

AIMS SIG Introduction and 2025 Update

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 The world leader in serving science

Outline

1 Setting the Scene

2 History

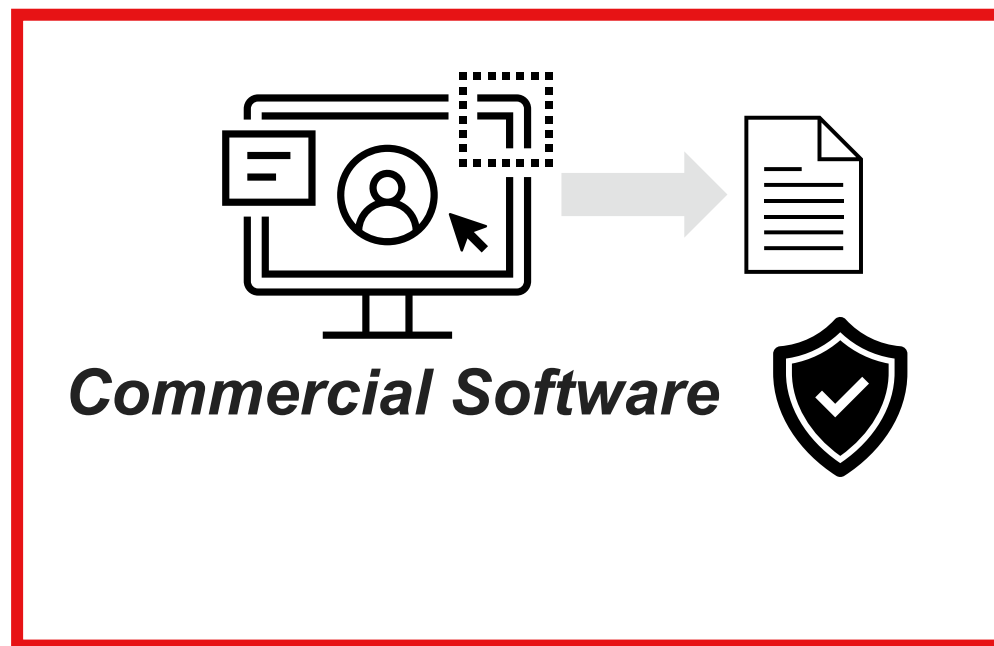
3 Aim and Goals

4 Members

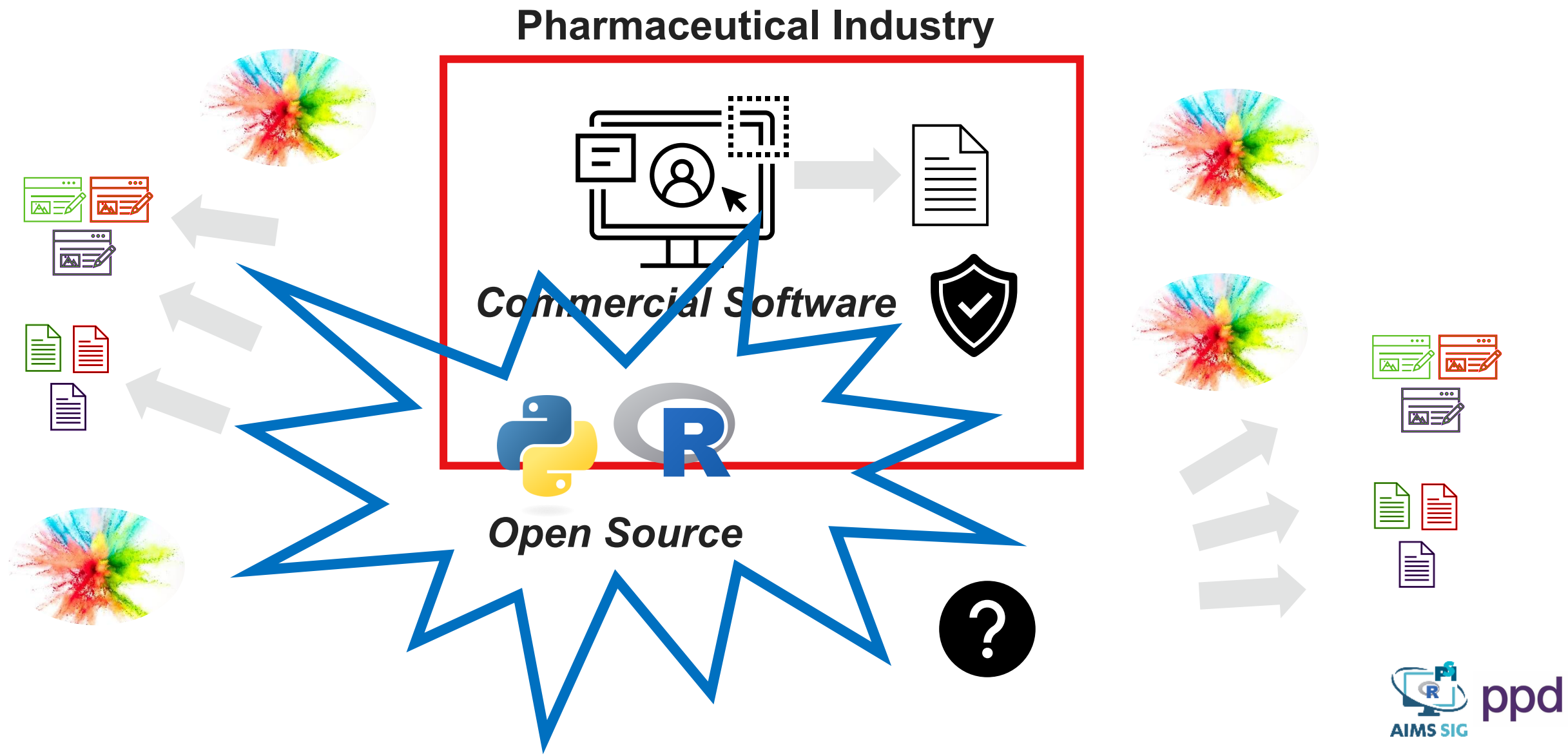
5 Blog Series / Website

6 Change Management

Pharmaceutical Industry



Setting the Scene



Open Source

Benefits & Concerns

- + Innovation
- + Speed
- + Transparency
- + Collaboration
- + Sharing



- + Validation
- + Regulatory
- + Adoption



Set up in 2016 to:

- support PSI with the technological application and implementation of statistics
- develop understanding of new analytical tools and approaches
- ensure PSI & EFSPI members are supported with understanding the requirements for the implementation of industry data standards



Current Aim and Focus



To promote, support and contribute to researching the use of R within the industry

Current Goals

Identifying the key R topics and areas of interest

Supporting and influencing the R working groups & collaborations

Sharing knowledge and information in appropriate ways with the PSI community

Looking to bring a statistical presence to discussions on R

Ensuring the industry stays up to date with technological advancement

Who We Are

Matthew Neilson (PHASTAR)

Andy Nicholls (GSK)

Marie-Laure Casadebaig (Incyte)

Lyn Taylor (Parexel)

Irene Vassallo (Incyte)

Mark Bynens (J&J)

Michael Cartwright (Parexel)

Min-Hua Jen (Eli Lilly)

Christina Fillmore (GSK)

Martin Brown (PPD)

Simone Modolo (Evotec)

Yannick Vandendijck (J&J)



More Members



We Need You!



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Hype

Panic



Open-Source Skills

1) Why Open-Source Skills are Important

- 2) Open source landscape basics
- 3) How do I find / review packages?
- 4) Popular open-source stats resources (CAMIS, Pharmaverse, AIMS, Openstatsware etc.)
- 5) Good coding practices (style guides)
- 6) Collaborating with people on packages (CRAN email, GitHub intro)
- 7) How to file a GitHub issue
- 8) How to carry out a GitHub pull request
- 9) Containers introduction
- 10) Parallelization – what is the minimum amount I need to understand about the system to be successful?



The screenshot displays the PSI AIMS SIG Website. The top navigation bar includes links for Home, About, Why R?, Zero to R-tist, R Collaborations, News, Meeting Minutes, and Blog. A large QR code is positioned on the left side of the page. The main content area features the AIMS SIG logo and the title 'PSI AIMS Special Interest Group'. Below this, a hexagonal diagram illustrates the group's focus areas: