work was supported in part by NSF grant number 2145172 to J.R.M.
11 The content is solely the responsibility of the authors and does not necessarily
12 represent the official views of our supporting organizations.

13 **Declaration of Competing Interest**

14 We wish to confirm that there are no known conflicts of interest associated
15 with this publication and there has been no significant financial support for
16 this work that could have influenced its outcome.

17 **Acknowledgements**

18 **References**