

Research Interests

Muhammad Yaseen

Research Interests

- *Data Science*
- *Reproducible Research (R, Python, & LaTeX)*
- *Statistical Modeling & Computing*
- *Generalized Linear Mixed Models*
- *Design & Analysis of Experiments*

Research Interests (Software)

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Software I've written

This page provides links to R & LaTeX packages I have (co)authored. The most recent versions of most packages are on [github](#). Most R packages are also available on [CRAN](#).



R Packages/Software

agriTutorial

“ **agriTutorial : Tutorial Analysis of Some Agricultural Experiments** [Website]. Example software for the analysis of data from designed experiments, especially agricultural crop experiments. The basics of the analysis of designed experiments are discussed using real examples from agricultural field trials. A range of statistical methods using a range of R statistical packages are exemplified. The experimental data is made available as separate data sets for each example and the R analysis code is made available as example code. The example code can be readily extended, as required.

bayesammi

Research Interests (Publications)

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Published articles and book chapters

2022

- Yaseen, M., Kashif, M., Nazish, H. T., Munir, R., Iqbal, J., Usman, M., and Rabbani, G. (2022) Effect of Rain-Fed Conditions on Yield of Mash Bean Genepool by Using Augmented Design. *Journal of Statistical Theory and Applications*. [ABSTRACT](#) [DOI](#)
- Al-Bouwarthan, M., AlMulla, A. A., and Yaseen, M. (2022) The impact of heat on kidney health: A PRISMA-compliant bibliometric analysis. *Medicine*, **101**(36), e30328. [ABSTRACT](#) [DOI](#)
- Mubeen, A., Tanveer, A., Khaliq, A., and Yaseen, M. (2022) Exploiting the potential of weedy rice as value added silage under different nitrogen levels and cutting intervals. *Pak. J. Agri. Sci.*, **10**(1), 93–103. [ABSTRACT](#) [DOI](#)
- Mehmood, K., Bao, Y., Saifullah, Bibi, S., Dahlawi, S., Yaseen, M., Abrar, M. M., Srivastava, P., Fahad, S., and Faraj, T. K. (2022)

Unpublished working papers

2018

- Jabeen, S., Usman, M., and Yaseen, M. (2018) Factors affecting C-section deliveries in Punjab. [ABSTRACT](#)

2017

- Ishaq, K., Younas, M., Yaseen, M. Ali, M., and Riaz, M. (2017) Effect of physical form of feed and addition of live yeast culture (*saccharomyces cerevisiae*) on the growth performance and carcass traits of beetal male kids under high input feeding system. *2017 International Conference on Agricultural and Food Science, Lahore, Pakistan*. [ABSTRACT](#)

2016

- Batool, Z. and Yaseen, M. (2016) Time Series Analysis and Forecasting of Water Reservoir in Pakistan. [ABSTRACT](#)
- Nazir, N. and Yaseen, M. (2016) Assessing the In-control Robustness of Progressive Mean Control Chart. *14-th International Conference on Statistical Sciences, Jinnah Sindh*

Research Interests

agriTutorial: Tutorial Analysis of Some Agricultural Experiments

Example software for the analysis of data from designed experiments, especially agricultural crop experiments. The basics of the analysis of designed experiments are discussed using real examples from agricultural field trials. A range of statistical methods using a range of R statistical packages are exemplified. The experimental data is made available as separate data sets for each example and the R analysis code is made available as example code. The example code can be readily extended, as required.

Version: 0.1.5
Depends: R ($\geq 3.1.0$)
Imports: [lmerTest](#), [emmeans](#), [pbkrtest](#), [lattice](#), [nlme](#), [ggplot2](#)
Suggests: [R.rsp](#)
Published: 2019-06-01
Author: Rodney Edmondson [aut, cre], Hans-Peter Piepho [aut, ctb], Muhammad Yaseen [aut, ctb]
Maintainer: Rodney Edmondson <rodney.edmondson at gmail.com>
License: [GPL-2](#) | [GPL-3](#) [expanded from: GPL (≥ 2)]
NeedsCompilation: no
In views: [Agriculture](#)
CRAN checks: [agriTutorial results](#)

Documentation:

Reference manual: [agriTutorial.pdf](#)
Vignettes: [Tutorial Analysis of Some Agricultural Experiments](#)

Downloads:

Package source: [agriTutorial_0.1.5.tar.gz](#)

Research Interests



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Tutorial Analysis of Some Agricultural Experiments

Hans-Peter Piepho*, Rodney Edmondson† and Muhammad Yaseen‡

Contents

- 1 **Example 1: Split-plot design with one qualitative and one quantitative factor**
 - 1.1 Section 1
 - 1.2 Section 2
 - 1.3 Section 3
- 2 **Example 2: Lack-of-fit and marginality for a single quantitative treatment**
- 3 **Example 3: Polynomial regression model with two quantitative level treatments**
- 4 **Example 4: One qualitative treatment factor with repeated measurements**
 - 4.1 Section 1
 - 4.2 Section 2
 - 4.3 Section 3

Research Interests

eda4treeR: Experimental Design and Analysis for Tree Improvement

Provides data sets and R Codes for E.R. Williams, C.E. Harwood and A.C. Matheson (2023). Experimental Design and Analysis for Tree Improvement, CSIRO Publishing.

