

# Histopathology Research Template

*true*

*2019-11-09*

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```
knitr::opts_chunk$set(  
  eval = TRUE,  
  echo = TRUE,  
  fig.path = here::here("figs/"),  
  message = FALSE,  
  warning = FALSE,  
  comment = NA,  
  tidy = TRUE  
)  
  
# https://cran.r-project.org/web/packages/exploreR/vignettes/exploreR.html  
# exploreR::reset()  
  
source(file = here::here("R", "loadLibrary.R"))  
  
source(file = here::here("R", "generatingFakeData.R"))  
  
library(readxl)  
mydata <- readxl::read_excel(here::here("data", "mydata.xlsx"))  
# View(mydata)
```

Some Text ile sağkalım açısından bir ilişki bulunmamıştır ( $p = 0.22$ ).

Some Text ile sağkalım açısından bir ilişki bulunmamıştır ( $p = 0.22$ ).

Some Text

İstatistik Metod:, , Sürekli verilerin ortalama, standart sapma, median, minimum ve, maksimum değerleri verildi. Kategorik veriler ve gruplanan sürekli, veriler için frekans tabloları oluşturuldu. Genel sağkalım, analizinde ölüm tarihi ve son başvuru tarihi hasta dosyalarından, elde edildi. Sağkalım analizinde Kaplan-Meier grafikleri,, Log-rank testi ve Cox-Regresyon testleri uygulandı. Analizler, R-project (version 3.6.0) ve RStudio ile survival ve finalfit, paketleri kullanılarak yapıldı. p değeri 0.05 düzeyinde anlamlı, olarak kabul edildi., , R Core Team (2019). R: A language and environment for statistical, computing. R Foundation for Statistical Computing, Vienna,, Austria. URL <https://www.R-project.org/>., , Therneau T (2015). A Package for Survival Analysis in S. version, 2.38, <https://CRAN.R-project.org/package=survival>, , Terry M. Therneau, Patricia M. Grambsch (2000). Modeling Survival, Data: Extending the Cox Model. Springer, New York. ISBN, 0-387-98784-3., , Ewen Harrison, Tom Drake and Riinu Ots (2019). finalfit: Quickly, Create Elegant Regression Results Tables and Plots when Modelling., R package version 0.9.6. <https://github.com/ewenharrison/finalfit>

İstatistik Metod:, , Sürekli verilerin ortalama, standart sapma, median, minimum ve, maksimum değerleri verildi. Kategorik veriler ve gruplanan sürekli, veriler için frekans tabloları oluşturuldu. Genel sağkalım, analizinde ölüm tarihi ve son başvuru tarihi hasta dosyalarından, elde edildi. Sağkalım analizinde Kaplan-Meier grafikleri,, Log-rank testi ve Cox-Regresyon testleri uygulandı. Analizler, R-project (version 3.6.0) ve RStudio ile survival ve finalfit, paketleri kullanılarak yapıldı. p değeri 0.05 düzeyinde anlamlı, olarak kabul edildi., , R Core Team (2019). R: A language and environment for statistical, computing. R Foundation for Statistical Computing, Vienna,, Austria. URL <https://www.R-project.org/>., , Therneau T (2015). A Package for Survival Analysis in S. version, 2.38, <https://CRAN.R-project.org/package=survival>, , Terry M. Therneau, Patricia M. Grambsch (2000). Modeling Survival, Data: Extending the Cox Model. Springer, New York. ISBN, 0-387-98784-3., , Ewen Harrison, Tom Drake and Riinu Ots (2019). finalfit: Quickly, Create Elegant Regression Results Tables and Plots when Modelling., R package version 0.9.6. <https://github.com/ewenharrison/finalfit>

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# 1 Save Final Data

saved data after analysis to/Users/serdarbalciold/histopathology-template/data/histopathology-template2019-11-09.xlsx : 2019-11-09 18:25:35

## 2 Final Data Summary

### 3 Software and Libraries Used

To cite R in publications use:

R Core Team (2019). R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. URL <https://www.R-project.org/>.

A BibTeX entry for LaTeX users is

