

---

# **Analytics for the Australian Grains Industry - Curtin University (AAGI-CU)**

## **Technical Report Series: 123**

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

**Adam Sparks**

**Email: [cbada@curtin.edu.au](mailto:cbada@curtin.edu.au)**

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

**September 24, 2024**

---

# Table of contents

<b>Executive summary</b> . . . . .	<b>2</b>
<b>Introduction</b> . . . . .	<b>2</b>
<b>Experimental/Trial Design</b> . . . . .	<b>2</b>
<b>Exploratory Data Analysis and Data Visualisation</b> . . . . .	<b>2</b>
<b>Methods</b> . . . . .	<b>2</b>
<b>Analysis (if separate from Methods)</b> . . . . .	<b>2</b>
<b>Results and Discussion</b> . . . . .	<b>2</b>
<b>Metadata and Datasets (Optional)</b> . . . . .	<b>3</b>
<b>Map (Location, Optional)</b> . . . . .	<b>3</b>
<b>References</b> . . . . .	<b>3</b>
<b>Appendix (Optional)</b> . . . . .	<b>3</b>

## 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.

## 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.