Collaboration, News, Resources, PSI and Pharma, Statistics, and Why R?. The article 'Why Open-Source Skills are Important' is highlighted, with a sub-header 'OPEN SOURCE SKILLS'. The article's author is PSI AIMS, and it was published on May 13, 2025. The article's introduction discusses the challenges of open-source in the pharmaceutical industry and the importance of open-source skills. A table of contents on the right side of the article lists the sections: Introduction, What do open-source skills bring?, Where do I begin?, Introducing Open Source Skills, and Conclusion. The bottom of the page features the AIMS SIG logo and the PPD logo.

PSI AIMS SIG Website | Home | About | Why R? | Zero to R-tist | R Collaborations | News | Meeting Minutes | Blog

AIMS SIG
PSI AIMS Special Interest Group

When it comes to R in the Pharma industry, we would like to point you in the right direction! See some starter links in the hexes to the right

Collaboration | News | Resources | PSI and Pharma | Statistics | Why R?

Why Open-Source Skills are Important
OPEN SOURCE SKILLS

AUTHOR: PSI AIMS | PUBLISHED: May 13, 2025

Introduction

In a pharmaceutical industry that is rapidly changing and evolving, there can be many reactions to open-source, from worry and fear on the one side, to over-excitement and 'jumping on the band-wagon' on the other. The aim of this blog post and others throughout the year from the PSI AIMS SIG is to show that open-source skills are important. They can increase your work efficiencies and enhance your career, whatever type of statistician or data scientist you are! Therefore, we will present a range of essential skills and foundational concepts in a clear and accessible manner.

What do open-source skills bring?

Open-source is a positive shift in mindset challenging the status quo incorporating the following traits:

- Faster innovation
- Increased efficiency
- Modular, build-and-extend models
- Better collaboration
- Standardised test frameworks
- Continuous arrival of new methods and tools being written

On this page

- Introduction
- What do open-source skills bring?
- Where do I begin?
- Introducing Open Source Skills
- Conclusion

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Change Management in R / Open Source

1

R Adoption & Change Management – a Large CRO Perspective

Martin Brown – PPD, Part of Thermo Fisher Scientific



2

Mastering the Art of Adopting R and Python: Innovative Strategies for Effective Change Management

Mark Bynens – J&J



3

R you (all) right, SAS? – Replicating statistical results between software

Lyn Taylor – Parexel

Christina Fillmore – GSK

