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

**Descriptive title for report  
Report for AAA–BBB**

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January 29, 2025

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## 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   |

| Ozone | Solar.R | Wind | Temp | Month | Day |
|-------|---------|------|------|-------|-----|
| 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

Cited works and literature. Box (1976)

Box, G.E.P. (1976) [Science and statistics](#). *Journal of the American Statistical Association*, **71**, 791–799.

## Appendix (Optional)

Additional supporting information.