



Title Goes Here and Looks Like This When it Goes on Multiple Lines

Master's Programme in Parks and Recreation
Small Town Politics Study Track
Master's Thesis

Author:
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Supervisors:
Prof. Leslie Knope
Dr. Ann Perkins

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Abstract

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Degree programme: Master's Programme in Parks and Recreation
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Abstract:

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Tiivistelmä

Tiedekunta:	Puistojen ja virkistystyksen tiedekunta
Koulutusohjelma:	Puistojen ja virkistystyksen maisteriohjelma
Opintosuunta:	Kyläpolitiikka
Tekijä:	Ron Swanson
Työn nimi:	Suomenkielinen otsikko joka on kohtuullisen pitkä mutta ei kuitenkaan liian pitkä
Työn laji:	Maisterintutkielma
Kuukausi ja vuosi:	Kuukausi 2023
Sivumäärä:	10
Avainsanat:	puistot, virkistys
Ohjaajat:	Professori Leslie Knope, FT Ann Perkins
Säilytyspaikka:	HELDA - Helsingin yliopiston digitaalinen arkisto
Tiivistelmä:	

Jukolan talo, eteläisessä Hämeessä, seisoo erään mäen pohjoisella rinteellä, liki Toukolan kylää. Sen läheisin ympäristö on kivinen tanner, mutta alempana alkaa pellot, joissa, ennenkuin talo oli häviöön mennyt, aaltoili teräinen vilja. Peltojen alla on niittu, apilaäyräinen, halkileikkaama monipolvisen ojan; ja runsaasti antoi se heiniä, ennenkuin joutui laitumeksi kylän karjalle.

Muutoin on talolla avaria metsiä, soita ja erämaita, jotka, tämän tilustan ensimmäisen perustajan oivallisen toiminnan kautta, olivat langenneet sille osaksi jo ison jaon käydessä entisinä aikoina. Silloinpa Jukolan isäntä, pitäen enemmän huolta jälkeentulevainsa edusta kuin omasta parhaastansa, otti vastaan osaksensa kulon polttaman metsän ja sai sillä keinolla seitsemän vertaa enemmän kuin toiset naapurinsa.

Mutta kaikki kulovalkean jäljet olivat jo kadonneet hänen piiristänsä ja tuuhea metsä kasvanut sijaan. - Ja tämä on niiden seitsemän veljen koto, joiden elämänvaiheita tässä nyt käyn kertoilemaan.

Veljesten nimet vanhimhasta nuorimpaan ovat: Juhani, Tuomas, Aapo, Simeoni, Timo, Lauri ja Eero. Ovat heistä Tuomas ja Aapo kaksoispari ja samoin Timo ja Lauri. Juhanin, vanhimman veljen, ikä on kaksikymmentä ja viisi vuotta, mutta Eero, nuorin heistä, on tuskin nähnyt kahdeksantoista auringon kierrosta.

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Helsinki, 1.1.2019

Ron Swanson

Contents

Abstract	I
Tiivistelmä	II
Acknowledgements	III
Contents	IV
List of Figures	V
List of Tables	V
Symbols and Abbreviations	VI
1 Introduction	1
1.1 Reference and citation example	1
2 Background	2
2.1 Subsection with a dummy figure and table	2
2.2 Another subsection	3
2.2.1 Sub-subsection	4
2.2.2 Another sub-subsection	4
2.3 Third subsection	4
3 Methods	5
4 Results	7
5 Discussion	8
References	9
Appendices	10
A Some extra information	10

List of Figures

2.1	Dummy figure	2
2.2	Cat and dog	3
4.1	tikz graphics	7
A.1	More dogs	10

List of Tables

2.1	Dummy table	3
4.1	Example table	7

Abbreviations

ECVO	European College of Veterinary Ophthalmologists
FLH	Finnish Lapphund
GWAS	Genome-wide association study
HWE	Hardy-Weinberg equilibrium
IBD	Identical by descent

Symbols

B	Magnetic flux density
c	Speed of light in vacuum $\approx 3 \times 10^8$ [m/s]
ω_D	Debye frequency
ω_{latt}	Average phonon frequency of lattice

Operators

$\nabla \times \mathbf{A}$	Curl of vector A
$\frac{d}{dt}$	Derivative with respect to variable t
$\frac{\partial}{\partial t}$	Partial derivative with respect to variable t
\sum_i	Sum over index i
$\mathbf{A} \bullet \mathbf{B}$	Dot product of vectors A and B

1 Introduction

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- First itemtext
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1.1 Reference and citation example

You can jump to section 5 directly from the number, which is the summary section, and to the reference directly from itself (Gelatt, 2007), meaning the year or number depending on the bibliography style.

2 Background

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L^AT_EX is great for equations, as can be seen in equation 1.

$$P(A|B) = \frac{P(B|A) P(A)}{P(B)} \quad (1)$$

2.1 Subsection with a dummy figure and table

Citation (Hermanson and Lahunta, 2020; Petersen-Jones, 2005). Petersen-Jones (2005) can be cited also as part of the text, or just print the names Petersen-Jones or the year 2005. A footnote displaying how to include urls¹ in text. Below is a simple example figure 2.1. Table 2.1 is on the top of the next page.



