

ISTAART Immersives: Fundamentals of Data Visualization and Communication in Dementia Research

Saturday, July 11, 2026 | 8 a.m. - 12 p.m.
Cutty Sark — InterContinental — London, United Kingdom
All times are in British Summer Time
In-person attendance only

Overview

Data visualization is important for clear communication in dementia research because it translates complex data into simple and intuitive formats. Visualizations help demonstrate patterns, trends, and relationships in data that may otherwise be difficult to interpret from raw data formats, tables, or textual descriptions. When visualizations are effective, they can also foster informed decision-making and conversations between researchers, clinicians, caregivers, and general audiences. In this session, we will start by introducing foundational visual design principles that guide the creation of clear and meaningful visualizations. This includes demonstrating how color, layout, shape, and scale can inform a viewer's interpretation; and how to choose visualizations that are most appropriate for the data. We will also discuss the wide range of visual accessibility needs such as color-vision deficiencies, low vision, and cognitive load; and how these needs influence visual design choices. In the last part of the session, participants will get hands-on practice with creating visualizations in R that are accessible and successfully communicate their findings.

Organizing Committee

- Suh Young Choi, MA
- Karen Velderrain-Lopez
- Seo-Eun Choi, PhD
- Shubhabrata Mukherjee, PhD

Target Audience

This ISTAART immersive workshop is designed for...

Learning Objectives

- Understand the basics of visual design principles and their applications in their research outputs to communicate data effectively and accurately.

- Organize designs and figures for better communication with diverse populations, including topics such as color-blindness, readability, and more.
- Learn how to produce figures in R that are accessible and follow good design principles for effective communication of data and results

Registration

Pre-conferences are offered for in-person attendance only. Preconferences require a separate registration fee in addition to AAIC full conference registration, or they may be purchased as stand-alone events. Visit alz.org/AAIC.

Agenda: Friday, July 11, 2026 | 8 a.m. - 12 p.m.

Time	Session Details	Speakers and Moderator
8:00 a.m. - 8:30 a.m.	Introduction	
8:30 a.m. - 9:00 a.m.	Opening Activity	
9:00 a.m. - 9:40 a.m.	Topic 1: Visual Design Principles	
9:40 a.m. - 9:50 a.m.	Break	
9:50 a.m. - 10:30 a.m.	Topic 2: Visual Accessibility	
10:30 a.m. - 10:45 a.m.	Break	
10:45 a.m. - 11:30 a.m.	Topic 3: Visualization Mechanics	
11:30 a.m. - 12:00 p.m.	Closing Activity	