

Author One, Writer Two   literate programming, reproducible research,  
compendium, web, emacs.

# A Reproducible Research Document

Author One, Writer Two

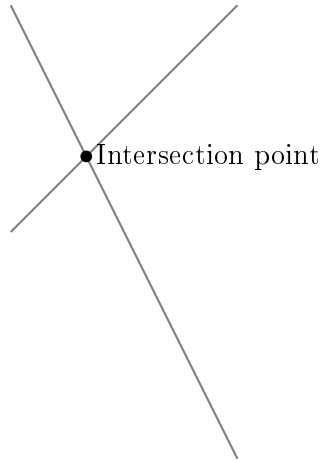
## **Abstract**

A template repo to quickly get up and running with an environment for authoring reproducible research papers. Heavily inspired by Schulte, E., Davison, D., Dye, T., Dominik, C. (2012). A Multi-Language Computing Environment for Literate Programming and Reproducible Research. *Journal of Statistical Software*, 46(3), 1–24. <https://doi.org/10.18637/jss.v046.i03>

# 1 Introduction

This is intended to be a nice simple template repository that can be cloned as a starting point for new reproducible research documents including embedded code and data with a literate programming style.

- Org-mode
- L<sup>A</sup>T<sub>E</sub>X
- GNU Guix
- NixOS



## 1.1 Literate programming

There are a variety of settings in which it is desirable to mix prose, code, data, and computational results in a single document.

(Schulte, Eric and Davison, Dan and Dye, Thomas and Dominik, Carsten, 2012)

# 2 Example chunks

## 2.1 Tables

Tables like so:

...

Table 1: A simple table

A	B	C
1	abc	3.14
2	def	3.14
3	ghi	3.14

## 2.2 Code Blocks

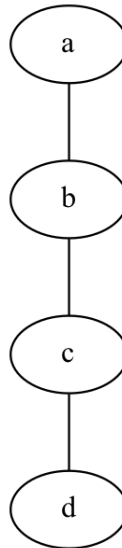
### 2.2.1 Python

```
def hello():  
    return "Hello World"
```

```
hello()
```

```
None
```

### 2.2.2 Dot



## 3 References

[1] Schulte, Eric and Davison, Dan and Dye, Thomas and Dominik, Carsten, *A Multi-Language Computing Environment for Literate Programming and Reproducible Research*, Journal of Statistical Software, 2012.