Version: 0.6.0
Depends: R (\geq 4.1.0)
Imports: [car](#), [dae](#), [dplyr](#), [emmeans](#), [ggplot2](#), [lmerTest](#), [magrittr](#), [predictmeans](#), stats, [supernova](#)
Suggests: [testthat](#)
Published: 2023-05-01
Author: Muhammad Yaseen  [aut, cre, cph], Sami Ullah [aut, ctb], Kent M. Eskridge [aut, ctb], Emlyn Williams [aut, ctb]
Maintainer: Muhammad Yaseen <myaseen208 at gmail.com>
BugReports: <https://github.com/myaseen208/eda4treeR/issues>
License: [GPL-3](#)
URL: <https://github.com/MYaseen208/eda4treeR> <https://CRAN.R-project.org/package=eda4treeR> <https://myaseen208.com/eda4treeR/>
<https://myaseen208.com/EDATR/>
NeedsCompilation: no
Citation: [eda4treeR citation info](#)
Materials: [README](#) [NEWS](#)
CRAN checks: [eda4treeR results](#)

Documentation:

Reference manual: [eda4treeR.pdf](#)

Downloads:

Research Interests

Experimental Design and Analysis for tree Improvement using R

AUTHOR
Muhammad Yaseen

PUBLISHED
2023-04-15

Preface

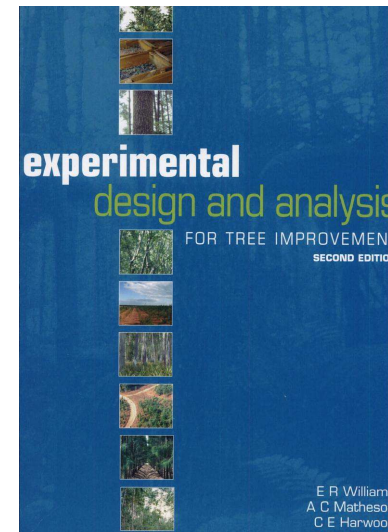
This book contains R codes and tutorials from R package [eda4treeR](#) on [Experimental Design and Analysis for tree Improvement](#) by E.R. Williams, C.E. Harwood and A.C. Matheson.

The development version of R package [eda4treeR](#) can be installed from [github](#) as follows:

```
if (!require("remotes")) install.packages("remotes")
remotes::install_github("myaseen208/eda4treeR")
```

The stable version of R package [eda4treeR](#) can be installed from [CRAN](#) as follows:

```
install.packages("eda4treeR")
```



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Experimental Design and Analysis for tree Improvement using R

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91%



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Table of Contents

1	Introduction
2	Experimental Design
3	Statistical Analysis
4	Simulation
5	Conclusion

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Experimental Design and Analysis for tree Improvement using R

Muhammad Yaseen

2023-04-15



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Pakistan Education Statistics 2017-18

