



Informatics and Statistical
Tools for Advancement
of Research Success

D2.3: Organise a symposium on data visualization

Project Deliverable



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Abstract	<p>iSTARS is a project of Faculdade de Medicina da Universidade de Lisboa (FMUL – Lisbon School of Medicine) that aims to develop an excellent program in data science in Medicine.</p> <p>Data analysis and data research are not enough to be communicated as data results are often difficult to interpret to scientists from different fields or other audiences outside academia. Data visualization and data storytelling are powerful tools to unleash the potential of data in the communication of scientific research. The symposium on data visualization, was transformed into a hands-on training session, where trainees had the opportunity to work on health databases to experiment new tools that could strengthen their capacity of communicating their research and research results.</p>

History of versions

Version	Date	Changes	Authors
1.1	23.05.2025	First draft.	Brígida Riso, Beatriz Sousa
1.2	29.05.2025	Final version.	Brígida Riso, Beatriz Sousa

Index

Executive Summary 5

Workshop 6

Goals 6

Workshop trainers 6

Dissemination 8

Attendance 11

Photo report 12

Executive Summary

iSTARS is a project of Faculdade de Medicina da Universidade de Lisboa (FMUL – Lisbon School of Medicine) that aims to develop an excellent unit in data science and medicine. Great scientific research has to be properly communicated. In the case of iSTARS, data and health data assume are particularly prominent, having a major role being not only the result, but also the subject of research.

For this reason, proper data visualization techniques are key to communicate iSTARS message to different audiences in an adequate manner. Visualization also allows to tell stories and to open the hidden potential of a hermetic graphic or dataset, being able to provide meaning to numbers and graphics.

To this end, the symposium on data visualization was intended to scientists interested in unleashing the potential of their data, through visual tools. The workshop was offered integrated in iSTARS AI Health Summit, the first iSTARS international meeting to disseminate project outcomes (**deliverable 5.2**).

This document is deliverable **deliverable 2.3 organize a symposium on data visualization**.

An interdisciplinary symposium dedicated to data visualization as key part of data analytics.

Although the meeting was a public event, in this document, we will try to leave a glimpse of the meeting, hosted by FMUL on the afternoon of 16th May 2025.

Workshop

The data visualization workshop was an afternoon training session where participants had the opportunity to learn, experiment and discuss topics around data visualization. This was an interactive workshop to equip researchers, healthcare professionals, and students with practical tools to visualize and communicate health data effectively.

Goals

- Provide participants with straightforward methodologies and best practices for presenting data in a clear, concise manner.
- Equip attendees with practical tips, techniques, and approaches they can apply directly in their day-to-day work.
- Foster a creative mindset, encouraging participants to explore new ideas and techniques to enhance their data visualization skills.

Stefan Pullen and Martina Zunica organise a 3-hour practical workshop designed to help researchers, healthcare professionals, and students develop the skills needed to visualize and communicate health data clearly and effectively, through a combination of presentations, demonstrations, and hands-on exercises, working with real health-related datasets and user-friendly tools such as Flourish.

The workshop introduces straightforward methodologies and best practices for presenting complex information in a concise, accessible manner. Participants gain practical tips and techniques they can apply in their daily work, while also being encouraged to adopt a creative mindset and explore new ways of enhancing their data visualization skills.

Workshop trainers

Stefan Pullen, *Vizard Design*

Stefan Pullen is an information designer with a focus on visual data storytelling, and an extensive portfolio in this field. In addition to being a specialist in data visualization, he holds a degree in neuroscience. Pullen has also received awards for his work in visual storytelling, notably the Silver Rising Star award from the Information is Beautiful Awards in 2023.

Martina Zunica, *Infogr8*

Martina Zunica is an information designer, passionate about transforming data into powerful visual narratives. Specializing in creative storytelling through data visualizations, infographics, and reports, she brings clarity and originality to complex information. Martina has taught Information Design at the university level, spoken at international conferences, and led hands-on workshops exploring the art of visualizing data. She is also the co-founder of a thriving community of data visualization practitioners on Telegram, where she co-leads the Journal DataViz Challenge—a project focused on uncovering the meaning of small data in everyday life.












Dissemination

The event was disseminated in the FMUL newsletter, LinkedIn and Instagram accounts and on iSTARS Instagram, X, and LinkedIn. The event benefited of being offered as part of the iSTARS AI Health Summit. As it was integrated in its dissemination.