Figure 2.1: Dummy figure with a citation (Mellersh, 2014).

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¹Like this www.google.fi or fancier [Google](#). You can change the link color in "hypersetup".

Table 2.1: Dummy table with some random data.

Parameter	Exhaust air	Outdoor air	Heat wheel (80%)
Heat recovery [%]	89,6 %	89,6 %	77,4 %
Real heat recovery [%]	50,5 %	52,1 %	-
Net energy need	27,7	27,0	15,8
Delivered energy	31,1	27,6	45,6

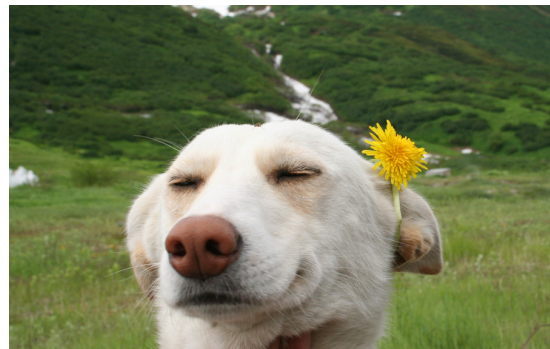
Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

2.2 Another subsection

Here we have some subfigures side by side to demonstrate the captioning style settings in figure 2.2. You can reference the subfigures independently too: 2.2a and 2.2b. Some space before the figure can be added like this.



(a) kitty



(b) dogo

Figure 2.2: Kitty and dogo. Much wow.

You can also use a newline with `\\` or `\newline` to add vertical space. Commands are not processed in this verbatim environment.

2.2.1 Sub-subsection

This and the following subsections 2.2.2 and 2.3 demonstrate different lists.

Itemize:

- First itemtext
- Second itemtext
- Last itemtext
- First itemtext
- Second itemtext

2.2.2 Another sub-subsection

Enumerate:

1. First itemtext
2. Second itemtext
3. Last itemtext
4. First itemtext
5. Second itemtext

2.3 Third subsection

Description:

First itemtext

Second itemtext

Last itemtext

First itemtext

Second itemtext

3 Methods

Here is some lorem ipsum math stuff.

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$$\bar{x} = \frac{1}{n} \sum_{i=1}^{i=n} x_i = \frac{x_1 + x_2 + \dots + x_n}{n}$$

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$$\int_0^\infty e^{-ax^2} dx = \frac{1}{2} \sqrt{\int_{-\infty}^\infty e^{-ax^2} dx} \int_{-\infty}^\infty e^{-ay^2} dy = \frac{1}{2} \sqrt{\frac{\pi}{a}}$$

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$$\sum_{k=0}^{\infty} a_0 q^k = \lim_{n \rightarrow \infty} \sum_{k=0}^n a_0 q^k = \lim_{n \rightarrow \infty} a_0 \frac{1 - q^{n+1}}{1 - q} = \frac{a_0}{1 - q}$$

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$$x_{1,2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} = \frac{-p \pm \sqrt{p^2 - 4q}}{2}$$

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$$\frac{\partial^2 \Phi}{\partial x^2} + \frac{\partial^2 \Phi}{\partial y^2} + \frac{\partial^2 \Phi}{\partial z^2} = \frac{1}{c^2} \frac{\partial^2 \Phi}{\partial t^2}$$

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4 Results

Check appendix A for one more figure.

Table 4.1: Example table with tabular numbers

Col1	Col2	Col2	Col3
1	6	87837	787
2	005	78	5415
3	545	778	7507
4	585	18744	7560
5	88	0788	6344

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Here is an example of [tikz](#) graphics:

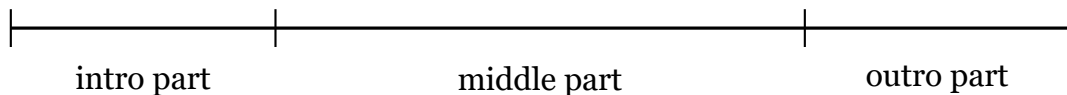


Figure 4.1: Example *tikz* graphic, which is useful for simple illustrations.

5 Discussion

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References

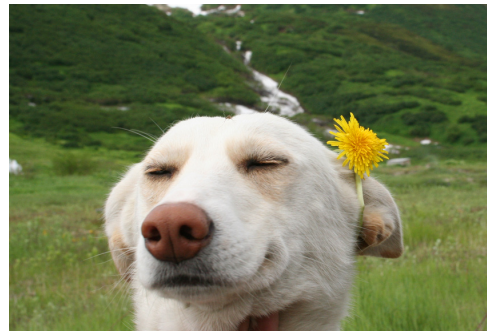
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A Some extra information

Some more dogos in figure A.1 in this appendix.



(a) *dogo 1*



(b) *dogo 2*



(c) *dogo 3: vertical flip*



(d) *dogo 4: horizontal flip*

Figure A.1: *Wow, more dogos.*