Muhammad Yaseen

Pakistan Education Statistics 2017-18

Pakistan Education Statistics

2017-18

Research Interests

Benazir Income Support Programme

15 Years' Journey from Inception to a Globally Recognized Social Protection Program

AUTHOR

Policy & Research Unit

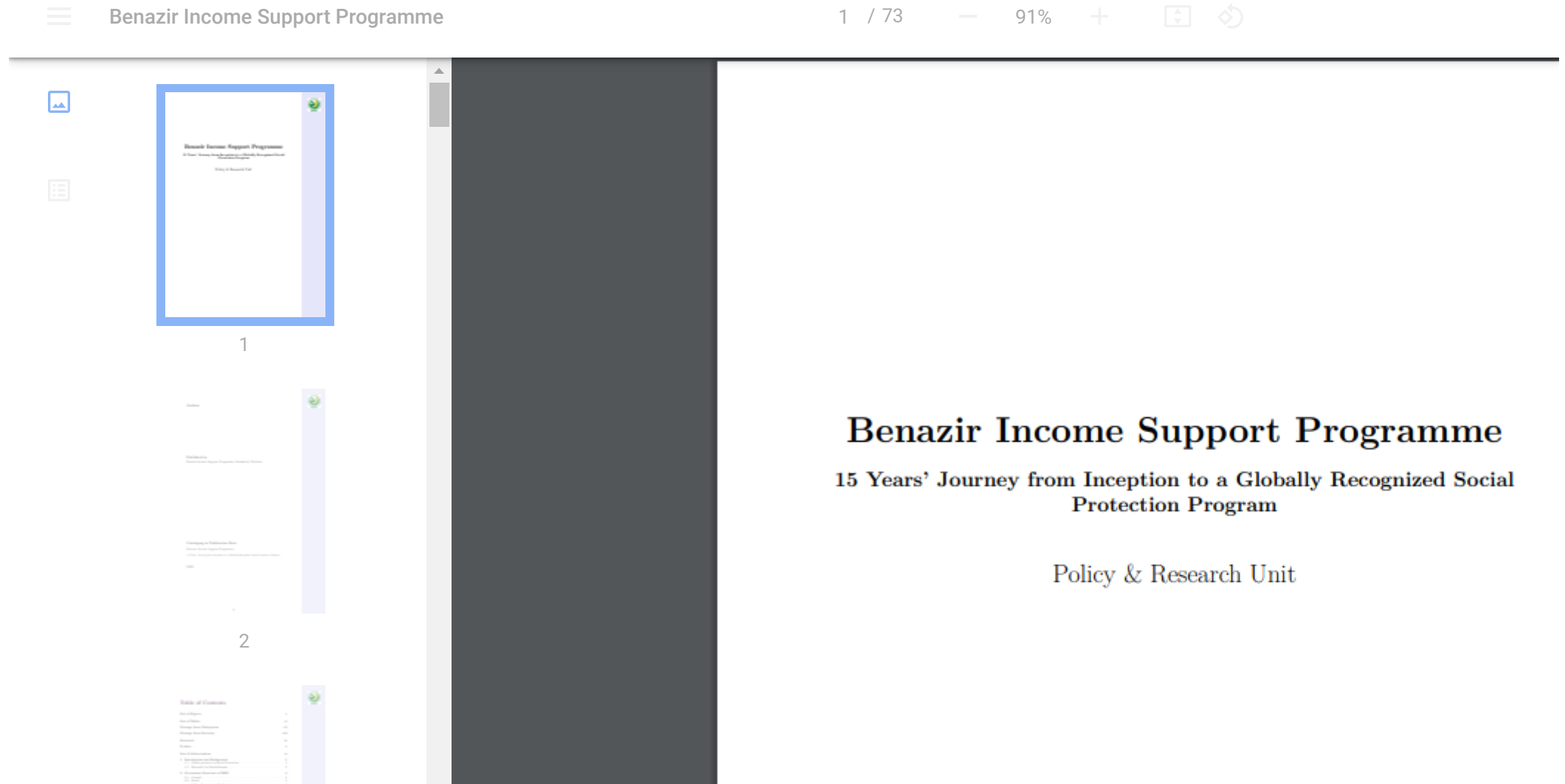
Message from Chairperson



Authored by Policy & Research Unit (PRU), BISP.

This book was built with [Quarto](#).

Research Interests



Research Interests

The screenshot shows a GitHub repository page for 'myaseen208 / UAFThesis'. The repository is public and has 2 watchers, 1 fork, and 0 stars. The main content area displays a commit history table with the following entries:

Commit Message	Commit Hash	Date	Commits
myaseen208 Removed files from repository	9537373	on Jul 11, 2017	9 commits
01ThesisFront	Updates	6 years ago	
02ThesisMain	Updates	6 years ago	
03ThesisBibliography	Updates	6 years ago	
Documentation	Updates	6 years ago	
LICENSE	UAFThesis	6 years ago	
MPhilThesis.tex	Updates	6 years ago	
Makefile	Updates	6 years ago	

The right sidebar contains the 'About' section, which describes the repository as a 'LaTeX class for the Thesis of the University of Agriculture, Faisalabad-Pakistan'. It also includes a link to 'uaf.edu.pk/', a 'Readme' file, a 'GPL-3.0 license', and activity statistics: 0 stars, 2 watching, and 1 fork.

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All posts by date

Spatial Analysis of Pakistan Population Census 2017

13 May 2018

R, ppcSpatial, Pakistan Population Census 2017

The latest version of the ppcSpatial package for R is now on CRAN. It performs spatial analysis for exploration of Pakistan Population Census 2017 (<http://www.pbscensus.gov.pk/>). It uses data from R package PakPC2017.

The Spatial map is

☰ Muhammad Yaseen

404

MYaseen208

Thoughts on statistics, Research, R, Python, LaTeX, and other distractions.