```
@Manual{,  
  title = {R: A Language and Environment for Statistical Computing},  
  author = {{R Core Team}},  
  organization = {R Foundation for Statistical Computing},  
  address = {Vienna, Austria},  
  year = {2019},  
  url = {https://www.R-project.org/},  
}
```

We have invested a lot of time and effort in creating R, please cite it when using it for data analysis. See also 'citation("pkgname")' for citing R packages.

The jamovi project (2019). jamovi. (Version 0.9) [Computer Software]. Retrieved from <https://www.jamovi.org>. R Core Team (2018). R: A Language and environment for statistical computing. [Computer software]. Retrieved from <https://cran.r-project.org/>. Fox, J., & Weisberg, S. (2018). car: Companion to Applied Regression. [R package]. Retrieved from <https://cran.r-project.org/package=car>.

#### 3.1 data[order(data\$References), ]

Ewen Harrison, Tom Drake and Riinu Ots (2019). finalfit: Quickly Create Elegant Regression Results Tables and Plots when Modelling. R package version 0.9.6. <https://github.com/ewenharrison/finalfit>  
Hadley Wickham and Jennifer Bryan (2019). readxl: Read Excel Files. R package version 1.3.1. <https://CRAN.R-project.org/package=readxl>  
Hadley Wickham, Romain François, Lionel Henry and Kirill Müller (2019). dplyr: A Grammar of Data Manipulation. R package version 0.8.3. <https://CRAN.R-project.org/package=dplyr>  
Makowski, D. & Lüdtke, D. (2019). The report package for R: Ensuring the use of best practices for results reporting. CRAN. Available from <https://github.com/easystats/report>. doi: .  
Patil I (2018). ggstatsplot: 'ggplot2' Based Plots with Statistical Details. doi: 10.5281/zenodo.2074621 (URL:<https://doi.org/10.5281/zenodo.2074621>), <URL:<https://CRAN.R-project.org/package=ggstatsplot>>.  
Rinker, T. W. (2018). wakefield: Generate Random Data. version 0.3.3. Buffalo, New York. <https://github.com/trinker/wakefield>  
Sam Firke (2019). janitor: Simple Tools for Examining and Cleaning Dirty Data. R package version 1.2.0. <https://CRAN.R-project.org/package=janitor>

To cite package 'tidyverse' in publications use:

Hadley Wickham (2017). tidyverse: Easily Install and Load the 'Tidyverse'. R package version 1.2.1. <https://CRAN.R-project.org/package=tidyverse>

A BibTeX entry for LaTeX users is

```
@Manual{,
  title = {tidyverse: Easily Install and Load the 'Tidyverse'},
  author = {Hadley Wickham},
  year = {2017},
  note = {R package version 1.2.1},
  url = {https://CRAN.R-project.org/package=tidyverse},
}
```

To cite package 'readxl' in publications use:

Hadley Wickham and Jennifer Bryan (2019). readxl: Read Excel Files. R package version 1.3.1.  
<https://CRAN.R-project.org/package=readxl>

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@Manual{,
  title = {readxl: Read Excel Files},
  author = {Hadley Wickham and Jennifer Bryan},
  year = {2019},
  note = {R package version 1.3.1},
  url = {https://CRAN.R-project.org/package=readxl},
}
```

To cite package 'janitor' in publications use:

Sam Firke (2019). janitor: Simple Tools for Examining and Cleaning Dirty Data. R package version 1.2.0.  
<https://CRAN.R-project.org/package=janitor>

A BibTeX entry for LaTeX users is

```
@Manual{,
  title = {janitor: Simple Tools for Examining and Cleaning Dirty Data},
  author = {Sam Firke},
  year = {2019},
  note = {R package version 1.2.0},
  url = {https://CRAN.R-project.org/package=janitor},
}
```

To cite in publications use:

Makowski, D. & Lüdecke, D. (2019). The report package for R: Ensuring the use of best practices for results reporting. CRAN. Available from <https://github.com/easystats/report>. doi: .

