

# Pandoc for MSF Reports

Marine Science Foundation

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# 1 Top Heading Chapter 1

This is some content that might go Here

- Unordered list element
- Unordered list element
- Unordered list element
- Unordered list element

## 2 Second Heading Next chapter

Notice that pandoc did not number the breaks

### 3 Third Heading

The quick Brown Fox Jumped over the lazy Dog's Back.The quick Brown Fox Jumped over the lazy Dog's Back.

```
1 import numpy as np
2 from pyplot import pyplot as plt
3
4 derp = np.arange(10)
5 for idx in range(10):
6     print(idx)
```

The quick Brown Fox Jumped over the lazy Dog's Back.The quick Brown Fox Jumped over the lazy Dog's Back.The quick Brown Fox Jumped over the lazy Dog's Back.The quick Brown Fox Jumped over the lazy Dog's Back.

#### 3.1 Sub Heading Layer 1

The quick Brown Fox Jumped over the lazy Dog's Back.The quick Brown Fox Jumped over the lazy Dog's Back.The quick Brown Fox Jumped over the lazy Dog's Back.

##### 3.1.1 Sub heading Layer 2

1. ordered list element
2. ordered list element
3. ordered list element
4. ordered list element

#### 3.2 Sub heading Layer 1

The quick Brown Fox Jumped over the lazy Dog's Back.

## 4 Communications example



I'VE DISCOVERED A WAY TO GET COMPUTER  
SCIENTISTS TO LISTEN TO ANY BORING STORY.

# Alice

Alice is sending a message to Bob.

### 4.1 Sender

- Alice sends to Bob

#### 4.1.1 Sub heading level 3

The message is the The Quick Brown Fox Jumps Over the Lazy Dog's Back!

## 5 Bob

Bob receives the data from Alice

## 6 Eve

Eve attempts to intercept Alices message from Bob. Alice's silly message is an xkcd comic.

# DID THE SUN JUST EXPLODE? (IT'S NIGHT, SO WE'RE NOT SURE.)

THIS NEUTRINO DETECTOR MEASURES WHETHER THE SUN HAS GONE NOVA.

THEN, IT ROLLS TWO DICE. IF THEY BOTH COME UP SIX, IT LIES TO US. OTHERWISE, IT TELLS THE TRUTH.

LET'S TRY.

DETECTOR! HAS THE SUN GONE NOVA?

(ROLL)

YES.



FREQUENTIST STATISTICIAN:

THE PROBABILITY OF THIS RESULT HAPPENING BY CHANCE IS  $\frac{1}{36} = 0.027$ .

SINCE  $p < 0.05$ , I CONCLUDE THAT THE SUN HAS EXPLODED.



BAYESIAN STATISTICIAN:

BET YOU \$50 IT HASN'T.



**Figure 1:** explodingkittens