Analytics for the Australian Grains Industry - Curtin University (AAGI-CU)
Technical Report Series: 123

Descriptive title for report
Report for AAA–BBB

Prepared for: collab\_partner (collab\_partner@email.com.au)

Prepared by: Your.Name

Project Lead: Curtin University – Prof Mark Gibberd, Dr Julia Easton, Prof Adam Sparks

email: cbada@curtin.edu.au

December 11, 2024

Table of contents

# Executive summary

What was provided by AAGI and the main results?

# Introduction

* Goals of the research project.
* Background, context and rationale behind the research.

# Experimental/Trial Design

* Trial design type and layout.
* Treatments, number of replicates.
* Specific considerations for small plots, glasshouse, genetics, breeding trials, OFE projects, or bioinformatics.

# Exploratory Data Analysis and Data Visualisation

* Interpretation of plots and data.
* Rationale behind specific methods used.

# Methods

* Detailed description of the procedures and methodologies used.
* Include versions/commits on developed pipelines, scripts, and input/output details if applicable.

# Analysis (if separate from Methods)

Approach taken for data analysis.

# Results and Discussion

Findings and their implications.

# Figure example

|  |
| --- |
| Figure 1: An example figure using {ggplot2}. |

# Table example

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 1: An example table using {flextable}.

| **Ozone** | **Solar.R** | **Wind** | **Temp** | **Month** | **Day** |
| --- | --- | --- | --- | --- | --- |
| 41 | 190 | 7.4 | 67 | 5 | 1 |
| 36 | 118 | 8.0 | 72 | 5 | 2 |
| 12 | 149 | 12.6 | 74 | 5 | 3 |
| 18 | 313 | 11.5 | 62 | 5 | 4 |
|  |  | 14.3 | 56 | 5 | 5 |
| 28 |  | 14.9 | 66 | 5 | 6 |

 |

# Metadata and Datasets (Optional)

* md5sums for input data and outputs (if applicable).
* Git commit numbers and tags.
* Location of outputs (FAIR Data).
* DOI for AAGI outputs.

# Map (Location, Optional)

Include if relevant to the project.

# References (Optional)

Cited works and literature. Box (1976)

Box, George E. P. 1976. “Science and Statistics.” *Journal of the American Statistical Association* 71 (356): 791–99. <https://doi.org/10.1080/01621459.1976.10480949>.

# Appendix (Optional)

Additional supporting information.