A BibTeX entry for LaTeX users is

```
@Article{,
  title = {The report package for R: Ensuring the use of best practices for results reporting},
  author = {{Makowski} and {Dominique} and {Lüdecke} and {Daniel}},
  journal = {CRAN},
}
```



```

year = {2019},
note = {R package},
url = {https://github.com/easystats/report},
}

```

To cite package 'finalfit' in publications use:

Ewen Harrison, Tom Drake and Riinu Ots (2019). finalfit: Quickly Create Elegant Regression Results Tables and Plots when Modelling. R package version 0.9.6.  
<https://github.com/ewenharrison/finalfit>

A BibTeX entry for LaTeX users is

```

@Manual{,
  title = {finalfit: Quickly Create Elegant Regression Results Tables and Plots when
Modelling},
  author = {Ewen Harrison and Tom Drake and Riinu Ots},
  year = {2019},
  note = {R package version 0.9.6},
  url = {https://github.com/ewenharrison/finalfit},
}

```

Patil I (2018). \_ggstatsplot: 'ggplot2' Based Plots with Statistical Details\_. doi: 10.5281/zenodo.2074621 (URL: <https://doi.org/10.5281/zenodo.2074621>), <URL: <https://CRAN.R-project.org/package=ggstatsplot>>.

A BibTeX entry for LaTeX users is

```

@Manual{,
  title = {ggstatsplot: 'ggplot2' Based Plots with Statistical Details},
  author = {Indrajeet Patil},
  year = {2018},
  url = {https://CRAN.R-project.org/package=ggstatsplot},
  doi = {10.5281/zenodo.2074621},
}

```

## 4 Session Info

```
R version 3.6.0 (2019-04-26)
Platform: x86_64-apple-darwin15.6.0 (64-bit)
Running under: macOS 10.15.1

Matrix products: default
BLAS: /Library/Frameworks/R.framework/Versions/3.6/Resources/lib/libRblas.0.dylib
LAPACK: /Library/Frameworks/R.framework/Versions/3.6/Resources/lib/libRlapack.dylib

locale:
[1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8

attached base packages:
[1] stats      graphics  grDevices  utils      datasets  methods    base

other attached packages:
[1] wakefield_0.3.3  ggstatsplot_0.1.2 finalfit_0.9.6    report_0.1.0
[5] janitor_1.2.0    readxl_1.3.1      dplyr_0.8.3

loaded via a namespace (and not attached):
 [1] tidyselect_0.2.5      lme4_1.1-21
 [3] robust_0.4-18.1      htmlwidgets_1.5.1
 [5] grid_3.6.0           munsell_0.5.0
 [7] codetools_0.2-16     future_1.14.0
 [9] miniUI_0.1.1.1       Brodningnag_1.2-6
[11] metaBMA_0.6.2        colorspace_1.4-1
[13] knitr_1.25           rstudioapi_0.10
[15] stats4_3.6.0         DescTools_0.99.28
[17] robustbase_0.93-5    rcompanion_2.3.0
[19] ggsignif_0.6.0       listenv_0.7.0
[21] emmeans_1.4.1        rstan_2.19.2
[23] mnormt_1.5-5         MCMCpack_1.4-4
[25] bridgesampling_0.7-2 rprojroot_1.3-2
[27] coda_0.19-3          vctrs_0.2.0
[29] generics_0.0.2       TH.data_1.0-10
[31] metafor_2.1-0        xfun_0.10
[33] R6_2.4.0             BayesFactor_0.9.12-4.2
[35] reshape_0.8.8        logspline_2.1.13
[37] assertthat_0.2.1     promises_1.0.1
[39] scales_1.0.0         multcomp_1.4-10
[41] nnet_7.3-12          ggExtra_0.9
[43] gtable_0.3.0         multcompView_0.1-7
[45] globals_0.12.4       processx_3.4.1
[47] mcmc_0.9-6           sandwich_2.5-1
[49] rlang_0.4.1          MatrixModels_0.4-1
[51] EMT_1.1              zeallot_0.1.0
[53] splines_3.6.0        TMB_1.7.15
[55] lazyeval_0.2.2       acepack_1.4.1
[57] broom_0.5.2          checkmate_1.9.4
[59] inline_0.3.15        abind_1.4-5
[61] yaml_2.2.0           reshape2_1.4.3
[63] modelr_0.1.5         backports_1.1.5
[65] httpuv_1.5.2         Hmisc_4.2-0
```

