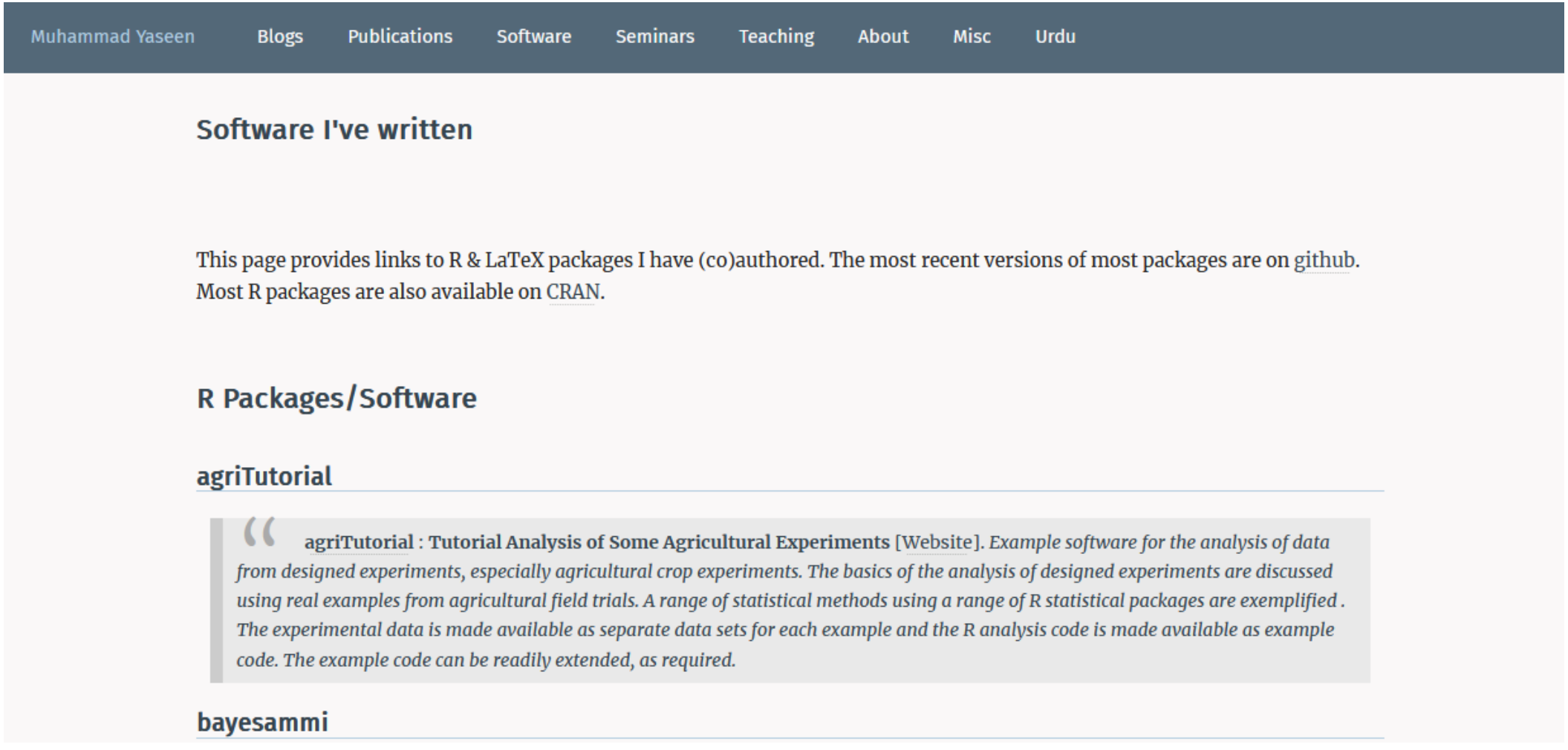
Research Interests

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)



Research Interests (Publications)

Curriculum Vitae

Google Scholar

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Unpublished working papers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 (≥ 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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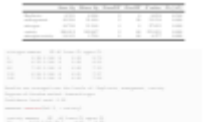
2



Tutorial Analysis of Some Agricultural Experiments

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

Contents

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 (≥ 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

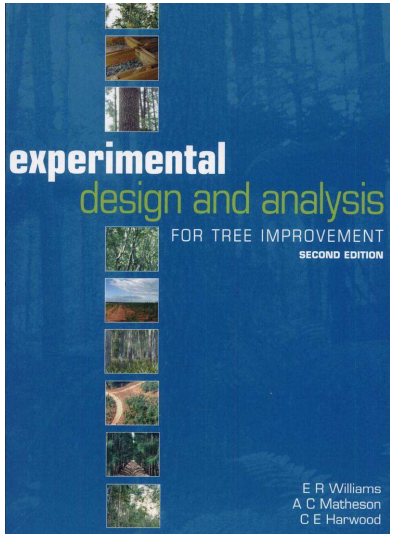
Experimental Design and Analysis for tree Improvement using R

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.



