# **Environmental-Friendliness of Buildings in New York**

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## **Abstract**

Abstract is here!

# **Basic formatting**

### **Bold text**

Semi-bold text

Centered text

Right-aligned text

Italic text

Combined italics and bold

### Strikethrough

- 1. Ordered list item
- 2. Ordered list item
  - a. Sub-item
  - b. Sub-item
    - i. Sub-sub-item
- 3. Ordered list item
  - a. Sub-item
- List item
- · List item
- List item

subscript: H<sub>2</sub>O is a liquid

superscript: 2<sup>10</sup> is 1024.

unicode superscripts<sup>0123456789</sup>

### unicode subscripts<sub>0123456789</sub>

A long paragraph of text. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Putting each sentence on its own line has numerous benefits with regard to <u>editing</u> and <u>version</u> <u>control</u>.

Line break without starting a new paragraph by putting two spaces at end of line.

# **Document organization**

Document section headings:

# **Heading 1**

# **Heading 2**

**Heading 3** 

**Heading 4** 

**Heading 5** 

**Heading 6** 



### Horizontal rule:

Heading 1's are recommended to be reserved for the title of the manuscript.

Heading 2's are recommended for broad sections such as Abstract, Methods, Conclusion, etc.

Heading 3's and Heading 4's are recommended for sub-sections.

# Links

Bare URL link: https://manubot.org

Long link with lots of words and stuff and junk and bleep and blah and stuff and other stuff and more stuff yeah

Link with text

Link with hover text

Link by reference

## **Citations**

Citation by DOI [1].

Citation by PubMed Central ID [2].

Citation by PubMed ID [3].

Citation by Wikidata ID [4].

Citation by ISBN [5].

Citation by URL [6].

Citation by alias [7].

Multiple citations can be put inside the same set of brackets [1,5,7]. Manubot plugins provide easier, more convenient visualization of and navigation between citations [2,3,7,8].

Citation tags (i.e. aliases) can be defined in their own paragraphs using Markdown's reference link syntax:

# Referencing figures, tables, equations

Figure 1

Figure 2

```
Figure 3

Figure 4

Table 1

Equation 1

Equation 2
```

# **Quotes and code**

Quoted text

Quoted block of text

Two roads diverged in a wood, and I—I took the one less traveled by, And that has made all the difference.

Code in the middle of normal text, aka inline code.

Code block with Python syntax highlighting:

```
from manubot.cite.doi import expand_short_doi

def test_expand_short_doi():
    doi = expand_short_doi("10/c3bp")
    # a string too long to fit within page:
    assert doi == "10.25313/2524-2695-2018-3-vliyanie-enhansera-copia-i-
        insulyatora-gypsy-na-sintez-ernk-modifikatsii-hromatina-i-
        svyazyvanie-insulyatornyh-belkov-vtransfetsirovannyh-geneticheskih-
        konstruktsiyah"
```

Code block with no syntax highlighting:

```
Exporting HTML manuscript
Exporting DOCX manuscript
Exporting PDF manuscript
```

# **Figures**



**Figure 1:** A square image at actual size and with a bottom caption. Loaded from the latest version of image on GitHub.



**Figure 2:** An image too wide to fit within page at full size. Loaded from a specific (hashed) version of the image on GitHub.



Figure 3: A tall image with a specified height. Loaded from a specific (hashed) version of the image on GitHub.



**Figure 4:** A vector .svg image loaded from GitHub. The parameter sanitize=true is necessary to properly load SVGs hosted via GitHub URLs. White background specified to serve as a backdrop for transparent sections of the image.

# **Tables**

**Table 1:** A table with a top caption and specified relative column widths.

Bowling Scores	Jane	John	Alice	Bob
Game 1	150	187	210	105
Game 2	98	202	197	102
Game 3	123	180	238	134

**Table 2:** A table too wide to fit within page.

	Digits 1-33	Digits 34-66	Digits 67-99	Ref.
pi	3.14159265358979323 846264338327950	28841971693993751 0582097494459230	78164062862089986 2803482534211706	piday.org
е	2.71828182845904523 536028747135266	24977572470936999 5957496696762772	40766303535475945 7138217852516642	nasa.gov

 Table 3: A table with merged cells using the attributes plugin.

	Colors		
Size	Text Color	Background Color	
big	blue	orange	
small	black	white	

# **Equations**

A LaTeX equation:

$$\int_0^\infty e^{-x^2} dx = \frac{\sqrt{\pi}}{2} \tag{1}$$

An equation too long to fit within page:

$$x = a + b + c + d + e + f + g + h + i + j + k + l + m + n + o + p + q + r + s + t + u + v + w + x + y + z + 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9$$
(2)

# **Special**

▲ WARNING The following features are only supported and intended for .html and .pdf exports. Journals are not likely to support them, and they may not display correctly when converted to other formats such as .docx.

