pyGroff

Subhaditya Mukherjee

May 01 ,2021

1)

**Note that you have to remove the <>**

**4.1. General**

**4. Main syntax**



**3. Image**

-o : output file name. (Dont give path!)

2)

-f : input file path

-2-

**2. Arguments needed**

it is also being generated by pyGroff.

markdown syntax. This document is an example as well as a syntax list for easy reference. As you can see,

pyGroff is a tiny wrapper around groff which will let you create professional pdfs and documents in almost

**1. Intro**

*Subhaditya Mukherjee*

**pyGroff, A tiny Syntax guide**

| <text> : Table. Format is |[title](1;3;4;5;6,1;3;4;8;9). Separate rows with , and lines with ;

-d This is optional. But it can be another date format

4)

-t "Project title"

3)

-n "Your name"

2)

-c True

1)

**Use the arguments**

**4.3. Need a cover page?**

= <equation> : One equation per line. For more examples refer below

separate lines by ;

) <code> : Python code, in quotes like : "import numpy as np; z = np.random.rand(3,3);print(z)" . Please

verted to .eps format.

! <image name.jpg> : Make sure it is in the same directory. Or specify the full path. Note that it will be con-

-3-

**4.2. Advanced**

ˆ: Superscript

(Note that this should be in a new line)

+ <text> : New page

\_ <text> : underline

/ <text> : italics

\* <text> : bold

˜ : if you want to use one of the above in a sentence but do not want it to be formatted. Like this document.

- <text> : Lists

## <text> : Heading level 2.. and so on

# <text> : Heading level 1

> <text> : move to the right

< <text> : move to the center (left is default)

@ <author> : Author name

% <title> : Adds a title like the one in this document

sub : subscript

**1**

**1**

**1**

**1**

**8. What about equations**

**8.1. Further syntax specification for easier equations**

9)

!= : not equals

10)

>= : greater than or equals (etc etc)

11)

sup : superscript

12)

**you**

13)

over : divided by

14)

pi

15)

for any greek letter : just spell it out. Put spaces before and after

16)

cdot : circle dot

17)

del : grad symbol

18)

grad : grad symbol

19)

sum : sum symbol { write as from {i=1} etc }

[[0.60718919 0.78559706 0.49380824]

**5. Limitations for now**

5)

If you have added a title and an author, you must add a body or you will get errors

6)

Formatting can only be applied to the whole row

7)

If you are using < or > , please leave a line gap

8)

If you see any numbering/formatting not working, just leave a line gap. It should mostly work out. If

not. File an issue

**6. What about code**

import numpy as np

z = np.random.rand(3,3)

print(z)

Output :

-4-

[0.58569547 0.0835979 0.04065419]

[0.57697412 0.54353341 0.63040354]]

**7. What about tables**

**Who is cool**

**me**

**me**

**me**

)

γ

5

3

*a*

\* 600

+

=

7

10

100

γ

δ

=

*f* (

3

. 8

*r*

θ

π

∞

1

Σ

=

1000*x*

=

*i*

1

Thank you

inter : intersection

20)

int : integral

21)

inf : infinity

22)

partial : partial differential symbol

23)

half : 1/2

24)

prod : product symbol

25)

union

26)

-5-

**8.2. Some examples**

3

*a*

5

*b*

=

+

− =

+

*x*

3

5*x*

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

6. What about code

4

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

7. What about tables

4

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

5. Limitations for now

3

.

.

.

.

.

.

8.2. Some examples

4

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

8.1. Further syntax specification for easier equations

.

5

.

.

.

.

.

.

.

.

.

4

.

.

.

.

.

.

.

.

.

.

.

.

.

8. What about equations .

4

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

4.3. Need a cover page?

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

3. Image .

2

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

1. Intro

**Table of Contents**

2

.

.

.

.

.

.

.

.

.

.

2. Arguments needed .

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

4.2. Advanced

2

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

3

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

4. Main syntax .

2

.

.

.

.

.

.

.

.

.

.

.

.

-i-

.

4.1. General

2

.

.

.

.

.

.