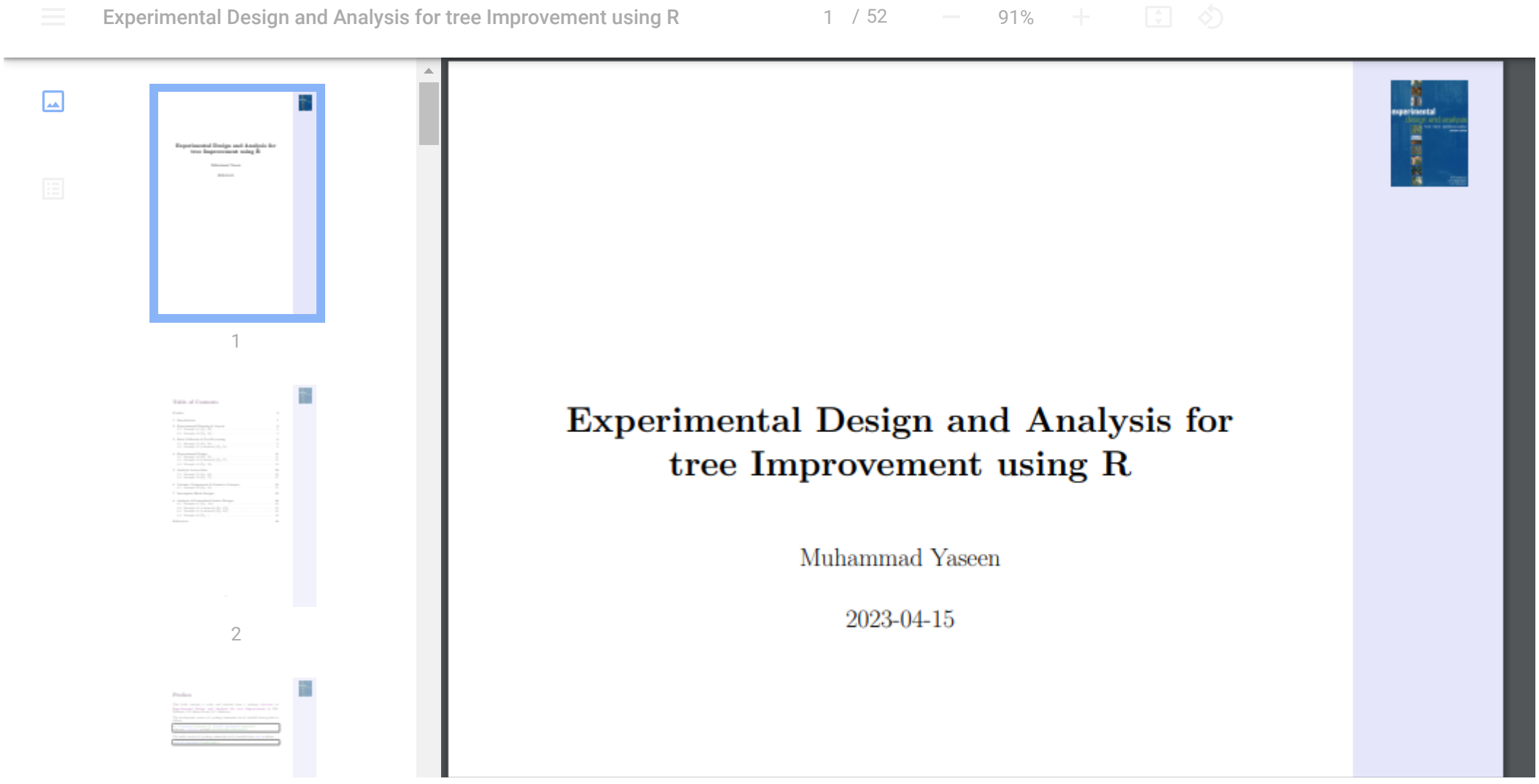
The development version of `R` package `eda4treeR` can be installed from `github` as follows:

