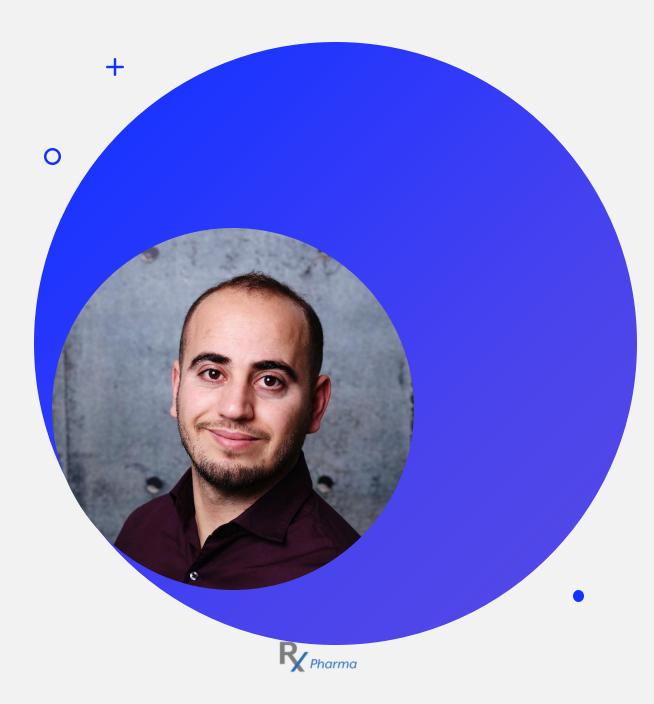# R/Pharma APAC Track
## Workshop

### Reproducible and scalable reporting using **rmarkdown** & {**heddlr**}

**Farid Azouaou**
29th  October  2024

# Brief Biography

- I am a Data Passionate with more than 10 years' experience in the field of analytics & AI for industry.

- Worked for different companies in different fields, including Mercedes-Benz Mobility before co-founding **thaink²** and becoming its CTO

- I am an **R/Shiny fan & user addict** ;)

R**X** *Pharma*

thaink²

# Useful links

- Dataset: [Patient Risk Profiles](#)
- Packages: [heddlr](#) , [rmarkdown](#)
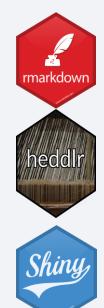- [Source code & materials](#)
- [Rpharma APAC track 2024](#)

# **Reporting using Rmarkdown**

- Interactive/static, reports/dashboards
- Programming language: R, python, bash, ...
- Open source & large community
- **Easy** syntax
- Customizable : flexdashboard, prettydoc, xaringan
- Coupled with other **frameworks** : shiny ( R & python)

# But … !!

- Lacks flexibility, if the content grows
- Can we share the reporting without sharing sensitive information ?
- What about scalability ?
- What are the best practices ?

# Magic now starts

- {rmarkdown} as a basis (or maybe: {quarto} )
- {heddlr} & {purrr} to design the layout and put all together.
- Safely share via Cloud storage or OneDive, shared repos: {pins}, {lightparse}
- Package your project and turn it into an App: {shiny},{bs4Dash}, {lintr}, {usethis},{testthis} ,{dockerfiler}

# Deployment

- [Posit](#)
- [shinyproxy](#)
- [thaink²](#)

# th**a**ink You for your attention



Paris

**Metz**

Stuttgart

## Contact

🌐 farid.azouaou@thaink2.com

📍 27 Place St -Thiébault 57000 Metz France

*Confidential*