The information was also available in our website: <https://istars.pt/2025/03/05/istars-health-ai-summit-2025/>

The image shows two social media posts. The top post is from the LinkedIn profile of iSTARS FMUL, which has 780 followers. The post text reads: "You can now register for free for the iSTARS Health AI Summit 2025, taking place on May 15-16 at the Grand Auditorium João Lobo Antunes, Lisbon Medical School! Join us for two days of discussions, interactive sessions, and project showcases on artificial intelligence, data science, precision medicine, genomics, real-world evidence, healthcare ethics, and data visualization. Check out the full schedule below! Attendance is free, but registration is required – secure your spot here: <https://lnkd.in/dq45sT5> #healthai #precisionmedicine #genomics". Below the text is a promotional graphic for the summit. The graphic features the FMUL logo and the text "iSTARS Health AI Summit 2025" and "Grand Auditorium João Lobo Antunes / FMUL". It also specifies the dates "15th & 16th of May" and "DAY 1". A schedule for Day 1 is provided: 09:00 Registration; 09:30 Opening Session (Guests: Pedro e João Guimarães); 09:50 iSTARS and the Future of Data Science in Healthcare (João Guimarães); 10:20 Genomics for the Identification of New Biomarkers (Santiago Carralho); 10:50 iSTARS Showcase: MCCP-Breast (Eliana Barreira).

The bottom post is from the Instagram profile of istars.fm.ul and facultademedicina.ulisboa. The post text reads: "O iSTARS Health AI Summit 2025 terá lugar nos dias 15 e 16 de maio! Será um evento de dois dias com a participação de especialistas em ciência de dados, medicina de precisão, genómica e visualização de dados, com mesas-redondas, workshops e apresentações de projetos. Local: Grande Auditório João Lobo Antunes, Faculdade de Medicina da Universidade de Lisboa Programa e inscrições em breve! Fica atento para mais novidades! Save the Date! The iSTARS Health AI Summit 2025 is happening on May 15-16! This will be two-day event featuring leading experts in data science, precision medicine, genomics, and data visualization, with round tables, workshops, and project showcases. Location: Grand Auditorium João Lobo Antunes, Lisbon Medical School Program & registration coming soon!". The graphic for this post includes the FMUL logo, the text "Grande Auditório João Lobo Antunes / FMUL", "iSTARS Health AI Summit 2025", "15 e 16 Maio SAVE THE DATE", and logos for iSTARS and the European Union ("Financiado pela União Europeia").

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iSTARS
69 posts

Posts Replies Highlights Articles Media Likes


iSTARS @IstarsFMUL · Apr 3






Register now for free for the iSTARS Health AI Summit 2025! Join us on May 15-16 at the Grand Auditorium João Lobo Antunes for discussions on AI, data science, precision medicine & more. Check the program below & sign up here: fmul.up.events/e/istars-health-ai #HealthAI #DataScience




The image shows a detailed program schedule for the iSTARS Health AI Summit 2025, held on May 15th and 16th at the Grand Auditorium João Lobo Antunes, FMUL. The schedule is divided into Day 1 and Day 2, with specific times and topics listed for each session.

Day	Time	Topic
DAY 1	09:00	Registration
	09:30	Opening Session (post-prandial discussion)
	09:50	SI MS and the Future of Data Science in Healthcare (post-prandial discussion)
	10:20	Genomics for the Identification of New Biomarkers (post-prandial discussion)
	10:50	iSTARS Showcase: MOCOP Breast (post-prandial discussion)
	11:30	Coffee Break
	11:40	iSTARS Showcase: B and T Cells (post-prandial discussion)
	12:00	Value-Based Healthcare (post-prandial discussion)
	12:30	Lunch & Networking
	14:00	Clinical Decision Support (post-prandial discussion)
	14:30	AI for Radiology (post-prandial discussion)
	15:00	iSTARS Showcase: Skeletal Metastasis (post-prandial discussion)
DAY 2	09:00	iSTARS Showcase: REDCap (post-prandial discussion)
	09:30	Real-World Evidence in Clinical Research (post-prandial discussion)
	10:00	Keynote: AI in Healthcare (post-prandial discussion)
	11:00	Coffee Break
	11:30	Roundtable Discussion: Health Data (post-prandial discussion)
	12:30	Ethics in Data-Driven Healthcare (post-prandial discussion)
	13:00	Closing Session
	13:30	Lunch
	14:30	Workshop: Health Data Visualization (post-prandial discussion)
	17:00	End of the Workshop



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Nos dias 15 e 16 de maio, a FMUL recebe o iSTARS Health AI Summit 2025, dedicado à ciência de dados em saúde e à inteligência artificial aplicada à medicina.