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

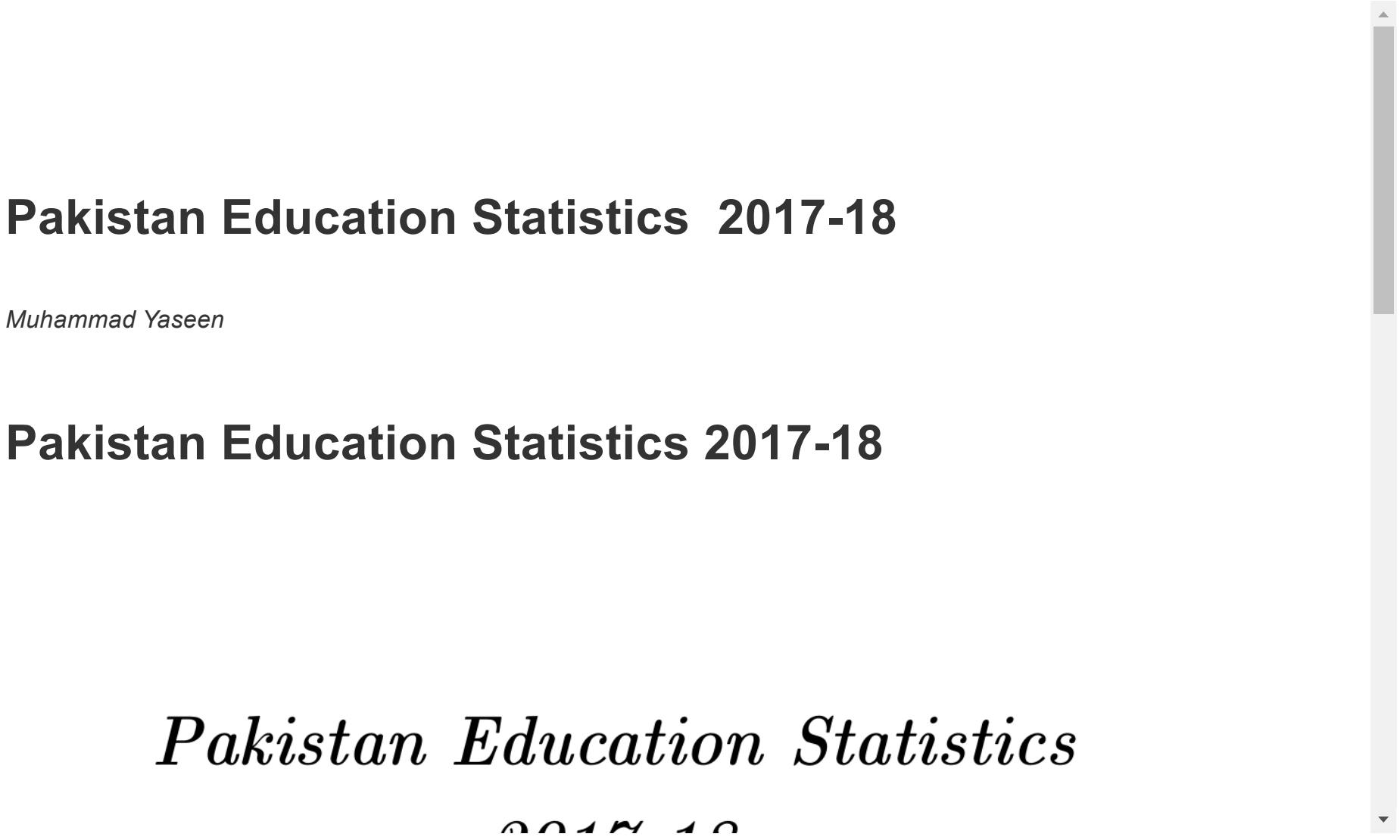
The stable version of `R` package `eda4treeR` can be installed from `CRAN` as follows:

