

# Test Subplot against reference subplots

The Subplot project

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## 1 Introduction

This document describes how we guard against accidental breaking changes in Subplot by running it against a curated set of subplot documents.

## 2 Subplot

### 2.1 Produce a PDF

*given* an installed subplot  
*given* a clone of <https://gitlab.com/subplot/subplot.git> in `src` at **bfbcaf9eedb9f2339494c3ee16d5761121631342**  
*when* I docgen `subplot.md` to `test.pdf`, in `src`  
*then* file `src/test.pdf` exists

### 2.2 Produce HTML page

*given* an installed subplot  
*given* a clone of <https://gitlab.com/subplot/subplot.git> in `src` at **bfbcaf9eedb9f2339494c3ee16d5761121631342**  
*when* I docgen `subplot.md` to `test.html`, in `src`  
*when* I run, in `src`, `subplot docgen subplot.md -o subplot.html`  
*then* file `src/test.html` exists

## 2.3 Generate and run test program

*given* an installed subplot

*given* file `run_test.sh`

*given* a clone of <https://gitlab.com/subplot/subplot.git> in src at `bfbcaf9eedb9f2339494c3ee16d5761121631342`

*when* I run, in src, subplot codegen subplot.md -o test-inner.py

*when* I run `bash run_test.sh`

*then* command is successful

File: `run_test.sh`

```
1 #!/bin/bash
2
3 set -eou pipefail
4 python3 src/test-inner.py --log test-inner.log --env "PATH=$PATH" --env SUBPLOT_DIR=/"
```