

Wage Gaps Thesis

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```
install.packages(c('tinytex', 'rmarkdown')) tinytex::install_tinytex()
if (!require("devtools")) install.packages("devtools") devtools::install_github("Nicktz/TeXevier")
library(Texevier)

dir <- "~/Desktop/Masters/Thesis Datawork/" template_name = "Write_Up" create_template(directory
= dir, template_name = template_name, build_project = TRUE, open_project = TRUE)

Texevier::create_template(directory = "~/Desktop/Masters/Thesis Datawork/")
```

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
```

```
library(tidyverse)
```

```
## -- Attaching packages ----- tidyverse 1.3.1 --

## v ggplot2 3.3.5      v purrr  0.3.4
## v tibble  3.1.6      v stringr 1.4.0
## v tidyr   1.2.0      v forcats 0.5.1
## v readr   2.1.2
```

```

## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag() masks stats::lag()

GHS2018New <- read.csv(file = "~/Desktop/Masters/Thesis Datawork/GHS2018LimitedVariablesEduc.csv", header = TRUE)
GHS2002New <- read.csv(file = "~/Desktop/Masters/Thesis Datawork/GHS2002LimitedVarsEduc.csv", header = TRUE)

append_GHSNew <- bind_rows(GHS2018New, GHS2002New)

append_GHSNew <- mutate(append_GHSNew, educnum = recode(education,
  "No schooling" = "0",
  "Grade R/0" = "0",
  "Grade 1/Sub A/Class 1" = "1",
  "Sub A/Grade 1" = "1",
  "Grade 2/Sub B/Class 2" = "2",
  "Sub B/Grade 2" = "2",
  "Grade 3/Standard 1/ABET/AET 1" = "3",
  "Grade 3/Standard 1" = "3",
  "Grade 4/Standard 2" = "4",
  "Grade 5/Standard 3/ABET/AET 2" = "5",
  "Grade 5/Standard 3" = "5",
  "Grade 6/Standard 4" = "6",
  "Grade 7/Standard 5" = "7",
  "Grade 7/Standard 5/ABET/AET 3" = "7",
  "Grade 8/Standard 6/Form 1" = "8",
  "Grade 9/Standard 7/Form 2" = "9",
  "Grade 9/Standard 7/Form 2/ABET/AET 4/NCV Level 1/Occupational Certificate-NQF Level 1" = "9",
  "Grade 10/Standard 8/Form 3/NCV Level 2/Occupational Certificate-NQF Level 2" = "10",
  "Grade 10/Standard 8/Form 3" = "10",
  "Grade 11/Standard 9/Form 4" = "11",
  "Grade 11/Standard 9/Form 4/NCV Level 3/Occupational Certificate-NQF Level 3" = "11",
  "Grade 12/Standard 10/Form 5/National Senior Certificate/Matric/ NCV Level 4" = "12",
  "Grade 12/Standard 10/Form 5/Matric" = "12",
  "NTC I" = "10",
  "NTC I/N1" = "10",
  "NTC II" = "11",
  "NTC II/N2" = "11",
  "NTC III" = "11",
  "NTC III/N3" = "11",
  "N4/NTC 4/Occupational Certificate-NQF Level 5" = "13",
  "N5/NTC 5/Occupational Certificate-NQF Level 5" = "13",
  "N6/NTC 6/Occupational Certificate-NQF Level 5" = "13",
  "Diploma/certificate with less than Grade 12/std 10" = "11",
  "Diploma with less than Grade 12/Standard 10" = "11",
  "Certificate with less than Grade 12/Standard 10" = "11",
  "Diploma/certificate with Grade 12/std 10" = "13",
  "Diploma with Grade 12/Standard 10/Occupational Certificate-NQF Level 6" = "13",
  "Higher/National/Advance certificate with Grade 12/std 10/Occupational Certificate-NQF Level 7" = "14",
  "Higher Diploma/Occupational Certificate (B-Tech Diploma)-NQF Level 7" = "14",
  "Degree" = "15",
  "Bachelors Degree/Occupational Certificate-NQF Level 7" = "15",
  "Postgraduate degree or diploma" = "16",
  "Honours Degree/Postgraduate Diploma/Occupational Certificate-NQF Level 8" = "16"))