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

Research Interests



Research Interests



Pakistan Education Statistics 2017-18

Muhammad Yaseen

Pakistan Education Statistics 2017-18

Pakistan Education Statistics

Research Interests

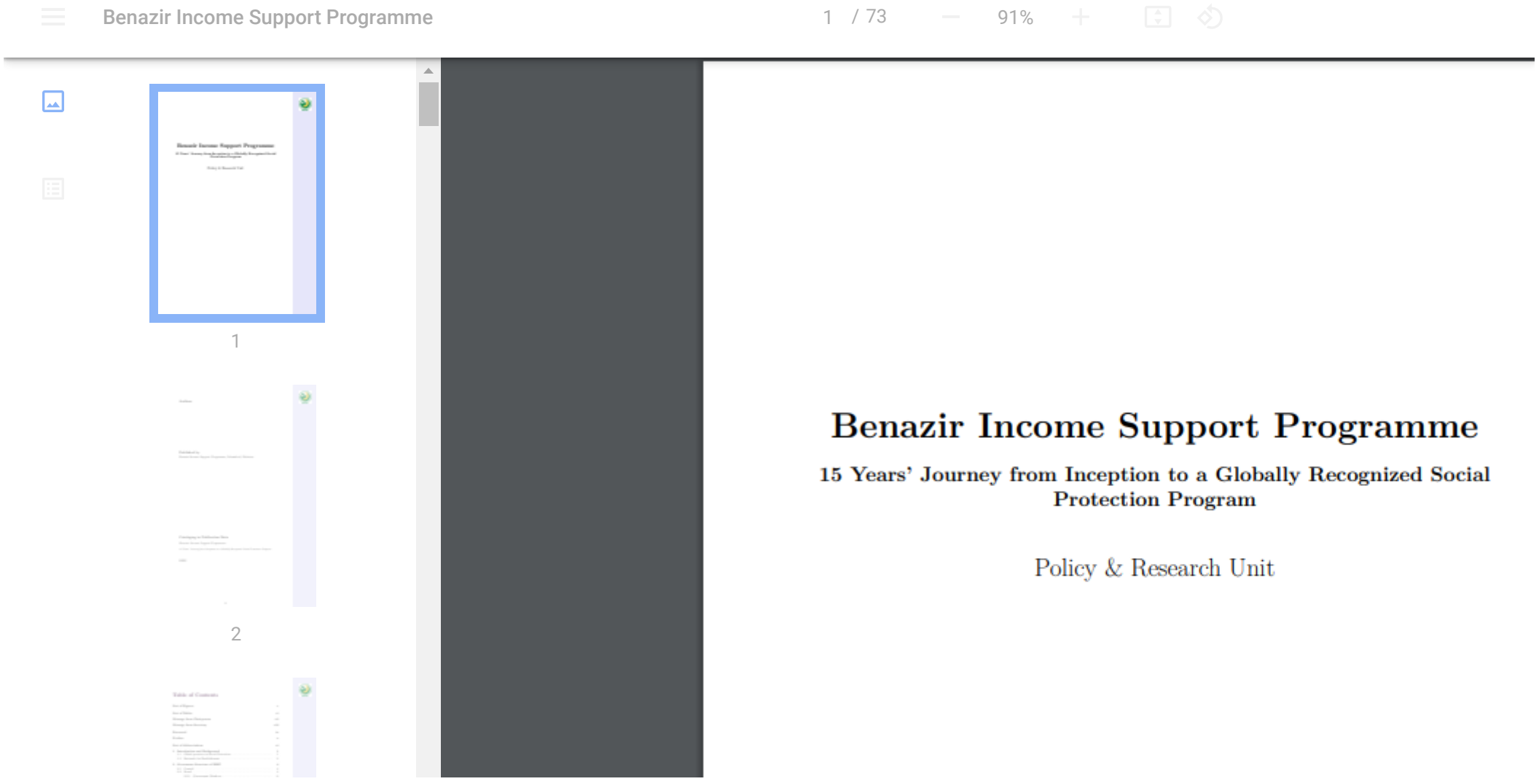
Benazir Income Support Programme

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

AUTHOR
Policy & Research Unit

Message from Chairperson

Research Interests



Research Interests

Muhammad Yaseen Blogs Publications Software Seminars Teaching About Misc Urdu

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 ppcspatial python quality-control r regression-analysis research six-sigma spss

Research Interests

Research Interests

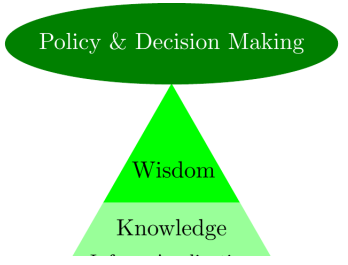
1 Introduction

> **Quotation (William E. Deming)**
>
> *In God we trust, all others must bring data.*

