Gender differnce in education in Turkey in 1998

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Abstract

The government of Turkey has been pushing education agenda since the 1950s.Because Turkey is a Muslim country, the world wants to know if there is any gender difference in education in Turkey in 1998.

Website for github[1]

1 Introduction

The government of Turkey has been pushing education agenda since the 1950s. Because Turkey is a Muslim country, the world wants to know if there is any gender difference in education in Turkey in 1998.

2 Data

The data is analysis and cleaned in R (R Core Team 2021) using readxl (Wickham and Bryan 2019), jenitor (Firke 2021), the tidyverse (Wickham et al. 2019), and dplyr packages (Wickham et al. 2021) in the Rstudio.The paper is knitted in Rmarkdown.

The data pdf is downloaded from (DHS 1998)

3 Result

There is significant gender difference in education levels in Turkey in 1998. This result is from the conducted two-sample t test.

4 Appendix

Type	characteristics	No.Education	Primary.incomplete	Primary.complete
Male Age	6-9	27.1	70.5	0.70
Male Age	10-14	3.0	30.1	25.10
Male Age	15-19	1.2	2.8	26.00
Male Age	20-24	1.5	1.2	32.90

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[1] https://github.com/wholesomefcas/Turkey4

Type	characteristics	No.Education	Primary.incomplete	Primary.complete
Male Age	25-29	2.1	1.4	41.60
Male Age	30-34	3.5	1.8	44.70
Male Age	35-39	3.9	2.0	48.90
Male Age	40 9OM44	4.8	2.0	48.80
Male Age	45-49	9.4	4.0	50.20
Male Age	30-54	20.3	7.0	42.80
Male Age	55-59	26.3	8.9	45.50
Male Age	60-64	30.7	10.2	45.80
Male Age	65+	419.0	10.3	33.10
Male Residence	Urban	7.5	13.1	30.10
Male Residence	Rural	16.4	15.3	NA
Male Region	est	6.7	11.2	35.20
Male Region	South	9.1	15.4	30.10
Male Region	Central	8.0	13.3	34.20
Male Region	North	12.1	15.0	33.60
Male Region	East	23.4	18.8	28.10
Female Age	6-9	29.8	67.9	1.10
Female Age	10-14	13.0	24.4	3.61
Female Age	15-19	63.0	4.3	43.40
Female Age	20-24	30.3	2.6	5.01
Female Age	25-29	13.6	2.7	51.30
Female Age	30-34	15.9	3.6	54.20
Female Age	35-39	22.1	6.3	49.50
Female Age	40-44	30.3	9.4	39.80
Female Age	45-49	39.5	8.6	36.50
Female Age	50-54	50.0	10.0	31.50
Female Age	55-59	56.6	12.1	25.80
Female Age	60-64	61.3	12.4	20.10
Female Age	65+	75.0	8.3	11.60
Female Residence	Urban	20.9	13.1	30.10
Female Residence	Rural	164.0	15.4	40.80

Type	characteristics	Secondary.incomplete	Secondary.complete	Don.t.know.missing
Male Age	6-9	0.2	0.0	1.5
Male Age	10-14	41.3	0.4	0.2
Male Age	15-19	45.5	24.3	0.1
Male Age	20-24	21.8	42.4	0.1
Male Age	25-29	22.4	32.5	0.1
Male Age	30-34	21.2	28.6	0.3
Male Age	35-39	16.3	28.8	0.2
Male Age	40 9OM44	17.3	27.0	0.0
Male Age	45-49	138.0	22.6	0.0
Male Age	30-54	140.0	15.1	0.7
Male Age	55-59	60.0	12.0	1.4
Male Age	60-64	5.9	5.9	1.5
Male Age	65+	6.0	6.8	1.9
Male Residence	Urban	24.9	249.0	0.5
Male Residence	Rural	16.8	9.3	0.6
Male Region	est	23.9	22.4	0.5
Male Region	South	20.2	15.7	0.5

