

A grayscale photograph of a man in a dark coat standing on a train platform, looking at a smartphone. A folded bicycle is leaning against the platform edge next to him. The background shows a train track and other people in the distance. A large blue geometric shape is in the top-left corner.

# De-Identification Engine

Speaker Name – *Speaker Title*

Year Month Day

# De-Identification Engine



Public & private entities have access to a lot of data that can drive insights and efficiencies



But they also have a responsibility to protect privacy



## That's why Cubic developed the De-Identification Engine...

- Transforms sensitive and PII data into an analytics-ready dataset
- Makes data safe for internal and external audiences, including open APIs
- Applies de-personalization techniques based on the needs of use cases and data sets
- Includes removal, hashing, generalization, and aggregation
- Simplifies data automation process with embedded privacy controls

# De-Identification Engine Evolution

**T** The De-identification engine was originally developed to address privacy concerns for internal and external data usage at the **Massachusetts Bay Transportation Authority (MBTA)**...



But de-identification treatment is applicable to all **transportation agencies and authorities** for data analytics, while protecting the privacy of users...



With growing data assets, privacy concerns aren't going away, and de-identification can support a multitude of use cases for **cities and private companies** from open government to economic development...



And these de-personalization techniques can be applied **across industries** to make sensitive data safe for internal and external consumption

# De-Identification Engine Conceptual Diagram