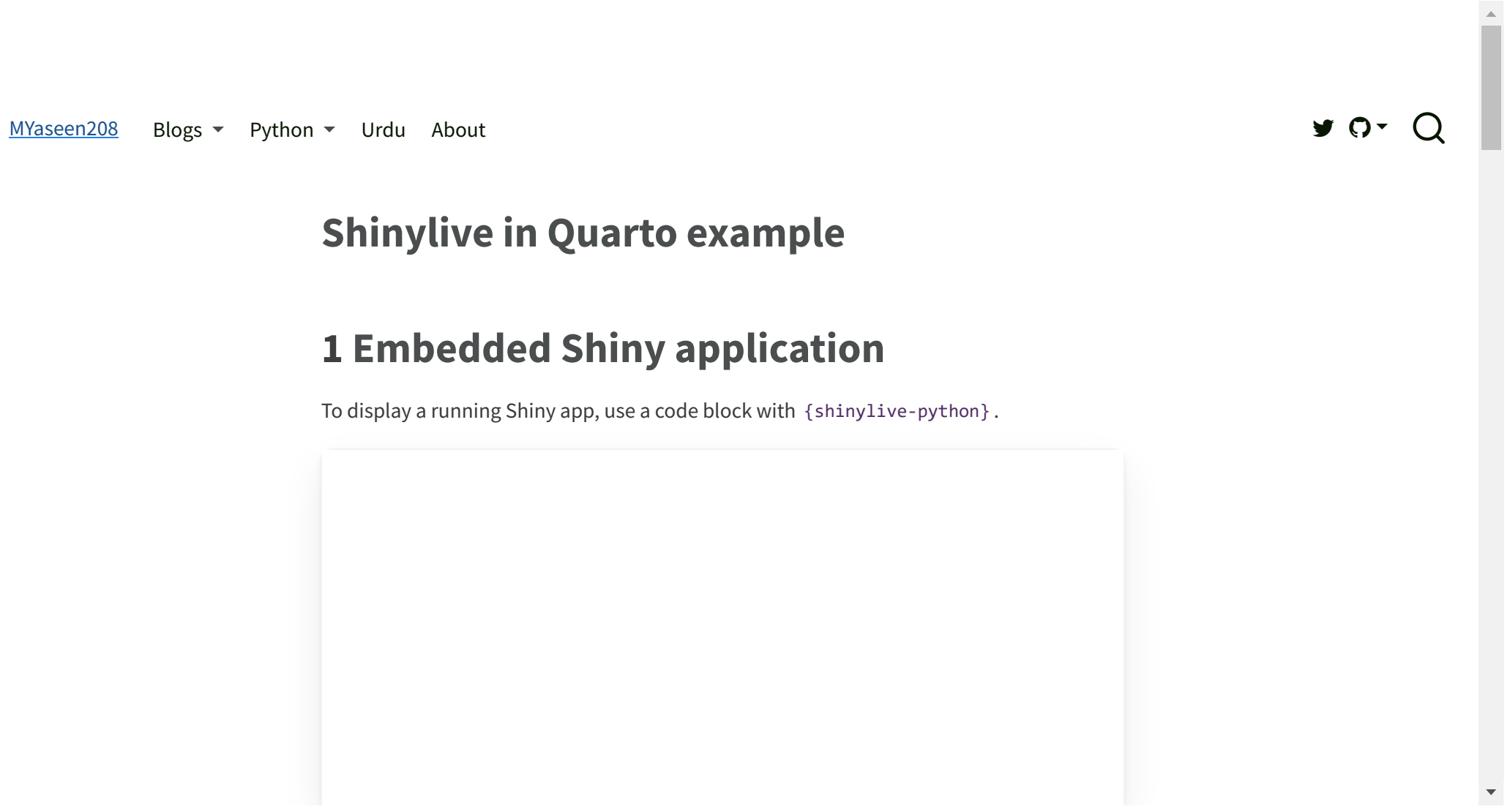
> **Quotation (H.G. Wells)**
>
> *Statistical thinking will one day be as necessary a qualification for efficient citizenship as the ability to read & write.*

> **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



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!, Grasple, 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 (≥ 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