

Persuasive Data Storytelling: Accelerated Power BI Interactive Dashboard Skill Building

Preconference Workshop APHL 2022
May 17, 2022 • 8:00–11:30 am ET
Huntington Convention Center
Cleveland, OH

Course Number: **588-843-22**

Please note: This workshop will be available to the in-person audience only. Virtual attendance is not supported.

DESCRIPTION

Data visualization is an effective presentation of complex data in a graphical format; it enables decision-makers to understand data-driven insights. Visualizations provide for easy analysis of trends, errors, and finding patterns. This course will provide hands-on training on data visualization basics. Participants will learn data cleaning techniques, create visualizations and an interactive dashboard, interpret findings for storytelling, list common software and tools to create visualizations and select the appropriate visualization based on data type.

OBJECTIVES

At the end of the workshop, the participant will be able to:

- List and describe common data cleaning techniques using Power Query
- Describe appropriate visualization types based on data characteristics
- Develop an interactive dashboard using Power BI from a sample data set
- List the steps to persuasive data storytelling

AUDIENCE

This workshop is intended for anyone who wants to visualize data, such as management/operations, quality improvement or scientific data. Target audience includes laboratory directors, associate directors, program managers or supervisors and technical staff.

MODERATOR

Lorelei Kurimski, MS • Director, Quality System and Analytics, APHL

SPEAKERS

Anewar Burka, MA • Manager of Data Science, Quality Systems and Analytics, APHL

Sudaba Parnian, MA, MBA • Manager of Monitoring and Evaluation, Quality Systems and Analytics, APHL

Laila Natiq, MSPH • Senior Specialist of Monitoring and Evaluation, Quality Systems and Analytics, APHL

Registration fee: \$149 per person
Register at www.aphl.org/AC

Registration closes April 29, 2022

AGENDA, COMPETENCIES AND CONTINUING EDUCATION ►

PROPOSED AGENDA

8:00–8:10 am	Welcome and Introductions
8:10–8:30 am	The benefits/advantages of using data visualizations for storytelling and using interactive dashboards
8:30–9:00 am	Hands-on Exercise (Quantitative): Common steps and techniques to properly clean data to prepare for a visualization (Power Query)
9:00–10:30 am	Power BI Basics: Common features/tools and hands-on exercise: • How to create an interactive dashboard for quantitative data (Power BI) • Formatting and presentation (Power BI) • Analysis and Interpretation Includes 5 min break
10:30–10:45 am	Examples of Data Story Telling
10:45–11:00 am	Q&A and Closing Remarks
11:30 am	Adjourn

COMPETENCIES ACHIEVED

Completion of this workshop will result in learning gained by the participant in the Management and Leadership (MLD) and Communication (COM) domains:

- MLD 1.09. Project management, Beginner - Uses basic project management concepts and tools
- MLD 1.10. Program effectiveness, Beginner - Contributes data for program effectiveness monitoring and evaluation
- COM 5.03. Information sharing opportunities, Beginner - Shares information as directed
- COM 8.02. Communication to educate and inform, Beginner - Supports the development and distribution of communication materials about the public health laboratory
- COM 8.03. Storytelling, Beginner - Shares approved public health laboratory stories
- COM 9.03. Key messages, Beginner - Describes the value of using key messages

[MMWR Competency Guidelines for Public Health Laboratory Professionals](#)

CONTINUING EDUCATION CREDIT

The Association of Public Health Laboratories (APHL) is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. Participants who successfully complete this workshop will be awarded 3.0 contact hours. P.A.C.E.®.

APHL is an approved provider of Certified in Public Health (CPH) Recertification Credits through the National Board of Public Health Examiners (NBPHE). Attendees have the opportunity to earn up to 3 hours of credit by attending this workshop.



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