```

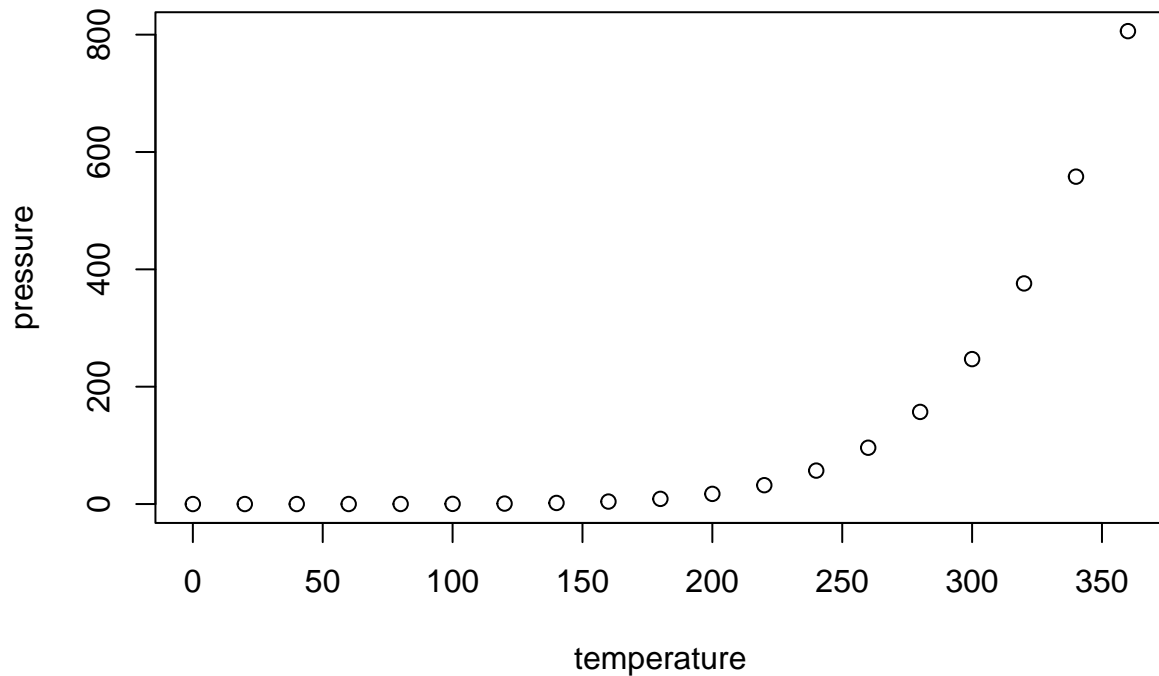
```

"Post Higher Diploma (Masters Diploma and Masters Degree)-NQF Level 9"
"Doctoral Degrees (Doctoral Diploma and PhD)-NQF Level 10" = "18",
"Other" = "NA",
"Don't know" = "NA",
"Do not know" = "NA",
"Unspecified" = "NA"))

```

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

```
##Mincer Regression
```

```
##
## Attaching package: 'flextable'
```

```
## The following object is masked from 'package:purrr':
##
##   compose
```

```
##
## Attaching package: 'huxtable'
```

```
## The following objects are masked from 'package:flextable':
##
##   align, as_flextable, bold, font, height, italic, set_caption,
##   valign, width

## The following object is masked from 'package:ggplot2':
##
##   theme_grey

## The following object is masked from 'package:dplyr':
##
##   add_rownames

## Warning: Warning: fonts used in 'flextable' are ignored because the 'pdflatex'
## engine is used and not 'xelatex' or 'lualatex'. You can avoid this warning
## by using the 'set_flextable_defaults(fonts_ignore=TRUE)' command or use a
## compatible engine by defining 'latex_engine: xelatex' in the YAML header of the
## R Markdown document.
```

names	model1
	(1)
(Intercept)	18.8205403027641 ***
	(0.0449043989321071)
educnum1	0.362831922997608 ***
	(0.0883970671963425)
educnum10	1.0671233618685 ***
	(0.0498102242575382)
educnum11	0.976643047557043 ***
	(0.0508371099782915)
educnum12	0.942710870478106 ***
	(0.0455287545609564)
educnum13	0.987441051645476 ***
	(0.0779876489087873)
educnum14	0.623692659793905 ***
	(0.109323006013153)
educnum15	1.18388961795023 ***

names	model1
	(0.0841113384257389)
educnum16	1.46042069430087 ***
	(0.121993531105965)
educnum17	1.19216974746803 ***
	(0.22083210216182)
educnum18	1.69842759171337 ***
	(0.458149607917431)
educnum2	0.675793968612155 ***
	(0.0791510019471824)
educnum3	0.740716501591927 ***
	(0.0713253415290171)
educnum4	0.762884209434101 ***
	(0.0658970812350518)
educnum5	0.832780019942305 ***
	(0.0644239832696238)
educnum6	0.850973894347114 ***
	(0.0589673806705114)
educnum7	0.813295089163093 ***
	(0.0536777110307633)
educnum8	0.997240775532846 ***
	(0.0507199285975583)
educnum9	1.09467199879837 ***
	(0.0527314146716349)
educnumNA	1.35782495125298 ***
	(0.0975078007524825)
educnumNTC	72000333327688 ***
l	(0.395040856946509)

names	model1
educnumNTC76620258033865 I/N1	*** (0.23250408150152)
educnumNTC93469870105169 II/N2	*** (0.511292520335119)
educnumNTC76876285588348 III/N3	*** (0.346890984731657)
age	- 0.304203374887254 *** (0.00246508574173555)
age2	0.00343032588393941 *** (3.081081319972e-05)
SexMale	- 0.620857528840773 *** (0.0217011148352173)
RaceColoured	0.697250997936011 *** (0.0487688823115229)
RaceIndian/Asian	0.940839171669713 * (0.0945804905954983)
RaceWhite	0.830307841729812 *** (0.0544119805084121)
lastyear	3.69313851568881 *** (0.0258081569497907)
RaceColoured/Asian	0.398927690823535 *** (0.0718056465509427)
RaceIndian/Asian/White	0.3285068428838 *** (0.150463839052908)

names	model1
RaceWhite:10.23209280319338	

	(0.0859686199909578)
N	140646
R2	0.33010118262881
logLik	-
	396111.79050284
AIC	792293.58100568
*** p < 0.001; **	*** p < 0.001; **
p < 0.01;	p < 0.01;
* p < 0.05.	* p < 0.05.