Type	characteristics	Secondary.incomplete	Secondary.complete	Don.t.know.missing
Male Region	Central	22.2	21.7	0.6
Male Region	North	22.2	17.2	0.5
Male Region	East	15.4	13.9	0.4
Female Age	6-9	1.0	0.0	0.1
Female Age	10-14	31.7	0.3	0.2
Female Age	15-19	27.7	18.2	0.1
Female Age	20-24	92.0	27.7	0.2
Female Age	25-29	10.7	21.6	0.1
Female Age	30-34	8.3	17.9	0.0
Female Age	35-39	6.3	15.6	0.2
Female Age	40-44	7.1	13.4	0.0
Female Age	45-49	5.4	9.6	0.5
Female Age	50-54	2.6	4.5	1.4
Female Age	55-59	1.7	3.7	0.0
Female Age	60-64	2.1	3.7	0.4
Female Age	65+	2.7	1.5	0.9
Female Residence	Urban	23.8	24.9	0.3
Female Residence	Rural	16.8	9.3	0.4

Type	characteristics	Total	Number	Median.Number.of.Years
Male Age	6-9	100	1466	0.6
Male Age	10-14	100	1820	4.6
Male Age	15-19	100	1757	7.8
Male Age	20-24	100	1327	7.7
Male Age	25-29	100	1355	5.8
Male Age	30-34	100	1175	5.0
Male Age	35-39	100	1064	4.9
Male Age	40 9OM44	100	978	4.9
Male Age	45-49	100	801	4.7
Male Age	30-54	100	45	4.5
Male Age	55-59	100	536	4.3
Male Age	60-64	100	504	4.2
Male Age	65+	100	920	2.4
Male Residence	Urban	100	9214	4.9
Male Residence	Rural	1000	5124	4.4
Male Region	est	100	5337	4.9
Male Region	South	100	3250	4.8
Male Region	Central	100	1130	4.6
Male Region	North	100	2517	4.3
Male Region	East	100	2103	4.7
Female Age	6-9	100	1441	0.6
Female Age	10-14	100	1823	4.5
Female Age	15-19	100	1907	4.9
Female Age	20-24	100	1701	4.7
Female Age	25-29	100	1483	4.7
Female Age	30-34	100	1256	4.6
Female Age	35-39	100	1154	4.4
Female Age	40-44	100	975	4.3

Type	characteristics	Total	Number	Median.Number.of.Years
Female Age	45-49	100	787	4.0
Female Age	50-54	100	684	0.0
Female Age	55-59	100	619	0.0
Female Age	60-64	100	471	0.0
Female Age	65+	100	1061	0.0
Female Residence	Urban	100	9662	4.9
Female Residence	Rural	100	5707	4.0

Reference

DHS. 1998. "Turkey DHS, 1998 - Final Report (English)." https://dhsprogram.com/publications/publication-fr108-dhs-final-reports.cfm.

Firke, Sam. 2021. *Janitor: Simple Tools for Examining and Cleaning Dirty Data.* https://CRAN.R-project.org/package=janitor.

R Core Team. 2021. *R: A Language and Environment for Statistical Computing.* Vienna, Austria: R Foundation for Statistical Computing. https://www.R-project.org/.

Wickham, Hadley, Mara Averick, Jennifer Bryan, Winston Chang, Lucy D'Agostino McGowan, Romain François, Garrett Grolemund, et al. 2019. "Welcome to the tidyverse." *Journal of Open Source Software* 4 (43): 1686. https://doi.org/10.21105/joss.01686.

Wickham, Hadley, and Jennifer Bryan. 2019. *Readxl: Read Excel Files.* https://CRAN.R-project.org/package=readxl.

Wickham, Hadley, Romain François, Lionel Henry, and Kirill Müller. 2021. *Dplyr: A Grammar of Data Manipulation.* https://CRAN.R-project.org/package=dplyr.