



Storytelling Through
Data Visualization

DATA USER

Training Agenda

INTRODUCTION

Data storytelling is a methodology for communicating information, tailored to a specific audience, with a compelling narrative for better decision making. Telling data stories using visualization is making the precise impact for better results. Now, with so much data available to us, only data storytelling can put a human perspective on the increasingly complex and rapidly changing world of the digital era.

This Story telling through Data Visualization training course will teach the participants ways to effectively visualize the data, using different tools and techniques. Using Excel, PowerPoint and open-source visualization tool will be the basis of this training course, but the use of other software will also be discussed in depth through the training. The participants will learn how to incorporate statistics, design and aesthetics of both the data and the final visualization with reference to their specific field.

OBJECTIVES

The objective of this training workshop is to demonstrate data visualization methods and tools and how it can be used for better planning and advocacy and to create presentations: tables, graphs, maps. The sessions of this workshop are tailored for Government officials having role in decision-making based on evidences, termed as ‘Data Users’. Basics of data analysis, visualization and storytelling will be covered in this training workshop.

This workshop will prepare participants for the use of powerful mediums of visualization to identify trends, patterns and other hidden elements of the data they are working with. Further, the course aims at enhancing the knowledge of the participants in the proper process of creating the visual presentation of their data. The training will enhance participants’ capacities to know what to think, when to think and how to think about all the analytical and design decisions involved in any data-driven communication.

The specific objectives are to train participants on:

- ❖ Using Data to present facts for better decision making using evidences

- ❖ Visualization as a new lens for presenting facts, performance and progress of development indicators
- ❖ Facilitate research, find and curate important data
- ❖ Using new methods and approaches for visualizing data, and
- ❖ Combining design-thinking with statistical consistency

The workshop will benefit the participants having experience in planning and decision making on national data including the socio-economic indicators data for showing impact on human development in general.

WORKSHOP STRUCTURE

The duration of the workshop is four days – 2.5 hours per day. This workshop is designed to train the Government officials and other partners having role in decision making based on using easy to understand comprehensive visualizations. The workshop will help to:

- ❖ Using data to present facts; use the development sector indicators data for monitoring, tracking and reporting evidences.
- ❖ Understand that numbers have an important story to tell; think critically about the uses of data in planning, monitoring and evaluation.
- ❖ Learn designing and creating various basic and advance charts including thematic maps.
- ❖ Understand Sustainable Development Goals; reporting SDG progress by geography and time period.

WORKSHOP FORMAT

The training workshop will use a state-of-the-art modular approach to conduct training sessions. The workshop will be divided into strategic sessions that will cover one objective each day. Thematic examples will be used to present and learn the objectives each day. Each thematic topic will be presented through demonstration, step-by-step and hands-on exercises. Presentations, quiz, hands-on workbook exercises and Q&A sessions will help consolidate the learning.

DETAILED AGENDA

DAY 1 - MONDAY, 19 OCT 2020

To understand the fundamentals, benefits and importance of data storytelling and data visualization.

10h30 – 11h00


Opening Session

 30 min.

- Opening remarks by Mr. Gerald Daly, UN Resident Coordinator, Remarks by Mr. Chhime Tshering, Director of National Statistics Bureau.
 - Objectives of the training and, expected outcomes
 - Participants introduction

11h00 – 11h30

Introduction to Data Storytelling

 30 min.

- Benefits of storytelling through data visualization
 - Understanding the data
 - Importance of context
 - Choosing the right data

11h30 – 12h15


Introduction to Data Visualization

 45 min.

- Principles of data visualization
- Good, Average and Poor examples of visualization
 - Data visualization elements

12h15 – 13h00

Introduction to Data Visualization

 45 min.


- Hands on session

DAY 2 - TUESDAY, 20 OCT 2020

To know about the data visualization tools, create charts and graphs and develop thematic data profiles using MS Excel.

10h30 – 11h00


Review Session

 30 min.

- Revision of Day 1

11h00 – 11h30


Data Visualization Tools

 30 min.

- Best practices to design visualization
- Various chart types – Basic and Advance
- Create charts and present thematic story using Excel and PowerPoint

11h30 – 11h45


Data Visualization Tools

 15 min.

- Hands on session

11h45 – 12h30


Introduction to Thematic Data Profiles

 45 min.

- What are Thematic Data Profiles and their use?
- Best practices to develop Thematic Data profiles
- Design and Develop Thematic Data profiles

12h30 – 13h00

Thematic Data Profiles

 30 min.

- Hands on session

DAY 3 - WEDNESDAY, 21 OCT 2020

To learn and use open-source data visualization tool, create thematic gallery of presentation objects, data dashboard and thematic maps.

10h30 – 11h00

Review session

 30 min.

Revision of Day 2

11h00 – 11h45

Using Open-Source Data Visualization Tools

 45 min.

- Introduction to open-source Data Visualization tools
- Data Visualizer tool and its features - Quick Data, My Gallery and My Dashboard
 - Create Thematic Galleries and Dashboard using Data Visualizer tool

11h45 – 12h15

Creating Thematic Maps

 30 min.

- Overview of Thematic Maps
- Learn various Map Theme types
- Create and present Thematic Maps

12h15 – 13h00

Using Open-source Data Visualization Tool

 45 min.

- Hands on session

DAY 4 - THURSDAY, 22 OCT 2020

To understand Sustainable Development Goals, framework and indicators, create SDG progress report and thematic presentations.

10h30 – 11h00

Review session

 30 min.

- Revision of Day 3

11h00 – 11h30

Presenting SDGs using data visualization

 30 min.

- Understanding global and national data sources
- Interpreting SDGs – Goals, Targets and Indicators
 - Creating a SDG based story line

11h30 – 12h00


Developing SDG Progress Report

 30 min.

- Using global and national data to develop SDG Progress Report
 - Prepare data and create SDG Progress Report

12h00 – 12h45


Create and Present Thematic Presentation

 45 min.

- Each participant will be assigned to develop a SDG Progress Report

12h45 – 13h00

Closing Remarks

 15 min.