Template pmd file for python

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Contents

List of Tables

List of Figures

S1 Introduction

This an example of a script that can be published using `Pweave`(http://mpastell.com/pweave). The script can be executed.

S2 Data and Methods

```python
fig = plt.figure()
ax = fig.gca(projection='3d')
X = np.arange(-5, 5, 0.25)
Y = np.arange(-5, 5, 0.25)
X, Y = np.meshgrid(X, Y)
Z = np.sin(np.sqrt(X**2 + Y**2))
surf = ax.plot_surface(X, Y, Z, cmap=cm.coolwarm,
        linewidth=0, antialiased=False)
fig.colorbar(surf, shrink=0.5, aspect=5)
plt.show()
```
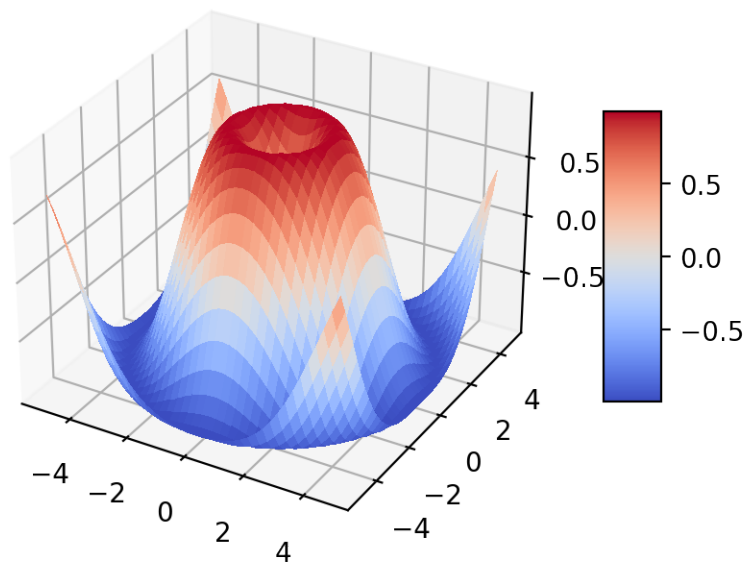

Figure S1: An example 3D plot

```python
for i in range(10):
    print(i)
```

```
0
1
2
3
4
5
6
7
8
```

S3 Results

S4 Discussions