COURSE NUMBER

FHWA-NHI-380122A

COURSE TITLE

Safety Data and Analysis Fundamentals Training for Data Analysts

This web based training (WBT) is tailored to the participant's individual goal and/or role within an organization. Individual learning tracks are provided for Data Analysts, Data Collectors, Project/Program Mangers and Safety Advocates. Participants enroll in one of these four tracks that most closely matches their personal goals and responsibilities. Refer to the "Target Audience" section for more information

NHI's Safety Data and Analysis Fundamentals course helps transportation professionals understand safety data and collection methods, including how to interpret safety data and use it to support key decision-making efforts. It's important for data collection practices to keep up with the latest safety data analysis tools and methodologies, to accurately forecast trends. Accurate forecasts help identify optimal times for project deployment and help improve program results.

This web based training (WBT) provides the knowledge necessary to identify weaknesses in current practices and strengthen the way safety data is used in transportation programs, projects, and communities. Course participants learn about key safety data types and terms, as well as sources and collection methods. Participants study the data analysis process and several methods of data analysis, and also explore and interpret various examples throughout the training. They leave the training with the skills and knowledge necessary to evaluate data and to enhance data collection and storage methods, with awareness of the potential, as well as the limitations of these methods.

OUTCOMES

Upon completion of the course, participants will be able to:

- Use data to support decision-making, with respect to identifying safety issues, selecting countermeasures to mitigate safety issues, and evaluating the success of those countermeasures.

- Identify basic terms and concepts related to safety data and analysis, enabling participants to communicate effectively on safety-related data projects.

- Identify types, sources, strengths, and weaknesses of transportation safety data.

- Explain various methods used to analyze safety data, including their application and limitations.

TARGET AUDIENCE

DATA ANALYSTS - 7 hours (0.7 CEUs) - For professionals in charge of integrating and analyzing datasets, including highway safety engineers, specialists, traffic engineers, highway designers, and technical analysts. Emphasizes the applicability, uses, strengths, limitations, and requirements of safety data and collection methods.Recommended for anyone whose responsibility is to analyze safety data to identify causes and potential patterns that contribute to crashes and other systemic safety issues.

TRAINING LEVEL: Basic

FEE: 2019: $0 Per Person; 2020: N/A

LENGTH: 7 HOURS (CEU: .7 UNITS)

CLASS SIZE: MINIMUM: 0; MAXIMUM: 0

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