[67]	tools_3.6.0	psych_1.8.12
[69]	ggplot2_3.2.1	kableExtra_1.1.0
[71]	ellipsis_0.3.0	RColorBrewer_1.1-2
[73]	WRS2_1.0-0	ez_4.4-0
[75]	Rcpp_1.0.2	plyr_1.8.4
[77]	base64enc_0.1-3	jmvcore_1.0.0
[79]	purrr_0.3.3	ps_1.3.0
[81]	prettyunits_1.0.2	rpart_4.1-15
[83]	pbapply_1.4-2	cowplot_1.0.0
[85]	zoo_1.8-6	LaplacesDemon_16.1.1
[87]	haven_2.1.1	ggrepel_0.8.1
[89]	cluster_2.1.0	here_0.1
[91]	furrr_0.1.0	magrittr_1.5
[93]	data.table_1.12.6	openxlsx_4.1.0.1
[95]	manipulate_1.0.1	SparseM_1.77
[97]	lmtest_0.9-37	mvtnorm_1.0-11
[99]	broomExtra_0.0.5	mitml_0.3-7
[101]	sjmisc_2.8.1	matrixStats_0.55.0
[103]	hms_0.5.1	mime_0.7
[105]	evaluate_0.14	xtable_1.8-4
[107]	rio_0.5.16	sjstats_0.17.6
[109]	pairwiseComparisons_0.1.1	broom.mixed_0.2.4
[111]	gridExtra_2.3	rstantools_2.0.0
[113]	compiler_3.6.0	tibble_2.1.3
[115]	mice_3.6.0	writexl_1.1
[117]	crayon_1.3.4	minqa_1.2.4
[119]	StanHeaders_2.19.0	htmltools_0.4.0
[121]	mgcv_1.8-29	mc2d_0.1-18
[123]	pcaPP_1.9-73	later_0.8.0
[125]	Formula_1.2-3	libcoin_1.0-5
[127]	tidyr_1.0.0	rrcov_1.4-7
[129]	expm_0.999-4	formatR_1.7
[131]	sjlabelled_1.1.1	jmv_0.9.6.1
[133]	MASS_7.3-51.4	boot_1.3-23
[135]	readr_1.3.1	car_3.0-3
[137]	Matrix_1.2-17	cli_1.1.0
[139]	parallel_3.6.0	insight_0.6.0
[141]	pan_1.6	forcats_0.4.0
[143]	pkgconfig_2.0.3	fit.models_0.5-14
[145]	statsExpressions_0.1.1	coin_1.3-1
[147]	foreign_0.8-72	skimr_1.0.7
[149]	xml2_1.2.2	paletteer_0.2.1
[151]	ggcorrplot_0.1.3	webshot_0.5.1
[153]	estimability_1.3	rvest_0.3.4
[155]	stringr_1.4.0	callr_3.3.2
[157]	digest_0.6.22	parameters_0.2.0.1
[159]	rmarkdown_1.16	cellranger_1.1.0
[161]	htmlTable_1.13.2	nortest_1.0-4
[163]	curl_4.2	modeltools_0.2-22
[165]	quantreg_5.51	shiny_1.3.2
[167]	gtools_3.8.1	jomo_2.6-9
[169]	rjson_0.2.20	nloptr_1.2.1
[171]	lifecycle_0.1.0	nlme_3.1-141
[173]	carData_3.0-2	groupedstats_0.0.9

[175]	viridisLite_0.3.0	pillar_1.4.2
[177]	lattice_0.20-38	loo_2.1.0
[179]	httr_1.4.1	DEoptimR_1.0-8
[181]	pkgbuild_1.0.6	survival_2.44-1.1
[183]	glue_1.3.1	zip_2.0.4
[185]	bayestestR_0.3.0	stringi_1.4.3
[187]	performance_0.3.0	rsample_0.0.5
[189]	latticeExtra_0.6-28	

## 5 Notes

Last update on 2019-11-09 18:25:35

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[drserdarbalci@gmail.com](mailto:drserdarbalci@gmail.com)

<https://rpubs.com/sbalci/CV>