Durante dois dias, clínicos, investigadores e especialistas vão debater temas centrais para o futuro da saúde, como Genómica, Medicina de Precisão, Transformação Digital em Saúde, Real World Evidence, Ética na utilização de dados de saúde, e Visualização de Dados


O programa inclui:


- Palestras e uma mesa-redonda com oradores convidados
- Apresentações de trabalhos do projeto **iSTARS FMUL**
- Workshop interativo de visualização de dados


Local: Grande Auditório João Lobo Antunes, Faculdade de Medicina de Lisboa

Inscrição gratuita (obrigatória) e mais informações aqui ↓
<https://lnkd.in/dC8aHFGR>




Programa iStars Health AI Summit 2025 - 1 page







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9

iSTARS Health AI Summit 2025



Thursday, 15th of May and Friday, 16th of May 2025

Grand Auditorium João Lobo Antunes, Egas Moniz Building, Lisbon Medical School (FMUL)

iSTARS will be hosting a conference on Health AI on May 15th and 16th, 2025!

Artificial intelligence holds the potential to revolutionize healthcare by enabling more efficient services, improving treatments, and advancing medical knowledge, all of

Attendance

The workshop was designed to be face-to-face with a hands-on approach to data visualization.

This particular event was not recorded.

The event was offered free of charge to the attendants and was fully booked (25 participants). The participants came from multiple professional areas, almost half were students, either medical students or from other scientific areas, as it is illustrated below in figure 1.

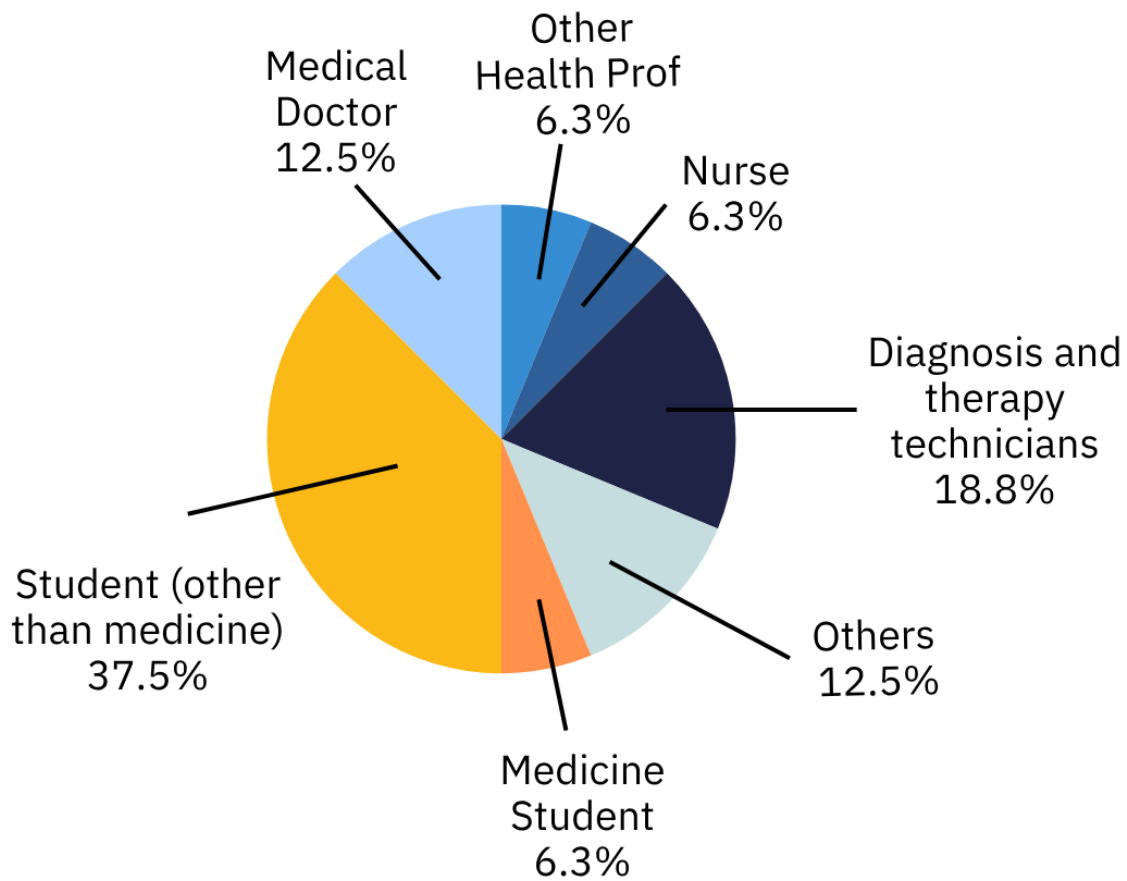


Figure 1 – Distribution of attendants by Job Title

Photo report