LINK STYLED AS A BUTTON

Adding arbitrary HTML attributes to an element using Pandoc's attribute syntax:

Manubot Manubot Manubot Manubot Manubot. Manubot Manubot Manubot Manubot. Manubot. Manubot Manubot. Manubot. Manubot. Manubot. Manubot.

Adding arbitrary HTML attributes to an element with the Manubot attributes plugin (more flexible than Pandoc's method in terms of which elements you can add attributes to):

Manubot Manubot.

Available background colors for text, images, code, banners, etc:

white lightgrey grey darkgrey black lightred lightyellow lightgreen lightblue lightpurple red orange yellow green blue purple

Using the Font Awesome icon set:



**Light Grey Banner** useful for *general information* - <u>manubot.org</u>

# **1** Blue Banner

useful for important information - manubot.org

**○ Light Red Banner** useful for *warnings* - <u>manubot.org</u>

Sour ce: Kagg le / NYC May or's Offic e of Clim ate & Envir onm enta Justi ce Data For mat: CSV File Cont ent: The data set cont ains infor mati on on prop ertie rega

rdin g its basi C infor mati on, indic es

used for eval uati ng ener gy effici ency type s of ener gy used in the prop erty, and gree nho use gas (GH G) emis sion s.

> Attri bute s:

Prop erty nam e: nam e of the prop erty. Boro ugh: boro ugh for the prop erty. Prim ary prop erty use type: mai n prop erty usag е (ex:

offic e, hous ing, hote l). Gros S floor area (GFA ) for prim ary use type: prop erty area for mai n use in squa re ft. Seco ndar у prop erty use type: seco ndar У prop erty usag e (ex: offic e, hous ing, hote l). Gros S floor area (GFA ) for seco ndar у use type: prop erty area for seco

ndar

У use in squa re ft. Year built : the year the prop erty is built . If it has gone thro ugh а com plet е reno vatio n, the reno vatio n year can be the built year. Occ upa ncy: perc enta ge of the prop erty GFA that is occu pied and oper atio nal.

Ener gy met ered area s: area s withi n the prop erty that is cove red by ener gy met ers. Wat er met ered area s: area S withi n the prop erty that is cove red by wate met ers. ENE RGY STA R Scor e: a scor e base  $d \ on \\$ ener gy usag e. Sour ce ener gy use inte nsity (EUI) : EUI calc ulat ed from the

ener

gy sour ce, in kBtu /ft^2 , whe re kBtu is thou sand Briti sh ther mal units Wea ther nor mali zed sour ce EUI: EUI nor mali zed for weat her. Wea ther nor mali zed site elect ricity inte nsity weat her nor mali zed site elect ricity inte nsity per GFA. Wea ther nor mali

zed site natu ral gas inte nsity weat her nor mali zed site natu ral gas inte nsity per GFA.

Fuel oil: ann ual fuel oil used , in kBtu Dies el: ann ual dies el used , in kBtu Natu ral gas: ann ual natu ral gas used , in kBtu Elect ricity

> elect ricity used , in

ann ual

, in kBtu

Wat er: ann ual wate r use, in kGal.

use, in kGal. Dire ct  $\mathsf{GHG}$ emis sion: ann ual direc t  $\mathsf{GHG}$ emis sion emit ted from the prop erty, in tons of carb on dioxi de equi vale nt. Indir ect GHG emis sion: ann ual indir ect GHG emis sion emit ted fromthe prop erty, in tons of

> carb on dioxi de equi vale nt.

Total GHG emis sion: sum of direc t and indir ect GHG emis sion s in tons of carb on dioxi de equi vale nt.

### Proposal:

We plan to develop a model that can predict a property's environmental friendliness based on its GHG emission and energy efficiency. Types of energy used can affect the GHG emission of a property. Weather, property age, floor area, and so on can affect energy efficiency. We will start by finding the correlation between energy sources and GHG emissions. We will then evaluate both GHG emission and energy efficiency indices to obtain the extent of the environmental friendliness of a property.

# References

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#### **Open collaborative writing with Manubot** 6.

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DOI: 10.1098/rsif.2017.0387 · PMID: 29618526 · PMCID: PMC5938574

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DOI: 10.1371/journal.pcbi.1007128 · PMID: 31233491 · PMCID: PMC6611653