- [Why I write this](#)
- [Looking for help?](#)

Topics covered

ancova anova bioinformatics
biostatistics data-
science diallel-analysis dmaic
google-apps latex linear-mixed-
models linear-model pakistan-
population-census-2017
ppcspace python
quality-control r regression-
analysis
research six-sigma
spss statistics

Research Interests

Research Interests

1 Introduction

Quotation (William E. Deming)

In God we trust, all others must bring data.

Quotation (H.G. Wells)

Statistical thinking will one day be as necessary a qualification for efficient citizenship as the ability to read & write.

Quotation (R. A. Fisher)

To call in the statistician after the experiment is done may be no more than asking him to perform a postmortem examination: he may be able to say what the experiment died of.

Quotation (Abraham Maslow)

If all you have is a hammer, everything looks like a nail.



Research Interests

[MYaseen208](#)

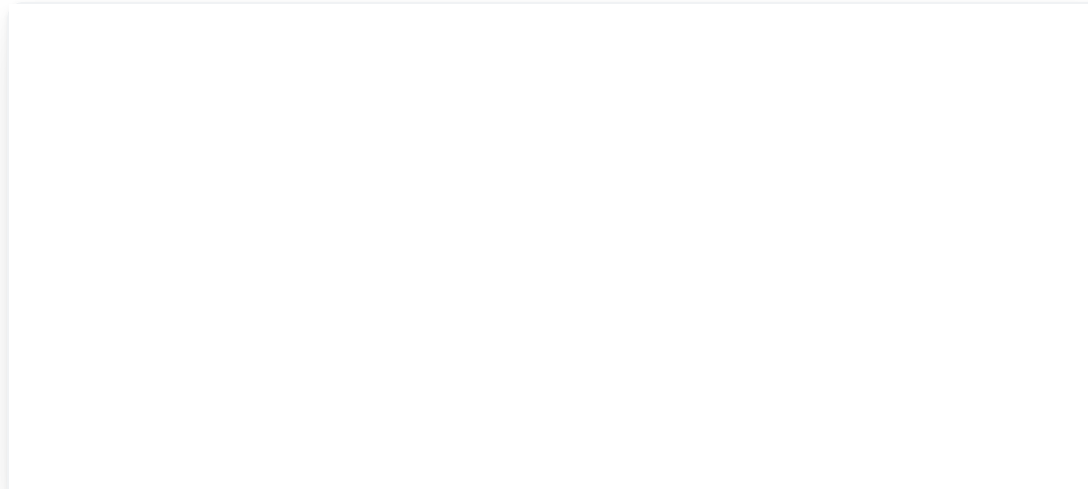
Blogs ▾ Python ▾ Urdu About



Shinylive in Quarto example

1 Embedded Shiny application





To display a running Shiny app, use a code block with `{shinylive-python}`.



Research Interests

exams: Automatic Generation of Exams in R

Automatic generation of exams based on exercises in Markdown or LaTeX format, possibly including R code for dynamic generation of exercise elements. Exercise types include single-choice and multiple-choice questions, arithmetic problems, string questions, and combinations thereof (cloze). Output formats include standalone files (PDF, HTML, Docx, ODT, ...), Moodle XML, QTI 1.2, QTI 2.1, Blackboard, Canvas, OpenOlat, ILIAS, TestVision, Particify, ARSnova, Kahoot!, Graspale, and TCExam. In addition to fully customizable PDF exams, a standardized PDF format (NOPS) is provided that can be printed, scanned, and automatically evaluated.

Version: 2.4-0
Depends: R ($\geq 3.4.0$)
Imports: graphics, grDevices, stats, tools, utils, [base64enc](#), [knitr](#), [rmarkdown](#)
Suggests: [magick](#), [openxlsx](#), parallel, [png](#), [RCurl](#), [RJSONIO](#), [tinytex](#), [tth](#), [xml2](#)
Published: 2022-10-17
Author: Achim Zeileis  [aut, cre], Bettina Gruen  [aut], Friedrich Leisch  [aut], Nikolaus Umlauf [aut], Mirko Birbaumer [ctb], Dominik Ernst [ctb], Patrik Keller [ctb], Niels Smits  [ctb], Reto Stauffer [ctb], Kenji Sato [ctb], Florian Wickelmaier [ctb]
Maintainer: Achim Zeileis <Achim.Zeileis at R-project.org>
BugReports: <https://www.R-exams.org/contact/>
License: [GPL-2](#) | [GPL-3](#)
URL: <https://www.R-exams.org/>
NeedsCompilation: no
SystemRequirements: pandoc (≥ 2.0)
Citation: [exams citation info](#)
Materials: [NEWS](#)
In views: [ReproducibleResearch](#), [TeachingStatistics](#)
CRAN checks: [exams results](#)